



Teesside Flexible Regas Port Limited

# TEESSIDE FLEXIBLE REGAS PORT

Environmental Impact Assessment Scoping  
Report

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## CONTENTS

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### **CHAPTER 1 INTRODUCTION**

**APPENDIX 1A GLOSSARY AND ABBREVIATIONS**

### **CHAPTER 4 APPROACH TO EIA**

**APPENDIX 4A TRANSBOUNDARY SCREENING MATRIX**

### **CHAPTER 6 NOISE AND VIBRATION**

**APPENDIX 6A UNDERWATER NOISE ASSESSMENT GUIDANCE AND INFORMATION SOURCES**

### **CHAPTER 7 BIODIVERSITY**

**APPENDIX 7A MARINE WALKOVER IMAGES**

### **CHAPTER 18 GEOLOGY AND SOILS**

**APPENDIX 18A PHASE 1 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT**



**CHAPTER 1 INTRODUCTION**  
**APPENDIX 1A**  
**GLOSSARY AND ABBREVIATIONS**

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# APPENDIX 1A

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**1A.1. GLOSSARY** **1A-1**

**1A.2. ABBREVIATIONS** **1A-47**

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## 1A.1. GLOSSARY

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Term	Definition
(Major) Accident	In the context of the Proposed Scheme, an event that threatens (immediate or delayed) serious damage to human health, welfare and/or the environment and requires the use of resources beyond those of the Applicant or their contractor(s) to respond. Serious damage includes the loss of life or permanent injury, and/or permanent or long-lasting damage to a receptor that cannot be restored through minor clean-up and restoration efforts. The significance of this effect will take into account the extent, severity and duration of harm and the sensitivity of the receptor.
Abnormal Indivisible Load	Loads which can't be divided into two or more loads to be transported by road.
Above Ground Heritage Asset	An above ground building, monument, site, place, area, or landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. Heritage assets include designated heritage assets and non-designated heritage assets.
Above Ordnance Datum	Refers to a height above the Ordnance Datum (the height of mean sea-level).
Adaptation Reporting Power	The Climate Change Act 2008 gives the Secretary of State the power to direct reporting authorities (bodies with „functions of a public nature“ and „statutory undertakers“) to produce reports on what they are doing to adapt to climate change. The power is referred to as the 'Adaptation Reporting Power'.
Additional Mitigation	Actions that will require further activity to achieve the anticipated outcome. These may be imposed as part of the Development Consent Order, or through inclusion in the Environmental Statement.
Aids to Navigation	Any sort of signal, markers or guidance equipment which aids the traveller in navigation, usually nautical or aviation travel. Common types of such aids include lighthouses, buoys, fog signals, and day beacons.
Air Pollution Information System (APIS)	A searchable database and information on pollutants and their impacts on habitats and species.
Air Quality Action Plan	Sets out measures being to improve air quality and who is responsible for delivering them.

Term	Definition
Air Quality Assessment Level	The relevant Air Quality Objective or standard for which a comparison is made to the pollutant being assessed.
Air Quality Management Area	Air Quality Management Area. If a Local Authority identifies any locations within its boundaries where the Air Quality Objectives are not likely to be achieved, it must declare the area as an AQMA. The area may encompass just one or two streets, or it could be much bigger. The Local Authority is subsequently required to put together a plan to improve air quality in that area — a Local Air Quality Action Plan.
Air Quality Objective	The Air Quality Objectives are policy targets generally expressed as a maximum ambient concentration to be achieved, either without exception or with a permitted number of exceedances, within a specified timescale. The Objectives are set out in the UK Government's Air Quality Strategy for the key air pollutants.
American Petroleum Institute	The only national trade association that represents all aspects of America's oil and natural gas industry. Although their focus is primarily domestic, in recent years our work has expanded to include a growing international dimension, and today API is recognized around the world for its broad range of programmes,
American Society of Mechanical Engineers	An American professional association that is an engineering society, a standards organization, a research and development organization, an advocacy organization, a provider of training and education, and a nonprofit organization.
Amphibian and Reptile Groups of the United Kingdom (ARG UK)	ARG UK is a registered charity committed to the conservation of native amphibians and reptiles and their natural environment by supporting the development of a network of independent volunteer amphibian and reptile groups (ARGs).
Ancient Tree Inventory	The Woodland Trust's mapping of the UK's oldest and most precious trees.
Ancient Woodland	An area that has been wooded continuously since at least 1600 AD. Ancient Woodland is divided into ancient semi-natural woodland and plantations on Ancient Woodland sites. Both types are classed as ancient woodland.
Annual average daily traffic	The average over a full year of the number of vehicles passing a point in the road network each day.

Term	Definition
Appropriate Assessment	An Appropriate Assessment (AA) is an assessment of the potential adverse effects of a plan or project on Special Areas of Conservation and Special Protection Areas. National and European Law protect these sites.
Aquifer	Underground layer of water-bearing permeable rock, rock fractures or unconsolidated materials (gravel, sand, or silt)
Archaeological Exclusion Zones	Buffers around known archaeological receptors that should be avoided during construction works.
Archaeological Notification Area	This is an area identified by the local authority as having a high potential for archaeological remains to be present.
Areas of Outstanding Natural Beauty	Land protected for conservation and preservation under section 82 of the Countryside and Rights of Way Act 2000 for its natural beauty.
Artificial Ground	Artificial ground relates to the areas where ground surface has been significantly modified by human activity
As Low as Reasonably Practicable (ALARP)	For a risk to be ALARP, the cost, time or effort involved in reducing the risk further would be grossly disproportionate to the benefit gained.
Asbestos Containing Materials	Asbestos is a mineral that was frequently used as a building material in the UK between 1940 and 1999, although it was most common in materials made in the 60s, 70s and 80s. For this reason, any structure or product manufactured before the year 2000 (when the material was banned in the UK) has the potential to contain asbestos. Materials that commonly contain asbestos include: Loose asbestos in ceiling or floor cavity, Lagging, Sprayed coatings on ceilings, walls and beams/columns, Asbestos insulating board, Floor tiles, textiles and composites, Textured coatings, Asbestos cement products, Roofing felt, Rope seals and gaskets.
Aspect	Used to refer to the individual environmental topics.
Atmospheric Dispersion Modelling System	An advanced dispersion model for calculating concentrations of pollutants emitted both continuously from point, line, volume and area sources, or discretely from point sources.
Automatic Identification System	An automatic tracking system that uses transceivers on ships and is used by vessel traffic services (VTS), to transmits a ship's position so that other ships are aware of its position.

Term	Definition
Automatic Traffic Counts (ATC)	ATCs are temporarily installed to collect traffic speed data, vehicle classification and volume of traffic. The data is mainly used to support transport planning and design.
Baseline	A reference level of existing environmental conditions against which a development is measured and controlled.
Baseline conditions	The environment as it appears (or would appear) immediately prior to the implementation of the Proposed Development together with any known or foreseeable future changes that will take place before completion of the Proposed Development.
Below ground level	Below ground level refers to being lower than the surface of the original ground.
Benthic ecology	Benthic ecology encompasses the study of the organisms living in and on the sea floor, the interactions between them and impacts on the surrounding environment.
Benzene Toluene Ethylbenzene Xylene (BTEX)	They are volatile organic compounds that are found in petroleum and petroleum products, such as gasoline, coal, and wood tars. BTEX compounds are clear, colourless, highly flammable liquids at room temperature.
Best Available Technology	The Best Available Technology is the technology approved by legislators or regulators for meeting output standards for a particular process, such as pollution abatement.
Best Practicable Means	Best Practicable Means will be applied during construction works to reduce noise (including vibration) at neighbouring residential properties and other sensitive receptors.
Biochemical Oxygen Demand	Represents the amount of oxygen consumed by bacteria and other microorganisms while they decompose organic matter under aerobic (oxygen is present) conditions at a specified temperature.
Biodiversity	The biological diversity of the earth's living resources. The total range of variability among systems and organisms at the following levels of organisation: bioregional, landscape, ecosystem, habitats, communities, species, populations, individuals, genes, and the structural and functional relationships within and between these different levels.



Term	Definition
Biodiversity Action Plan	Biodiversity Action Plan framework is for achieving the conservation of biodiversity based on the targeting of resources towards protecting priority habitats and species.
Biodiversity Mitigation Strategy	A strategy to limiting as far as possible the negative impacts on biodiversity from development projects by emphasises best-practice of avoiding and minimising any negative impacts, and then restoring sites no longer used by a project, before finally considering offsetting residual impacts.
Biodiversity Net Gain Assessment	A BNG Assessment compares baseline conditions to post development plans. BNG is achieved if the post-development plans provide a net improvement to the biodiversity of a site.
Biodiversity Offsetting	Conservation activities that are designed to provide biodiversity benefits to compensate for losses in biodiversity following a development.
Birds of Conservation Concern	Birds of Conservation Concern is compiled by a coalition of the UK's leading bird conservation and monitoring organisations and reviews the status of all regularly occurring birds in the UK, Channel Islands and Isle of Man.
Boil Off Gas (BOG)	During the process of LNG unloading and storage some part of LNG evaporates into gas phase due to natural heat ingress during operation. This gas is known as 'Boil Off Gas'.
British Geological Survey	Provider of objective and authoritative geoscientific data, information and knowledge for the UK.
British Standards Institute	The British Standards Institution (BSI, a company incorporated by Royal Charter), performs the National Standards Body (NSB) activity in the UK. BSI, together with its Group Companies, also offers a broad portfolio of business solutions other than NSB activity that help businesses worldwide to improve results through Standards-based best practice (such as certification, self-assessment tool, software, product testing, information products and training).
British Trust for Ornithology	The BTO is an independent charitable research institute combining professional and citizen science aimed at using evidence of change in wildlife populations, particularly birds to inform the public, opinion formers and environmental policy and decision makers.
Cambridge Environmental Research Consultants	CERC (Cambridge, UK) provides environmental software and services for air pollution problems for cities, industries and airports.

Term	Definition
Central Area Transmission System	The Central Area Transmission System (CATS) is a subsea gas transportation and onshore gas treatment and processing system located in the UK.
Chartered Institute of Ecology and Environmental Management	The CIEEM is the professional body which represents and supports ecologists and environmental managers mainly in the United Kingdom but increasingly in Ireland and mainland Europe and the rest of the world.
Chemical Oxygen Demand	The amount of dissolved oxygen that must be present in water to oxidise chemical organic materials, like petroleum. COD is used to gauge the short-term impact wastewater effluents will have on the oxygen levels of receiving waters.
Chemical, Biological, Radiological and Nuclear (CBRN)	CBRN' is the abbreviation commonly used to describe the malicious use of Chemical, Biological, Radiological and Nuclear materials or weapons with the intention to cause significant harm or disruption.
Chronic Obstructive Pulmonary Disease	A group of lung conditions that cause breathing difficulties due to obstructed airflow to the lungs.
Cleveland Local Resilience Forum	Local resilience forums (LRFs) are multi-agency partnerships made up of representatives from local public services, including the emergency services, local authorities, the NHS, the Environment Agency and others. These agencies are known as Category 1 Responders, as defined by the Civil Contingencies Act.
Climate Change	Large-scale, long-term shift in the Earth's weather patterns or average temperature.
Closed Circuit Television (CCTV)	A TV system in which signals are not publicly distributed but are monitored, primarily for surveillance and security purposes.
Code of Construction Practice	The code sets out the standards and procedures to which developers and contractors must adhere to when undertaking construction of major projects. This will assist with managing the environmental impacts and will identify the main responsibilities and requirements of developers and contractors in constructing their projects.
Common Bird Census	A scheme for monitoring population trends among widespread breeding birds.

Term	Definition
Compensation	Loss of value is remedied or offset by a corresponding compensatory action on the same site or elsewhere, determined through the process of Environmental Impact Assessment.
Competent Harbour Authority	A body charged with providing navigation aids and pilotage into and within a maritime harbour.
Conceptual Site Model	A description of a site and its environment, both natural and man-made, that is based on existing knowledge.
Conservation Limits	Conservation Limits provide a standard (a lower limit) so we can judge whether fish stocks are doing well or doing badly.
Construction Environmental Management Plan	A CEMP ensures that environmental impacts identified during previously performed environmental studies or during the scoping phase will be properly managed and that controls will be put in place to reduce the impacts of the development on the natural and human environment during construction.
Construction Industry Research and Information Association	the CIRIA is a neutral, independent, and not-for-profit body. The vision is to be a leading enabler and preferred partner for performance improvement, driving collaboration across build environment and construction sectors for the identification, development and transfer of knowledge.
Construction Phase	The stage during which construction works for the Proposed Scheme will take place.
Construction Traffic Management Plan	A CTMP addresses the impact of construction traffic on the existing road network during construction.
Consultation Zone	The Health and Safety Executive (HSE) sets a consultation distance around major hazard sites and major accident hazard pipelines after assessing the risks and likely effects of major accidents at the major hazard site/pipeline. The area enclosed within the consultation distance is referred to as the consultation zone (CZ). The local planning authority is notified of this consultation distance and has a statutory duty to consult the HSE on certain proposed developments within that consultation zone.
Contaminants of Concern	Inorganic contaminants like arsenic, iron, chromium and manganese which commonly occur in nature and often end up in our surface and ground waters. Some occur as a result of manmade pollution such as perchlorate, and others like nitrates occur because of interactions between nature and pollution. Inorganic contaminants impact taste, colour, and odour of our drinking water. They are also important for health, having both beneficial and adverse effects.

Term	Definition
Contaminated Land	Where substances are causing or have a significant possibility to cause significant harm to people, property or protected species; or, where significant pollution is being caused or has a significant possibility of being caused to controlled waters.
Contaminated Land: Applications in Real Environments (CL:AIRE)	CL:AIRE is a UK charity committed to providing a valuable service for all those involved in sustainable land reuse. We develop training resources, disseminate information and act as a credible resource for all stakeholders, ensuring we remain at the cutting-edge of best practice and innovation.
Continual Flight Auger	A type of piling whereby piles are drilled and concreted in one continuous operation enabling much faster installation time than for bored piles. Due to its low level of vibration, the CFA process is particularly suited to environmentally sensitive sites and soft and/or water-bearing strata where deep casings would otherwise be necessary.
Control of Asbestos Regulations (CAR)	The Control of Asbestos Regulations 2012 provide the most up-to-date regulations on working with asbestos.
Control Of Major Accident Hazards Regulations 2015	These Regulations impose requirements with respect to the control of major accident hazards involving dangerous substances.
Controlled Waters	As defined under section 104 of the Water Resources Act 1991.
Convention on the International Regulations for Preventing Collisions at Sea 1972 (COLREG)	The International Regulations for Preventing Collisions at Sea 1972 are published by the International Maritime Organization and set out, among other things, the "rules of the road" or navigation rules to be followed by ships and other vessels at sea to prevent collisions between two or more vessels. The Colregs give clear indication about passing, approaching, giving way and overtaking.
Coronal mass ejections	Large expulsions of plasma and magnetic field from the Sun's corona.
Countryside and Rights of Way Act 2000	The Countryside and Rights of Way Act 2000 (CROW Act) normally gives a public right of access to land mapped as 'open country' (mountain, moor, heath and down) or registered common land. These areas are known as 'open access land'.
Critically endangered	A species listed on the IUCN Red List of Threatened Species facing an extremely high risk of extinction in the wild.

Term	Definition
Cumulative Effects	The effects of the Proposed Scheme in cumulation with other existing development and/or approved development.
Cumulative Effects Assessment	Assessment of impacts as a result of the incremental changes caused by other past, present and reasonably foreseeable human activities and natural processes together with the Proposed Development.
Cumulative Landscape and Visual Impact Assessment	The Cumulative Landscape and Visual Impact Assessment is to describe and assess the ways in which the proposed development would have additional effects when considered together with other existing, consented or proposed developments.
Cumulative landscape effects	Effects that ‘can impact on either the physical fabric or character of the landscape, or any special values attached to it’ (SNH, 2012).
dB(A) A-weighted decibel	A-weighted decibel. This is a measure of the overall level of sound across the audible spectrum with a frequency weighting (i.e. ‘A’ weighting) to compensate for the varying sensitivity of the human ear to sound at different frequencies.
DCO Application	The application for development consent that will be submitted by the Applicant.
Decibel (dB)	The scale on which sound pressure level is expressed. It is defined as 20 times the logarithm of the ratio between the root-mean-square pressure of the sound field and a reference pressure (2x10 <sup>-5</sup> Pa).
Decommissioning Phase	Is the process of shutting down a building and/or removing it from operation or use.
Decommissioning Traffic Management Plan	A plan to establish vehicle routing and ensure that vehicles can access and egress the site safely during the decommissioning phase. This is typically in the form of routing plans, swept path analysis, restrictions to timing of vehicle movements, temporary works, and temporary parking restrictions.
Deemed Marine Licence	Deemed Marine Licence means the licence set out in Schedule 9 (deemed licence under the Marine and Coastal Access Act 2009 – generation assets) and the licence set out in schedule 10 (deemed licence under the Marine and Coastal Access Act 2009 – transmission assets).
Definition of Waste: Development Industry Code of Practice	CL:AIRE's Code of Practice provides a clear, consistent and efficient process which enables the reuse of excavated materials on-site or their movement between sites.

Term	Definition
Department for Energy Security and Net Zero (DESNZ)	A ministerial department of His Majesty's Government with responsibilities to delivering security of energy supply, ensuring properly functioning energy markets, encouraging greater energy efficiency and seizing the opportunities of net zero to lead the world in new green industries.
Department for Transport	A ministerial department of His Majesty's Government responsible for the English transport network.
Design Manual for Roads and Bridges (DMRB)	The Design Manual for Roads and Bridges (DMRB) contains information about current design standards relating to the design, assessment and operation of motorway and all-purpose trunk roads in the United Kingdom.
Designated Heritage Assets	Designation highlights a building, site or area's special interest and value to this and future generations. It gives protection under law or policy to manage, enjoy and celebrate England's historic buildings, parks, monuments, gardens, wreck sites and battlefields.
Development Consent Order	A Statutory Instrument (SI) made by the Secretary of State (SoS) pursuant to the Planning Act 2008 (as amended) (PA2008) to authorise a Nationally Significant Infrastructure Project (NSIP)
Development Consent Order (DCO)	A Statutory Instrument (SI) made by the Secretary of State (SoS) pursuant to the Planning Act 2008 (as amended) (PA2008) to authorise a Nationally Significant Infrastructure Project (NSIP)
Development Consent Order Application	An application for consent under the Planning Act 2008 to undertake a Nationally Significant Infrastructure Project made to the Planning Inspectorate who will consider the application and make a recommendation to the Secretary of State, who will decide on whether development consent should be granted for the Proposed Development.
Development Plan Document (DPD)	Development Plan Documents (DPDs) are planning policy documents which make up the Local Plan. They help to guide development within a local planning authority area by setting out the detailed planning policies, which planning officers use to make their decisions on planning applications.
Disaster	In the context of the Proposed Scheme, a naturally occurring phenomenon such as an extreme weather event (e.g., storm, flood, temperature) or ground-related hazard events (e.g., subsidence, landslide, earthquake) with the potential to cause an event or situation that meets the definition of a Major Accident.
Distribution Network Operator (DNO)	DNOs are the organisations that own and control the electricity distribution network, connecting generators, suppliers, energy users and consumers.

Term	Definition
District Level Licence	A Great Crested Newt licensing scheme operated by Natural England, NatureSpace Partnership or a local planning authority whereby developers comply with their legal duty to protect great crested newts by paying for off-site compensation ponds instead of carrying out detailed surveys and applying for a mitigation licence.
Double Block and Bleed (DBB)	DBB valves are primarily used in the oil and gas, petrochemical, storage, and transmission industries, and isolate the flow of media in a pipe using three valves. They are used where double isolation is required for ensured leak tightness and safety.
Ecological Clerk of Works (ECoW)	An ECoW is a site-based ecologist who oversees works and provides advice on an appropriate approach for the management of ecological features in the context of environmental legislation and planning policy.
Ecological Impact Assessment	An Ecological Impact Assessment is the process through which the potential impacts resulting from a project are identified, quantified, and assessed through appropriate ecology surveys.
Effect	The consequence of an impact on the environment.
EIA Directive	Directive 85/337/EEC (as amended). The initial Directive of 1985 and its three amendments have been codified by Directive 2011/92/EU of 13 December 2011. Directive 2011/92/EU has been amended in 2014 by Directive 2014/52/EU.
EIA Regulations	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017.
EIA Regulations 2017	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017. The EIA Regulations require that the effects of a project, where these are likely to have a significant effect on the environment, are taken into account in the decision-making process for the project.
EIA Scoping Opinion	The Secretary of State's written opinion as to the scope, and level of detail, of the information to be provided in the Environmental Statement.
EIA Scoping Report	A report (this report) prepared by an Applicant to provide the information required under the EIA Regulations to request a Scoping Opinion from the Secretary of State
Embedded environmental measures	Equate to 'primary environmental measures' as defined by Institute of Environmental Management and Assessment (2016). They are measures

Term	Definition
	to avoid or reduce environmental effects that are directly incorporated into the design of the Proposed Development.
Embedded Mitigation	Actions that would occur with or without input from the EIA feeding into the design process. These include actions that will be undertaken to meet other existing legislative requirements, or actions that are considered to be standard practices used to manage commonly occurring environmental effects (direct and indirect).
Emergency Release System	The Emergency Release System is a vital component of any LNG Transfer system that controls the system towards minimising spills and shutdown the transfer system. LNG Emergency Release Systems helps in providing a safe and efficient LNG transfer method during normal transfer operations.
Emission	A material that is expelled or released to the environment. Usually applied to gaseous or odorous discharges to the atmosphere.
Endangered	A species listed on the IUCN Red List considered to be facing a very high risk of extinction in the wild.
England Coastal Path	The England Coast Path is a 3000-mile coastal path that runs around the entire English coast.
Environmental Agency	A non-departmental public body, with responsibilities relating to the protection and enhancement of the environment in England.
Environmental Impact Assessment	The process of evaluating the likely significant environmental effects of a proposed project or development over and above the existing circumstances (or 'baseline'), undertaken in accordance with the EIA Regulations.
Environmental Information Centre	The Environmental Information Data Centre is part of the Natural Environment Research Council's (NERC) Environmental Data Service and is hosted by the UK Centre for Ecology & Hydrology (UKCEH). The Environmental Information Data Centre manages nationally important datasets concerned with the terrestrial and freshwater sciences.
Environmental Management System	An Environmental Management System (EMS) is the system by which a company controls the activities, products and processes that cause, or could cause environmental impacts and in doing so minimises the environmental impacts of its operations.



Term	Definition
Environmental Product Declarations	An Environmental Product Declaration, or EPD, is a document which transparently communicates the environmental performance or impact of any product or material over its lifetime.
Environmental Protection UK	Environmental Protection UK is a UK environmental non-governmental organisation (NGO) working to improve the quality of the local environment - specialising in the subjects of air quality, noise management and land quality.
Environmental Statement	The written output presenting the full findings of the Environmental Impact Assessment, prepared in accordance with the EIA Regulations. The statement includes the information that is reasonably required to assess the likely effects of a development and which the applicant can, having regard in particular to current knowledge and methods of assessment, reasonably be required to compile but that includes at least the information required in the EIA Regulations and which is prepared in accordance with the latest Scoping Opinion adopted by the Secretary of State (where relevant).
Escape, Evacuation and Rescue Assessment	Escape, Evacuation, and Rescue Analysis (EERA) is a technique to assess the performance of the escape, evacuation, and rescue (EER) measures and arrangements. The objective of an EERA is to ensure that there are adequate measures at the facility to enable people to escape, muster, evacuate, and be rescued in the event of a major accident.
European Economic Area	The European Economic Area (EEA) unites the EU Member States and the three EEA EFTA States (Iceland, Liechtenstein, and Norway) into an Internal Market governed by the same basic rules. These rules aim to enable goods, services, capital, and persons to move freely about the EEA in an open and competitive environment, a concept referred to as the four freedoms.
European Protected Species	European Protected Species are species of plants and animals (other than birds) protected by law throughout the European Union.
European Protected Species Licence	In circumstances where contravening wildlife law in relation to European Protected Species would be a likely outcome of a proposed development, a mitigation licence can be obtained to allow activities to be undertaken that would otherwise be prohibited, without committing an offence. Licences are issued by the relevant Statutory Nature Conservation Organisation.
European site	European sites are those that are designated through the Habitats Directive and Birds Directive (via national legislation as appropriate). Within England additional sites designated through international convention are given the same protection through policy – overall all of

Term	Definition
	these are referred to as European sites. European sites in England are SPAs, SACs, candidate SACs and Sites of Community Importance (SCI). Potential SPAs (pSPA), possible SACs (pSACs), Ramsar sites (designated under international convention) and proposed Ramsar sites.
Export Pipeline	A proposed high-pressure export pipeline that terminates at the existing Teesside Gas Processing Plant (TGPP) following either a route to the north in an existing pipeline corridor or a route to the south along an internal road within Seal Sands. It is a component of the Proposed Scheme
External Influencing Factor	A factor that occurs beyond the Site that may present a risk to the Proposed Scheme, e.g. if an external major event occurred (e.g. earthquake or a Control of Major Accident Hazards (COMAH) site major accident) it would increase the risk of serious damage to a receptor associated with the Proposed Scheme.
Floating Storage and Regasification Units	A Floating Storage and Regasification Unit (FSRU) is a multi-function vessel that combines LNG storage and built-in regasification systems on-board a ship or barge
Flood Map for Planning	Defines Flood Zones based on annual probability of flooding from fluvial and tidal sources to inform development planning and flood risk assessment. Nationally consistent delineation of 'high', 'medium' and 'low' flood risk updated by the Environment Agency as deemed appropriate, typically on a quarterly basis.
Flood Risk Activity Permit	A permit for activities in, under, over or near a main river (including where the river is in a culvert), on or near a flood defence on a main river, in the flood plain of a main river, or on or near a sea defence as a requirement of the Environmental Permitting (England and Wales) Regulations 2016 (As Amended).
Flood Risk Assessment	A flood risk assessment is a document that assesses the risk of flooding for a development proposal, considering various sources of flooding such as groundwater, river, surface water, estuary/coastal, or sewer sources.
Flood Risk Assessment (FRA)	As assessment of the risk of flooding.
Flood Zone 1	Comprises land assessed as having less than a 1 in 1,000 (0.1%) annual probability of flooding from rivers or the sea in any year.
Flood Zone 2	Comprises land assessed as having between a 1 in 100 (1%) and 1 in 1000 (0.1%) annual probability of flooding from rivers, or between a 1 in

Term	Definition
	200 (0.5%) and 1 in 1,000 (0.1%) annual probability of flooding from the sea in any year.
Flood Zone 3a	Comprises land assessed as having a 1 in 100 (1%) or greater annual probability of flooding from rivers or a 1 in 200 (0.5%) or greater annual probability of flooding from the sea in any year.
Flood Zone 3b	This zone comprises land which would naturally flood with an annual probability of 1 in 20 (5%) or greater in any year, and where water has to flow or be stored in times of flood
Flood Zones	Zones based on the annual probability of flooding from fluvial and tidal sources, as defined in the Flood Map for Planning. Areas are categorised into one of the following: Flood Zone 1, Flood Zone 2, Flood Zone 3a or Flood Zone 3b.
Flow Indicator Controller	
Fluvial	Of, or relating to, or inhabiting a river or stream.
Formal Safety Assessment	FSA is a structured and systematic methodology, aimed at enhancing maritime safety, including protection of life, health, the marine environment and property, by using risk analysis and cost benefit assessment. FSA can be used as a tool to help in the evaluation of new regulations for maritime safety and protection of the marine environment or in making a comparison between existing and possibly improved regulations, with a view to achieving a balance between the various technical and operational issues, including the human element, and between maritime safety or protection of the marine environment and costs.
Future Baseline	The likely evolution of the Baseline without implementation of the Proposed Scheme.
Gas Conditioning Facilities	Gas blending and nitrogen ballasting facilities to manage the quality of the gas before entry to the National Transmission System.
Geographical Information System	A system that captures, stores, analyses, manages and presents data linked to location. It links spatial information to a digital database.
Geographical Information System (GIS)	A system that captures, stores, analyses, manages, and presents data linked to location. It links spatial information to a digital database.

Term	Definition
Global Positioning System	A radio navigation system used in land, sea, and air to determine the exact location, time and velocity irrespective of weather conditions.
Greenhouse Gas	A gas that contributes to the greenhouse effect by absorbing infrared radiation. Carbon dioxide and chlorofluorocarbons are examples of greenhouse gases.
Greenhouse Gas (GHG)	Gas that absorbs and emit reflected solar radiation which result in the warming of the Earth's atmosphere. It is absorbed and emitted at specific wavelengths within the spectrum of infrared radiation emitted by the Earth's surface, the atmosphere, and clouds. The six main GHGs whose emissions are human caused are: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbon, and sulphur hexafluoride. In combination, these GHG emissions are commonly expressed in terms of 'carbon dioxide equivalents' (CO <sub>2</sub> e) according to their relative global warming potential.
Gross Calorific Value	The gross calorific value (GCV), or high heat value, measures the total (maximum) amount of heat that is produced by combustion.
Gross Heating Value	Gross heating value is the heat produced with the combustion products cooled to standard conditions and the water condensed to a liquid state.
Ground Investigation	The physical investigation which can include a Geotechnical Survey, Geophysical Surveys and Geo-Environmental Surveys. Comprised of targeted investigations including both intrusive and non-intrusive techniques to prove ground conditions, determine soil/rock parameters, chemical/asbestos concentrations and identify hazards associated with the ground conditions to inform a proposed development.
Groundwater	Groundwater is the store of water present beneath Earth's surface in rock and soil pore spaces and in the fractures of rock formations.
Groundwater Dependent Terrestrial Ecosystems	GWDTE are a category of wetlands, understood to be ecologically critically dependent upon groundwater. They derive their water supply primarily from a groundwater body, rather than deriving their water from rain and surface water saturated soils, and they can support biodiverse, botanically rich ground-flora communities.
Groundwater Flooding	Groundwater flooding is defined as the emergence of groundwater at the ground surface away from perennial river channels or the rising of groundwater into man-made ground, under conditions where the normal ranges of groundwater level and flow are exceeded.

Term	Definition
Groundwater management units	Groundwater management units are a breakdown of groundwater bodies used for local groundwater availability communication in abstraction licensing strategies.
Groundwater Vulnerability	Assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one-kilometre square grid.
Guidance for Pollution Prevention	Guidance for Pollution Prevention (GPPs) are the documents that replace the old series of guidance document (PPGs). The new series provide environmental good practice guidance for the whole UK, and environmental regulatory guidance directly to Northern Ireland, Scotland and Wales only.
Guide to Good Practice (GtGP)	The DfT's "The Guide to Good Practice on Port Marine Operations" intended to supplement the Port Marine Safety Code. It contains useful information and more detailed guidance on a number of issues relevant to the management of ports and other marine facilities. The Code and this guide are applicable both to statutory harbour authorities and to other marine facilities which may not necessarily have statutory powers and duties.
Habitat	The environment in which populations or individual species live or grow.
Habitat Condition Assessment	Habitats are entered into the Defra Biodiversity Net Gain Metric as poor, moderate, or good condition. The technical supplement for the metric includes different condition criteria for each type of habitat. The number of criteria the habitat meets, will determine its condition. This allows for more standardisation of assessing habitat condition. This is very important as the condition of habitats on site can have a big impact on the biodiversity value of the site, and what is achievable to attain a biodiversity net-gain post development.
Habitat Suitability Index	The Habitat Suitability Index (HSI) for the great crested newt was developed by Oldham et al. (2000). HSI scoring systems were originally developed by the US Fish and Wildlife Service as a means of evaluating habitat quality and quantity. An HSI is a numerical index, between 0 and 1. Values close to 0 indicate unsuitable habitat, 1 represents optimal habitat. The HSI for the great crested newt incorporates ten suitability indices, all of which are factors known to affect this species.
Habitats Directive	Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna.

Term	Definition
Habitats of Principal Importance	Habitats of principle importance (Section 41 of the 2006 Natural Environmental and Rural Communities (NERC) Act).
Habitats of Principal Importance (HPI)	Semi-natural habitat types identified as being the most threatened and requiring conservation action under the UK Biodiversity Action Plan (UKBAP).
Habitats Regulation Assessment	The assessment of the impacts of implementing a plan or policy on a European Site, the purpose being to consider the impacts of a project against conservation objectives of the site and to ascertain whether it would adversely affect the integrity of the site.
Habitats Regulations	EC Council Directive 92/43/EEC, known as the Habitats Directive, was transposed in the UK by the Habitats Regulations 1994 (as amended). The Habitats Regulations apply to UK land and territorial waters and act to ensure biodiversity of natural habitats and of wild flora and fauna through a range of measures including designation of SACs.
Habitats Regulations Assessment (HRA)	A Habitats Regulations Assessment (HRA) refers to the stages of assessment carried out by the Secretary of State in accordance with Habitats Regulations and the Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended) to determine if a project may affect the protected features of a National Network Site before deciding whether to undertake, permit or authorise it. A report is prepared by the Applicant to inform the assessment carried out by the Secretary of State.
Hazard	Anything with the potential to cause harm, including ill-health and injury, damage to property or the environment; or a combination of these.
Hazard and Operability (HAZOP)	Hazard and Operability Analysis (HAZOP) is a structured and systematic technique for system examination and risk management. In particular, HAZOP is often used as a technique for identifying potential hazards in a system and identifying operability problems likely to lead to nonconforming products.
Hazard Identification (HAZID)	HAZID studies are a proactive approach used to identify potential hazards and assess risks associated with a system or process. It involves a systematic and structured analysis to identify hazards early in the design or operational phase of a project.
Health and Safety Executive	The Health and Safety Executive is a UK Government agency responsible for the encouragement, regulation and enforcement of workplace health, safety, and welfare and for research into occupational risks in Great Britain.

Term	Definition
Heavy Duty Vehicle	Used to carry heavy loads, including buses, cranes, trucks, tractors.
Heavy Fuel Oil	Heavy fuel oil is a residual fuel incurred during the distillation of crude oil. It is used to generate motion and/or heat that have a particularly high viscosity and density. Heavy fuel oil is mainly used as a marine fuel.
Heavy Goods Vehicle	Used for transporting cargo.
Heavy Vehicle	Any vehicle with a total weight over 3,500 kg including the cargo.
Heritage	The historic environment and especially valued assets and qualities such as historic buildings and cultural traditions.
Heritage Asset	A building, monument, site, place, area, or Landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. Heritage Assets include designated heritage assets and non-designated heritage assets.
Higher Heating Value	The higher heating value (also known gross calorific value or gross energy) of a fuel is defined as the amount of heat released by a specified quantity (initially at 25°C) once it is combusted and the products have returned to a temperature of 25°C, which takes into account the latent heat of vaporization of water in the combustion products.
Highways Authority	Government owned company charged with operating, maintaining, and improving England's motorways and major A roads.
Historic England	The public body who champions and protects England's historic places.
Horizontal directional drilling (HDD)	Horizontal Directional Drilling (HDD) is a construction technique whereby a tunnel is drilled under a waterway or other designated area, and a pipeline or other utility is pulled through the drilled underground tunnel.
Hydrology	The movement, distribution, and quality of water throughout the earth.
Hydromorphology	The physical characteristics of the shape, boundaries, and content of a water body.
Impact	A physical or measurable change to the environment attributable to the Proposed Scheme.

Term	Definition
Important Ecological Features	Those ecological features (habitats, species, ecosystem and their functions/processes) are important and should be subject to detailed assessment. Such ecological features will be those that are considered to be important and potentially affected by the project.
Index of Multiple Deprivation	The most widely used data set for relative deprivation in local authorities across England.
Indices of Multiple Deprivation	The Index of Multiple Deprivation (IMD) datasets are small area measures of relative deprivation across each of the constituent nations of the United Kingdom. Areas are ranked from the most deprived area (rank 1) to the least deprived area.
Industry Nature Conservation Association (INCA)	INCA is a membership organisation which operates in Tees Valley on a not-for-profit basis. It has over 50 members including most of the major chemical, waste, and power generation businesses in Tees Valley, regulators, conservation organisations, and local authorities. It has a small specialist team with extensive knowledge of the natural environment of the Tees Valley. INCA provides confidential advice and support to help businesses meet regulatory requirements in development and operation. It encourages and facilitates the ecological improvement of industrial and commercial land holdings. It works with developers at an early stage to ensure that developments do not have a significant adverse effect on the local environment.
Institute of Air Quality Management	The IAQM was launched in 2002 to provide a focal point for all air quality professionals. The IAQM is the largest professional body for air quality experts in the UK as well as the authoritative voice for UK air quality.
International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)	IALA is a non-profit, international technical association. Established in 1957, it gathers together Marine Aids to Navigation authorities, manufacturers, consultants, and scientific and training institutes from all parts of the world and offers them the opportunity to exchange and compare their experiences and achievements.
International Council for the Exploration of Sea	ICES is an intergovernmental organization with 20 Member Countries. It was established in 1902 by exchange of letters between participating countries. In 1964, through an agreed Convention, ICES received a legal foundation and full international status.
International Union for Conservation of Nature (IUCN)	IUCN (International Union for Conservation of Nature) is a membership Union of government and civil society organisations. Working with many partners and supporters, IUCN implements a large and diverse portfolio of conservation projects worldwide.



Term	Definition
Intertidal Foreshore	An area of land located along the eastern bank of Seal Sands within the River Tees situated between the high and low mean tide watermark
Invasive non-native species	A non-native species that causes harm to the environment, economy, or human, animal, or plant health.
Invasive Non-native Species (INNS)	An invasive non-native species is any living thing which has spread outside its native range and causes environmental and/or economic harm in its new environment.
Inventory of Carbon and Energy	The Inventory of Carbon and Energy (also known as the ICE database) is an embodied carbon database for building materials.
Joint Nature Conservation Committee (JNCC)	The public body that advises the UK Government and devolved administrations on UK-wide and international nature conservation. Originally established under the Environmental Protection Act 1990, they were reconstituted by the Natural Environment and Rural Communities (NERC) Act 2006.
Junction Turning Counts	The movements as classifications of vehicles through a junction are recorded over a specific time period. The data obtained can be used in decision making at both planning level and operational analysis level regarding the layout and design of the roadway, signage and signalling installation, capacity analysis, traffic circulation patterns, pavement marking and signal timing.
LAeq	This is the equivalent continuous sound level. When a noise varies over time, the LAeq is the equivalent continuous sound which would contain the same sound energy as the time varying sound. Measured in dB.
LAeq,16h	The annual average noise level (in dB) for the 16-hour period between 0700-2300.
LAeq,T	Defined as the notional steady sound level which, over a stated period of time (T), would contain the same amount of acoustical energy as the A-weighted fluctuating sound measured over that period.
Lamax	LAm <sub>ax</sub> is the maximum A-weighted sound pressure level recorded over the period stated. LAm <sub>ax</sub> is sometimes used in assessing environmental noise where occasional loud noises occur, which may have little effect on the overall LAeq,T noise level, but will still affect the noise environment.

Term	Definition
Land Use	What land is used for based on broad categories of functional land cover, such as urban and infrastructure use and the different types of agricultural and forestry.
Landform	The shape and form of the land surface which has resulted from combinations of geology, geomorphology, slope, elevation, and physical processes.
Landscape	An area, as perceived by people, the character of which is a result of the action and interaction of natural and/or human factors.
Landscape and Visual Impact Assessment	A tool used to identify and assess the significance of the effects of change resulting from development both on the landscape as an environmental resource in its own right and on people's views and visual amenity.
Landscape character	A distinct, recognisable and consistent pattern of elements in the landscape that makes one landscape different from another, rather than better or worse.
Landscape Ecological Management Plan	A Landscape and Ecological Management Plan (LEMP) is a site-specific document which details your immediate and long-term commitments to manage the planting, protection and enhancement of biodiversity in and around a new development site. These measures will be in accordance with wildlife legislation, National Planning Policy Framework (NPPF) and other local plans and planning policies.
Landscape receptors	Defined aspects of the landscape resource that have the potential to be affected by a proposal.
Landscape value	The relative value that is attached to different landscapes by society. A landscape may be valued by different stakeholders for a whole variety of reasons.
Lead Local Flood Authority	LLFAs, established under the Flood and Water Management Act in 2010, are county councils and unitary authorities. They lead in managing local flood risks (i.e. risks of flooding from surface water, ground water and ordinary (smaller) watercourses).
Lead Local Flood Authority (LLFA)	Local Authority responsible for taking the lead on local flood risk management as defined within the Flood and Water Management Act (2010).

Term	Definition
Least concern	A species listed on the IUCN Red List of Threatened Species when it has been evaluated against the Red List criteria and does not qualify for Endangered Near Threatened.
Likely Significant Effect	All plans and projects (including planning applications) which are not directly connected with, or necessary for, the conservation management of a habitat site (as defined in the National Planning Policy Framework), require consideration of whether the plan or project is likely to have significant effects on that site. An LSE is a potential outcome of a Habitats Regulations Assessment (HRA) undertaken in accordance with the Conservation of Habitats and Species Regulations 2017 (as amended).
Likely Significant Effect (LSE)	The significance of an environmental effect is typically a function of the 'value' or 'sensitivity' of the receptor and the 'magnitude' or 'scale' of the impact. Combining the environmental value of the resource or receptor with the magnitude of change produces a significance of effect category. The definition of a significant effect for each environmental topic will be contained within their respective chapters of the Environmental Statement.
Liquefied Natural Gas	LNG is natural gas that has been reduced to a liquid state, through a process of cooling.
Liquefied Natural Gas Carrier	A liquefied natural gas carrier is a tank ship designed for transporting liquefied natural gas (LNG). LNG carriers provide the link in the LNG chain between where the natural gas is liquefied and where it can be turned into gas.
Local Air Quality Management	Local Air Quality Management (LAQM) Support Website is provided by Defra and the Devolved Administrations. It contains a variety of support functions for local authorities and practitioners of LAQM. Specifically, it is designed to support local authorities in carrying out their duties under the Environment Act 1995, the Environment (Northern Ireland) Order 2002, and subsequent regulations.
Local Biodiversity Action Plan	Local Biodiversity Action Plans (LBAP) identify local priorities for biodiversity conservation and work to deliver agreed actions and targets for priority habitats and species and locally important wildlife and sites.
Local Development Plan (LDP)	The set of documents and plans that present the local planning authority's policies and proposals for the development and use of land in its area.
Local Equipment Room	The Local Equipment Room serves as a storage or installation room for mechanical or electrical equipment.

Term	Definition
Local Highways Authority	The organization responsible for the maintenance of a public highway.
Local Lighthouse Authority	A local lighthouse authority (LLA) is a port, harbour, or other party providing navigational aids in a locality as part of its facilities.
Local Nature Reserve	A protected area of land designated by a local authority because of its special natural interest and/or educational value and may include a Site of Special Scientific Interest (SSSI).
Local Nature Reserve (LNR)	A site of importance for wildlife, geology, education, or public enjoyment.
Local Notices to Mariners	Local Notices to Mariners are issued by the harbour master on a regular basis to inform mariners of any operations or works taking place in the harbour which may affect the safety of navigation. These are distributed to all the marine operations involved in the harbour area, as well as adjacent harbour masters, local marine offices and notice boards at harbour access points.
Local Planning Authority	The Local Planning Authority is part of the Local Government body, which is responsible for formulating planning policies, controlling development through determining planning applications and taking enforcement action when necessary.
Local Planning Authority (LPA)	The local authority or council that is empowered by law to exercise statutory town planning functions for a particular area of the UK.
Local Wildlife Site	Local Wildlife Sites are non-statutory designations conferred by local planning authorities and given weight through local planning policy. These sites are selected through a selection of criteria (criteria are area dependent) aimed at identifying “substantive nature conservation value”.
Local Wildlife Site (LWS)	Non-statutory designated sites with substantive nature conservation value.
Lower Heating Value	The lower heating value (also known as net calorific value) of a fuel is defined as the amount of heat released by combusting a specified quantity (initially at 25°C) and returning the temperature of the combustion products to 150°C, which assumes the latent heat of vaporization of water in the reaction products is not recovered.

Term	Definition
Lower Layer Super Output Area	Lower Layer Super Output Areas (LSOA) are a geographic hierarchy designed to improve the reporting of small area statistics in England and Wales.
Lower Super Output Area (LSOA)	Lower layer Super Output Areas (LSOAs) are made up of usually four or five Output Areas (the lowest level of geographical area for census statistics), comprising of between 400 and 1,200 households with a resident population between 1,000 and 3,000 persons.
Lowest Observed Adverse Effect Level	The lowest observed adverse effect level is the lowest dosage level at which chronic exposure to the substance shows adverse effects.
Lowest Observed Adverse Effect Level (LOAEL)	The level above which adverse effects on health and quality life can be detected as a result of noise and vibration.
MA&D Category	A set of values used to categorise events within a related parent MA&D Group.
MA&D Group	A MA&D which can be grouped as either a Natural Hazard (Disaster) or Technological or Manmade Hazard (Major Accident).
MA&D Type	A set of values used to sub-categorise events within a MA&D Category
Made Ground	Area where material is known to have been placed by people on the pre-existing (natural or artificial) land surface (including engineered fill).
Magnitude	A combination of the scale, extent, and duration of an effect.
Magnitude of Impact	The magnitude of an impact is typically defined by the following factors: – extent – the area over which an effect occurs; – duration – the time for which the effect occurs; – frequency – how often the effect occurs; and severity – the degree of change relative to existing conditions.
Main River	A watercourse shown as such on the Flood Map for Planning and can include any structure or appliance for controlling or regulating the flow of water in, into or out of a main river. Main Rivers are usually larger streams and rivers, but also include smaller watercourses of strategic drainage importance. Main Rivers are under the jurisdiction of the Environment Agency which has powers to carry out flood defence works to Main Rivers.
Major Accident	In the context of the Proposed Scheme, an event that threatens immediate or delayed serious damage to human health, welfare and/or the environment and requires the use of resources beyond those of the

Term	Definition
	Applicant or its contractors. Serious damage includes the loss of life or permanent injury and / or permanent or long-lasting damage to an environmental Receptor that cannot be restored through minor cleanup and restoration efforts.
Major accident hazard	A Major Accident Hazard is a source of danger that has the potential to cause a major incident, whether that involves multiple fatalities and/or significant damage to plant, equipment or the environment. Managing Major Accident Hazards is vital to safe operations.
Major Accidents and Disasters	Major Accidents and Disasters is considered within the EIA and assesses potentially significant effects of a development on the environment as a result of its vulnerability to, or introduction of, risks of major accidents and/or disasters.
Marine and Coastal Access Act 2009	An Act to make provision in relation to marine functions and activities; to make provision about migratory and freshwater fish; to make provision for and in connection with the establishment of an English coastal walking route and of rights of access to land near the English coast; to enable the making of Assembly Measures in relation to Welsh coastal routes for recreational journeys and rights of access to land near the Welsh coast; to make further provision in relation to Natural England and the Countryside Council for Wales; to make provision in relation to works which are detrimental to navigation; to amend the Harbours Act 1964; and for connected purposes.
Marine Conservation Zone	A Marine Conservation Zone (MCZ) is a type of marine nature reserve in UK waters. They were established under the Marine and Coastal Access Act (2009) and are areas designated with the aim to protect nationally important, rare or threatened habitats and species.
Marine Jetty	A proposed jetty designed for the delivery of Liquefied Natural Gas (LNG) by mooring LNG carriers of up to 305 meters in length and up to 50 meters in beam. It is a component of the Proposed Scheme
Marine Loading Arms	A marine loading arm is an alternative to direct hose hookups that is particularly useful for larger vessels and transfers at higher loading rates and pressures.
Marine Management Organisation	MMO is an executive non-departmental public body, sponsored by the Department for Environment, Food & Rural Affairs. MMO license, regulate and plan marine activities in the seas around England so that they're carried out in a sustainable way.
Marine Policy Statement	The UK Marine Policy Statement (MPS), prepared and adopted under the Marine and Coastal Access Act 2009, provides the policy framework for

Term	Definition
	the marine planning system and taking decisions affecting the marine environment.
Marine Protected Area	A marine protected area is a defined region of the ocean where a government has places limits on human activity for the long-term conservation of marine resources, ecosystems services or cultural heritage.
Marine Safety Management System	A Marine Safety Management System is one of the compliance measures required under the Port Marine Safety Code. The Marine Safety Management System sets out the framework for the management and co-ordination of marine activities necessary for the effective facilitation of navigational safety
Maritime Safety Information	HM Coastguard regularly broadcasts Maritime Safety Information (MSI) by radio. MSI includes: information on wind strength and direction, warnings of restricted visibility, updates on sea conditions and navigational guidance and warnings.
Materials Management Plan	A Materials Management Plan (MMP) can allow for the reuse of contaminated or uncontaminated soil and other material in earthworks, whilst avoiding the lengthy and more costly process of securing an environmental permit to do so.
Mercia Mudstone Group	The Mercia Mudstone Group in the UK is characterised by a sequence of brown and red-brown, calcareous clays and mudstones, with occasional beds of impersistent green siltstone and fine-grained sandstone. It was deposited between 200 and 250 million years ago in the Triassic period. It underlies much of central and southern England and is the bedrock on which many urban areas and their infrastructure are built.
Minimum sendout	Minimum send-out applications (minimum agreed amount of gas continuously fed into the gas distribution grid).
Mitigation Measures	Actions proposed to prevent, reduce, and where possible offset, significant adverse effects arising from the whole or specific elements of the Proposed Scheme.
National Adaptation Programme	The National Adaptation Programme sets the actions that government and others will take to adapt to the impacts of climate change in the UK.
National Cycle Route / National Cycle Network	The National Cycle Network is a UK-wide network of signed paths and routes for walking, wheeling, cycling and exploring outdoors.

Term	Definition
National Grid reference	The Ordnance Survey National Grid reference system, also known as British National Grid is a system of geographic grid references used in Great Britain, distinct from latitude and longitude.
National House Building Council	The National House Building Council states its primary purpose as raising the construction standards of new homes in the United Kingdom, and providing consumer protection for homebuyers through its 10-year Buildmark warranty.
National Nature Reserve	National Nature Reserves (NNRs) were established to protect some of our most important habitats, species and geology, and to provide 'outdoor laboratories' for research.
National Nature Reserve (NNR)	A site of importance for wildlife, geology, education, or public enjoyment.
National Planning Policy Framework (NPPF)	The document that sets out Government's planning policies for England and how these are expected to be applied. The NPPF was last revised in December 2023.
National Policy Planning Framework	The National Policy Planning Framework sets out the Governments planning policies for England and how these are expected to be applied. It provides a framework within which local plans can be developed which reflect the community's needs.
National Policy Statement	National policy statements are designated under the planning act to provide guidance for decision-makers on the application of government policy when determining development consent for major infrastructure.
National Policy Statement (NPS)	Overarching policy designated under the Planning Act 2008 (as amended) (PA2008) concerning the planning and consenting of Nationally Significant Infrastructure Projects (NSIPs) in the UK.
National Site Network	An area of land subject to protection through the Habitats Regulations, including Special Areas of Conservation (SAC) and Special Protection Areas (SPA).
National Transmission System	The National Transmission System (NTS) transports high pressure natural gas around Great Britain via thousands of miles of pipelines, supplying large end users such as power stations, large industrial plant, whilst it also receives gas injections from the main gas terminals and gas producers.
National Vegetation Classification	The National Vegetation Classification (NVC) is one of the key common standards developed for the country nature conservation agencies.



Term	Definition
Nationally Designated Site	Areas of land subject to protection under UK legislation, including Sites of Special Scientific Interest (SSSI) and National Nature Reserves (NNR).
Nationally Significant Infrastructure Project	Nationally Significant Infrastructure Projects are major infrastructure developments in England and Wales which are consented by DCO. These include proposals for renewable energy projects with an installed capacity greater than 100MW.
Nationally Significant Infrastructure Project (NSIP)	Projects which fall under one of the categories in Part 3 of the Planning Act 2008 (as amended) (PA2008) and therefore require authorisation by way of a DCO.
Natural England	The government advisor for the natural environment in England.
Natural Environment and Rural Communities Act 2006 (as amended)	The Act of Parliament that is established by Natural England by merging English Nature, the Rural Development Agency, and the Countryside Agency.
Natural Gas	Natural gas is an odourless, gaseous mixture of hydrocarbons—predominantly made up of methane (CH <sub>4</sub> ).
Navigational Assistance Services	Defined by the International Maritime Organisation as a service to assist onboard navigational decision-making and to monitor its effects, especially in difficult navigational or meteorological circumstance or in case of defect or deficiencies.
Navigational Risk Assessment	A navigational risk assessment is a measure to identify and assess the potential hazards and risks with initially assumed mandatory mitigating actions in place.
Near threatened	A species listed on the IUCN Red List of Threatened Species when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.
Net Calorific Value	Net Calorific Value is the practical amount of energy which may be realised at atmospheric (constant) pressure. This is the most practically meaningful value that is expressed on an 'as received basis' (i.e. including the moisture content), since that is typically how the fuel will be burned.
Net Gain	Net gain is an approach to development that aims to leave the natural environment in a measurably better state than beforehand.

Term	Definition
Net Positive Suction Head	Net Positive Suction Head or NPSH for pumps can be defined as the difference between the suction pressure and the saturation pressure of the fluid, expressed in terms of height of liquid column. NPSH is used to measure how close a fluid is to saturated conditions.
Nitrogen Production Facility	
Noise Policy Statement for England 2010	Published by Defra and sets out the long-term vision of government noise policy, to promote good health and a good quality of life through the management of noise.
Nominal Bore	Nominal bore is a term that refers to the approximate internal measurement of the diameter of a pipe
Non-aqueous phase liquid	Nonaqueous phase liquids (NAPLs) are hydrocarbons that exist as a separate, immiscible phase when in contact with water and/or air.
Non-Designated Heritage Assets	Buildings, monuments, sites, places, areas or landscapes identified as having a degree of significance meriting consideration in planning decisions because of their heritage interest, but which do not meet the criteria for designated heritage assets. These can include those identified by a local planning authority such as 'local interest' buildings.
Non-Motorised User	A 'non-motorised user' (or NMU) is someone walking or cycling, or a horse rider.
Non-Statutory Consultation	Consultation with stakeholders on the Proposed Scheme which occurs in addition to the Statutory Consultation required under the PA2008 and EIA Regulations.
Non-Statutory Consultees	Consultees who, whilst not designated in law, are likely to have an interest in a proposed development and should therefore be consulted on the Proposed Scheme.
North Atlantic Salmon Conservation Organisation (NASCO)	NASCO is an international organization, established by convention in 1984, with the objective is to conserve, restore, enhance and rationally manage Atlantic salmon through international co-operation, taking account of best available scientific information.
North Sea Midstream Partners	North Sea Midstream Partners (NSMP) is a privately-owned business that was formed in 2012 to pursue midstream infrastructure opportunities in the

Term	Definition
	North Sea. NSMP's first acquisition was the Teesside Gas Processing Plant ("TGPP").
North Sea Transition Authority (NTSA)	NSTA is an executive non-departmental public body, sponsored by the Department for Energy Security and Net Zero, who regulate and influence the oil and gas, offshore hydrogen, and carbon storage industries.
Notices to Mariners	Notices to Mariners are issued from a number of different sources, such as the UK Hydrographic Office, Trinity House or Local Harbour Authorities. They contain important navigational information. This includes chart updates, changes in buoyage and prior warning of activities such as dredging.
Onshore Storage Tanks	Vessel for storing LNG located onshore. The Onshore storage tanks are a component of the Proposed Scheme and would be up to 13,000 m <sup>3</sup> total capacity.
Operation Phase	If permission is granted, the stage that occurs after the Proposed Scheme is handed over by the relevant construction contractor(s) and approved for operation. During the operation phase maintenance will be undertaken. It will remain in its operation phase until it is decommissioned.
Ordinary Watercourse	Any river, stream, ditch, drain, cut, dyke, sluice, sewer (other than a public sewer) and passage through which water flows that does not form part of a Main River. The LLFA, or Internal Drainage Board where relevant, has powers for Ordinary Watercourses that are similar to those held by the Environment Agency for Main Rivers.
Ordnance Survey (OS)	Great Britain's national mapping agency.
Outline Code of Construction Practice (CoCP)	Outline document setting out methods to avoid, minimise and mitigate Impact on the environment and surrounding area and the protocols to be followed in implementing these measures in accordance with environmental commitments during the construction phase.
Particulate matter	Microscopic particles of solid or liquid matter suspended in the air.
Phase 1 Habitat Survey	An ecological survey technique that provides a standardised system to record vegetation and wildlife habitats. It enables a basic assessment of habitat type and its potential importance for nature conservation.
Pilotage Exemption Certificate	A Pilotage Exemption Certificate may be granted to the vessel's master, or mate, when they fulfil certain criteria showing a capacity to safely manage

Term	Definition
	his vessel in the waters in question. Normally the pilotage exemption is valid only for the specified vessel and route.
Pipeline Integrity Gauge	A pipeline inspection gauge (PIG) is a device that is used to clean and inspect pipelines. It will be required to clean and inspect the Export Pipeline following construction, whether utilising the existing northern pipeline or to inspect the new pipeline route in the north or south of the Site.
Planning Act 2008 (PA2008)	The Act (as amended) provides the consenting regime for granting planning and other consents for Nationally Significant Infrastructure Projects.
Planning Inspectorate	The Government agency responsible for administering applications for development consent under the Planning Act 2008 (as amended) (PA2008) on behalf of the Secretary of State.
Planning Practice Guidance	An extensive online resource of detailed policy guidance provided by the Ministry of Housing, Communities and Local Government. Along with the NPPF (National Planning Policy Framework), PPG sets out how the government envisages the day to day working of the planning system in England to operate.
Polybrominated diphenyl ethers	Polybrominated diphenyl ethers or PBDEs, are a class of organobromine compounds that are used as flame retardants.
Polycyclic Aromatic Hydrocarbons	Polycyclic aromatic hydrocarbons (PAHs) are a class of chemicals that occur naturally in coal, crude oil, and gasoline.
Port Marine Safety Code	The Port Marine Safety Code (“the Code”) sets out a national standard for every aspect of port marine safety. Its aim is to enhance safety for everyone who uses or works in the UK port marine environment. It is endorsed by the UK Government, the devolved administrations and representatives from across the maritime sector and, while the Code is not mandatory, these bodies have a strong expectation that all harbour authorities will comply. The Code is intended to be flexible enough that any size or type of harbour or marine facility will be able to apply its principles in a way that is appropriate and proportionate to local requirements.
Potential roost feature	A crack, hole, hollow stem or other feature that could be used as a roost site for bats.
Predicted Environmental Concentration	This is the estimated concentration of a chemical in an environmental compartment calculated from available information on its properties, its use and discharge patterns, and the quantities involved.

Term	Definition
Preliminary Ecological Appraisal (PEA)	Preliminary ecological surveys have a range of purposes; one key use is to gather data on existing conditions, often with the intention of conducting a preliminary assessment of likely impacts of proposed developments or establishing the baseline for future monitoring. As a precursor to a proposed project, some evaluation is usually made within these appraisals of the ecological features present, as well as scoping for notable species or habitats, identification of potential constraints to the Proposed Scheme and recommendations for mitigation measures.
Preliminary Environmental Information Report	The written output of the Preliminary Environmental Impact Assessment undertaken for the Proposed Development. It was developed to support Statutory Consultation and presented the preliminary findings of the assessment to allow an informed view to be developed of the Proposed Development, the assessment approach that was undertaken, and the preliminary conclusions on the likely significant effects of the Proposed Development and environmental measures proposed.
Preliminary Environmental Information Report (PEIR)	Information which has been compiled by the Applicant and is reasonably required for the consultation bodies to develop an informed view of the likely significant effects of the development (and of any associated development) is presented within this specific report.
Pressure Indicator Controller	
Pressure Safety Valve	A Pressure Safety Valve is a type of pressure relieving device that is used to release gases or liquids, and thus relieve pressure, in the case that the pressure in a vessel reaches a pre-determined setpoint. The purpose of a safety valve is to be the last line of defence in protecting equipment, the environment, and personnel.
Principal Aquifer	These are layers of rock or drift deposits that have high intergranular and / or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.
Priority Habitat Inventory	A spatial dataset that describes the geographic extent and location of Natural Environment and Rural Communities Act (2006) Section 41 Habitats of Principal Importance (HPI).
Process Contribution	A process that defines additions and changes to an existing process without directly modifying the existing process
Process Control System	

Term	Definition
Programmable Logic Controller	A programmable logic controller (PLC) or programmable controller is an industrial computer that has been ruggedized and adapted for the control of manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis.
Proposed DCO Order Limits	The proposed DCO Order Limits combines the search areas for the offshore and onshore infrastructure associated with the Proposed Development. It is defined as the area within which the Proposed Development and associated infrastructure will be located, including the temporary and permanent construction and operational work areas.
Proposed Scheme	The scheme for which a DCO will be sought. See Chapter 2: Site and Proposed Scheme Description for further details
Public Right of Way (PRoW)	A right by which the public can pass along linear routes over land (which may be privately owned) at all times. The mode of transport may be restricted (i.e. foot, horse pedal cycle, non-motorised vehicle, or all vehicles).
Publicly Available Standard	A PAS (Publicly Available Specification) is a fast-track standardization document – the result of an expert consulting service from BSI.
Quantitative Risk Assessment	A formal and systematic risk analysis approach to quantifying the risks associated with the operation of an engineering process. A QRA is an essential tool to support the understanding of exposure of risk to employees, the environment, company assets and its reputation.
Quick Release Hooks	Quick Release Hooks enable mooring lines to be safely secured, quickly and easily released even when loaded to their safe working load limit.
Ramsar site	Wetlands of international importance designated by the UK Government under the International Ramsar Convention (the Convention on Wetlands of International Importance) 1971.
Ratio of Flow to Capacity	An output from modelling software, which shows the ratio of vehicular flow to the capacity available.
Receptor	These are as defined in Regulation 5(2) of The Infrastructure Planning ‘Environmental Impact Assessment’ Regulations 2017 and include population and human health, biodiversity, land, soil, water, air, climate, material assets, cultural heritage and landscape that may be at risk from exposure to direct and indirect impacts as a result of the Proposed Development.

Term	Definition
Regas and Storage Area	An area land within the Seal Sands development area on land owned by Navigator Terminals Seal Sands Ltd. measuring approximately 3 hectares (7.4 acres) which will include the proposed LNG regasification plant and onshore storage tanks for the Proposed Scheme.
Regasification Plant	Regasification Plant converts liquefied natural gas (LNG) at $-162\text{ }^{\circ}\text{C}$ ( $-260\text{ }^{\circ}\text{F}$ ) temperature back to natural gas at atmospheric temperature
Regionally Important Geological Sites (RIGSs)	Sites of regional and local importance for their geology that have not been designated a Site of Special Scientific Interest.
Register of Commitments	Summarises the committed impact avoidance, mitigation and enhancement measures within the chapters of the Environmental Statement, and associated appendices, that are to be adopted in relation to the Proposed Scheme and its potential identified impacts.
Reliability, Availability and Maintainability	Reliability, Availability, and Maintainability (RAM) are design attributes of a system or an asset. They hold great importance, not just to system engineers, but to operators and maintenance professionals as well. Collectively, these parameters are leveraged to improve the productivity of the asset over its life cycle by reducing waste, maximizing profit, and ultimately, optimizing its overall life cycle (LCC) costs.
Residual Effects	Effects arising from the Proposed Scheme that cannot be mitigated following implementation of mitigation measures.
Respiratory Protective Equipment	Respiratory Protective Equipment (RPE) is a particular type of Personal Protective Equipment (PPE), used to protect the individual wearer against the inhalation of hazardous substances in the workplace air.
Risk	The likelihood of an impact occurring, combined with the effect or consequence(s) of the impact on a receptor if it does occur.
Risk Assessments and Method Statements	RAMS stands for Risk Assessment Method Statement — an important health and safety document that is completed to identify the steps to be undertaken to carry out a specific activity or task in a safe manner.
Risk Event	An identified, unplanned event, which is considered relevant to the Proposed Scheme and has the potential to be a MA&D subject to assessment of its potential to result in a significant adverse effect on a receptor.

Term	Definition
Rochdale Approach	The Rochdale Approach is a parameter-based approach to environmental assessment which aims to take account of the need for flexibility in the evolution of detailed design.
Royal Institution of Chartered Surveyors	The Royal Institution of Chartered Surveyors is a global professional body for those working in the Built Environment, Construction, Land, Property and Real Estate.
Royal Society for the Protection of Birds	The Royal Society for the Protection of Birds is a charitable organisation founded in 1889 registered in England and Wales and in Scotland. It works to promote conservation and protection of birds and the wider environment through public awareness campaigns, petitions and through the operation of nature reserves throughout the United Kingdom.
Safety Instrumented System	SIS are instrumented systems that provide a significant level of risk reduction against accident hazards. They typically consist of sensors and logic functions that detect a dangerous condition and final elements, such as valves, that are manipulated to achieve a safe state.
Safety Integrity Level (SIL)	The SIL value is a measure of the reliability and availability of a safety system. It is the measurement of performance of a safety system under all the stated conditions within a stated period of time.
Safety Management System	A Safety Management System (SMS) is a systematic and proactive approach to managing safety risks.
Salmon and Freshwater Fisheries Act 1975	An Act to consolidate the Salmon and Freshwater Fisheries Act 1923 and certain other enactments relating to salmon and freshwater fisheries, and to repeal certain obsolete enactments relating to such fisheries.
Scoping	An exercise undertaken pursuant to the EIA Regulations, to determine the topics to be addressed within the ES.
Scoping Boundary	This boundary was used to inform the Scoping Report by combining the areas of search for the offshore and onshore infrastructure at the Scoping stage of the project.
Scoping Opinion	A Scoping Opinion is adopted by the Secretary of State for a Proposed Development.
Scoping Report	A report that presents the findings of an initial stage in the Environmental Impact Assessment process.



Term	Definition
Secondary Aquifer	These include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary Aquifers are subdivided into two types: Secondary A - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers; Secondary B - predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons, and weathering. These are generally the water-bearing parts of the former non-aquifers. The term
Secondary Undifferentiated Aquifer	Assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non aquifer in different locations due to the variable characteristics of the rock type.
Secretary of State (SoS)	In case of the Proposed Scheme, the Secretary of State for Energy Security and Net Zero (SNZ).
Semi-volatile organic compounds (SVOC)	A type of VOC which is more likely to be liquids or solids at lower temperatures.
Sensitivity	A term applied to specific receptors, combining judgements of the susceptibility of the receptor to the specific type of change or development proposed and the value related to that receptor.
Sherwood Sandstone Group	The Sherwood Sandstone Group, formerly known as the Bunter Sandstone, predominantly comprises sandstones and pebbly sandstones with lesser amounts of conglomerate and minor amounts of mudstone and siltstone. It was deposited between 230 and 260 million years ago in the late Permian and Triassic periods. It is present in several different sedimentary basins in the UK, including the Carlisle, Cheshire and West Lancashire, Worcester, East Yorkshire and Lincolnshire and Wessex basins.
Significance	A measure of the importance of the environmental effect, defined by criteria specific to the environmental aspect.
Significant effects	It is a requirement of the EIA Regulations 2017 to determine the likely significant effects of the development on the environment which should relate to the level of an effect and the type of effect. Where possible significant effects should be mitigated. The significance of an effect gives an indication as to the degree of importance (based on the magnitude of the effect and the sensitivity of the receptor) that should be attached to the impact described. Whether or not an effect should be considered

Term	Definition
	<p>significant is not absolute and requires the application of professional judgement. Significant – ‘noteworthy, of considerable amount or effect or importance, not insignificant or negligible’ (The Concise Oxford Dictionary). Those levels and types of landscape and visual effect likely to have a major or important / noteworthy or special effect of which a decision maker should take particular note.</p>
Site	The area for which the DCO will be sought.
Site of Special Scientific Interest	Sites designated at the national level under the Wildlife & Countryside Act 1981 (as amended). They are a series of sites that are designated to protect the best examples of significant natural habitats and populations of species.
Site of Special Scientific Interest (SSSI)	A site statutorily notified under the Wildlife and Countryside Act 1981 (as amended) as being of special nature conservation or geological interest. Site of Special Scientific Interest (SSSIs) include habitats, geological features, and landforms
Society of Brownfield Risk Assessment	The Society of Brownfield Risk Assessment (SoBRA) has been established to support the growing number of professionals working in land contamination risk assessment. It is a learned society for individuals, with membership drawn from the private, public, voluntary and academic sectors. Its goals are to improve technical knowledge in risk-based decision-making related to land contamination applications and to enhance the professional status and profile of practitioners.
Source Protection Zone (SPZ)	The Environment Agency has designated SPZs for 2000 groundwater supply sources. The SPZs are designed to control activities close to water supplies intended for human consumption. These water sources include wells, boreholes and springs, all of which are used for public drinking. Contamination of these zones from any activity might cause pollution in the area and pose a risk to the public who consume tap water. The closer the activity is to the water source, the greater the risk
Source Protection Zone 1 (SPZ 1)	Also referred to as the ‘inner zone’. In relation to contamination risks to groundwater sources, defined by the Environment Agency as the 50- day travel time from any point below the water table to the source. This zone has a minimum radius of 50 metres.
Source-Pathway-Receptor linkage	When considering the redevelopment of potentially contaminated sites, the Source – Pathway – Receptor model is a commonly adopted approach for assessing the hazards and risks associated with the site. There are three essential elements to risk in relation to contaminated land and pollutant linkages: A contaminant source: a substance that is in, on, or under the land and has the potential to cause harm or to cause pollution of controlled waters. A receptor: in general terms, something that could be adversely

Term	Definition
	affected by a contaminant, such as people, an ecological system, property, or a water body. A pathway: a route or means by which a receptor can be exposed to, or affected by, a contaminant. All three elements can exist independently however, where a connection is identified, the combination of the three results in a pollutant linkage.
Special Area of Conservation (SAC)	High quality conservation sites that are protected under the European Union Habitats Directive, due to their contribution to conserving those habitat types that are considered to be most in need of conservation.
Special Protection Area (SPA)	Sites classified in accordance with Article 4 of the EC Birds Directive (79/409/EEC) which came into force in April 1979. They are classified for rare and vulnerable birds (as listed on Annex 1 of the Directive), and for regularly occurring migratory species.
Species	A group of interbreeding organisms that seldom or never interbreed with individuals in other such groups, under natural conditions; most species are made up of subspecies or populations.
Species of Principal Importance	England is obliged by UK law to maintain lists of species of principal importance for biodiversity conservation; the other countries within the UK. The species that have been designated to be of "principal importance for the purpose of conserving biodiversity" are those that are most threatened, in greatest decline, or where the UK holds a significant proportion of the world's total population.
SPZ Outer Protection Zone (Zone 2)	Defined by a 400-day travel time from a point below the water table. The previous methodology gave an option to define SPZ2 as the minimum recharge area required to support 25 per cent of the protected yield. This option is no longer available in defining new SPZs and instead this zone has a minimum radius of 250 or 500 metres around the source, depending on the size of the abstraction
SPZ Total Catchment (Zone 3)	Defined as the area around a source within which all groundwater recharge is presumed to be discharged at the source. In confined aquifers, the source catchment may be displaced some distance from the source. For heavily exploited aquifers, the final Source Catchment Protection Zone can be defined as the whole aquifer recharge area where the ratio of groundwater abstraction to aquifer recharge (average recharge multiplied by outcrop area) is >0.75. There is still the need to define individual source protection areas to assist operators in catchment management
Statement of Community Consultation	The Statement of Community Consultation is a document required under the Planning Act 2008 which explains how to carry out statutory consultations with local communities.

Term	Definition
Statutory Consultees	The PA 2008 and EIA Regulations prescribe circumstances where the Secretary of State is required to consult specified bodies prior to a decision being made on an application. Includes bodies such as: Environment Agency, Highways Authority, Historic England, Natural England, and Parish Councils, among others.
Statutory Harbour Authority	Statutory Bodies responsible for the management and running of a harbour. The powers and duties in relation to a harbour are set out in local Acts of Parliament or a Harbour Order under the HA 1964.
Stockton-on-Tees Borough Council	The Local Planning Authority in which the Proposed Scheme is within the administrative boundaries of.
Strategic Road Network	The SRN is made up of the motorways and major trunk roads in England that are managed by the Highways Agency. It comprises approximately 4,400 miles of road and provides the capacity and connectivity to support national and local economic growth, effectively linking communities and allowing us to commute to work, transport goods and visit friends and family.
Study Area	The area, defined for each technical topic, within which the effect(s) of the Proposed Scheme is assessed.
Submerged Combustion Vaporiser	Submerged Combustion Vaporiser or (SCV) are heated type units which are used to vaporise and heat LNG stored in containers under low temperatures.
Superficial Deposits	Superficial deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 2.6 million years from the present. They rest on older deposits or rocks referred to as bedrock.
Susceptibility	The ability of a defined landscape or visual receptor to accommodate the specific proposed development without undue negative consequences.
Sustainable Drainage System (SuDS)	Sustainable drainage systems (SuDS) are drainage solutions that provide an alternative to the direct channelling of surface water through networks of pipes and sewers to nearby watercourses.
Teesside Gas Processing Plant	Located within Seal Sands, Teesside Gas Processing Plant is an independently owned gas processing facility with the capability to process up to 6% of UK demand for natural gas.

Term	Definition
Temperature Indicator Controller	A Temperature Indicator Controller (TIC) is a device that measures and controls temperature
Temperature Safety Valve	A Temperature Safety Valve is a device used to relieve pressure buildup in piping systems that happen due to fluctuations in temperature
Temporary Construction Compound	A secure area from which site work is managed and resourced, including but not limited to temporary offices, workshop, parking, and storage.
Temporary Flow Restriction	
Tertiary Mitigation Measures	Actions that would occur with or without input from the EIA feeding into the design process.
Tetrachloroethylene	A non-flammable colourless liquid used as a dry-cleaning agent and metal degreasing solvent. It is also used as a starting material (building block) for making other chemicals and is used in some consumer products.
The Agreement on the Conservation of Small Cetaceans in the Baltic, North East Atlantic, Irish and North Seas 1991 (ASCOBANS)	Migrating cetaceans regularly cross-national boundaries. Their protection can only effectively be achieved by means of international cooperation. The aim of the Agreement is to promote close cooperation between countries with a view to achieving and maintaining a favourable conservation status for small cetaceans throughout the Agreement Area.
The Construction (Design and Management) (CDM) Regulations 2015	The Construction (Design & Management) Regulations (CDM 2015) are the main set of regulations for managing the health, safety and welfare of construction projects. CDM applies to all building and construction work and includes new build, demolition, refurbishment, extensions, conversions, repair and maintenance.
The Dangerous Substances and Explosive Atmospheres Regulations 2002	The Dangerous Substances and Explosive Atmospheres Regulations 2002 are concerned with protection against risks from fire, explosion and similar events arising from dangerous substances used or present in the workplace.
The Department for Environment, Food and Rural Affairs	The Department for Environment, Food and Rural Affairs (Defra) is the UK government department responsible for policy and regulations on environmental, food and rural issues.

Term	Definition
The Government's Multi Agency Geographic Information for the Countryside website	Referred to as MAGIC. The MAGIC website provides authoritative geographic information about the natural environment from across government. The information covers rural, urban, coastal and marine environments across Great Britain. It is presented in an interactive map which can be explored using various mapping tools that are included. Natural England manages the service under the direction of a Steering Group who represent the MAGIC partnership organisations.
The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (as amended) ('the EIA Regulations') govern the EIA process relevant to Nationally Significant Infrastructure Projects.
The Institute of Environmental Management and Assessment (IEMA)	A global professional body for individuals and organisations working, studying or interested in the environment and sustainability.
The International Convention for the Prevention of Pollution from Ships	The International Convention for the Prevention of Pollution from Ships (MARPOL) is the main international convention covering prevention of pollution of the marine environment by ships from operational or accidental causes. The Convention includes regulations aimed at preventing and minimizing pollution from ships - both accidental pollution and that from routine operations.
The Levelling-up and Regeneration Act 2023	The Levelling up and Regeneration Act 2023 (LURA) follows the government's "Levelling Up the United Kingdom" White Paper, which was issued in February 2022 and, according to the government, will speed up the planning system, hold developers to account, cut bureaucracy, and encourage more councils to put in place plans to enable the building of new homes.
The Office for Nuclear Regulation	The Office for Nuclear Regulation is the regulator for the nuclear industry in the United Kingdom.
The Oslo and Paris Convention for the Protection of the Marine Environment in the North-East Atlantic 1992 (OSPAR)	OSPAR is the mechanism by which 15 Governments & the EU cooperate to protect the marine environment of the North-East Atlantic. OSPAR started in 1972 with the Oslo Convention against dumping and was broadened to cover land-based sources of marine pollution and the offshore industry by the Paris Convention of 1974.
The UK Health Security Agency	UKHSA is an executive agency, sponsored by the Department of Health and Social Care. The UKHSA is responsible for protecting every member

Term	Definition
	of every community from the impact of infectious diseases, chemical, biological, radiological and nuclear incidents and other health threats.
Tonnes of CO2 equivalents	A carbon dioxide equivalent or CO2 equivalent, abbreviated as CO2e is a metric measure used to compare the emissions from various greenhouse gases on the basis of their global-warming potential (GWP), by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential.
Total organic carbon	A measure of the total amount of carbon in organic compounds in pure water and aqueous systems.
Total Petroleum Hydrocarbons (TPH)	Total petroleum hydrocarbons (TPH) is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil.
Transitional and Coastal Waters	The Water Framework Directive (WFD) requires Member States to differentiate transitional waters (TWs) and coastal waters (CWs) according to type. Differentiation must use a predefined set of physical descriptors and must ensure that biological comparisons can be made between similar physical types of water bodies. Transitional waters are bodies of surface water in the vicinity of river mouths which are partly saline in character as a result of their proximity to coastal waters, but which are substantially influenced by freshwater flows. Coastal waters are (1) The waters outside the low-water line or the outer limit of an estuary. (2) Surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters is measured, extending where appropriate up to the outer limit of transitional waters.
Transport Assessment	Transport Assessments are ways of assessing the potential transport impacts of developments (and they may propose mitigation measures to promote sustainable development. Where that mitigation relates to matters that can be addressed by management measures, the mitigation may inform the preparation of Travel Plans). Transport Assessments are thorough assessments of the transport implications of development.
Transport Statement	A Transport Statement is a 'lighter touch' version of a Transport Assessment and is used in some cases where transport issues arising out of development proposals do not require a full Transport Assessment. Transport Statements cover the smaller scale developments where the traffic impact is limited in both volume and area impact.
Travel Plan	Travel Plans are long-term management strategies for integrating proposals for sustainable travel into the planning process. They are based on evidence of the anticipated transport impacts of development and set measures to promote and encourage sustainable travel (such as promoting

Term	Definition
	walking and cycling). Travel Plans should where possible, be considered in parallel to development proposals and readily integrated into the design and occupation of the new site rather than retrofitted after occupation. Where there may be more effective or sustainable outcomes, and in order to mitigate the impact of the proposed development, consideration may be given to travel planning over a wider area.
Trip End Model Program (TEMPro)	TEMPro is also the industry standard tool for estimating traffic growth, which is required when assessing the traffic impact of a development on the local highway network.
UK Air Quality Strategy	Defra’s framework for local authorities to make best use of their powers and make air quality improvements for their communities.
UK Biodiversity Action Plan	The UK Biodiversity Action Plan (UK BAP) was published in 1994 and was the UK Government’s response to the Convention on Biological Diversity (CBD), which the UK signed up to in 1992 in Rio de Janeiro. The CBD called for the development and enforcement of national strategies and associated action plans to identify, conserve and protect existing biological diversity, and to enhance it wherever possible. The UK was the first country to produce a national biodiversity action plan. The UK BAP described the biological resources of the UK and provided detailed plans for conservation of these resources. Action plans for the most threatened species and habitats were set out to aid recovery, and national reports, produced every three- to five-years, showed how the UK BAP was contributing to the UK’s progress towards the significant reduction of biodiversity loss called for by the CBD.
UK Habitat Classification	The UK Habitat Classification is a survey method used to categorise habitats within a defined survey area and record their condition and distinctiveness against set criteria.
UK Hydrographic Office	The UK Hydrographic Office (UKHO) is a world-leading centre for hydrography, specialising in marine geospatial data to support safe, secure and thriving oceans. UKHO is an executive agency, sponsored by the Ministry of Defence.
Unexploded ordnance (UXO)	Unexploded Ordnance (UXO) is a term used internationally to represent explosive devices that have not detonated as intended.
United Nations Framework Convention on Climate Change	The United Nations Framework Convention on Climate Change is the UN process for negotiating an agreement to limit dangerous climate change.



Term	Definition
Variable Frequency Drive (VFD)	A variable frequency drive (VFD) is a type of motor controller that drives an electric motor by varying the frequency and voltage of its power supply.
Vessel Traffic Services (VTS)	Vessel traffic services (VTS) are shore-side systems which range from the provision of simple information messages to ships, such as position of other traffic or meteorological hazard warnings, to extensive management of traffic within a port or waterway.
Visual Amenity	Overall enjoyment of a particular area, surroundings, or views in terms of peoples' activities - living, recreating, travelling through, visiting, or working.
Visual Effect	An effect on specific views and on the general visual amenity experienced by people.
Visual Receptor	Individuals and/or defined groups of people who have the potential to be affected by the Proposed Scheme.
Volatile organic compounds (VOCs)	Volatile organic compounds are compounds that have a high vapor pressure and low water solubility. They are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects.
Vulnerability	In the context of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (on the assessment of the effects of certain public and private projects on the environment) the term refers to the 'exposure and resilience' of the Proposed Scheme to the risk of a MA&D. Vulnerability is influenced by sensitivity, adaptive capacity and magnitude of impact.
Waste Hierarchy	Sets out the priorities that must be applied when managing waste.
Water Environment WFD (England and Wales) (Amendment) Regulations 2017	Water Framework Directive (WFD) is a European Community Directive (2000/60/EC) on integrated river basin management. The WFD sets out environmental objectives for water status based on: ecological and chemical parameters; common monitoring and assessment strategies; arrangements for river basin administration and planning; and a programme of measures in order to meet the objectives. The Water Environment WFD (England and Wales) (Amendment) Regulations 2017 enact this in to UK law.
Water Framework Directive (WFD)	European Union directive which commits member states to achieve good qualitative status of all water bodies. This has been retained in UK law following the UK's exit from the European Union.

Term	Definition
Water Resource Zone	Water Resource Zones are the geographical areas used by water companies to develop forecasts of supply and demand, and supply vs demand balances. A WRZ describes an area within which supply infrastructure and demand centres are linked such that customers in the WRZ experience the same risk of supply failure.
Waterbody	A discrete body of water forming a physical feature.
Wetland Bird Survey data provided by the British Trust for Ornithology (BTO)	The Wetland Bird Survey (WeBS) is the monitoring scheme for non-breeding waterbirds in the UK, which aims to provide the principal data for the conservation of their populations and wetland habitats.
Wildlife and Countryside Act 1981 (as amended)	The Wildlife and Countryside Act 1981 is an Act of Parliament in the UK which is the principal piece of UK legislation relating to the protection of wildlife.
World Health Organisation	The United Nations agency working to promote health, keep the world safe and serve the vulnerable. It is responsible for providing leadership on global health matters, shaping the health research agenda, setting norms and standards, articulating evidence-based policy options, providing technical support to countries and monitoring and assessing health trends.
Zone of Influence (Zoi)	The areas/resources that may be affected by the biophysical changes caused by activities associated with a project.

## 1A.2. ABBREVIATIONS

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Acronym	Term
AA	Appropriate Assessment
AADT	Annual average daily traffic
ACM	Asbestos Containing Materials
ADMS	Atmospheric Dispersion Modelling System
AEZs	Archaeological Exclusion Zones
AIL	Abnormal Indivisible Load
AIS	Automatic Identification System
ALARP	As Low as Reasonably Practicable
ALARP	As low as reasonably practicable
ANA	Archaeological Notification Area
AOD	Above Ordnance Datum
AONB	Areas of Outstanding Natural Beauty
API	American Petroleum Institute
APIS	Air Pollution Information System
AQAL	Air Quality Assessment Level
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
AQO	Air Quality Objective
AQS	UK Air Quality Strategy

Acronym	Term
ARG UK	Amphibian and Reptile Groups of the United Kingdom
ARP	Adaptation Reporting Power
ASCOBANS	The Agreement on the Conservation of Small Cetaceans in the Baltic, North East Atlantic, Irish and North Seas 1991
ASME	American Society of Mechanical Engineers
ATC	Automatic Traffic Counts
ATI	Ancient Tree Inventory
AtoN	Aids to Navigation
AV	All Vehicle
AWI	Ancient Woodland Inventory
BAP	Biodiversity Action Plan
BAT	Best Available Technology
bgl	Below ground level
BGS	British Geological Survey
BMS	Biodiversity Mitigation Strategy
BNG	Biodiversity Net Gain
BoCC	Birds of Conservation Concern
BOD	Biochemical Oxygen Demand
BOG	Boil Off Gas
BPM	Best Practicable Means
BS EN	British Standard European Norm

Acronym	Term
BSI	British Standards Institute
BTEX	Benzene Toluene Ethylbenzene Xylene
BTO	British Trust for Ornithology
CAR	Control of Asbestos Regulations
CATS	Central Area Transmission System
CBC	Common Bird Census
CBRN	Chemical, Biological, Radiological and Nuclear
CCRA	Climate Change Risk Assessment
CCTV	Closed Circuit Television
CDM	The Construction (Design and Management) (CDM) Regulations 2015
CEA	Cumulative Effects Assessment
CEMP	Construction Environmental Management Plan
CERC	Cambridge Environmental Research Consultants
CFA	Continual Flight Auger
CHA	Competent Harbour Authority
CIEEM	Chartered Institute of Ecology and Environmental Management
CIRIA	Construction Industry Research and Information Association
CL	Conservation Limits
CL:AIRE	Contaminated Land: Applications in Real Environments
CLRF	Cleveland Local Resilience Forum

Acronym	Term
CLVIA	Cumulative Landscape and Visual Impact Assessment
CME	Coronal mass ejections
CNP	Critical national priority
CoC	Contaminants of Concern
COCP	Code of Construction Practice
COD	Chemical Oxygen Demand
COLREG	Convention on the International Regulations for Preventing Collisions at Sea, 1972
COMAH	Control Of Major Accident Hazards Regulations 2015
COPD	Chronic Obstructive Pulmonary Disease
CR	Critically endangered
CRI	Climate Risk Indicators
CRoW	Countryside Right of Way
CRoW Act	Countryside and Rights of Way Act 2000
CSM	Conceptual Site Model
CTMP	Construction Traffic Management Plan
CZ	Consultation Zone
dB	Decibels
DBB	Double Block and Bleed
DCO	Development Consent Order
DD	Data deficient

Acronym	Term
Defra	The Department for Environment, Food and Rural Affairs
DESNZ	Department for Energy Security and Net Zero
DfT	Department for Transport
DLL	District Level Licence
DML	Deemed Marine Licence
DMRB	Design Manual for Roads and Bridges
DNO	Distribution Network Operator
DoWCoP	Definition of Waste: Development Industry Code of Practice
DPD	Development Plan Document
DSEAR	The Dangerous Substances and Explosive Atmospheres Regulations 2002
DTMP	Decommissioning Traffic Management Plan
EA	Environment Agency
EATM	Environmental Assessment of Traffic and Movement
ECIA	Ecological Impact Assessment
ECoW	Ecological Clerk of Works
ECP	England Coastal Path
EEA	European Economic Area
EERA	escape, evacuation and rescue assessment
EIA	Environmental Impact Assessment
EIA Regulations	The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Acronym	Term
EMS	Environmental Management System
EN	Endangered
EPD	Environmental Product Declarations
EPS	European Protected Species
EPSL	European Protected Species Licence
EPUK	Environmental Protection UK
ERIC	Environmental Information Centre
ERS	Emergency Release System
ES	Environmental Statement
ESD	Emergency Shutdown
EU	European Union
EWP	The Energy White Paper 'Powering our Net Zero Future'
F&G	Fire & Gas
FIC	Flow Indicator Controller
FRA	Flood Risk Assessment
FRAP	Flood Risk Activity Permit
FSA	Formal Safety Assessment
FSRU	Floating Storage and Regasification Units
GAN	Gas Nitrogen
GCN	Great Crested Newt



Acronym	Term
GCV	Gross Calorific Value
GHG	Greenhouse Gas
GHV	Gross Heating Value
GIS	Geographical Information System
GPP	Guidance for Pollution Prevention
GPS	Global Positioning System
GT	Gross Tonnage
GtGP	Guide to Good Practice
GW	Gigawatt
GWDTE	Groundwater Dependent Terrestrial Ecosystems
GWMU	Groundwater management units
H&S	Health and safety
ha	Hectares
HAZID	Hazard Identification
HAZOP	Hazard and Operability
HBC	Hartlepool Borough Council
HCA	Habitat Condition Assessment
HDD	Horizontal directional drilling
HDV	Heavy Duty Vehicle
HFO	Heavy Fuel Oil

Acronym	Term
HGV	Heavy Goods Vehicle
HHV	Higher Heating Value
HP	High Pressure
HPI	Habitats of Principal Importance
HRA	Habitats Regulation Assessment
HSE	Health and Safety Executive
HSI	Habitat Suitability Index
HV	Heavy Vehicle
IALA	International Association of Marine Aids to Navigation and Lighthouse Authorities
IAQM	Institute of Air Quality Management
ICE	Inventory of Carbon and Energy
ICES	International Council for the Exploration of Sea
IEF	Important Ecological Feature
IEMA	The Institute of Environmental Management and Assessment
IMD	Indices of Multiple Deprivation
INCA	Industry Nature Conservation Association
INNS	Invasive non-native species
INS	Information Services
IUCN	International Union for Conservation of Nature
JNCC	Joint Nature Conservation Committee

Acronym	Term
JTC	Junction Turning Counts
LAQM	Local Air Quality Management
LBAP	Local Biodiversity Action Plan
LC	Least concern
LCRM	Land Contamination Risk Management
LEMP	Landscape Ecological Management Plan
LER	Local Equipment Room
LHA	Local Highways Authority
LHV	Lower Heating Value
LLA	Local Lighthouse Authority
LLFA	Lead Local Flood Authority
LNG	Liquified Natural Gas
LNGC	Liquefied Natural Gas Carrier
LNR	Local Nature Reserve
LNtMs	Local Notices to Mariners
LOAEL	Lowest Observed Adverse Effect Level
LP	Low Pressure
LPA	Local Planning Authority
LSE	Likely Significant Effect
LSOA	Lower Super Output Area

Acronym	Term
LuRA	The Levelling-up and Regeneration Act 2023
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
MA&D	Major Accidents and Disasters
MAGIC	The Government's Multi Agency Geographic Information for the Countryside website
MAH	Major accident hazard
MAPP	Major Accident Prevention Policy
MARPOL	The International Convention for the Prevention of Pollution from Ships
MC	Middlesbrough Council
MCAA	Marine and Coastal Access Act 2009
MCZ	Marine Conservation Zone
MLA	Marine Loading Arms
Mm3	Million cubic metres
MMG	Mercia Mudstone Group
MMO	Marine Management Organisation
MMP	Materials Management Plan
MPA	Marine Protected Area
MPS	Marine Policy Statement
MScm / MMScf	Million Standard Cubic Meter/Feet

Acronym	Term
MScmd / MMScfd	Million Standard Cubic Meter/Feet per Day
MSI	Maritime Safety Information
MSMS	Marine Safety Management System
MSO	Minimum sendout
Mt	Million tonnes
NAP	National Adaptation Programme
NAPL	Non-aqueous phase liquid
NAS	Navigational Assistance Services
NASCO	North Atlantic Salmon Conservation Organisation
NB	Nominal Bore
NCN	National Cycle Route
NCV	Net Calorific Value
NE	Natural England
NERC Act	Natural Environment and Rural Communities Act 2006 (as amended)
NG	Natural Gas
NGR	National Grid reference
NHBC	National House Building Council
NMU	Non-Motorised User
NNR	National Nature Reserve
NPF	Nitrogen Production Facility

Acronym	Term
NPGG	National Planning Practice Guidance
NPPF	National Policy Planning Framework
NPS	National Policy Statement
NPSE	Noise Policy Statement for England 2010
NPSH	Net Positive Suction Head
NRA	Navigational Risk Assessment
NSIP	Nationally Significant Infrastructure Project
NSMP	North Sea Midstream Partners
NSTA	North Sea Transition Authority
NT	Near threatened
NtMs	Notices to Mariners
NTS	National Transmission System
NVC	National Vegetation Classification
OCoCP	Outline Code of Construction Practice
ONR	The Office for Nuclear Regulation
OS	Ordnance Survey
OSPAR Convention	The Oslo and Paris Convention for the Protection of the Marine Environment in the North-East Atlantic 1992
OWF	Offshore Wind Farm
PA2008	Planning Act 2008
PAH	Polycyclic Aromatic Hydrocarbons

Acronym	Term
PAS	Publicly Available Standard
PBDE	Polybrominated diphenyl ethers
PC	Process Contribution
PCS	Process Control System
PDSA	Pre-Desk Study Assessment
PEC	Predicted Environmental Concentration
PEC	Pilotage Exemption Certificate
PEIR	Preliminary Environmental Information Report
PER	Tetrachloroethylene
PERA	Preliminary Environmental Risk Assessment
PIC	Pressure Indicator Controller
PIC (Transport)	Personal Injury Collision
PIG	Pipeline Integrity Gauge
PLC	Programmable Logic Controller
PM	Particulate matter
PMSC	Port Marine Safety Code
PPE	Personal Protective Equipment
PPG	Planning Practice Guidance
PPGN	Planning Practice Guidance: Noise
ppt	Parts per thousand

Acronym	Term
PRF	Potential roost feature
PRoW	Public Right of Way
PSV	Pressure Safety Valve
QRA	Quantitative Risk Assessment
QRH	Quick Release Hooks
RAF	Royal Air Force
RAM	Reliability, Availability and Maintainability
RAMS	Risk Assessments and Method Statements
RCBC	Redcar and Cleveland Borough Council
RFC	Ratio of Flow to Capacity
RFP	Request for Proposal
RICS	Royal Institution of Chartered Surveyors
RIGS	Regionally Important Geological Sites
RPE	Respiratory Protective Equipment
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
SAFFA	Salmon and Freshwater Fisheries Act 1975
SCV	Submerged Combustion Vaporiser
SHA	Statutory Harbour Authority
SIL	Safety Integrity Level



Acronym	Term
SIS	Safety Instrumented System
SMS	Safety Management System
SoBRA	Society of Brownfield Risk Assessment
SoCC	Statement of Community Consultation
SoS	Secretary of State
SoTBC	Stockton-on-Tees Borough Council
SPA	Special Protection Area
SPI	Species of Principal Importance
SPRL	Source-Pathway-Receptor linkage
SPZ	Source Protection Zone
SRN	Strategic Road Network
SSG	Sherwood Sandstone Group
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage System
SVOCs	Semi-volatile organic compounds
TA	Transport Assessment
tCO <sub>2</sub> e	Tonnes of CO <sub>2</sub> equivalents
TEMPro	Trip End Model Program
TFR	Temporary Flow Restriction
TGPP	Teesside Gas Processing Plant

Acronym	Term
TIC	Temperature Indicator Controller
TOC	Total organic carbon
TOS	Traffic Organisations Services
TP	Travel Plan
tpa	Tonnes per annum
TPH	Total Petroleum Hydrocarbons
TraC	Transitional and Coastal Waters
TS	Transport Statement
TSV	Temperature Safety Valve
TWh	Terawatt hours
UKBAP	UK Biodiversity Action Plan
UKHab	UK Habitat Classification
UKHO	UK Hydrographic Office
UKHSA	The UK Health Security Agency
UNFCCC	United Nations Framework Convention on Climate Change
UNM	Underwater Noise Measurement
UXO	Unexploded ordnance
VFD	Variable Frequency Drive
VOC	Volatile organic compounds
VTS	Vessel Traffic Services

Acronym	Term
VU	Vulnerable
WCA	Wildlife and Countryside Act 1981 (as amended)
WCH	Walkers, Cyclists and Horse riders
WeBS	Wetland Bird Survey data provided by the British Trust for Ornithology (BTO)
WFD	Water Environment WFD (England and Wales) (Amendment) Regulations 2017
WHO	World Health Organisation
WRZ	Water Resource Zone
YALPAG	Yorkshire and Lincolnshire Pollution Advisory Group
Zol	Zone of Influence



**CHAPTER 4 APPROACH TO EIA**  
**APPENDIX 4A**  
**TRANSBOUNDARY SCREENING MATRIX**

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# CONTENTS

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<b>4A.</b>	<b>TRANSBOUNDARY SCREENING MATRIX</b>	<b>4-1</b>
<b>4A.1</b>	<b>INTRODUCTION</b>	<b>4-1</b>
<b>4A.2</b>	<b>LEGISLATIVE CONTEXT</b>	<b>4-1</b>
<b>4A.3</b>	<b>TRANSBOUNDARY SCREENING</b>	<b>4-2</b>

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## ***TABLES***

Table 4A-1 - Transboundary Screening Matrix	4-2
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## ***FIGURE***

Figure 4A Transboundary Screening Matrix Nearest European Economic Area States
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## 4A. TRANSBOUNDARY SCREENING MATRIX

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### 4A.1 INTRODUCTION

4A.1.1. This appendix identifies the transboundary receptors of relevance to the Proposed Scheme and considers the potential significant effects from construction, operation (including maintenance) and decommissioning of the Proposed Scheme on these receptors.

### 4A.2 LEGISLATIVE CONTEXT

4A.2.1. Transboundary effects arise when impacts from a development within other European Economic Area (EEA) Member States ('EEA States') affects the environment of another EEA state(s).

4A.2.2. The UK is a signatory to the United Economic Commission for Europe (UNECE) Convention on Environmental Impact Assessment (Ref. 4A.1) in a Transboundary Context. The Convention was adopted in 1991 in the Finnish city of Espoo and is therefore known as the 'Espoo Convention'. It was established to enhance the cooperation between EEA states in assessing environmental effects in a transboundary context.

4A.2.3. The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 ('EIA Regulations') (Ref. 4A.2) transpose the requirements of the EIA Directive<sup>1</sup> governing statutory notification and consultation in respect of transboundary impacts of development on other EEA States.

4A.2.4. Regulation 14 of the EIA Regulations requires that an application for an order granting development consent for 'EIA development' must be accompanied by an environmental statement (ES). The ES must include the information stipulated by Regulation 14 including any additional information specified in Schedule 4 (where relevant). Schedule 4 requires that the description of likely significant effects should include those which are of a transboundary nature.

4A.2.5. Regulation 32 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (Ref. 4A.2) establishes the procedural duties necessary where the Secretary of State (SoS) is of the view that a Nationally Significant Infrastructure Project (NSIP) is likely to have significant effects on the environment in another EEA State; or where another EEA State is of the view that its environment is likely to be significantly affected by an NSIP.

4A.2.6. Planning Inspectorate Advice Note Twelve: Transboundary Impacts (Ref. 4A.3) sets out the procedures for consultation in association with an application for a Development Consent Order, where such development may have significant transboundary impacts. The remainder of this Appendix is set out in line with the guidance provided to aid review.

4A.2.7. The screening for likely significant effects on the environment of another EEA State may take place at any time when new relevant information becomes available. Where a likely significant effect on the environment of any other EEA State(s) is identified, the role of the Planning Inspectorate includes the identification of EEA State(s) to be notified, notification of these states, consultation with

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<sup>1</sup> Under Section 2 of the European Union (Withdrawal) Act 2018, these continue to have effect in domestic law following the UK's withdrawal from the European Union

EEA States, and notification to the EEA State(s) of the outcome of the application for development consent.

### 4A.3 TRANSBOUNDARY SCREENING

**Table 4A-1 - Transboundary Screening Matrix**

Screening Criteria:	Summary of relevant information
Document(s) used for transboundary Screening:	Teesside Flexible Regas Port Project Environmental Impact Assessment Scoping Report (the 'EIA Scoping Report').
Screening Criteria:	
Characteristics of the Development	<p>The Proposed Scheme will offer full-scale regasification capacity with the ability to deliver up to 248.5 Gigawatt hours per day of regasified natural gas into the UK's National Transmission System to serve the UK gas market.</p> <p>The Proposed Scheme is located at Seal Sands, TS2 1UA (National Grid Map Reference: NZ 54289 24423). The main components of the Proposed Scheme will be:</p> <ul style="list-style-type: none"> <li>■ A new marine jetty ('Marine Jetty') designed for the delivery of Liquefied Natural Gas ('LNG') by mooring various sizes of LNG carriers;</li> <li>■ A regasification and storage area ('Regas and Storage Area') which resides in an area of derelict, industrial land within the Seal Sands development area within land owned by Navigator Terminals Seal Sands Ltd. measuring approximately 3 hectares (7.4 acres) which will comprise of: <ul style="list-style-type: none"> <li>• a LNG regasification plant comprising vaporisers, pumps, and other ancillary equipment; and</li> <li>• onshore LNG storage tanks of up to 13,000m<sup>3</sup> total capacity.</li> </ul> </li> <li>■ A pipeline route which will contain a high-pressure export pipeline (referred to hereafter within this EIA Scoping Report as the 'Export Pipeline') that terminates at the existing Teesside Gas Processing Plant (TGPP);</li> <li>■ An electrical connection to Northern Power Grid; and</li> <li>■ Connection to the TGPP and entry point into the National Transmission System.</li> </ul> <p>Further detail is provided in <b>Chapter 2: Site and Proposed Scheme Description</b> in this EIA Scoping Report. A range of other associated development may also be required including boundary treatments, security infrastructure, temporary and</p>

Screening Criteria:	Summary of relevant information
	<p>permanent laydown areas, hard and soft landscaping, drainage, cables, pipelines, plant and equipment.</p> <p>An indicative construction programme for the Proposed Scheme is set out in <b>Chapter 2 Site and Proposed Scheme Description</b> of the EIA Scoping Report which states that the duration of construction is anticipated to be 12 months, commencing in winter of 2025. <b>Chapter 2 Site and Proposed Scheme Description</b> of the EIA Scoping Report also states that the operational lifetime of the Proposed Scheme is assumed to be up to 25 years.</p> <p>It is anticipated that the above ground elements of the Regas and Storage Area of the Proposed Scheme will be decommissioned at the end of its operational lifetime.</p> <p>No technologies are proposed that have the potential for transboundary effects.</p>
<p><b>Location of Development (including existing use) and Geographical area</b></p>	<p>The Site (defined within the Proposed Scoping Site Boundary shown in <b>Volume III Figure 1.1</b> of the EIA Scoping Report) which includes the land required to construct, operate and maintain, and decommission the Proposed Scheme) lies fully within the administrative area of Stockton-on-Tees Borough Council.</p> <p>The Site extends from a section within the River Tees in the east, where it includes an area of sandy intertidal foreshore, in addition to an area of undeveloped open land adjacent to Navigator Terminals Seal Sands. Moving west, the Site diverges into two options which are currently being considered for the route of the Export Pipeline (one to the north along an existing pipeline corridor and one to the south along an existing internal road around Seal Sands), before connecting into the existing Teesside Gas Processing Plant (TGPP) in the west. The proposed scoping Site Boundary encompasses an area of approximately 90.4 hectares (ha) which includes areas required to facilitate construction.</p> <p>The Site is located entirely within the UK European Economic Area. <b>Figure 4A</b> included in this appendix shows the nearest European Economic Area States.</p> <p>The closest EEA state is the Dutch EEA which is approximately 256km from the Site.</p>
<p><b>Environmental Importance</b></p>	<p>As set out in <b>Chapter 7: Biodiversity</b> of this EIA Scoping Report, the following European environmental designations</p>



Screening Criteria:	Summary of relevant information
	<p>are of relevance to the assessment of effects associated with the Proposed Scheme.</p> <ul style="list-style-type: none"> <li>■ Teesmouth and Cleveland Coast Ramsar Site (Within Site and along the northern Site boundary);</li> <li>■ Teesmouth and Cleveland Coast Special Protection Area (SPA) (Within Site where it extends into the intertidal foreshore and River Tees)</li> <li>■ North York Moors SPA (approximately 11.94km south);</li> <li>■ North York Moors Special Area of Conservation (SAC) approximately 11.94km south);</li> <li>■ Durham Coast SAC approximately 12.49km north);</li> <li>■ Northumbria Coast Ramsar Site approximately 12.51km north);</li> <li>■ Northumbria Coast SPA (approximately 12.51km north); and</li> <li>■ Castle Eden Dene SAC (approximately 15.84km north-west).</li> </ul> <p>Given the nature, scale and duration of potential effects and the relative distance between the proposed works to any EEA State, the Applicant does not anticipate transboundary impacts on these designations because of the Proposed Scheme.</p>
<p><b>Potential impacts and Carrier, and Extent</b></p>	<p><u>Offshore Physical and biological environment:</u></p> <ul style="list-style-type: none"> <li>■ <b>Benthic ecology</b> – no significant transboundary impacts are predicted as the extent of any predicted impacts upon benthic and intertidal ecological receptors are likely to be limited in extent and localised in nature being limited to the Proposed Scheme footprint and areas required for dredging during construction. No significant transboundary impacts are predicted.</li> <li>■ <b>Fish</b> – the main potential impact is considered to arise from the effects of underwater noise exposure to fish during construction (piling). However, the zone of influence<sup>2</sup> (Zol) for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends to 10km. On the basis that the nearest EEA is over 250km away, its transboundary effects are not considered likely.</li> <li>■ <b>Marine mammals</b> - the main direct impact is considered to be noise generated from piling during construction, with</li> </ul>

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<sup>2</sup> The area in which impacts arising from construction and/or operation could lead to significant effects for ecological features

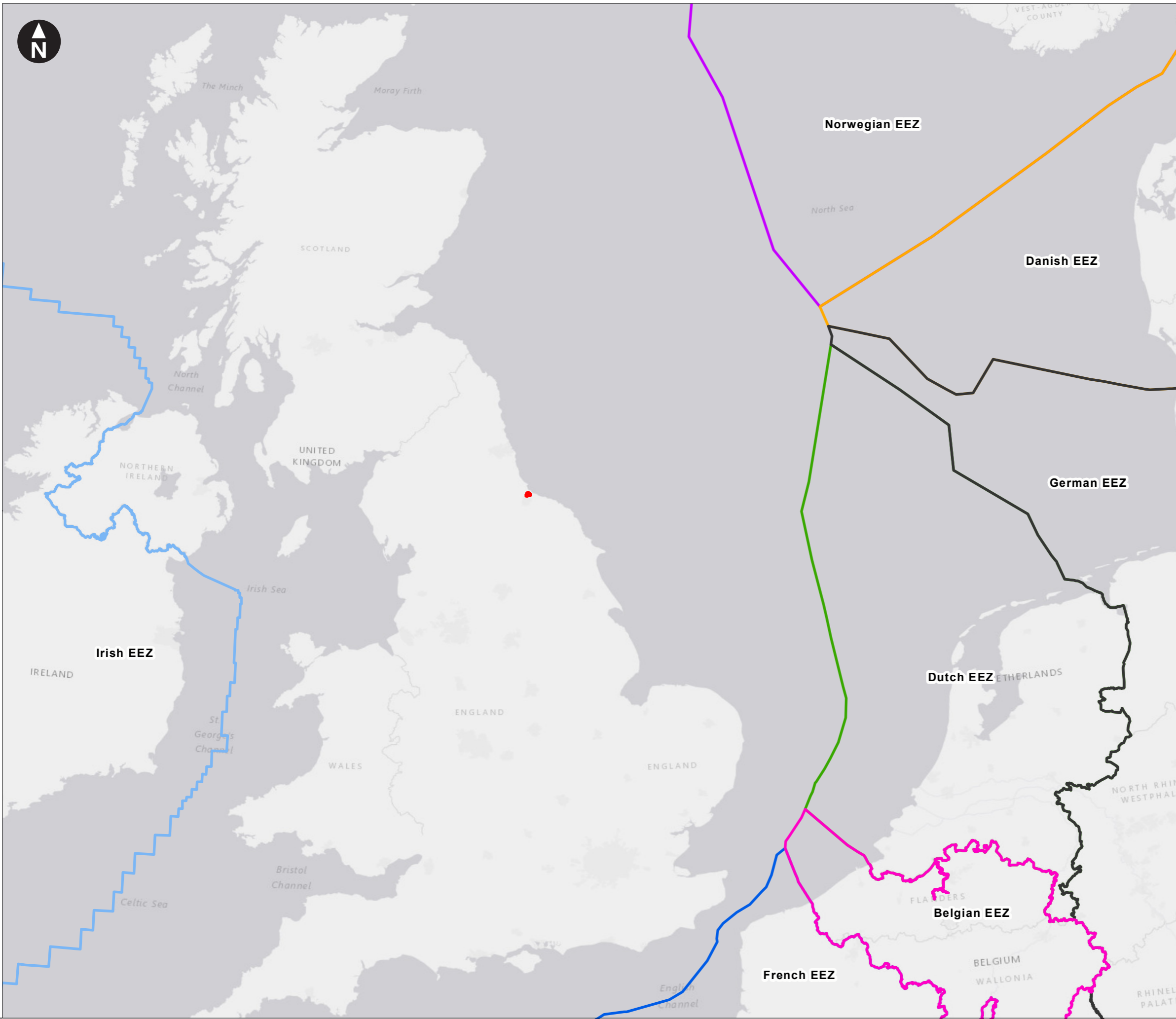
Screening Criteria:	Summary of relevant information
	<p>additional indirect impacts arising from disturbance. Such impacts could affect EEA States with marine mammals as Qualifying Features at designated sites (SAC). However, the Zol for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends to 10km. On the basis that the nearest EEA is over 250km away, its transboundary effects are not considered likely. Further consideration of connectivity of European designated site will be provided in a separate Habitats Regulation Screening report, which will cover in more detail matters associated with these designations and submitted as part of the application process.</p> <ul style="list-style-type: none"> <li>■ <b>Ornithology</b> – the main impact on birds from the Proposed Development is considered likely to be related to the construction phase, comprising disturbance and displacement, which may affect species of importance as qualifying features of European Site in other EEA States. However, the Zol for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends up to 20km for qualifying features which includes winter waterfowl and non-breeding birds. On the basis that the nearest EEA is over 250km away, transboundary effects are not considered likely. Further consideration of connectivity of European Sites (SPAs and Ramsar sites) will be provided in a separate Habitats Regulation Screening report which will cover in more detail matters associated with European designations and will be submitted as part of the application process.</li> </ul> <p><u>Offshore Infrastructure:</u></p> <ul style="list-style-type: none"> <li>■ <b>Shipping and navigation:</b> There is the potential for impacts to arise on shipping routes which transit to/from other EEA countries including the potential effects of shipping routes to/from transboundary ports. Transboundary issues could also arise from impacts upon international ports and international shipping routes. Although there is potential for impacts on international shipping to arise it is unknown at this stage where LNG carriers will originate. However these LNG carriers would use established international ports and international shipping routes.</li> <li>■ <b>Civil and military aviation:</b> No significant transboundary impacts are predicted as the any predicted impacts effects upon civil or military aviation receptors.</li> </ul>

Screening Criteria:	Summary of relevant information
	<ul style="list-style-type: none"> <li>■ <b>Marine archaeology:</b> As set out in <b>Chapter 16 Cultural Heritage</b> of the EIA Scoping Report, no significant transboundary impacts are predicted due to the localised nature of any potential impacts on marine archaeological receptor.</li> <li>■ <b>Seascape and landscape:</b> No significant transboundary impacts are predicted as any predicted impacts effects upon Seascape and landscape receptors are likely to be limited in extent, being related primarily to the localised area of sight, and distance to other EEA states.</li> </ul> <p><u>Onshore Infrastructure:</u></p> <ul style="list-style-type: none"> <li>■ <b>Landscape and visual:</b> There are no European designations for onshore landscape and visual impact within the study area.</li> <li>■ <b>Cultural heritage:</b> There are no world heritage sites, registered battlefields or protected military sites within the onshore part of the study area.</li> <li>■ <b>Geology and soils:</b> There are no European designations for ground conditions within the onshore study area.</li> <li>■ <b>Transport:</b> The predicted volume of traffic on the major transport routes is considered to be small and as such, not affect the international strategic road network. No significant transboundary impacts are predicted.</li> <li>■ <b>Terrestrial biodiversity:</b> Construction/decommissioning and operation activities could cause the loss, degradation or disturbance of terrestrial habitats within the Teesmouth and Cleveland Coast Ramsar Site/SPA that are of importance to qualifying species. In addition, the qualifying bird species may be disturbed via noise, vibration, lighting and/or visual disturbance during construction, operation and decommissioning, and potentially be displaced from suitable habitat. However, the Zol for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends up to 20km for qualifying features of statutory designated sites of international importance which includes watering waterfowl, breeding and non-breeding birds. On the basis that the nearest EEA is over 250km away, its transboundary effects are considered not likely. Further consideration of connectivity of European Sites (SPAs and Ramsar sites) will be provided in a separate Habitats Regulation Screening report which will cover in more detail matters associated with European</li> </ul>

Screening Criteria:	Summary of relevant information
	<p>designations and will and submitted as part of the application process.</p> <ul style="list-style-type: none"> <li>■ <b>Air quality:</b> the operation of the Proposed Scheme has the potential to impact on qualifying features of the Teesmouth and Cleveland Coast Ramsar Site/SPA. However, the Zol for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends to 20km. On the basis that the nearest EEA is over 250km away, its transboundary effects are considered not likely.</li> <li>■ <b>Noise and vibration:</b> the construction of the Proposed Scheme has the potential to impact on qualifying features of the Teesmouth and Cleveland Coast Ramsar Site/SPA. However, the Zol for EIA assessment, as reported in <b>Chapter 7 Biodiversity</b> of this EIA Scoping Report extends to 20km. On the basis that the nearest EEA is over 250km away, its transboundary effects are considered not likely.</li> </ul>
<b>Magnitude</b>	No transboundary impacts scoped in at this stage.
<b>Probability</b>	No transboundary impacts scoped in at this stage.
<b>Duration</b>	
<b>Frequency</b>	
<b>Reversibility</b>	
<b>Cumulative impacts</b>	

## 4A.4 REFERENCES

- Ref. 4A.1. United Nations (1991). Convention On Environmental Impact Assessment In A Transboundary Context. Available at: [https://unece.org/fileadmin/DAM/env/eia/documents/legaltexts/Espoo\\_Convention\\_authentic\\_ENG.pdf](https://unece.org/fileadmin/DAM/env/eia/documents/legaltexts/Espoo_Convention_authentic_ENG.pdf)
- Ref. 4A.2. UK Government (2017). The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017. Available at: [The Infrastructure Planning \(Environmental Impact Assessment\) Regulations 2017 \(legislation.gov.uk\)](https://www.legislation.gov.uk/uksi/2017/1000/contents/made)
- Ref. 4A.3. National Infrastructure Planning. (2020). 'Advice Note Twelve: Transboundary Impacts and Processes'. Available at: <https://infrastructure.planninginspectorate.gov.uk/legislation-and-advice/advice-notes/advice-note-twelve-transboundary-impacts-and-process>



Key

- Proposed site boundary
- Exclusive Economic Zone (EEZ):**
  - Belgian
  - Danish
  - Dutch
  - French
  - German
  - Norwegian
  - Irish
  - Guernsey
  - Jersey

0 50 100 150 200 km  
Scale at A3: 1:3,500,000  
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Teesside Flexible Regas Port  
EIA Scoping Report

**Figure 4A.1**  
Transboundary Screening Matrix Nearest European Economic Area States

March 2024





## **CHAPTER 6 NOISE AND VIBRATION APPENDIX 6A**

### **UNDERWATER NOISE ASSESSMENT GUIDANCE AND INFORMATION SOURCES**

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## 6A UNDERWATER NOISE ASSESSMENT GUIDANCE AND INFORMATION SOURCES

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### 6A.1 OVERVIEW

- 6A.1.1. **Chapter 6: Noise and vibration** of the EIA Scoping Report sets out the proposed methodology for the noise and vibration assessment to consider the noise and vibration impacts that may arise during construction, operation and decommissioning of the Proposed Scheme (as described in **Chapter 2** of this EIA Scoping Report).
- 6A.1.2. This appendix lists the guidance and information sources that will be used to inform the underwater noise assessment that has been scoped in to the EIA.
- ABPmer. (2015). Royal Pier Waterfront EIA: Marine and Estuarine Ecology. Report for RPW (Southampton) Ltd. ABPmer Report No. R.2438.
  - ABPmer, (2022). Immingham Eastern Ro-Ro Terminal. Environmental Statement: Appendix 9.2: Underwater Noise Assessment, ABPmer Report No. R.3804 (Appendix 9.2). A report produced by ABPmer for Associated British Ports, December 2022.
  - Ainslie M. A., McColm J. G., "A simplified formula for viscous and chemical absorption in sea water", *Journal of the Acoustical Society of America*, 103(3), 1671-1672, 1998.
  - Phyllis H. Cahn, William Siler, Jerome Wodinsky; *Acoustico-Lateralis System of Fishes: Tests of Pressure and Particle-Velocity Sensitivity in Grunts, Haemulon sciurus and Haemulon parrai*. *J. Acoust. Soc. Am.* 1 December 1969; 46 (6B): 1572–1578.
  - Caltrans. (2015). Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish. California Department of Transportation. Caltrans. November 2015. I-3.
  - Caltrans. (2020). Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish (2020 Update). California Department of Transportation. Caltrans. October 2020.
  - Centre for Environmental Data Analysis (CEDA). (2011). Underwater sound in relation to dredging. CEDA Position Paper - 7 November 2011.
  - De Jong, C.A.F., Ainslie, M.A., Dreschler, J., Jansen, E., Heemskerk, E. and Groen, W. (2010). Underwater noise of Trailing Suction Hopper Dredgers at Maasvlakte 2: Analysis of source levels and background noise. Commissioned by Port of Rotterdam. TNO report TNO-DV, p.C335.
  - Department for Infrastructure and Transport (DPTI). (2012). Underwater Piling Noise Guidelines. Government of South Australia, Department of Planning, Transport and Infrastructure. First published: November 2012. Version 1.
  - Farcas, A., Thompson, P. M. and Merchant, N. D. (2016). Underwater noise modelling for environmental impact assessment. *Environmental Impact Assessment Review*, 57, 114-122.
  - Fisher F. H., Simmons V. P., "Sound absorption in seawater", *Journal of the Acoustical Society of America*, 62, 558-564, 1977.
  - Francois, R. E., and Garrison, G. R. (1982). Sound absorption based on ocean measurements. Part II: Boric acid contribution and equation for total absorption. *The Journal of the Acoustical Society of America*, 72(6), 1879-1890.
  - Harland, E.J., Jones, S.A.S. and Clarke, T. (2005). SEA 6 Technical report: Underwater ambient noise. QINETIQ/S&E/MAC/CR050575.



- Hawkins A. D. and Popper, A. N. (2017). A sound approach to assessing the impact of underwater noise on marine fishes and invertebrates. *ICES Journal of Marine Science*, 74(3), pp.635–651.
- ICF Jones and Stokes and Illingworth and Rodkin. (2009). *Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish*. Prepared for: California Department of Transportation. [Online] Available at: [http://www.dot.ca.gov/hq/env/bio/files/Guidance\\_Manual\\_2\\_09.pdf](http://www.dot.ca.gov/hq/env/bio/files/Guidance_Manual_2_09.pdf).
- Illingworth, R. and Rodkin, R. (2007). *Compendium of Pile Driving Sound Data*. Prepared for: The California Department of Transportation, Sacramento, CA.
- Joint Nature Conservation Committee (JNCC). (2010). *Statutory nature conservation agency protocol for minimising the risk of injury to marine mammals from piling noise*.
- Jones, D. and Marten, K. (2016). *Dredging sound levels, numerical modelling and EIA*. *Terra et Aqua*, 144, pp.21-29.
- Kaifu, K., Akamatsu, T. & Segawa, S. Underwater sound detection by cephalopod statocyst. *Fish Sci* 74, 781–786 (2008).
- Marine Management Organisation (MMO). (2015). *Modelled Mapping of Continuous Underwater Noise Generated by Activities*. A report produced for the Marine Management Organisation, pp 50. MMO Project No: 1097. ISBN: 978-1-909452-87-9.
- National Marine Fisheries Service (NMFS). (2021). *Section 7 Consultation Guidance: Pile Driving Noise Calculator (Excel spreadsheet download)*. [Online] Available at: <https://www.fisheries.noaa.gov/southeast/consultations/section-7-consultation-guidance> (accessed October 2023).
- National Physical Laboratory (NPL). (2014). *Good Practice Guide for Underwater Noise Measurement*, National Measurement Office, Marine Scotland, The Crown Estate, Robinson, S.P., Lepper, P. A. and Hazelwood, R.A., NPL Good Practice Guide No. 133, ISSN: 1368-6550.
- National Oceanic and Atmospheric Administration (NOAA). (2018). *2018 Revisions to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Thresholds for Onset of Permanent and Temporary Threshold Shifts*. U.S. Dept. of Commer., NOAA. NOAA Technical Memorandum NMFS-OPR-59, 167p.
- Nedelec, S.L.; Campbell, J.; Radford, A.N.; Simpson, S.D.; Merchant, N.D.; Fisher, D. Particle motion: The missing link in underwater acoustic ecology. *Methods Ecol. Evol.* 2016, 7, 836–842.
- Nedwell, J.R., Turnpenny, A.W.H., Lovell, J., Parvin, S.J., Workman, R., Spinks, J.A.L. and Howell, D. (2007a). A validation of the dBht as a measure of the behavioural and auditory effects of underwater noise. *Subacoustech Report No. 534R1231*.
- Nedwell, J.R., Parvin, S.J., Brooker, A.G. and Lambert, D.R. (2008). *Subacoustech Report No. 805R0444*.
- Popper A.N., Hawkins A.D., Fay R.R., Mann D.A., Bartol S., Carlson T.J., Coombs S., Ellison W.T., Gentry R.L., Halvorsen M.B., Løkkeborg S., Rogers P.H., Southall B.L., Zeddies D.G. and Tavolga W.N. (2014). *Sound exposure guidelines for fishes and sea turtles: a technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. ASA S3/SC1.4 TR-2014*. Springer and ASA Press, Cham, Switzerland.
- Popper, A., Salmon, M. & Horch, K. Acoustic detection and communication by decapod crustaceans. *J Comp Physiol A* 187, 83–89 (2001)
- Reine, K.J., Clarke, D.G. and Dickerson, C. (2012). *Characterization of underwater sounds produced by a hydraulic cutterhead dredge fracturing limestone rock*.

- Richardson, W.J., Greene Jr., C.R., Malme, C.I. and Thompson, D.H. (1995). *Marine Mammals and Noise*. New York: Academic Press. 576 pp.
- Robinson, S.P., Theobald, P.D., Hayman, G., Wang, L.S., Lepper, P.A., Humphrey, V. and Mumford, S. (2011). *Measurement of noise arising from marine aggregate dredging operations*. Marine Aggregate Levy Sustainability Fund (MALSF). MEPF Ref no. 09/P108.
- Southall, B.L., Bowles, A.E., Ellison, W.T., Finneran, J.J., Gentry, R.L., Greene Jr, C.R., Kastak, D., Miller, J.H., Nachigall, P.E., Richardson, W.J., Thomas, J.A. and Tyack, P.L. (2007). *Marine mammal noise exposure criteria: initial scientific recommendations*. *Aquatic Mammals*, 33, pp.411–521.
- Southall, B.L., Finneran, J.J., Reichmuth, C., Nachtigall, P.E., Ketten, D.R., Bowles, A.E., Ellison, W.T., Nowacek, D.P. and Tyack, P.L. (2019). *Marine Mammal Noise Exposure Criteria: Updated Scientific Recommendations for Residual Hearing Effects*. *Aquatic Mammals*, 45(2), p.125.
- Thomsen, F., McCully, S., Wood, D., Pace, F. and White, P. (2009). *A generic investigation into Noise Profiles of Marine Dredging in Relation to the Acoustic Sensitivity of the Marine Fauna in UK Waters with Particular Emphasis on Aggregate Dredging: PHASE 1 Scoping and Review of Key Issues*. MEPF Ref No. MEPF/08/P21.
- Thorp, W. H., "Analytic description of the low frequency attenuation coefficient", *Journal of the Acoustical Society of America*, 42:270, 1967.
- Transport For London, (2016). *Silvertown Tunnel. Environmental Assessment Appendix 10.C (6.3.10.3). Underwater Noise Assessment*. April 2016.
- UK Marine Monitoring Assessment Strategy (UKMMAS). (2010). *Charting Progress 2 Feeder report: Clean and Safe Seas*. (Eds. Law, R. and Maes, T.). Published by Department for Environment Food and Rural Affairs on behalf of UKMMAS. p.366.
- Urick, R.J. (1983). *Principles of Underwater Sound for Engineers*. Urick, R. New York: McGraw-Hill, 1984.
- URS Scott Wilson. (2011). *Green Port Hull Environmental Statement*.
- World Organisation of Dredging Associations (WODA). (2013). *Technical Guidance on: Underwater Sound in Relation to Dredging*.
- Xavier, L. (2002). *An introduction to underwater acoustics: principles and applications*. Springer Science & Business Media.



**CHAPTER 7 BIODIVERSITY**  
**APPENDIX 7A**  
**MARINE WALKOVER IMAGES**

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## 7A. MARINE WALKOVER IMAGES

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Image 7A-1 - Mudflat Priority Habitat



Image 7A-2 - Lower shore with common cockles and casts from lugworm



**Image 7A-3 - Views of the upper and middle shore**



**Image 7A-4 - Barnacles and spiral wrack attached to disused pipe**



Image 7A-5 - Common periwinkle attached to boulders in the upper shore.





## **CHAPTER 18 GEOLOGY AND SOILS**

### **APPENDIX 18A**

#### **PHASE 1 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT**

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Teesside Flexible Regas Port Limited

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# TEESSIDE FLEXIBLE REGAS PORT

Appendix 18A Phase 1 Preliminary Environmental  
Risk Assessment







# CONTENTS

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<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	INTRODUCTION	1
1.2	ASSESSMENT OBJECTIVE	1
1.3	SCOPE OF WORKS	1
1.4	LEGISLATIVE CONTEXT	1
1.5	SOURCES OF INFORMATION	2
1.6	UNDERSTANDING RISK	3
1.7	CONFIDENTIALITY AND LIMITATIONS	3
<b>2</b>	<b>SITE BACKGROUND INFORMATION AND SETTING</b>	<b>4</b>
2.1	SITE DESCRIPTION AND CURRENT USE	4
<b>3</b>	<b>HISTORICAL LAND USE</b>	<b>6</b>
<b>4</b>	<b>ENVIRONMENTAL SETTING</b>	<b>9</b>
4.1	PUBLISHED GEOLOGY	9
4.2	MINING, GROUND WORKINGS AND NATURAL CAVITIES	11
4.3	HYDROGEOLOGY	11
4.4	HYDROLOGY	12
4.5	FLOODING	13
4.6	PRELIMINARY HYDROGEOLOGICAL MODEL	14
4.7	CLIMATE CHANGE	14
4.8	UNEXPLODED ORDNANCE	15
4.9	RADON	16
4.10	GROUND STABILITY	16
4.11	LANDFILLS AND WASTE MANAGEMENT SITES	16

---



<b>5</b>	<b>REGULATORY INFORMATION AND CONSULTATION</b>	<b>18</b>
5.1	REGULATORY DATABASE	18
5.2	PLANNING HISTORY	20
5.3	SENSITIVE LAND USES	21
<b>6</b>	<b>PRELIMINARY CONCEPTUAL SITE MODEL</b>	<b>24</b>
6.1	INTRODUCTION	24
6.2	POTENTIAL SOURCES OF CONTAMINATION	24
6.3	POTENTIAL PATHWAYS	25
6.4	POTENTIAL RECEPTORS	25
6.5	PRELIMINARY CONCEPTUAL SITE MODEL	26
<b>7</b>	<b>CONCLUSIONS AND RECOMMENDATIONS</b>	<b>29</b>
7.1	CONCLUSIONS	29
7.2	RECOMMENDATIONS	30

---

## ***TABLES***

Table 1-1 - Sources of Information	2
Table 2-1 - Summary of Site Details	4
Table 3-1 - Summary of on-Site land use	6
Table 3-2 - Summary of off-Site land use	7
Table 4-1 - Natural Ground Stability Hazards	16
Table 5-1 - Summary of Database Searches	18
Table 5-2 - Sensitive Land Uses	21
Table 6-1 - Potential Sources of Contamination	24
Table 6-2 - Preliminary CSM, Potential Pollutant Linkages	27

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## ***ANNEXES***



ANNEX A\_LOCATION PLAN

ANNEX B\_GROUNDSURE REPORT

ANNEX C\_BOREHOLE LOGS

ANNEX D\_UXO

ANNEX E\_CIRIA

ANNEX F\_GENERAL LIMITATIONS

ANNEX G\_HISTORICAL INFORMATION

# 1 INTRODUCTION

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## 1.1 INTRODUCTION

1.1.1. WSP UK Limited (WSP) was instructed by Teesside Flexible Regas Port Limited (the 'Applicant') to undertake a Phase 1 Preliminary Environmental Risk Assessment (PERA) of land required for the Teesside Flexible Regas Port Project (the Proposed Scheme). Details of the Proposed Scheme are provided in **Volume I, Chapter 2 The Site and Proposed Scheme Description** in the Environmental Impact Assessment (EIA) Scoping Report and the land required for construction, operation and maintenance, and decommissioning of the Proposed Scheme (the 'Site') is presented in **Annex A**. The Site has an area of approximately 90.4 hectares (ha) and is located in the Seal Sands Industrial Estate.

## 1.2 ASSESSMENT OBJECTIVE

1.2.1. The objective of this Phase 1 PERA is to identify potential constraints relating to contamination which may impact on the Proposed Scheme and provide sufficient baseline information to inform **Chapter 18 Geology and Soils** of the EIA Scoping Report.

## 1.3 SCOPE OF WORKS

1.3.1. To meet the objectives identified in **Section 1.2**, the following scope of works has been undertaken:

- Procurement of a Groundsure Report to include historical mapping;
- Review of available historical maps and plans to understand former land uses and potential contaminative activities on, and surrounding the Site;
- Review of relevant regulatory databases;
- Review of relevant publicly available information relating to hydrological features, hydrogeology, neighbouring land use, ecologically sensitive uses and geology in order to establish the environmental setting of the Site;
- Develop a preliminary conceptual site model via the source-pathway-receptor contaminant linkage approach;
- Describe the environmental risks and or opportunities surrounding ground, groundwater and ground gas conditions, which have the potential to arise associated with the future uses of the Site; and,
- Production of a Phase 1 PERA report.

1.3.2. At the time of writing, a Site walkover has not been undertaken for this Phase 1 PERA, and as such this report has been prepared solely on the basis of desk-based research.

## 1.4 LEGISLATIVE CONTEXT

1.4.1. The assessment was undertaken in the legislative context of:

- Part 2A of The Environmental Protection Act (1990);
- The National Planning Policy Framework (2023);
- Overarching National Policy Statement for Energy (2023); Stockton-on-Tees Borough Council – Local Plan – Adopted 30 January 2019;
- Contaminated Land Regulations (England), 2006 (amended 2012);

- The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017;
- Environmental Damage (Prevention and Remediation) (England) Regulations 2015;
- The Environmental Permitting (England and Wales) Regulations 2016;
- Control of Substance Hazardous to Health Regulations (COSHH) 2002;
- Control of Asbestos Regulations (CAR) 2012; and,
- Construction (Design & Management) Regulations (CDM), 2015.

1.4.2. The following good practice and statutory guidance was considered, and the assessment was undertaken in general accordance with:

- Environment Agency (EA) (2020 Updated July 2023) Land Contamination Risk Management (LCRM);
- CIRIA C552 ‘Contaminated Land Risk Assessment. A guide to good practice’ (2001);
- BS 10175 (2011 +A2:2017) Investigation of Potentially Contaminated Sites – Code of Practice;
- Department for Environment, Food and Rural Affairs (DEFRA), Contaminated Land Statutory Guidance April 2012; and,
- Yorkshire and Lincolnshire Pollution Advisory Group (YALPAG), Development on Land Affected by Contamination, Technical Guidance for Developers, Landowners and Consultants. Version 12.2, July 2023.

## 1.5 SOURCES OF INFORMATION

The following relevant sources of information presented in **Table 1-1** were used in the production of this report.

**Table 1-1 - Sources of Information**

Source	Report
<b>Site Specific Information</b>	<ul style="list-style-type: none"> <li>▪ Groundsure Enviro + Geo Insight (Ref: GSIP-2023-13564-13638) and Groundsure Insight Historical Ordnance Survey mapping (included in <b>Annex B</b> (based on the proposed Site boundary at the time the Groundsure Report was commissioned)<sup>1</sup>).</li> <li>▪ Zetica UXO Pre-Desk Study Assessment (PDSA), February 2024 (included in <b>Annex D</b>)</li> </ul>
<b>Public Information</b>	<ul style="list-style-type: none"> <li>▪ British Geological Survey (BGS) Onshore GeoIndex online viewer (logs included in <b>Annex C</b>)</li> <li>▪ Coal Authority Interactive Map viewer (viewed 01/02/24)</li> <li>▪ BGS 1:50,000 map, Sheet 33 Stockton Solid and Drift Geology</li> <li>▪ BGS 1:10,000 map, Sheet NZ52SW, Solid and Drift Geology</li> </ul>

<sup>1</sup> Since the Groundsure Enviro + Geo Insight and Groundsure Insight Historical Ordnance Survey mapping were obtained, minor amendments to the proposed Site boundary were made. However, it was considered that these changes were such that it would not change the output of the Groundsure Enviro + Geo Insight and Groundsure Insight Historical Ordnance Survey mapping.

	<ul style="list-style-type: none"> <li>▪ Environment Agency Catchment Data Explorer</li> <li>▪ DEFRA Magic Map website</li> <li>▪ Cranfield Soil and Agrifood Institute Soilscales</li> </ul>
<b>Notes:</b>	The report contains British Geological Survey materials ©NERC 2017 and Environment Agency information ©Environment Agency and database right.

## 1.6 UNDERSTANDING RISK

- 1.6.1. It is important to understand that any risks identified during a preliminary assessment, such as presented in this document, are perceived risks based on the information reviewed. A more detailed assessment of the actual risks can only be assessed following further detailed assessment of the ground conditions such as intrusive investigations.
- 1.6.2. The preliminary assessments presented herein are qualitative based on professional judgements following the review of available data and within the context of the existing/proposed use. Those risk categories presented (very low, low, low to moderate, moderate, high and very high) follow guidance presented in CIRIA Publication C552, Contaminated Land Risk Assessment – A Guide to Good Practice. CIRIA states that the risk levels should be based on an understanding of both the probability (likelihood) of a risk occurring and the magnitude of the potential consequence (severity) of a risk.
- 1.6.3. CIRIA defines four levels of probability and four levels of severity with relation to contaminated land, as presented in **Annex E**.

## 1.7 CONFIDENTIALITY AND LIMITATIONS

- 1.7.1. This report is addressed to and may be relied upon by the Applicant. The report may not be relied upon or transferred to any other parties without the express written authorisation of WSP. This report should be read in full. No responsibility will be accepted where this report is used, either in its entirety or in part by any other party.
- 1.7.2. Third party information used in the production of this report has been taken in good faith as being accurate. WSP cannot and will not accept any liability for errors and/or omissions in data provided by others and WSP cannot warrant the work of others.
- 1.7.3. General limitations of the assessment are included in **Annex F**.

## 2 SITE BACKGROUND INFORMATION AND SETTING

### 2.1 SITE DESCRIPTION AND CURRENT USE

- 2.1.1. A proposed Site boundary plan is provided in **Annex A**.
- 2.1.2. The completion of a geo-environmental walkover specifically in relation to production of this PERA was not undertaken. **Table 2-1** presents a summary of Site details based on publicly available information together with pertinent information provided within baseline sections of other environmental aspect chapters included within the Scoping Report.

**Table 2-1 - Summary of Site Details**

<b>Detail</b>	<b>Comment</b>
<b>Name and Address of Site</b>	Seal Sands Road/ Emergency Access Road and areas within the Teesside Gas Processing Plant, Seal Sands, Stockton-on-Tees, TS2 1UB.
<b>National Grid reference (NGR)</b>	NZ542244
<b>Site Description and Current Use</b>	The Site largely comprises currently vacant land (predominantly grassland) following the route of Seals Sands Road (publicly accessible) to the south and the emergency access road (inaccessible to the public) to the north. The Site encircles a large area which in part is occupied by existing industrial facilities and in part comprises vacant land. A small section of the Site in the south west includes an area which is currently occupied by Teesside Gas Processing Plant. Teesside Gas Processing Plant occupies a much larger area to the south west of the Site boundary and comprises a network of above ground infrastructure including a substation and pylons.
<b>Area</b>	Approximately 90.4 ha.
<b>On-site Activities</b>	There are limited current activities on Site. The Site, at surface, predominantly comprises vacant scrubland with existing roadways. Teesside Gas Processing Plant and substation are located in the southwest and existing pipeline corridors run along the line of Seal Sands Road and the emergency access road.
<b>Site Setting and Surrounding Land Uses</b>	<p>The Site is located in a heavily industrialised area of Teesside, surrounding industries predominantly comprise oil/bio oil terminals and storage, oil refineries, renewable energy facilities and associated below and above ground infrastructure (pipelines, roadways, rail lines and wharfs). The River Tees lies to the east and south east of the Site and Teesmouth National Nature Reserve lies to the north.</p> <p><b>North:</b> Oil storage facilities with multiple jetties within Seal Sands, Chemical Manufacturing facilities, the Teesmouth National Nature Reserve, the River Tees and Hartlepool Power Station.</p> <p><b>East:</b> Multiple tank farms, jetties and wharfs, vacant scrubland, River Tees and foreshore. Heavy industry to east of River Tees, including Teesport Docks.</p>

Detail	Comment
	<p><b>West:</b> Teesside Gas Processing Plant, industrial railway, Oil Refinery, Chemical Manufacturing facilities, brine fields. RSPB Saltholme to the south west.</p> <p><b>South:</b> Oil storage facilities with multiple jetties, Oil Refinery, Tees Industrial Substation, industrial railway, River Tees, and Renewable Power Station. Nature reserves to the south west.</p>
<p><b>Topography and Ground Cover</b></p>	<p>The eastern extent of the Site, situated along the River Tees consists of vacant scrub/grassland. Seal Sands Road comprises a tarmac road with grassy verges. Access has not been gained along the emergency access road, it is assumed it comprised hardstand with grassy verges.</p> <p>The Site is relatively flat with an elevation of approximately 2.0 to 6.0m Above Ordnance Datum (AOD). The peak elevation refers to notable embankments on Site. One embankment is located along the boundary with the River Tees, another is located in the northwest around the Teesside International Nature Reserve and lastly around a substation in the southwest. It is estimated that the northern extent of the Site lies at approximately 3m above the Seal Sands mudflats.</p> <p>There are some areas with hardstanding, predominantly the roads, substation area and the area within the Teesside Gas Processing Plant.</p>
<p><b>Boundaries</b></p>	<p>The entire Site is not accessible to the public, the following provides a summary of the key known boundaries:</p> <ul style="list-style-type: none"> <li>▪ North: Palisade fencing</li> <li>▪ East: River Tees</li> <li>▪ South: Palisade fencing (assumed)</li> <li>▪ West: Palisade fencing</li> <li>▪ Seal Sands Road and the emergency access road: The road is often bounded by chain link fence with concrete posts of various heights at various locations. The industrial facilities in the area appear to be self-contained with their own palisade fencing</li> </ul>
<p><b>Embankments &amp; Slopes</b></p>	<p>There are embankments located to the east along the boundary to the River Tees, northwest around the Teesside National Nature Reserve and lastly around a substation in the southwest.</p>
<p><b>Trees &amp; Vegetation (including invasive species)</b></p>	<p>The vacant areas of the Site appear to predominantly comprise scrub/grassland with some trees present in the northwest. <b>Chapter 7: Biodiversity</b> of the EIA Scoping Report provides a summary of the habitat observed during an ecological walkover of the Site undertaken in January 2024.</p>



### 3 HISTORICAL LAND USE

- 3.1.1. A review of historical Ordnance Survey (OS) maps (provided in the Groundsure Report, **Annex B**) has been undertaken with a summary provided below. Additional historical drawings detailing the reclamation of Seal Sands are provided in **Annex G**.
- 3.1.2. The OS maps (1856 – 1955) show the Site was previously sand and mud flats with some fluvial channels (Greatham and West Chanel) in the west and northwest prior to being reclaimed between 1955 and 1983. The land to the east along the River Tees although reclaimed, remained undeveloped and in its current state. By 1983, the Seal Sands Road had been constructed to the south along with an industrial railway and several pipelines running adjacent to the road from nearby oil terminals and oil storage facilities. The emergency road to the north and pylons were constructed by 1992. By 2001, areas of the Teesside Gas Processing Plant had been erected to the southwest and further developed by 2024.
- 3.1.3. A summary of the on-Site history is provided in **Table 3-1** and a summary of the off-Site history is provided in **Table 3-2**.

**Table 3-1 - Summary of on-Site land use**

Date	Land Use
1856 - 1894	The Site is predominantly sand and mud flats, with the River Tees forming the eastern boundary. The wider area that the Site is situated within is named Seal Sands.
1896	The Greatham Creek is shown to cross the northwest corner of the Site. West Channel joins Greatham Creek and is noted to run through the southwest of the Site.
1898 - 1967	No significant changes.
1969	The eastern portion of the Site is noted as a spoil heap. This is likely due to the reclamation on-Site. See <b>Annex G</b> for more in-depth drawings of reclamation. The historical drawings ( <b>Annex G</b> ) show that the reclaimed land is a mixture of river/estuarine dredgings and slag.
1978	Construction of an electrical substation in the southwest encroaching onto the Site. Power lines are present on-Site.
1981	A track was developed in the north of the Site in the position of the emergency access road.
1983	Construction of Seal Sands Road, an industrial railway and pipelines along the south and east of the Site.

Date	Land Use
1985	Construction of the emergency access road along the northern portion of the Site.
1987	Construction of pipe gantry in the northwest and northeast portions of the Site.
1993	No change
1994	Construction of a flare stack and small building in the southwest portion of the Site.
2001 - 2023	No significant change in land use. Changes in layout noted to neighbouring facilities.

- 3.1.4. Off site, the surrounding area were also previously undeveloped sand and mud flats which was also reclaimed between 1955 to 1983, except for the Port Clarence Rifle Range from 1896 to 1927 located approximately 300m to 500m west of the Site. By 1888, The former Port Clarence Rifle Range had been converted into a Brine Field, an electrical substation (adjacent to the southwest boundary of the Site), large industrial works have been constructed to the south and northwest such as the North Tees Works (oil refinery located 500m south of the Site), an unnamed oil refinery and oil terminal depot with jetties west and east of Seal Sands Road in the northeast. Since 1988, there have been no significant changes to the surrounding area.

**Table 3-2 - Summary of off-Site land use**

Date	Land Use
1856	The Site is predominately sand and mud flats. Greatham Creek intercepts the Site approximately 175m northwest.
1896	Port Clarence Rifle Range is located approximately 250m southwest of the Site. Brine wells are located approximately 650m and salt works are located 750m west of the Site.
1898	A fluvial stream (West Channel) is noted running through the west of the Site. A high-water mark for ordinary tides is shown approximately 50m west of the Site.
1916	No significant change.
1940	Marshland is present to the south of the Site.

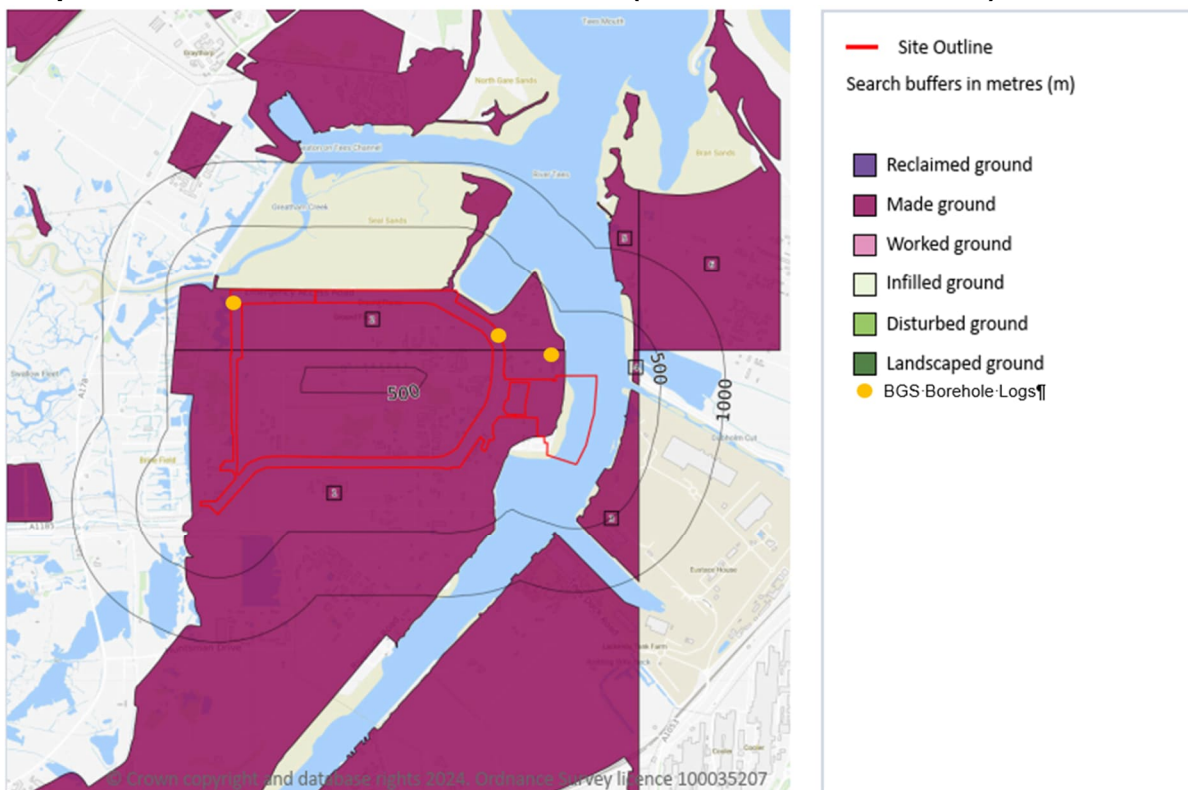
Date	Land Use
1967	Pipelines from the Brine Fields and other industries are present approximately 100m south and west. Two surface waterbodies are noted approximately 150m and 200m southeast and a larger surface waterbody is located to the immediate west. Brine Field is located approximately 150m west. Drains are located approximately 150m and 175m west. A brine reservoir is located immediately west of the high-water mark to the west of the Site.
1978-9	Construction of an electrical substation to the southwest encroaching onto the Site. Power lines are present on Site.  From approximately 1979 railway lines are shown running along the approximate route of Seal Sands Road and extending north along the eastern section of the Site.
1983	Construction of works to the south of the Site and north of the inner corner on the south west of the Site.
1984	Construction of works to the south of the Site.  Construction of works to the north of Seal Sands Road, and a fire station is also present to the north.
1987	Ground and flare stacks are noted to the south of the northern unnamed road.  Construction of oil refinery to the west and northeast of the eastern unnamed road. An oil terminal and jetty are present to the immediate northeast.
1988	North East Tees Works (Oil Refinery) is located approximately 500m south of the Site. An oil terminal is located to the immediate northeast of the Site.
1992	Construction of a pipe tunnel in the east of the Site, crossing the River Tees.
1993 - 2024	No significant change in land use. Changes in layout noted to individual facilities.

## 4 ENVIRONMENTAL SETTING

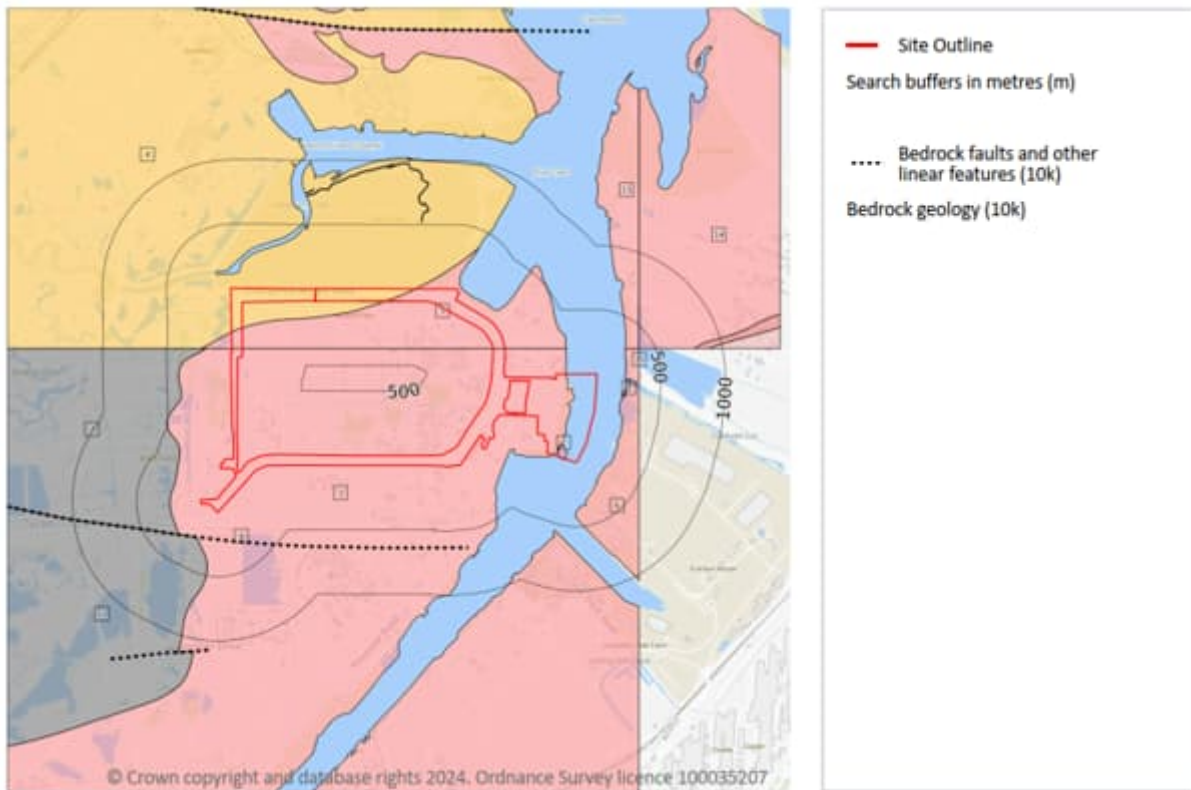
### 4.1 PUBLISHED GEOLOGY

- 4.1.1. BGS mapping indicates that artificial deposits of Made Ground are present across the entire Site and the wider area to the south of the Site. The 1:10,000 BGS map notes the Made Ground as reclaimed (Made) Ground on marine and estuarine alluvium. Available BGS borehole records (NZ52SW1077) along the eastern portion of Seal Sands Road indicate the depth of made ground in this area of the Site to be approximately 5.50m below ground level (bgl).
- 4.1.2. BGS mapping indicates the superficial geology beneath the entire Site consists of Tidal Flat Deposits comprising of sand, silt and clay. BGS borehole records indicate the superficial deposits to consist of sand to depths between 10.0m bgl and 11.0m bgl. BGS records (NZ52NW145\_H) in the west of the Site indicate superficial deposits of very loose silt to a depth of approximately 4.0m bgl, underlain by loose and medium dense sand to a depth of 10.05m bgl, overlying glacial till. The glacial till was proven between 10.1m to 28.1m bgl consisting of silty gravelly clays.
- 4.1.3. The majority of the Site is underlain by bedrock of the Mercia Mudstone Group, the north and northwestern portion of the Site is underlain by the Sherwood Sandstone Group. The BGS borehole record (NZ52NW145\_H) in the west portion of the Site records siltstone at 28.5m bgl.
- 4.1.4. Extracts from the Groundsure Report are provided as **Graphic 4-1** and **Graphic 4-2**. **Graphic 4-1** shows the extent of known Made Ground with selected BGS borehole record locations shown in orange (logs discussed below) and the extent of bedrock deposits and faulting is shown on **Graphic 4-2**.

**Graphic 4-1 - Extent of Known Made Ground (Extract from Groundsure)**



**Graphic 4-2 - Extent of Bedrock (Extract from Groundsure)**



4.1.5. BGS borehole records that are available online (BGS Onshore GeoIndex) have been reviewed. There have been various boreholes undertaken across the Site, however, the majority of them are confidential with only three were viewable. Three borehole records have been provided in **Annex C** and the location can be seen on **Graphic 4-1**, have been selected to represent the spatial extent of the Site. The strata recorded in these logs is detailed as follows:

- Log 1 (NZ52SW238/A) located on Site, within the eastern portion of the Site. This borehole recorded approximately 16m m of superficial deposits comprising:
  - Silt (0.61m thick), sand (8.53m thick), sand and gravel (2.13m thick)
  - Laminated clay (0.84m thick), boulder clay (3.66m thick, base not encountered)
- Log 2 (NZ52SW1077) located on Site, slightly west of Seal Sands Road. This borehole was 6.00m in depth, comprising:
  - Made Ground to 5.5mbgl comprising:
    - Sand (0.50m thick), mottled clay/sand (2.50m thick), sand (1.60m thick)
    - Organic clay/silt (0.90m thick)
  - Silty sand (0.50m thick, base not proven)
  - Pungent odour below 3.00m bgl (described in situ and “sweet odour”)
  - Standing water recorded at 2.60m bgl in saturated sand.

- Log 3 (NZ52NW145/H) is located on Site, along the emergency access road. This borehole was 28.35m in depth, comprising:
  - Very loose black sandy silt (3.95m thick);
  - Loose and medium dense sand (6.10m thick);
  - Laminated silty clay (3.20m thick) – noted as Glacial Till;
  - Loose and medium dense sand (1.35m thick), Loose and medium dense sand with gravel and cobbles (3.05m thick) – noted as Glacial Till;
  - Very stiff boulder clay (9.75m thick) – noted as Glacial Till); and
  - Siltstone with gypsum veins (0.30m thick, base not proven) – noted as Keuper Marl.

## 4.2 MINING, GROUND WORKINGS AND NATURAL CAVITIES

- 4.2.1. A review of the Coal Authority Interactive map viewer available online indicates the Site does not lie within a Coal Mining Reporting Area. The risk from coal mining related features is therefore considered to be negligible.
- 4.2.2. The Groundsure report (**Annex B**) records the following mining, ground working and natural cavity related features on or within 250m of the Site:
- One Britpit located 124m west of the Site. The commodity is listed as salt.
  - One Surface Ground Working is listed within the Site boundary, this feature is noted as a water body and largely located off Site to the immediate west, a small portion extends into the north western corner of the Site. An additional 26 Surface Ground Workings are listed between 50-250m of the Site, variously noted as ponds, unspecified pits and water bodies.
  - One tunnel located on associated with the pipeline crossing the River Tees.
  - Three historical mineral planning areas, nearest is located 23m southwest of the Site (Cassel Works, surface mineral working relating to salt/brine).
  - The area to the immediate south and west of the Site is shown as Saltholme Brinefield, an area where small scale non coal mining may be possible, the commodity is listed as salt-brine. This area encroaches slightly into the western extent of the Site.

## 4.3 HYDROGEOLOGY

### AQUIFER STATUS

- 4.3.1. According to the Groundsure report the superficial Tidal Flats deposits are classified as a Secondary Undifferentiated Aquifer and the underlying bedrock is classified as a Secondary B Aquifer (Mercia Mudstone Group (MMG)) and a Principal Aquifer (Sherwood Sandstone Group (SSG)).
- 4.3.2. The Groundsure report classifies the superficial and bedrock deposits as high vulnerability which are deposits that can easily transport pollution to groundwater. The Site does not lie in a groundwater source protection zone.
- 4.3.3. The Site is located within the Tees Sherwood Sandstone Groundwater catchment.

### GROUNDWATER ABSTRACTIONS

- 4.3.4. There are no recorded active groundwater abstractions on or within 250m of the Site.

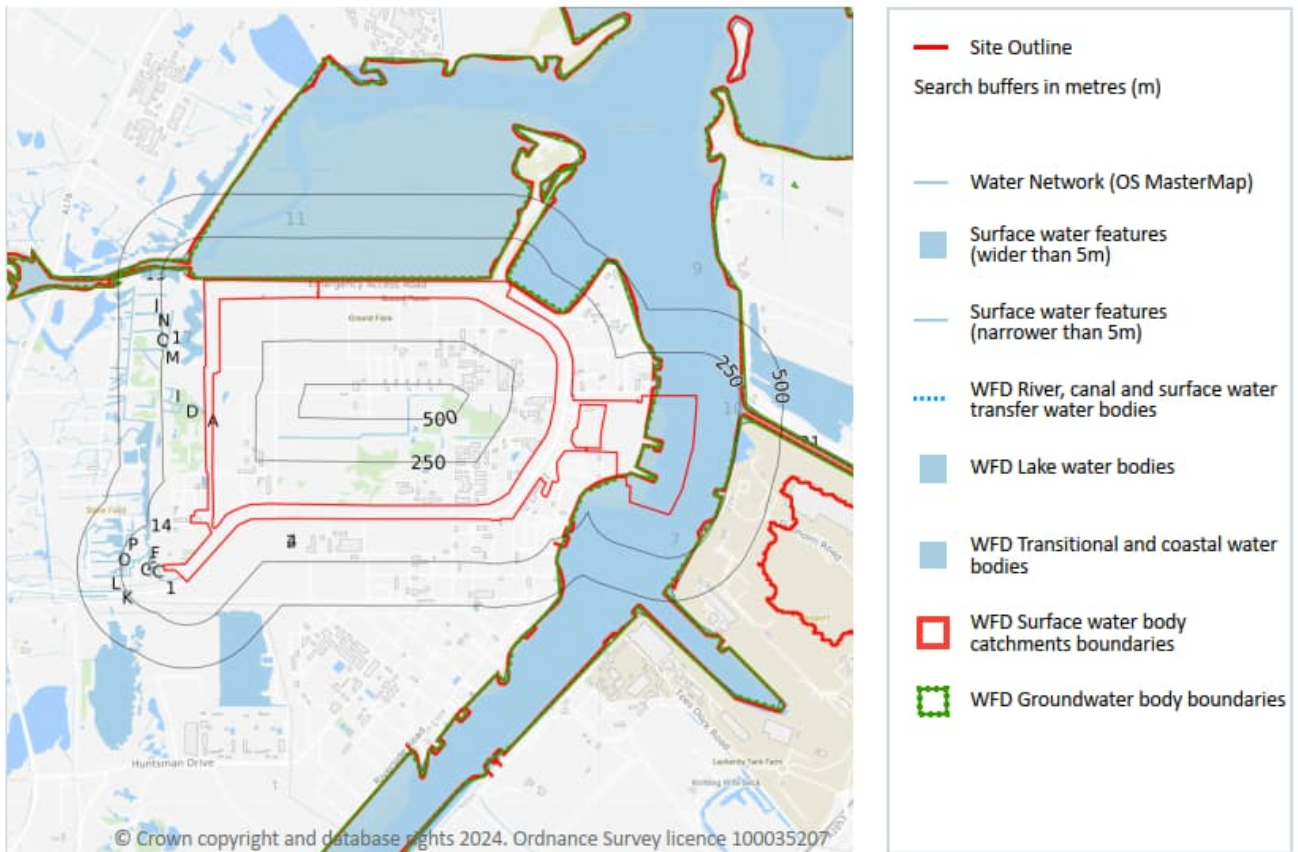
- 4.3.5. A Brine Field is situated 80m southwest of the Site and influence from abstractions should be considered when assessing likely groundwater flow direction as large-scale abstractions can influence local groundwater flow directions.
- 4.3.6. The Water Framework Directive (WFD) classifies the SSG as having a good chemical and overall rating and the MMG as having a poor chemical and overall rating.

## 4.4 HYDROLOGY

### SURFACE WATER FEATURES

- 4.4.1. The closet waterbody is the River Tees which is located immediately north and east of the proposed scheme. The Greatham Creek which used to intercept the northwest of the Site prior to reclamation of the land is located approximately 200m northwest of the Site.
- 4.4.2. Several unnamed surface waterbodies are recorded immediately adjacent to the Site boundary. There are two inland waterbodies adjacent to the Site in the northwest and southwest. These are not likely to be influenced by normal tidal action. **Graphic 4-3** shows surface water features surrounding the Site.

**Graphic 4-3 - Surface Water Features (Extract from Groundsure)**

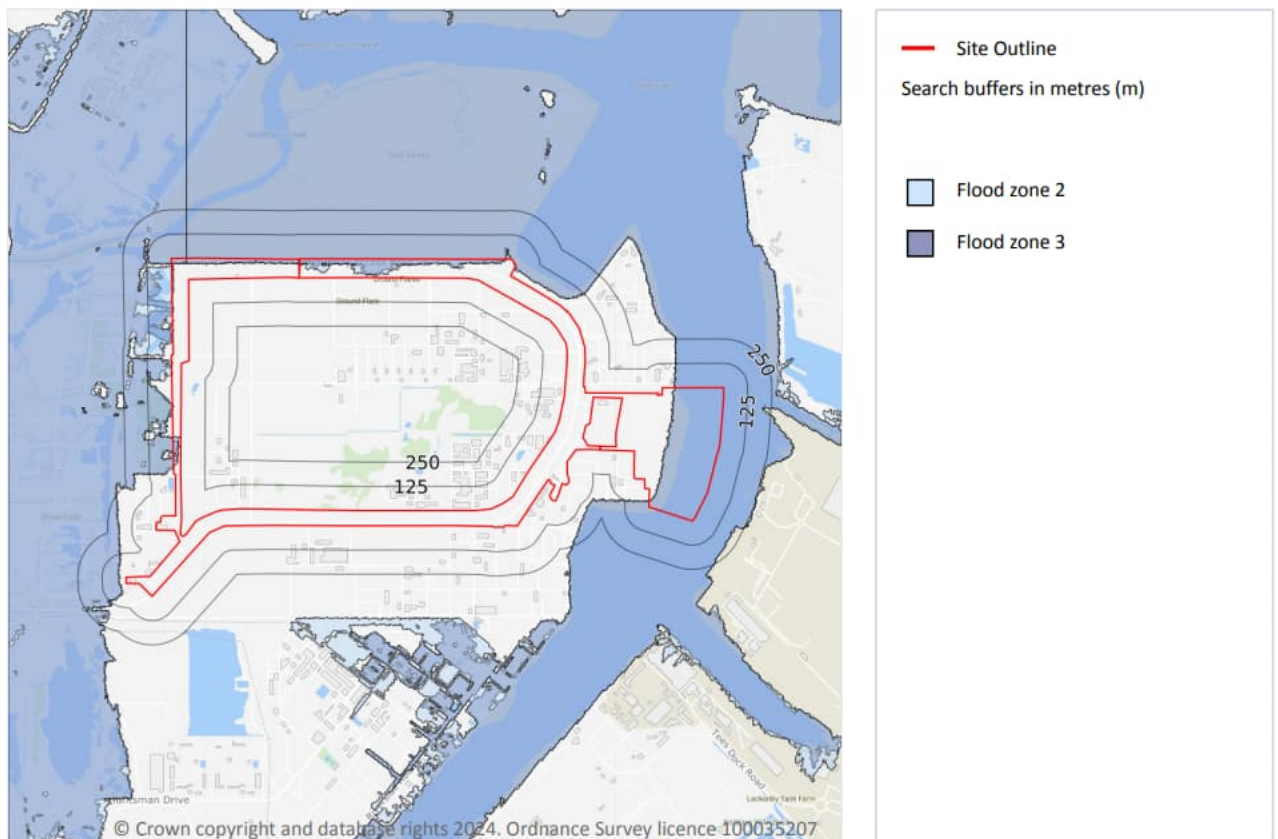


- 4.4.3. According to the Groundsure report the River Tees is classified under the WFD as chemical rating (fail) and ecological rating (moderate) with an overall rating of moderate.
- 4.4.4. There are no surface water abstractions within 250m of the Site.

## 4.5 FLOODING

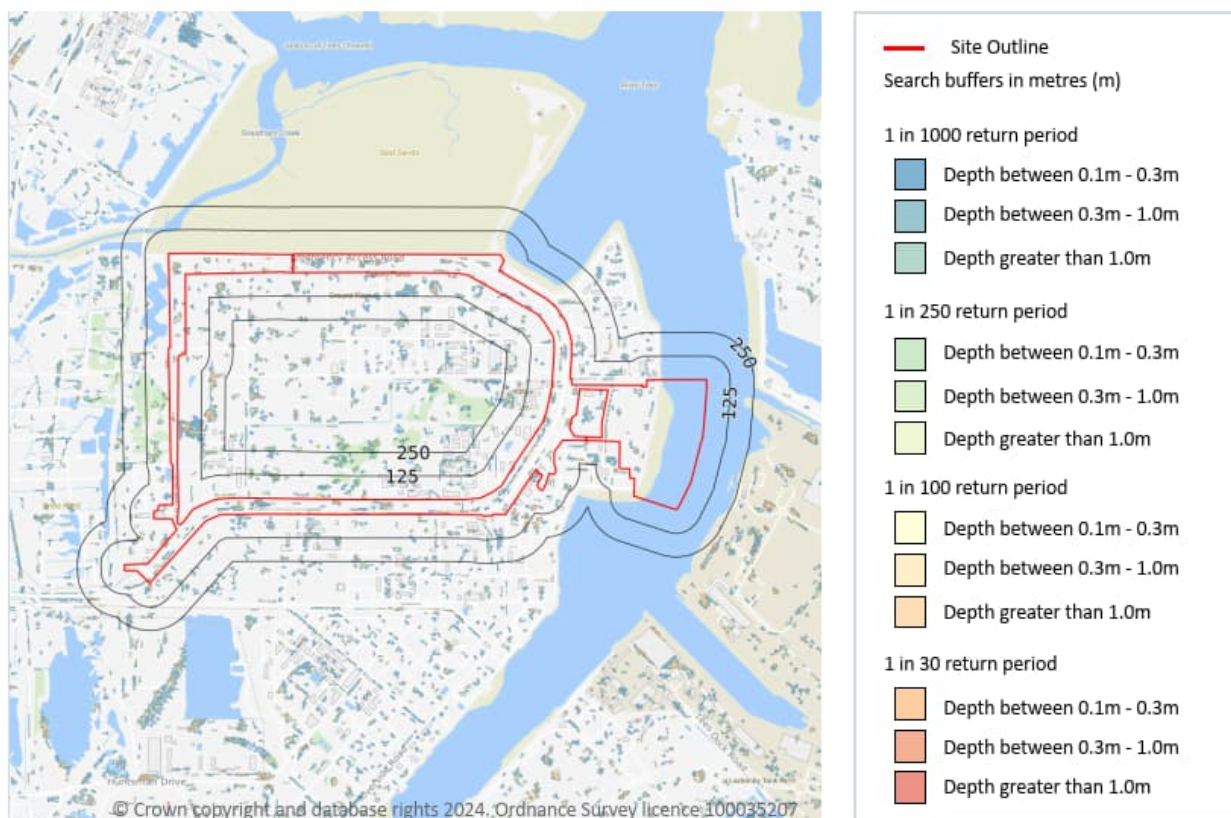
- 4.5.1. **Graphic 4-4** indicates the recorded flood zones at the Site for rivers and coastal flooding and **Graphic 4-5** shows the recorded extent of surface water flooding.
- 4.5.2. Land within flood zone 2 is defined as “Land having between a 1% and 0.1% annual probability of river flooding; or land having between a 0.5% and 0.1% annual probability of sea flooding”.
- 4.5.3. Land within flood zone 3 is defined as “Land having a 1% or greater annual probability of river flooding; or Land having a 0.5% or greater annual probability of sea” or “land where water from rivers or the sea has to flow or be stored in times of flood”.
- 4.5.4. The Site contains Flood defences in the north and east which are approximately 3m above sea level.

**Graphic 4-4 - River and Coastal Flooding – Flood Zones (Extract from Groundsure)**





**Graphic 4-5 - Surface Water Flooding (Extract from Groundsure)**



## 4.6 PRELIMINARY HYDROGEOLOGICAL MODEL

- 4.6.1. Groundwater is potentially shallow (previously recorded in NZ52SW1077 at 2.6m bgl) across the Site given the proximity of the River Tees. Therefore, perched water within Made Ground or shallow groundwater within the superficial deposits is potentially in hydraulic connection with the river. There is potential that underlying glacial clay could mitigate against vertical migration of water into the underlying Principal Aquifer in the bedrock.
- 4.6.2. The presence of a Brine Field (to be confirmed whether active or not) to the northwest of the Site could potentially impact on the piezometric surface across the wider local area if significant volumes of water are abstracted, however, this would only impact deep groundwater located within the bedrock.

## 4.7 CLIMATE CHANGE

- 4.7.1. The following section has been prepared in line with the Society of Brownfield Risk Assessment (SoBRA) guidance<sup>2</sup> for the assessment of risks to controlled waters from future climate change. An overall conservative approach has been applied in consideration of 'far future' projections (to 2100) alongside the worst case scenario using Representative Concentration Pathway 8.5 (RCP8.5 Scenario), reflective of 'business as usual' with regards climate change, i.e. no measures in place to reduce the effects of climate change

<sup>2</sup> Society of Brownfield Risk Assessment (SoBRA), August 2022. Guidance on Assessing Risk to Controlled Waters from UK Land Contamination Under Conditions of Future Climate Change.

## FUTURE CLIMATE CHANGE UNDER RCP8.5 SCENARIO

### Sea Level Rise/Flood Risk

- 4.7.2. The Site extends into the River Tees Estuary, which enters the North Sea approximately 3km to the northeast and is at an elevation approximately 2.0m to 6.0m AOD. Under RCP8.5 sea level along the coast in proximity to the Site is projected to rise by 0.30m - 0.90m by 2100 which could result in parts of the Site flooded by the sea, in particular the northern section of the Site (Emergency Access Road) and the vacant, eastern extent of the Site during spring tides or storm surges.
- 4.7.3. The northern section of the Site (along the emergency access road) is partially located within Flood Zone 2/3 indicating it is at an increased risk of flooding from rivers and the sea. Note that climate change may result in changes to the frequency of extreme weather events and associated flooding.

### Projected Changes to Groundwater Level

- 4.7.4. The Site is located within the Tees Sherwood Sandstone Groundwater catchment which falls under the WFD definition of groundwater body. The Enhanced Future Flows and Groundwater (eFLaG) project far-future (2050-2079) projections for groundwater recharge within this catchment report lows of 0.003mm/day to 0.095mm/day in the summer and highs of 0.589mm/day – 0.795mm/day in the winter months with an overall increase of 3%. This indicates potential future increases in groundwater level, at least during winter, relative to the current baseline.

## 4.8 UNEXPLODED ORDNANCE

### ZETICA PRE-DESK STUDY ASSESSMENT

- 4.8.1. A Zetica unexploded ordnance (UXO) PDSA (dated 5th February 2024, provided in **Annex D**) recorded significant World War II military activity and bombing in close proximity to the Site, it was also a strategic target during World War I however no bombing was identified.
- 4.8.2. The PDSA notes that Seal Sands was previously used as a practice bombing range for the Royal Air Force (RAF) Coastal Command. The area also contained one Civil QL/QF (C Series) bombing decoy to deflect bombing on Middlesbrough. The district of Billingham (nearby town) officially recorded 221 High Explosive bombs with a bombing density of 28.1 bombs per 405ha.
- 4.8.3. Based on the findings of the PDSA Zetica recommended that a detailed desk study to be commissioned to assess and potentially zone UXO hazard level at the Site.

### EXISTING DETAILED UXO DESK STUDIES

- 4.8.4. Two detailed desk studies for separate areas of the Site have been commissioned previously and are provided in **Annex D**. P1297/08/R1/B covers the eastern section of the Site and P4680-14-R1-A covers a section of the River Tees.
- 4.8.5. The report for the eastern Site identified the region had been bombed during WWII and decoys were planted immediate west of the Site. Zetica deemed the area was Low risk providing suitable measures are taken, especially if piling.
- 4.8.6. The report for the River Tees identified that the study area was Low to Moderate risk. The Moderate Risk area is located south of the Site and the Low risk is adjacent to the Site.

## 4.9 RADON

- 4.9.1. The Groundsure report indicates that the Site lies within a lower probability radon area where less than 1% of properties are at or above action level. Radon protection measures are therefore not required in the construction of new buildings.

## 4.10 GROUND STABILITY

- 4.10.1. Ground stability hazards identified within the Groundsure report are summarised in **Table 4-1**.
- 4.10.2. The Site is located on the outskirts of an extensive brine field. The brine field is situated predominantly to the west of the Site with brine wells and salt works recorded nearby, the brine field extends marginally into the western section of the Site.

**Table 4-1 - Natural Ground Stability Hazards**

<b>Stability Hazard</b>	<b>Risk Level (within 50m of the Site)</b>
Potential for collapsible deposits	Negligible
Potential for compressible deposits	Majority of the Site – Very Low Eastern Site extent (River Tees) - Moderate
Potential for dissolution	Negligible
Potential for landslides	Very Low
Potential for running sands	Majority of the Site – Very Low Eastern Site extent (River Tees) - Moderate
Potential for shrink/ swell clays	Very Low

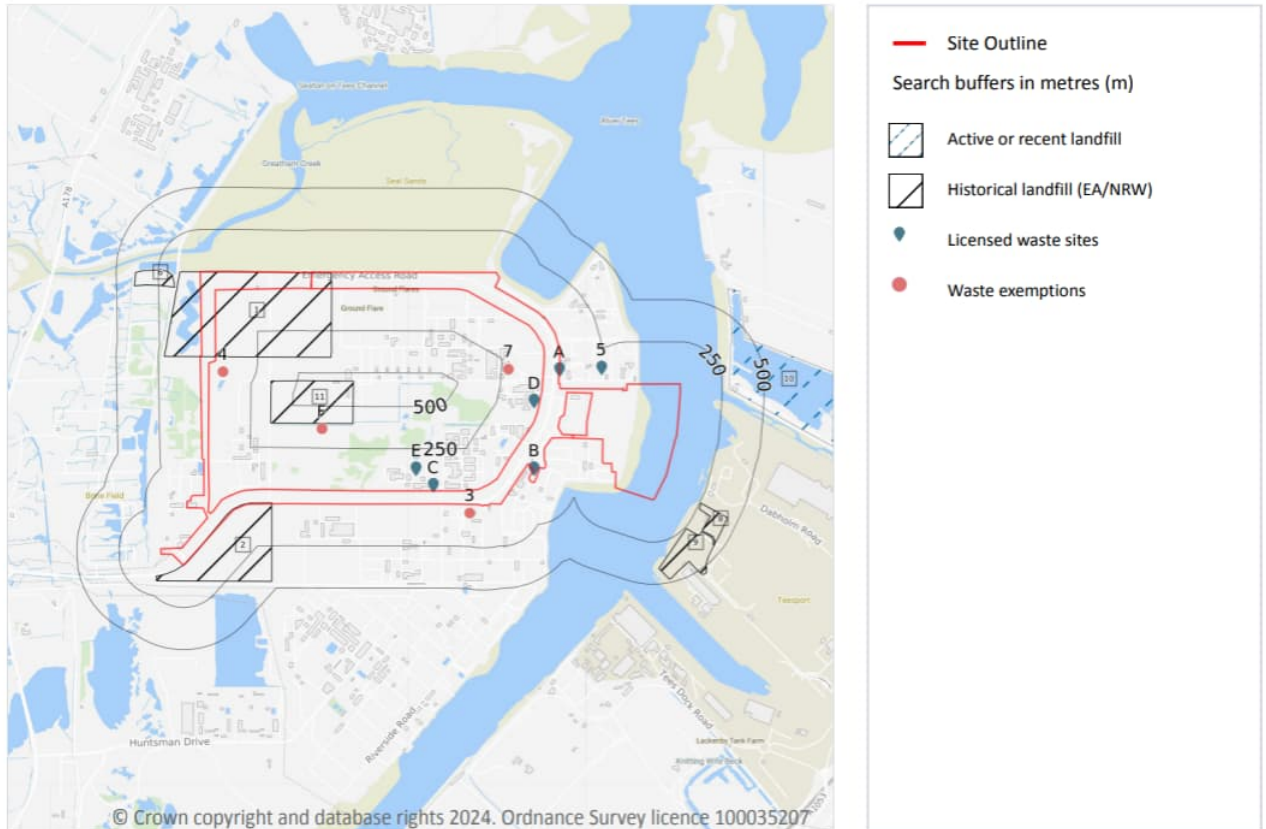
## 4.11 LANDFILLS AND WASTE MANAGEMENT SITES

### LANDFILLS

- 4.11.1. There are no active or recent landfills listed on, or within 250m of, the Site. The nearest landfill is listed as follows:
- York Potash Processing & Ports Limited (291m east of the Site, to the east of the River Tees). Listed as ‘Other Landfill Site taking Special Waste’.
- 4.11.2. The Groundsure report records the following historical landfills on, or within 250m of, the Site. The extent of the historical landfills on and within 250m of the Site are shown in **Graphic 4-6**.
- Seal Sands, North Bank (on Site, northwest corner) received inert and industrial waste. Last recorded waste input indicated as occurring in 1989.

- South of the Seal Sands Road (shown to be off Site, northern extent may potentially encroach into the Site) received inert, industrial and commercial waste. Last recorded waste input indicated as occurring in 1978;
- Seabanks Lagoon Site (156m west of the Site) received inert and industrial waste. Last recorded waste input indicated as 1979.

**Graphic 4-6 – Historical Landfills (Extract from Groundsure)**



## WASTE MANAGEMENT SITES

4.11.3. The Groundsure Report records a total of 7 licenced waste sites on the Site (some appear to pertain to the same facility) and a further 11 within 250m of the Site:

- Seal Sands Storage Facility (on-Site, or to the immediately east) – stated to be an in-house storage facility.
- Vopak Terminal (immediately south) – stated to be an in-house storage facility.
- Teesside Site (31m south of the Site) – stated to be an in-house storage facility.
- Seal Sands (34m east of the Site) – stated to be an in-house storage facility.
- Seal Sands Storage (126m east of Site) – stated to be an in-house storage facility.
- Lundbeck Pharmaceuticals (131m southwest of the Site) – stated to be an in-house storage facility.

## 5 REGULATORY INFORMATION AND CONSULTATION

### 5.1 REGULATORY DATABASE

5.1.1. The Groundsure report (**Annex B**) includes information and data collected from several organisations including the Environment Agency, the Local Authority, the British Geological Survey, DEFRA and Health and Safety Executives (HSE). **Table 5-1** summarises this information.

**Table 5-1 - Summary of Database Searches**

Descriptor	On-site	0-50 m	50-250 m	Details
Recent Industrial Land Uses	16	61	475	<p>On-site features include travelling cranes and gantries, electricity substation, a telecommunications mast and a pylon.</p> <p>Off-site features include tanks, gantries, gas governors, telecommunications masts, pylons, electricity substations, flare stacks, chimneys and 'works'.</p>
Gas Pipelines	1	0	1	On-site pipeline owned by National Grid. Pipeline Diameter (mm): 900. Borders the southwest boundary of the Site.
Control of Major Accident Hazards (COMAH)	19	1	1	Includes current COMAH, Historical COMAH and Historical NHHS sites.
Hazardous substance storage/usage	6	8	26	<p>It is noted that six are listed on site, these records appear to relate to existing facilities adjacent to the Site.</p> <p>Storage of up to 100000 tonnes of petrol and other petroleum spirits within the facility.</p> <p>Storage of up to 306.4 tonnes of LPG, 7500 tonnes per day (4 million standard cubic feet per day) and 232 tonnes of natural gas liquids within the facility.</p> <p>Increased storage of North Sea gas products within the facility.</p>
Historical licensed industrial activities (IPC)	187	0	39	<p>Although 187 historical IPC records are listed on Site, these records appear to relate to facilities adjacent to the Site rather than within the Site boundary.</p> <p>IPC records relate to combustion processes, petroleum processes, gasification and associated processes, manufacture and use of organic chemicals, processes involving halogens,</p>

Descriptor	On-site	0-50 m	50-250 m	Details
				incineration, and acid processes from various operators.
Licensed industrial activities (Part A(1))	8	55	252	Sewage and Trade – unspecified on Site and the receiving water is the River Tees.
Licensed pollutant release (Part A(2)/B)	1	0	0	Chemical and acid processes on Site.
Radioactive Substance Authorisations	0	1	7	Closest record was 41m south of the Site at CATS Terminal, Seal Sands Road, TS2 1UB. The records over 50m are for the disposal of radioactive waste.
Licensed Discharges to controlled waters	8	5	102	Sewage and Trade – unspecified on Site and the receiving water is the River Tees.
Pollutant release to surface waters (Red List)	1	0	0	Discharge type is noted as basic industrial chemicals, organic by Shanks & McEwan (Southern Waste).
List 1 Dangerous Substance	3	0	3	One on-Site active substance reported as Mercury (other), Cadmium, Chloroform, 1,2-dichloroethane from Laporte Industries.
List 2 Dangerous Substance	4	0	1	Two active on-Site substances reported as Benzene, Toluene, Xylene from Shanks Chemicals Services Lyd and Lundbeck Pharmaceuticals
Pollution Incidents (EA/NRW)	3	1	8	<p>First incident occurred on 26/07/2001, pollutant recorded as other pollutant. The incident had a minor impact on water (Category 3) and no impact on land and air impact (Category 2).</p> <p>Second incident occurred on 05/09/2003, the pollutant was recorded as an atmospheric pollutant. The incident had minor impact on air and no impact on land and water.</p> <p>The third incident occurred on 08/09/2003, the pollutant was acids. The incident had no impact to land, water and air.</p>
Pollution inventory substances	0	14	23	The closest is 2m north of the Site at ConocoPhillips (U.K.) Teesside Operator Limited listed the following substances for stabilised crude petroleum: Benzene, Xylene (all isomers), non-volatile organic compounds, tetrachloroethylene,

Descriptor	On-site	0-50 m	50-250 m	Details
				nitrogen oxides (NO and NO <sub>2</sub> ) as NO <sub>2</sub> , zinc, carbon dioxide, total organic carbon, nickel, particulate matter, carbon monoxide, methane, mercury, arsenic, cadmium, chromium, copper, lead, ethylbenzene, and sulphur oxides (SO <sub>2</sub> and SO <sub>3</sub> ) as SO <sub>2</sub> , toluene. All the substance above are being released into the air, wastewater or both, all of the above have quantities and reporting thresholds.
Pollution inventory waste transfers	0	1	5	The closest is 2m north of the Site at ConocoPhillips (U.K.) Teesside Operator Limited listed the following: Storage of wastes pending of operations (sludges from on-Site effluent treatment), recycling/ reclamation of inorganic and organic materials (gypsum based construction materials, mixtures of inert materials, wood, mixed metals, metallic packaging, septic tank sludge, paper and cardboard, discarded electrical equipment, etc).

## 5.2 PLANNING HISTORY

5.2.1. A review of the Local Authority planning portal identified a number of planning applications within the vicinity of the Site relating to the Site. A summary of the environmentally pertinent applications is presented below:

- Installation of an underground condensate gas pipe, Navigator Terminals Seal Sands Middlesbrough (23/1156/FUL) – Approved with Conditions on 22/08/23.
- Development of Greenergy Renewable Fuels and Circular Products Facility comprising a Sustainable Aviation Fuel Plant and Tyre Plant and associated infrastructure. A temporary construction laydown area, proposed services corridor, pipe bridge, ancillary buildings and car parking | Land West Of Epax Pharma U K Limited North South Access Road Seal Sands TS2 1UB (23/1019/EIS) – Approved with Conditions on 06/11/23.
- Hazardous Substances Consent to store Gas Condensate in Tank 154, Navigator Terminals North Tees Ltd Huntsman Drive Seal Sands Middlesbrough TS2 1TT (23/0006/HAZ) – Approved with Conditions – 08/06/23.
- Erection of an energy recovery facility and associated infrastructure for fuel receipt and storage, power generation, power export, process emissions control, maintenance, offices and car parking together with associated operations, Land At Seal Sands Billingham (22/1525/EIS) – Awaiting decision.
- Scoping opinion request for proposed waste to fuel (WtF) facility at Reclamation Pond, Tees Valley Energy From Waste Site 1 Huntsman Drive Seal Sands Middlesbrough TS2 1TT (22/1041/SOR) – Scoping Opinion Issued – 07/06/22.
- Scoping request for proposed energy recovery facility and associated development, Seneca Global Energy Seal Sands Road Seal Sands TS2 1UB (22/0525/SOR) - Scoping Opinion Issued – 04/04/22.

## 5.3 SENSITIVE LAND USES

5.3.1. The sensitive land uses recorded on, or within 250m of, the Site are presented in **Table 5-2** and their extent is illustrated on **Graphic 5-1**.

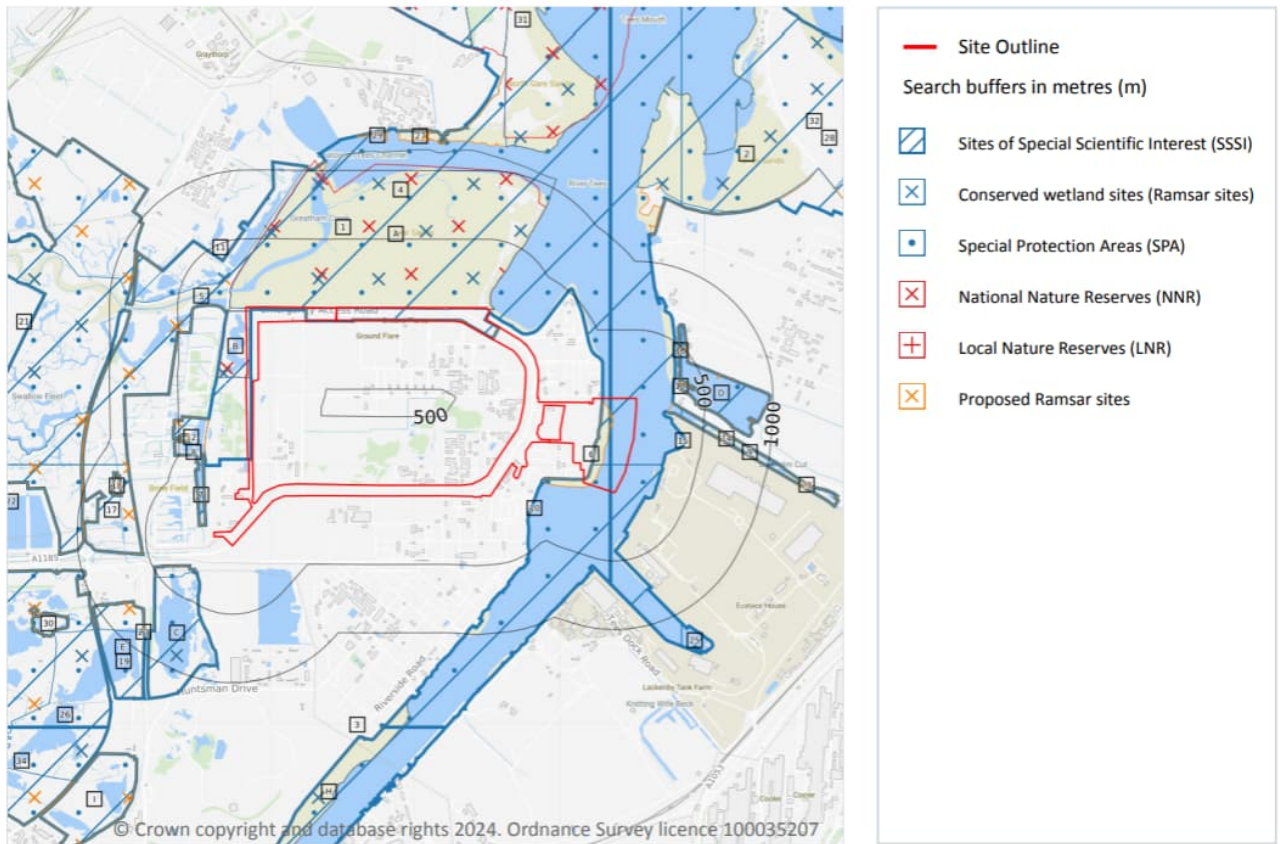
**Table 5-2 - Sensitive Land Uses**

On Site / Off Site	Land Use	Name	Details
<p>On Site – Northern section and River Tees</p> <p>Off Site - Covers a wider area to the north, east and west of the site including the River Tees.</p>	<p>Sites of Special Scientific Interest</p>	<p>Teesmouth and Cleveland Coast.</p>	<p>The emergency access road is shown to fall within the Teesmouth and Cleveland Coast SSSI. The section of the River Tees within the Site boundary also lies with the SSSI.</p> <p>The Teesmouth and Cleveland Coast SSSI, measuring approximately 2,960 ha incorporates a large area of the coastline, River Tees and adjoining coastal and freshwater habitats. It is of special interest for the following nationally important features that occur within and are supported by the wider mosaic of coastal and freshwater habitats. These include Quaternary and Jurassic geology, salt marshes, breeding harbour seals, assemblage of breeding birds especially the avocet, little tern and common tern, a diverse assemblage of birds of more than 20,000 during non-breeding season and a diverse assemblage of invertebrates associated with sand dunes.</p>
<p>On Site - Northern section and River Tees</p> <p>Off Site - Covers a wider area to the north and west of the site.</p>	<p>Conserved wetland site (Ramsar)</p>	<p>Teesmouth and Cleveland Coast.</p>	<p>Medium to large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much modified by human activities. Together these habitats support internationally important numbers of waterbirds</p>



On Site / Off Site	Land Use	Name	Details
<p>On Site - Northern section and River Tees</p> <p>Off Site - Covers a wider area to the north and west of the site including the River Tees.</p>	Special Protection Areas	Teemouth and Cleveland Coast	<p>Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets</p>
<p>On Site Northern section</p> <p>Off Site – Covers Seal Sands to the north.</p>	National Nature Reserve (NNR)	Teemouth	<p>Split into two areas Seal Sands and North Gare. The Site is situated in the Seal Sands area, which is one of the largest areas of intertidal mudflats on England’s north-east coast. When the tide is out, hundreds of waders, including redshank and dunlin. The area is also home to a colony of harbour seals which breed there every summer. It is the only regular breeding colony of these animals on England’s north-east coast.</p>

**Graphic 5-1 – Environmental Designations (Extract from Groundsure)**



### AGRICULTURAL LAND CLASSIFICATION

5.3.2. As shown on DEFRA Magic Maps and within the Groundsure Report, the majority of the Site is classified as urban with a small area in the northwest and southwest classified as Grade 5 (very poor quality).

### ECOLOGY AND ARCHAEOLOGY

5.3.3. The NPPF and National Policy Statement for Energy both indicate that consideration should be given to ecology and archaeology as part of planning policies and decisions made in relation to design and construction considerations. In this instance, it is assumed that these elements will be covered by others under separate reports.

## 6 PRELIMINARY CONCEPTUAL SITE MODEL

### 6.1 INTRODUCTION

- 6.1.1. The Conceptual Site Model (CSM) is based upon the environmental setting of the Site as described in the previous sections. The methods used in this assessment followed a risk-based approach with the potential environmental risk assessed qualitatively using the ‘source-pathway-receptor’ contaminant linkages concept introduced in the guidance document (principally the Environment Agencies LCRM Guidance) on the practical implementation of the Environmental Protection Act 1990.
- 6.1.2. Environmental risk can be defined as the combination of the consequence of a harmful effect and the probability of its occurrence. The existing of a contaminant linkage is primarily dependant on the usage and environmental conditions across the Site and surroundings.
- 6.1.3. The environmental risk assessment has been carried out identifying and evaluating the significance of the following:
- Potential Sources of Contamination: these include any historical or recent activities located either on or in the vicinity of the Site which may present potential sources of Contaminants of Concern (CoC);
  - Potential Pathways: these are the routes or mechanisms by which CoC may migrate from the source to the receptor; and,
  - Potential Receptors: these include current or future land users, activities or persons at the Site that could be harmed by CoC.

### 6.2 POTENTIAL SOURCES OF CONTAMINATION

- 6.2.1. **Table 6-1** provides a summary of the potential sources of contamination that may be present at the Site, as well as the likely distribution of such sources.

**Table 6-1 - Potential Sources of Contamination**

Potential Source	Potential Contaminants of Concern	Likely /Anticipated Distribution
Made Ground used to reclaim the Site and surrounding area	Asbestos, heavy metals, inorganics, Poly Aromatic Hydrocarbons (PAH), Total Petroleum Hydrocarbons (TPH), Benzene Toluene Ethylbenzene Xylene (BTEX), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOC) ground gases (methane and carbon dioxide).	Site wide
Hazardous ground gases and vapours from Made Ground and potentially surrounding contaminated land from nearby industries.	Methane, carbon dioxide, VOCs.	Site wide

Potential Source	Potential Contaminants of Concern	Likely /Anticipated Distribution
Contamination (soil/ groundwater) from past fuel /chemical spills on- and off-Site from current and historical activities.	Heavy metals, inorganics, PAH, TPH, BTEX, VOCs, SVOCs, landfill gases	Site wide
Landfill – inert and industrial waste	Heavy metals, inorganics, PAH, TPH, BTEX, VOCs, SVOCs, landfill gases	Northwest corner

## 6.3 POTENTIAL PATHWAYS

6.3.1. In the context of the Proposed Scheme the following potential exposure or migration pathways associated with the identified potential source(s) have been identified:

- Pathways to Human Health receptors:
  - Direct contact with soils and shallow groundwater;
  - Ingestion of dusts/soil particles;
  - Inhalation of dusts and fibres (on- and off-Site receptors); and
  - Inhalation of hazardous ground gases/vapours (on- and off-Site receptors)
- Pathways to Controlled Water receptors:
  - Leaching of contaminants through the unsaturated zone and subsequent impact to groundwater within the underlying aquifers; and
  - Lateral migration of contaminants within groundwater and subsequent impact of surface water receptors.
  - Vertical migration from piling during construction.
- Pathways applicable to Site infrastructure:
  - Direct contact with contaminants (e.g. sulphates and hydrocarbons) in the soil and groundwater with below ground structures (underground potable water pipes and buried concrete); and
  - Accumulation of hazardous gases within below ground structures in the future development (explosive risk).

## 6.4 POTENTIAL RECEPTORS

6.4.1. In the context of the future Proposed Scheme, the following potential receptors were identified:

- Human Health
  - Future Site users;
  - Construction workers and future maintenance workers; and,
  - Neighbouring Site users including members of the public.
- Controlled Waters
  - Shallow groundwater within the superficial deposits (Secondary Undifferentiated);

- Groundwater in bedrock (Secondary B and Principal Aquifer); and
  - Surface water in the River Tees.
  - Estuarine, river and marine ecology living within the SSSI and wider Teesmouth and Cleveland Coast.
- Services and Building Fabric
    - Future below ground services (e.g. potable water supply pipes); and,
    - Future below ground structures.

## 6.5 PRELIMINARY CONCEPTUAL SITE MODEL

- 6.5.1. The CSM identifies the potential contamination sources, receptors, and the exposure pathways by which they may be linked. A Source-Pathway-Receptor linkage (SPRL) is present if a viable pathway exists between a potential source and an identified receptor.
- 6.5.2. The CSM includes potential risks which may exist during the construction and maintenance of the Proposed Development. However, it is assumed that mitigation procedures during construction will be implemented in accordance with a Code of Construction Practice (CoCP) and future maintenance will be implemented in accordance with appropriate Risk Assessments and Method Statements (RAMS). It is anticipated that an outline CoCP will be submitted with the application, for a detailed CoCP to be secured through requirement.
- 6.5.3. A summary of potential contaminant linkages identified in the preliminary CSM is provided in **Table 6-2**. A risk likelihood rating according to CIRIA C552 (included as **Annex E**) is provided.

**Table 6-2 - Preliminary CSM, Potential Pollutant Linkages**

SPRL	Source	Pathway	Receptor	Severity	Probability	Pre-Mitigation Risk	Qualitative Comment	Post Mitigation Risk	
SPRL 1	Contamination (including asbestos) associated with Made Ground materials from previous land use and infilling /raising.	Direct contact, ingestion and inhalation	Construction Workers during redevelopment	Severe (predominantly due to asbestos health risks)	Likely	HIGH RISK	There is potential for contamination including asbestos relating to the Site previous uses. The potential for exposure during construction can potentially be mitigated during redevelopment via good practice and the use of standard Personal Protective Equipment (PPE), Respiratory Protective Equipment (RPE) and good hygiene practices.  It is likely that the local planning authority (LPA) will require an intrusive investigation to assess for potential contamination and require remediation of any identified contamination to a standard protective of future Site users.  The potential for residual soil contamination post-remediation including asbestos should be recorded in the Site risk register so any maintenance workers or future Site users are aware. The potential for exposure to future ground maintenance workers can then be mitigated via good practice and the use of standard PPE, RPE and good hygiene practices.	MODERATE/LOW RISK	
			Maintenance workers post development	Medium	Low	MODERATE/LOW RISK		VERY LOW RISK	
	Future Site Users (Site Workers)		Medium	Low	MODERATE/LOW RISK	VERY LOW RISK			
	Direct contact with soil (sulphates/hydrocarbons)		Future development	Medium	Likely	MODERATE RISK		Due to the nature of the Site and the surrounding area there is a possibility of contamination such as sulphates and hydrocarbons which could lead to the degradation of foundations if not appropriately assessed. The aggressivity of the ground conditions will be assessed as part of detailed design process and inground structures designed accordingly.	LOW RISK
	Contamination relating to former Site uses or adjacent industrial uses (e.g., spills, leaks).		Mobilisation of contamination into groundwater/surface waters and potable water supply pipes.	Groundwater within underlying aquifers /Surface Water in River Tees	Medium	Likely		MODERATE RISK	Future intrusive investigation will assess groundwater quality. If contamination has impacted groundwater quality, then source removal or treatment would likely be required during any remediation.  A specific potable water supply pipe risk assessment will be required to ascertain whether barrier pipes (or alternative mitigations measures) are required.
Estuarine, river and marine ecology living within the SSSI and wider Teesmouth		Medium	Low	MODERATE/LOW RISK	The Site is located adjacent to an area designated as a SSSI due to the estuarine, river and marine ecology. Future investigation will assess the quality of the underlying groundwater and the potential risk that may be posed to the SSSI. If contamination has impacted groundwater quality, then source removal	LOW RISK			



SPRL	Source	Pathway	Receptor	Severity	Probability	Pre-Mitigation Risk	Qualitative Comment	Post Mitigation Risk
			and Cleveland Coast.				or treatment would likely be required during any remediation	
		Vertical migration of contamination due to piling	Groundwater within bedrock	Medium	Likely	MODERATE RISK	Should piling be necessary on Site a piling risk assessment should be undertaken to ensure the appropriate method is selected to ensure there is limited potential for vertical migration of potential contamination into the underlying aquifers.	LOW RISK
SPRL 2	Hazardous Ground Gas related to Made Ground or organic material.  Landfill gas from adjacent landfill Site.  Volatile contamination in groundwater causing vapour migration	Migration into ground excavations/man-hole chambers or building infrastructure	Construction Workers during redevelopment	Severe	Low	HIGH RISK	Potential for soil/groundwater gas/vapour. Intrusive investigation will assess for the potential presence of ground gas concentrations and volatile groundwater contamination/non-aqueous phase liquid (NAPL). Any identified ground gas or vapour risk will likely require mitigation in the form of source removal or implementation of gas protection measures within the future building design.	LOW RISK
			Maintenance workers post development	Medium	Low	MODERATE/LOW RISK		VERY LOW RISK
			Future Site Users (Site Workers)	Medium	Low	MODERATE/LOW RISK		VERY LOW RISK
			Future development	Medium	Low	MODERATE/LOW RISK		VERY LOW RISK

## 7 CONCLUSIONS AND RECOMMENDATIONS

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### 7.1 CONCLUSIONS

- 7.1.1. The approximately 90.4 ha Site is situated within a heavily industrialised area. The irregularly shaped Site includes Seal Sands Road to the south, the Emergency Access Road to the north, an area of vacant land in the east, the eastern portion of the Site includes a section of the foreshore of the River Tees, a section of the western extent of the site includes the existing Teesside Gas Processing Plant. The Site predominantly comprises roads, and vacant scrubland with existing surface pipelines and pipeline gantries.
- 7.1.2. The Site historically comprised undeveloped sand and mud flats with natural fluvial channels in the west and northwest prior to being reclaimed between 1955 and 1983. It is understood from historical plans that the reclamation material comprised dredgings from the River Tees and potentially slag material. The land to the east along the River Tees although reclaimed, remained undeveloped and in its current state. The site lies within a heavily industrialised area of Teesside, neighbouring industries include oil refineries, gas processing plants with extensive associated infrastructure and storage facilities.
- 7.1.3. Key identified potential sources of contamination include the extensive Made Ground (reclaimed material) present across the site and potential off-site historical and current industries. Potential contaminants of concern include asbestos, metals, PAH, TPH and VOCs/SVOCs .
- 7.1.4. The Site is considered to have a moderate sensitivity with regards to controlled waters given the likely hydraulic connection to the River Tees and potentially the underlying aquifers (a Principal and a Secondary B Aquifer) and given the industrial nature of its proposed use, a low sensitivity with regards to human health.
- 7.1.5. At this stage it is anticipated that a Geo-environmental Ground Investigation will be required in order to assess the nature and extent of any contamination at the Site (with an associated interpretative report). This will identify the potential for unacceptable risks from contamination in consideration of the Proposed Scheme.
- 7.1.6. Should contamination be identified a Remediation Strategy will need to be developed to outline how the associated risk could be mitigated, along with the potential for further intrusive works (further ground investigations or remediation works). If any necessary remediation works do need to be carried out, a Remediation Verification Report would be needed, to confirm that works had achieved the requirements of the Remediation Strategy.
- 7.1.7. Given the history of the Site there is potential for in-ground obstructions and structures which would require removal.
- 7.1.8. It is anticipated that the above-noted Ground Investigation works will be completed post-consent, to ensure completion of the ground investigation a requirement will be likely placed on the DCO which will need to be discharged prior to works commencing.
- 7.1.9. If there is an opportunity for the reuse of materials on site and soil arisings are considered suitable for on-Site re-use (following appropriate testing) then a Materials Management Plan will be required, together with supporting documents, in line with the Contaminated Land: Applications in Real



Environments (CL:AIRE) Definition of Waste: Development Industry Code of Practice, Version 2 March 2011 (DoWCoP).

- 7.1.10. If surplus materials from the Site are to be disposed of at landfill, the material should be segregated and the materials should be characterised with respect to chemical and asbestos content to determine the classification of the waste for landfilling purposes.

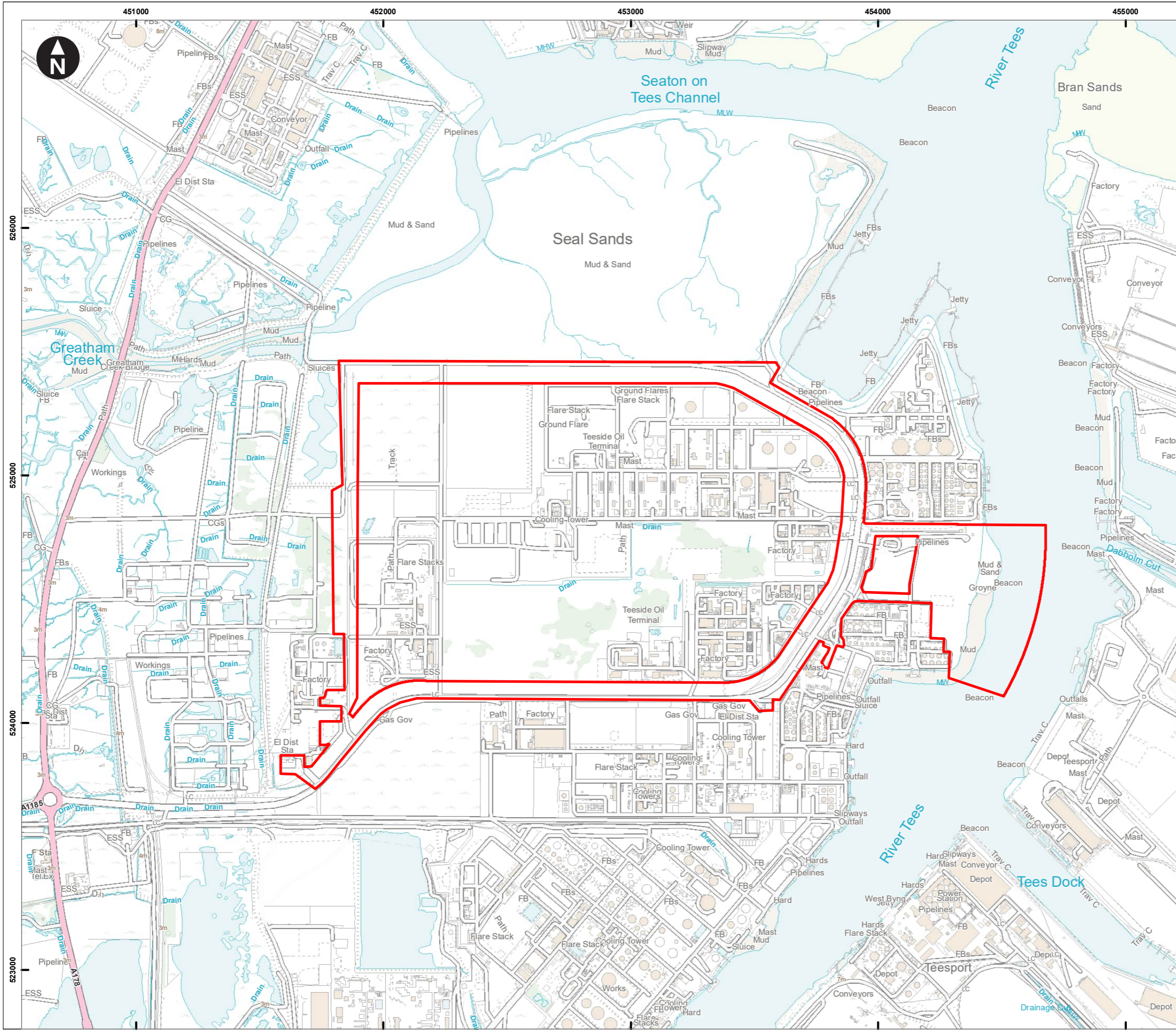
## 7.2 RECOMMENDATIONS

- 7.2.1. Based on the data presented in this report, a series of activities are recommended as part of the application for development consent. In order to assess (and where necessary mitigate) the nature and extent of contamination and other geo-environmental constraints that may be present the following is recommended:
- Completion of a detailed UXO desk study across the areas of the site which are not included in the existing studies, to ascertain the UXO risk at the Site, and to potentially zone the Site prior to investigation delivered by way of Site-specific UXO report;
  - An intrusive investigation to refine the CSM and geotechnical soil parameters, and to further understand the hydrogeological regime (described within an interpretative ground investigation report);
  - As part of the ground investigation installation of gas/vapour and groundwater monitoring wells (described within an interpretative ground investigation report);
  - Classification of waste soils, to satisfy the Environment Agency, land contamination officers and planners (described within an interpretative ground investigation report);
  - Identification of remediation requirements, and likely timescales for remediation to aid development of the construction programme (described within a Remediation Strategy); and
  - Identification of likely long term monitoring requirements that will be required as part of the environmental permit for the Proposed Scheme (likely described within a Remediation Strategy and/or Verification Report).
  - Initial completion and iterative update of a Geotechnical Risk Register.

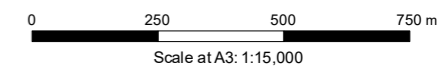
# Annex A

LOCATION PLAN





Key  
[Red outline] Proposed site boundary



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0100031673

Teesside Flexible Regas Port  
EIA Scoping Report

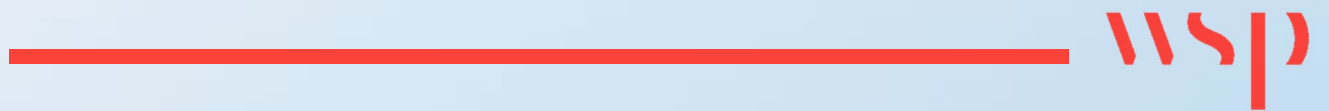
**Chapter 18 Geology and soils**  
**Appendix 18A**  
**Annex A**  
**Scoping Proposed Site Boundary**

March 2024



# Annex B

GROUNDSURE REPORT



## WaveCrest - Teeside

### Order Details

**Date:** 01/02/2024  
**Your ref:** WaveCrest - Teeside  
**Our Ref:** GSIP-2024-14521-17091

### Site Details

**Location:** 453298 524529  
**Area:** 89.51 ha  
**Authority:** [Stockton-on-Tees Borough Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

N/A: >10ha

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Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">14 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	13	15	72	85	-
<a href="#">21 &gt;</a>	<a href="#">1.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	1	43	283	188	-
<a href="#">40 &gt;</a>	<a href="#">1.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	6	9	13	8	-
42	1.4	Historical petrol stations	0	0	0	0	-
42	1.5	Historical garages	0	0	0	0	-
42	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">43 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	19	28	137	139	-
<a href="#">55 &gt;</a>	<a href="#">2.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	1	69	413	328	-
<a href="#">84 &gt;</a>	<a href="#">2.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	11	15	23	14	-
87	2.4	Historical petrol stations	0	0	0	0	-
87	2.5	Historical garages	0	0	0	0	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">88 &gt;</a>	<a href="#">3.1 &gt;</a>	<a href="#">Active or recent landfill &gt;</a>	0	0	0	1	-
89	3.2	Historical landfill (BGS records)	0	0	0	0	-
89	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<a href="#">89 &gt;</a>	<a href="#">3.4 &gt;</a>	<a href="#">Historical landfill (EA/NRW records) &gt;</a>	2	0	1	3	-
90	3.5	Historical waste sites	0	0	0	0	-
<a href="#">90 &gt;</a>	<a href="#">3.6 &gt;</a>	<a href="#">Licensed waste sites &gt;</a>	7	8	3	0	-
<a href="#">95 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	0	3	2	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">97 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	16	61	475	-	-
128	4.2	Current or recent petrol stations	0	0	0	0	-
128	4.3	Electricity cables	0	0	0	0	-
<a href="#">129 &gt;</a>	<a href="#">4.4 &gt;</a>	<a href="#">Gas pipelines &gt;</a>	1	0	1	0	-
129	4.5	Sites determined as Contaminated Land	0	0	0	0	-



<a href="#">129</a> >	<a href="#">4.6</a> >	<a href="#">Control of Major Accident Hazards (COMAH)</a> >	19	1	1	6	-
132	4.7	Regulated explosive sites	0	0	0	0	-
<a href="#">132</a> >	<a href="#">4.8</a> >	<a href="#">Hazardous substance storage/usage</a> >	6	8	26	5	-
<a href="#">138</a> >	<a href="#">4.9</a> >	<a href="#">Historical licensed industrial activities (IPC)</a> >	187	0	39	35	-
<a href="#">169</a> >	<a href="#">4.10</a> >	<a href="#">Licensed industrial activities (Part A(1))</a> >	8	55	252	96	-
<a href="#">234</a> >	<a href="#">4.11</a> >	<a href="#">Licensed pollutant release (Part A(2)/B)</a> >	1	2	2	1	-
<a href="#">235</a> >	<a href="#">4.12</a> >	<a href="#">Radioactive Substance Authorisations</a> >	0	1	7	0	-
<a href="#">236</a> >	<a href="#">4.13</a> >	<a href="#">Licensed Discharges to controlled waters</a> >	8	5	102	29	-
<a href="#">258</a> >	<a href="#">4.14</a> >	<a href="#">Pollutant release to surface waters (Red List)</a> >	1	0	0	0	-
258	4.15	Pollutant release to public sewer	0	0	0	0	-
<a href="#">258</a> >	<a href="#">4.16</a> >	<a href="#">List 1 Dangerous Substances</a> >	3	0	3	2	-
<a href="#">259</a> >	<a href="#">4.17</a> >	<a href="#">List 2 Dangerous Substances</a> >	4	0	1	6	-
<a href="#">260</a> >	<a href="#">4.18</a> >	<a href="#">Pollution Incidents (EA/NRW)</a> >	3	1	8	2	-
<a href="#">262</a> >	<a href="#">4.19</a> >	<a href="#">Pollution inventory substances</a> >	0	14	23	3	-
<a href="#">275</a> >	<a href="#">4.20</a> >	<a href="#">Pollution inventory waste transfers</a> >	0	1	5	1	-
295	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<a href="#">Hydrogeology</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">296</a> >	<a href="#">5.1</a> >	<a href="#">Superficial aquifer</a> >	Identified (within 500m)				
<a href="#">298</a> >	<a href="#">5.2</a> >	<a href="#">Bedrock aquifer</a> >	Identified (within 500m)				
<a href="#">300</a> >	<a href="#">5.3</a> >	<a href="#">Groundwater vulnerability</a> >	Identified (within 50m)				
303	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
303	5.5	Groundwater vulnerability- local information	None (within 0m)				
<a href="#">304</a> >	<a href="#">5.6</a> >	<a href="#">Groundwater abstractions</a> >	0	0	0	6	48
<a href="#">318</a> >	<a href="#">5.7</a> >	<a href="#">Surface water abstractions</a> >	0	0	0	0	5
320	5.8	Potable abstractions	0	0	0	0	0
320	5.9	Source Protection Zones	0	0	0	0	-
320	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<a href="#">Hydrology</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">321</a> >	<a href="#">6.1</a> >	<a href="#">Water Network (OS MasterMap)</a> >	2	2	41	-	-



<a href="#">325</a> >	<a href="#">6.2</a> >	<a href="#">Surface water features</a> >	1	3	36	-	-
<a href="#">325</a> >	<a href="#">6.3</a> >	<a href="#">WFD Surface water body catchments</a> >	1	-	-	-	-
<a href="#">326</a> >	<a href="#">6.4</a> >	<a href="#">WFD Surface water bodies</a> >	1	0	0	-	-
<a href="#">326</a> >	<a href="#">6.5</a> >	<a href="#">WFD Groundwater bodies</a> >	1	-	-	-	-
Page	Section	<a href="#">River and coastal flooding</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">327</a> >	<a href="#">7.1</a> >	<a href="#">Risk of flooding from rivers and the sea</a> >	High (within 50m)				
<a href="#">328</a> >	<a href="#">7.2</a> >	<a href="#">Historical Flood Events</a> >	1	0	2	-	-
<a href="#">328</a> >	<a href="#">7.3</a> >	<a href="#">Flood Defences</a> >	0	0	2	-	-
<a href="#">329</a> >	<a href="#">7.4</a> >	<a href="#">Areas Benefiting from Flood Defences</a> >	1	0	1	-	-
329	7.5	Flood Storage Areas	0	0	0	-	-
<a href="#">330</a> >	<a href="#">7.6</a> >	<a href="#">Flood Zone 2</a> >	Identified (within 50m)				
<a href="#">331</a> >	<a href="#">7.7</a> >	<a href="#">Flood Zone 3</a> >	Identified (within 50m)				
Page	Section	<a href="#">Surface water flooding</a> >					
<a href="#">332</a> >	<a href="#">8.1</a> >	<a href="#">Surface water flooding</a> >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	<a href="#">Groundwater flooding</a> >					
<a href="#">334</a> >	<a href="#">9.1</a> >	<a href="#">Groundwater flooding</a> >	Moderate (within 50m)				
Page	Section	<a href="#">Environmental designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">335</a> >	<a href="#">10.1</a> >	<a href="#">Sites of Special Scientific Interest (SSSI)</a> >	2	0	0	2	5
<a href="#">336</a> >	<a href="#">10.2</a> >	<a href="#">Conserved wetland sites (Ramsar sites)</a> >	2	0	1	1	7
338	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
<a href="#">338</a> >	<a href="#">10.4</a> >	<a href="#">Special Protection Areas (SPA)</a> >	2	0	2	7	12
<a href="#">343</a> >	<a href="#">10.5</a> >	<a href="#">National Nature Reserves (NNR)</a> >	2	0	0	0	1
344	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
344	10.7	Designated Ancient Woodland	0	0	0	0	0
344	10.8	Biosphere Reserves	0	0	0	0	0
344	10.9	Forest Parks	0	0	0	0	0
345	10.10	Marine Conservation Zones	0	0	0	0	0
345	10.11	Green Belt	0	0	0	0	0
<a href="#">345</a> >	<a href="#">10.12</a> >	<a href="#">Proposed Ramsar sites</a> >	2	0	2	2	9





346	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
346	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
346	10.15	Nitrate Sensitive Areas	0	0	0	0	0
347	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
<a href="#">348</a> >	<a href="#">10.17</a> >	<a href="#">SSSI Impact Risk Zones</a> >	6	-	-	-	-
<a href="#">352</a> >	<a href="#">10.18</a> >	<a href="#">SSSI Units</a> >	6	0	5	2	14
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
367	11.1	World Heritage Sites	0	0	0	-	-
367	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
367	11.3	National Parks	0	0	0	-	-
367	11.4	Listed Buildings	0	0	0	-	-
368	11.5	Conservation Areas	0	0	0	-	-
368	11.6	Scheduled Ancient Monuments	0	0	0	-	-
368	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<a href="#">Agricultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">369</a> >	<a href="#">12.1</a> >	<a href="#">Agricultural Land Classification</a> >	Non Agricultural (within 250m)				
370	12.2	Open Access Land	0	0	0	-	-
370	12.3	Tree Felling Licences	0	0	0	-	-
370	12.4	Environmental Stewardship Schemes	0	0	0	-	-
<a href="#">371</a> >	<a href="#">12.5</a> >	<a href="#">Countryside Stewardship Schemes</a> >	0	0	1	-	-
Page	Section	<a href="#">Habitat designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">372</a> >	<a href="#">13.1</a> >	<a href="#">Priority Habitat Inventory</a> >	1	1	8	-	-
<a href="#">373</a> >	<a href="#">13.2</a> >	<a href="#">Habitat Networks</a> >	4	0	5	-	-
<a href="#">374</a> >	<a href="#">13.3</a> >	<a href="#">Open Mosaic Habitat</a> >	1	0	2	-	-
374	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<a href="#">Geology 1:10,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">375</a> >	<a href="#">14.1</a> >	<a href="#">10k Availability</a> >	Identified (within 500m)				
<a href="#">377</a> >	<a href="#">14.2</a> >	<a href="#">Artificial and made ground (10k)</a> >	2	0	1	3	-
<a href="#">379</a> >	<a href="#">14.3</a> >	<a href="#">Superficial geology (10k)</a> >	4	0	6	3	-



380	14.4	Landslip (10k)	0	0	0	0	-
<a href="#">381</a> >	<a href="#">14.5</a> >	<a href="#">Bedrock geology (10k)</a> >	5	0	5	3	-
<a href="#">382</a> >	<a href="#">14.6</a> >	<a href="#">Bedrock faults and other linear features (10k)</a> >	0	0	1	0	-
Page	Section	<a href="#">Geology 1:50,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">383</a> >	<a href="#">15.1</a> >	<a href="#">50k Availability</a> >	Identified (within 500m)				
<a href="#">384</a> >	<a href="#">15.2</a> >	<a href="#">Artificial and made ground (50k)</a> >	1	0	1	1	-
<a href="#">385</a> >	<a href="#">15.3</a> >	<a href="#">Artificial ground permeability (50k)</a> >	2	0	-	-	-
<a href="#">386</a> >	<a href="#">15.4</a> >	<a href="#">Superficial geology (50k)</a> >	1	0	0	0	-
<a href="#">387</a> >	<a href="#">15.5</a> >	<a href="#">Superficial permeability (50k)</a> >	Identified (within 50m)				
387	15.6	Landslip (50k)	0	0	0	0	-
387	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">388</a> >	<a href="#">15.8</a> >	<a href="#">Bedrock geology (50k)</a> >	2	0	1	0	-
<a href="#">389</a> >	<a href="#">15.9</a> >	<a href="#">Bedrock permeability (50k)</a> >	Identified (within 50m)				
<a href="#">389</a> >	<a href="#">15.10</a> >	<a href="#">Bedrock faults and other linear features (50k)</a> >	0	0	1	0	-
Page	Section	<a href="#">Boreholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">390</a> >	<a href="#">16.1</a> >	<a href="#">BGS Boreholes</a> >	43	30	164	-	-
Page	Section	<a href="#">Natural ground subsidence</a> >					
<a href="#">401</a> >	<a href="#">17.1</a> >	<a href="#">Shrink swell clays</a> >	Very low (within 50m)				
<a href="#">402</a> >	<a href="#">17.2</a> >	<a href="#">Running sands</a> >	Moderate (within 50m)				
<a href="#">404</a> >	<a href="#">17.3</a> >	<a href="#">Compressible deposits</a> >	Moderate (within 50m)				
<a href="#">406</a> >	<a href="#">17.4</a> >	<a href="#">Collapsible deposits</a> >	Negligible (within 50m)				
<a href="#">407</a> >	<a href="#">17.5</a> >	<a href="#">Landslides</a> >	Very low (within 50m)				
<a href="#">408</a> >	<a href="#">17.6</a> >	<a href="#">Ground dissolution of soluble rocks</a> >	Negligible (within 50m)				
Page	Section	<a href="#">Mining and ground workings</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">410</a> >	<a href="#">18.1</a> >	<a href="#">BritPits</a> >	0	0	1	0	-
<a href="#">411</a> >	<a href="#">18.2</a> >	<a href="#">Surface ground workings</a> >	1	0	26	-	-
<a href="#">412</a> >	<a href="#">18.3</a> >	<a href="#">Underground workings</a> >	2	0	0	0	2
413	18.4	Underground mining extents	0	0	0	0	-
<a href="#">413</a> >	<a href="#">18.5</a> >	<a href="#">Historical Mineral Planning Areas</a> >	0	1	2	0	-



<a href="#">413</a> >	<a href="#">18.6</a> >	<a href="#">Non-coal mining</a> >	2	0	1	1	0
414	18.7	JPB mining areas	None (within 0m)				
414	18.8	The Coal Authority non-coal mining	0	0	0	0	-
414	18.9	Researched mining	0	0	0	0	-
415	18.10	Mining record office plans	0	0	0	0	-
415	18.11	BGS mine plans	0	0	0	0	-
415	18.12	Coal mining	None (within 0m)				
415	18.13	Brine areas	None (within 0m)				
415	18.14	Gypsum areas	None (within 0m)				
416	18.15	Tin mining	None (within 0m)				
416	18.16	Clay mining	None (within 0m)				
Page	Section	<a href="#">Ground cavities and sinkholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
417	19.1	Natural cavities	0	0	0	0	-
<a href="#">418</a> >	<a href="#">19.2</a> >	<a href="#">Mining cavities</a> >	0	0	0	0	4
418	19.3	Reported recent incidents	0	0	0	0	-
418	19.4	Historical incidents	0	0	0	0	-
419	19.5	National karst database	0	0	0	0	-
Page	Section	<a href="#">Radon</a> >					
<a href="#">420</a> >	<a href="#">20.1</a> >	<a href="#">Radon</a> >	Less than 1% (within 0m)				
Page	Section	<a href="#">Soil chemistry</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">422</a> >	<a href="#">21.1</a> >	<a href="#">BGS Estimated Background Soil Chemistry</a> >	25	14	-	-	-
424	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
424	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	<a href="#">Railway infrastructure and projects</a> >	On site	0-50m	50-250m	250-500m	500-2000m
425	22.1	Underground railways (London)	0	0	0	-	-
425	22.2	Underground railways (Non-London)	0	0	0	-	-
426	22.3	Railway tunnels	0	0	0	-	-
<a href="#">426</a> >	<a href="#">22.4</a> >	<a href="#">Historical railway and tunnel features</a> >	14	8	6	-	-
427	22.5	Royal Mail tunnels	0	0	0	-	-



<a href="#">427</a> >	<a href="#">22.6</a> >	<a href="#">Historical railways</a> >	8	6	4	-	-
428	22.7	Railways	0	0	0	-	-
428	22.8	Crossrail 1	0	0	0	0	-
429	22.9	Crossrail 2	0	0	0	0	-
429	22.10	HS2	0	0	0	0	-

## Recent aerial photograph



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Capture Date: 19/04/2021

Site Area: 89.51ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 1 February 2024

## Recent site history - 2019 aerial photograph



Capture Date: 26/08/2019

Site Area: 89.51ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 1 February 2024

## Recent site history - 2015 aerial photograph



Capture Date: 08/10/2015

Site Area: 89.51ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 1 February 2024

## Recent site history - 2007 aerial photograph



Capture Date: 07/09/2007

Site Area: 89.51ha



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01273 257 755

Date: 1 February 2024



## Recent site history - 1999 aerial photograph



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Capture Date: 10/09/1999

Site Area: 89.51ha



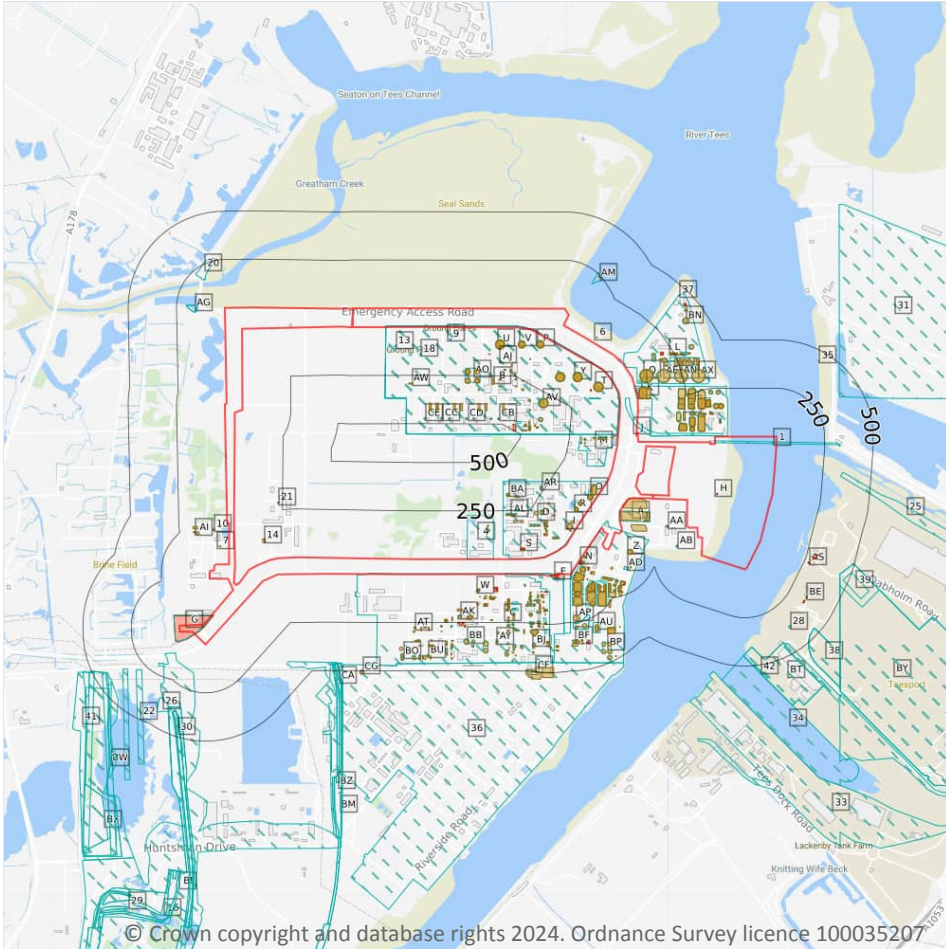
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 1 February 2024

# 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

## 1.1 Historical industrial land uses

**Records within 500m** **185**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Tunnel	1988 - 1992	1347130



ID	Location	Land use	Dates present	Group ID
2	On site	Railway Sidings	1988 - 1992	1386042
A	On site	Unspecified Tanks	1992	1319163
B	On site	Oil Refinery	1981	1338923
B	On site	Oil Refinery	1988	1338924
B	On site	Oil Refinery	1994	1339191
B	On site	Oil Refinery	1992	1339192
C	On site	Unspecified Works	1988 - 1992	1345603
C	On site	Railway Sidings	1988 - 1992	1388612
D	On site	Unspecified Works	1988 - 1992	1355515
E	On site	Electric Substation	1988 - 1992	1366712
F	On site	Unspecified Depot	1981 - 1994	1374318
G	On site	Electric Substation	1988 - 1992	1400257
4	1m S	Unspecified Works	1992	1328838
K	4m NE	Unspecified Tanks	1994	1319151
L	5m NE	Oil Terminal	1981 - 1994	1355790
M	6m E	Unspecified Works	1988 - 1992	1365482
5	6m S	Railway Building	1988 - 1992	1375151
N	7m SE	Unspecified Tanks	1988 - 1992	1387332
N	15m SE	Unspecified Tanks	1988 - 1992	1398028
O	17m SE	Unspecified Tanks	1988 - 1992	1348565
P	25m N	Unspecified Tank	1981 - 1994	1399338
Q	38m NE	Unspecified Tanks	1981 - 1994	1394729
R	44m SE	Unspecified Tanks	1992	1319162
R	44m SE	Unspecified Tank	1988	1326023
R	45m SE	Unspecified Tanks	1992	1319161
R	45m SE	Unspecified Tank	1988	1326024
C	50m S	Unspecified Tanks	1988 - 1992	1344591
D	51m SE	Unspecified Tanks	1988 - 1992	1361314



ID	Location	Land use	Dates present	Group ID
T	51m NE	Unspecified Tank	1981 - 1994	1402517
M	58m E	Unspecified Tanks	1992	1319160
F	58m E	Unspecified Tanks	1988 - 1992	1387909
F	58m E	Unspecified Tanks	1988 - 1992	1370930
9	60m NW	Chimney	1981 - 1994	1389931
F	60m E	Unspecified Tanks	1988 - 1992	1401963
U	64m N	Unspecified Tank	1981 - 1994	1359617
V	64m N	Unspecified Tank	1981 - 1994	1368745
F	70m E	Unspecified Tanks	1988 - 1992	1363848
Y	72m NE	Unspecified Tank	1981 - 1994	1392584
W	76m S	Unspecified Tanks	1988 - 1992	1390780
Z	94m SE	Unspecified Tank	1988 - 1992	1352738
13	94m NW	Unspecified Tank	1981 - 1994	1375581
AA	98m SE	Unspecified Tank	1992	1326029
N	102m SE	Unspecified Tanks	1988 - 1992	1369007
F	108m E	Unspecified Tanks	1988 - 1992	1382774
AB	109m SE	Unspecified Tank	1992	1326031
16	113m SW	Steel Works	1913	1345678
F	114m E	Unspecified Tanks	1988 - 1992	1372697
AC	117m NE	Unspecified Tank	1981 - 1994	1358729
C	118m S	Unspecified Tanks	1988 - 1992	1363171
AD	122m SE	Unspecified Depot	1988 - 1992	1345097
F	123m E	Unspecified Tanks	1988 - 1992	1343212
AE	123m NE	Unspecified Tanks	1981 - 1994	1354481
C	127m S	Unspecified Tanks	1988 - 1992	1341227
D	127m S	Unspecified Tanks	1988 - 1992	1370182
L	133m NE	Unspecified Tanks	1981 - 1994	1340761
17	135m NW	Unspecified Tank	1994	1325977



ID	Location	Land use	Dates present	Group ID
N	137m SE	Unspecified Tanks	1988 - 1992	1342591
18	138m NW	Unspecified Tank	1981 - 1994	1349063
AG	142m NW	Unspecified Pit	1920	1359166
AG	142m NW	Unspecified Pit	1927	1371619
C	142m S	Unspecified Tanks	1988 - 1992	1404716
F	142m E	Unspecified Tanks	1988 - 1992	1372952
N	142m SE	Unspecified Tanks	1988 - 1992	1405236
C	145m S	Unspecified Tanks	1988 - 1992	1397330
AH	146m SW	Unspecified Tank	1992	1326017
F	148m E	Unspecified Tanks	1988 - 1992	1372642
C	150m S	Unspecified Tanks	1988 - 1992	1396927
F	159m E	Unspecified Tanks	1981 - 1994	1399559
D	161m S	Unspecified Tanks	1988 - 1992	1347927
M	169m E	Unspecified Tank	1992	1326025
C	170m S	Unspecified Tanks	1988 - 1992	1385930
F	173m E	Unspecified Tanks	1981 - 1994	1398705
F	175m E	Unspecified Tanks	1981 - 1994	1393084
C	175m S	Unspecified Tanks	1988 - 1992	1360851
N	176m SE	Unspecified Tanks	1988 - 1992	1381268
L	177m NE	Unspecified Tank	1981 - 1994	1388106
20	178m NW	Railway Sidings	1896	1305692
C	178m S	Unspecified Tanks	1988 - 1992	1343451
M	185m E	Unspecified Tank	1992	1326026
C	187m S	Unspecified Tanks	1988 - 1992	1345323
D	189m S	Unspecified Tanks	1988 - 1992	1397640
AM	191m N	Oil Terminal	1981 - 1994	1367955
C	197m S	Unspecified Tanks	1988 - 1992	1356131
C	199m S	Unspecified Tanks	1988 - 1992	1401239



ID	Location	Land use	Dates present	Group ID
AN	211m NE	Unspecified Tanks	1981 - 1994	1348890
AK	212m SW	Unspecified Tanks	1988 - 1992	1349738
AO	212m NW	Unspecified Tanks	1981 - 1994	1355487
AK	212m S	Unspecified Tanks	1988 - 1992	1361471
AP	213m S	Unspecified Tanks	1988 - 1992	1388624
L	215m NE	Unspecified Tanks	1981 - 1994	1391176
C	217m S	Unspecified Tanks	1988 - 1992	1399669
F	220m E	Unspecified Tanks	1981 - 1994	1371928
F	223m E	Unspecified Tanks	1981 - 1994	1342001
AL	227m S	Unspecified Tanks	1988 - 1992	1357404
AP	228m S	Unspecified Pits	1992	1316521
AP	228m S	Unspecified Tanks	1988	1319164
C	233m S	Unspecified Tanks	1988 - 1992	1372441
C	245m S	Unspecified Tanks	1988 - 1992	1389115
AL	248m S	Chimney	1988 - 1992	1392649
C	254m S	Unspecified Tanks	1988 - 1992	1366947
AR	257m SE	Unspecified Tanks	1988 - 1992	1363000
C	258m S	Unspecified Tanks	1988 - 1992	1361188
AK	264m SW	Unspecified Tanks	1988 - 1992	1352777
AK	265m SW	Unspecified Tanks	1988 - 1992	1351057
AT	273m SW	Unspecified Tanks	1988 - 1992	1383671
AU	276m SE	Unspecified Tanks	1988 - 1992	1405653
C	277m S	Unspecified Tanks	1988 - 1992	1364673
C	277m S	Unspecified Tanks	1988 - 1992	1390736
AV	278m N	Unspecified Tanks	1992	1319149
AV	278m N	Unspecified Tank	1988	1326028
22	278m SW	Rifle Ranges	1897	1320284
C	283m S	Unspecified Tanks	1988 - 1992	1342393



ID	Location	Land use	Dates present	Group ID
AX	292m NE	Unspecified Tanks	1981 - 1994	1349492
L	292m NE	Unspecified Tank	1981 - 1994	1347669
AZ	318m N	Unspecified Tank	1988 - 1992	1351034
BA	325m SW	Unspecified Tanks	1988 - 1992	1378718
L	330m NE	Unspecified Tank	1981 - 1994	1396937
24	333m SW	Rifle Ranges	1897	1320283
BB	334m S	Unspecified Tanks	1988 - 1992	1369528
AY	340m S	Unspecified Tanks	1988 - 1992	1406092
BB	340m S	Unspecified Tanks	1988 - 1992	1370367
BF	340m S	Unspecified Tanks	1988 - 1992	1343950
25	342m E	Railway Sidings	1983 - 1991	1391631
BF	343m S	Unspecified Tanks	1988 - 1992	1376923
BH	346m S	Unspecified Tanks	1988 - 1992	1350525
BI	348m SW	Railway Sidings	1927	1347742
BI	348m SW	Railway Sidings	1920	1357937
BJ	353m S	Unspecified Tanks	1988 - 1992	1360579
BK	353m S	Unspecified Tanks	1988 - 1992	1361853
26	354m SW	Unspecified Pit	1988 - 1992	1373969
BK	363m S	Unspecified Tanks	1988 - 1992	1358986
BK	366m S	Unspecified Tanks	1988 - 1992	1368108
28	369m SE	Unspecified Pit	1955	1336702
BL	373m N	Unspecified Tanks	1992	1319150
BL	373m N	Unspecified Tank	1988	1326027
BM	374m SW	Railway Sidings	1913	1360083
BM	374m SW	Railway Sidings	1923	1379700
BN	376m NE	Unspecified Tank	1981 - 1994	1362181
29	376m SW	Railway Sidings	1923	1375199
30	378m SW	Railway Sidings	1913	1377042



ID	Location	Land use	Dates present	Group ID
BG	379m S	Unspecified Tanks	1988 - 1992	1374853
BG	381m SW	Unspecified Tanks	1988 - 1992	1369185
31	386m E	Unspecified Works	1980	1387726
BP	389m SE	Unspecified Tanks	1988 - 1992	1375352
BT	403m SE	Unspecified Commercial/Industrial	1988	1307071
BT	403m SE	Terminal	1992	1327272
BK	403m S	Unspecified Tanks	1988 - 1992	1399544
BO	410m SW	Unspecified Tanks	1988 - 1992	1363955
BU	416m SW	Unspecified Tanks	1988 - 1992	1347709
BU	417m SW	Unspecified Tanks	1988 - 1992	1378655
BV	419m NE	Unspecified Tank	1981 - 1994	1366561
BU	420m SW	Unspecified Tanks	1988 - 1992	1387504
BW	428m SW	Rifle Ranges	1897	1320282
BX	434m SW	Disused Rifle Range	1913	1358443
BL	436m N	Unspecified Tanks	1988 - 1992	1347154
BW	437m SW	Disused Rifle Range	1927	1356839
BW	437m SW	Disused Rifle Range	1913 - 1920	1357554
33	439m SE	Railway Sidings	1983 - 1992	1359028
BL	441m N	Unspecified Tanks	1988 - 1992	1389063
BL	441m N	Chimneys	1988 - 1992	1357150
BY	446m E	Refinery	1983	1338919
BY	446m E	Refinery	1988	1338920
34	446m SE	Dock	1983 - 1992	1354809
36	448m S	Oil Refinery Works	1988 - 1992	1399407
BZ	458m SW	Railway Sidings	1920	1350025
BZ	458m SW	Railway Sidings	1927	1372407
CA	461m SW	Railway Sidings	1913	1399900
BP	465m SE	Unspecified Tanks	1988 - 1992	1362921





ID	Location	Land use	Dates present	Group ID
CB	467m NW	Unspecified Tanks	1988 - 1992	1358849
CC	468m NW	Unspecified Tanks	1988 - 1992	1343137
38	468m SE	Refinery	1992	1404256
CB	468m NW	Unspecified Tanks	1988 - 1992	1368410
CC	468m NW	Unspecified Tanks	1988 - 1992	1354701
CD	468m NW	Unspecified Tanks	1988 - 1992	1401840
CD	469m NW	Unspecified Tanks	1988 - 1992	1396919
CA	469m SW	Railway Sidings	1923	1398979
CE	469m NW	Unspecified Tanks	1988 - 1992	1347632
BX	469m SW	Disused Rifle Range	1923	1383970
BY	471m E	Refinery	1974	1339096
39	473m E	Unspecified Tanks	1983	1319165
CF	490m S	Unspecified Tanks	1988 - 1992	1349849
41	490m SW	Rifle Ranges	1897	1320281
42	494m SE	Unspecified Wharf	1988 - 1992	1360494
CG	498m SW	Unspecified Tank	1988 - 1992	1401157

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

**Records within 500m**

**515**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
<b>3</b>	<b>On site</b>	<b>Tanks</b>	<b>1997</b>	<b>206258</b>
A	2m SE	Tanks	1997	206259



ID	Location	Land use	Dates present	Group ID
K	7m NE	Tanks	1984	214588
K	7m NE	Tanks	1987	212056
K	8m NE	Tanks	1993	210808
N	8m SE	Tanks	1984 - 1997	210677
N	8m SE	Unspecified Tank	1979 - 1989	211936
N	9m SE	Tanks	1997	206275
N	11m SE	Unspecified Tank	1979	202968
K	12m NE	Unspecified Tank	1994	202877
O	13m SE	Tanks	1984 - 1994	211436
O	13m SE	Tanks	1979	222144
I	14m SE	Tanks	1997	206266
O	15m SE	Unspecified Tank	1984 - 1997	214214
O	15m SE	Unspecified Tank	1979	209746
N	21m SE	Tanks	1997	216751
N	22m SE	Tanks	1984 - 1989	210094
N	22m SE	Unspecified Tank	1984 - 1989	218335
N	23m SE	Tanks	1979	211558
M	25m E	Unspecified Tank	1984	202890
N	25m SE	Unspecified Tank	1997	219586
N	26m SE	Unspecified Tank	1984 - 1989	213870
P	27m N	Unspecified Tank	1987	209702
P	27m N	Unspecified Tank	1980	220256
I	27m SE	Unspecified Tank	1989 - 1997	207950
P	27m N	Unspecified Tank	1980 - 1993	218507
N	27m SE	Unspecified Tank	1979	211909
M	28m E	Unspecified Tank	1994	202891
6	30m NE	Unspecified Tank	1980 - 1993	213864
M	36m E	Unspecified Tank	1994	202889



ID	Location	Land use	Dates present	Group ID
Q	40m NE	Unspecified Tank	1987 - 1993	215261
Q	41m NE	Unspecified Tank	1980 - 1984	210205
R	42m SE	Unspecified Tank	1979	208020
R	42m SE	Unspecified Tank	1979	212435
R	43m SE	Unspecified Tank	1984 - 1989	220507
7	43m W	Unspecified Tank	1994	222305
R	43m SE	Unspecified Tank	1984 - 1997	208139
R	44m SE	Unspecified Tank	1997	208803
K	46m NE	Unspecified Tank	1984 - 1993	216683
N	47m S	Tanks	1997	211688
N	47m S	Tanks	1983 - 1989	213853
N	48m S	Tanks	1974 - 1979	218377
8	49m SE	Tanks	1997	206260
D	50m SE	Tanks	1979 - 1984	207691
T	51m NE	Unspecified Tank	1984	214999
T	52m NE	Unspecified Tank	1980 - 1993	215764
T	52m NE	Unspecified Tank	1987	207755
M	55m E	Tanks	1994	206241
C	56m S	Unspecified Tank	1979 - 1997	219836
F	56m E	Tanks	1980 - 1993	208440
F	56m E	Tanks	1984	209426
F	57m E	Tanks	1993	220360
F	57m E	Tanks	1984	214332
F	57m E	Tanks	1993	209350
F	57m E	Tanks	1980	219034
F	58m E	Tanks	1984	209037
F	58m E	Tanks	1980	211132
N	60m SE	Unspecified Tank	1979 - 1997	218354



ID	Location	Land use	Dates present	Group ID
Q	65m NE	Unspecified Tank	1979	216811
U	65m N	Unspecified Tank	1980	221232
U	66m N	Unspecified Tank	1987	220514
U	67m N	Unspecified Tank	1980 - 1993	209403
V	67m N	Unspecified Tank	1987	214374
V	68m N	Unspecified Tank	1980	212422
V	68m N	Unspecified Tank	1980 - 1993	221318
F	70m E	Tanks	1980 - 1993	214447
X	72m SE	Tanks	1993 - 1997	207838
10	74m W	Unspecified Tank	1994	211845
Y	75m NE	Unspecified Tank	1984	211497
Y	76m NE	Unspecified Tank	1993	217582
Y	76m NE	Unspecified Tank	1987	213198
Y	76m NE	Unspecified Tank	1980	221499
M	78m E	Unspecified Tank	1994	202888
W	79m S	Tanks	1997	210900
W	79m S	Tanks	1989	219148
W	79m S	Unspecified Tank	1989	202972
N	82m SE	Tanks	1979 - 1989	219361
F	83m E	Tanks	1984	215406
F	83m E	Tanks	1993	208317
N	83m SE	Tanks	1997	208611
M	84m E	Unspecified Tank	1994	202884
F	84m E	Tanks	1980	210660
N	85m SE	Unspecified Tank	1979 - 1989	208132
W	86m S	Tanks	1997	222168
C	90m S	Tanks	1974	206232
W	91m S	Unspecified Tank	1983	212750



ID	Location	Land use	Dates present	Group ID
W	92m S	Unspecified Tank	1993	217851
11	93m SE	Unspecified Tank	1989 - 1997	219384
12	93m N	Unspecified Tank	1980 - 1987	209416
14	94m W	Tanks	1994 - 1997	212614
Z	95m SE	Unspecified Tank	1997	215319
D	95m S	Tanks	1997	206267
Z	95m SE	Unspecified Tank	1984 - 1989	209154
15	95m S	Unspecified Tank	1979 - 1989	217436
N	97m S	Tanks	1993	219645
AA	97m SE	Unspecified Tank	1993	202923
M	98m E	Unspecified Tank	1994	220630
C	99m S	Tanks	1974 - 1983	219328
M	100m E	Unspecified Tank	1984 - 1989	220249
D	100m S	Tanks	1997	206273
C	101m S	Unspecified Tank	1974	202960
C	101m S	Tanks	1983	206274
C	102m S	Tanks	1983	206233
F	105m E	Tanks	1984 - 1993	211180
C	107m S	Tanks	1983	206279
C	108m S	Tanks	1983	206280
C	110m S	Tanks	1983	206278
C	110m S	Unspecified Tank	1974 - 1993	213127
D	110m S	Tanks	1997	206268
W	110m S	Tanks	1983 - 1993	218727
N	111m SE	Tanks	1983 - 1989	217855
F	111m E	Tanks	1984 - 1993	210154
AB	111m SE	Unspecified Tank	1993	202924
C	111m S	Unspecified Tank	1974	202961



ID	Location	Land use	Dates present	Group ID
N	111m SE	Tanks	1997	217036
X	112m SE	Tanks	1997	206261
N	112m SE	Tanks	1979	215960
W	112m S	Tanks	1983 - 1993	222445
N	115m SE	Tanks	1997	215066
F	115m E	Tanks	1993	206242
W	116m S	Unspecified Tank	1983 - 1993	214246
W	117m S	Tanks	1974	219489
F	117m E	Tanks	1980 - 1993	217490
F	117m E	Tanks	1980 - 1993	207989
W	118m S	Unspecified Tank	1974 - 1983	219551
M	118m E	Tanks	1994	206240
F	119m E	Unspecified Tank	1984	202878
AC	119m NE	Unspecified Tank	1984 - 1987	214178
AC	119m NE	Unspecified Tank	1993	222062
AC	120m NE	Unspecified Tank	1980	219464
N	120m S	Tanks	1974 - 1983	210236
N	120m S	Tanks	1993	221363
W	121m S	Tanks	1983	215270
W	121m S	Tanks	1993	216337
C	121m S	Tanks	1974	206231
W	122m S	Tanks	1974 - 1993	212507
W	122m S	Tanks	1983	216451
F	124m E	Tanks	1980 - 1993	215612
W	124m S	Tanks	1983 - 1993	208278
F	125m E	Tanks	1980 - 1993	216790
D	125m S	Tanks	1979 - 1989	218580
F	125m E	Tanks	1993	217524



ID	Location	Land use	Dates present	Group ID
M	125m E	Tanks	1994	206238
F	126m E	Unspecified Tank	1984	202879
C	126m S	Unspecified Tank	1983	202958
AE	126m NE	Unspecified Tank	1979 - 1993	220179
D	128m SE	Unspecified Tank	1989 - 1997	207876
C	129m S	Tanks	1983	219787
C	130m S	Tanks	1993	217271
D	130m S	Tanks	1979	210613
D	130m S	Tanks	1989	215600
C	131m S	Tanks	1974 - 1983	214489
N	131m SE	Tanks	1993	211117
C	133m S	Unspecified Tank	1974	202962
C	133m S	Tanks	1974 - 1983	211796
C	133m S	Tanks	1983	206234
D	134m S	Tanks	1997	217419
AF	134m N	Unspecified Tank	1987	221674
AF	134m N	Unspecified Tank	1980 - 1993	215941
C	135m S	Tanks	1983	216588
D	135m SE	Tanks	1997	206265
19	138m N	Unspecified Tank	1980 - 1993	215396
D	138m S	Tanks	1979	208147
D	138m S	Tanks	1997	206270
C	139m S	Tanks	1983	206235
L	139m NE	Unspecified Tank	1979 - 1993	213753
F	139m E	Tanks	1980 - 1993	212344
D	140m SE	Unspecified Tank	1997	202969
F	140m E	Tanks	1984	213222
C	141m S	Tanks	1983	208957



ID	Location	Land use	Dates present	Group ID
D	142m S	Tanks	1997	206269
AH	142m SW	Unspecified Tank	1989 - 1997	209615
C	144m S	Tanks	1974 - 1983	209713
N	144m SE	Tanks	1997	218561
D	145m S	Tanks	1997	206271
F	145m E	Unspecified Tank	1993	213741
F	145m E	Unspecified Tank	1993	210802
N	145m SE	Tanks	1984 - 1989	215294
F	146m E	Unspecified Tank	1980 - 1984	218302
AD	146m SE	Unspecified Tank	1984 - 1997	210998
F	146m E	Unspecified Tank	1980	213490
F	146m E	Unspecified Tank	1984	210338
W	147m S	Unspecified Tank	1993	202971
C	147m S	Tanks	1983	206284
C	148m S	Tanks	1974 - 1983	222381
N	149m SE	Tanks	1979 - 1989	208513
C	149m S	Tanks	1983	214117
N	149m SE	Tanks	1997	213102
C	149m S	Tanks	1993	214716
L	151m NE	Unspecified Tank	1979 - 1993	221710
D	151m S	Tanks	1997	206272
W	151m S	Tanks	1983	214947
W	152m S	Tanks	1993	206215
W	152m S	Tanks	1993	206216
W	152m S	Tanks	1983 - 1993	214578
C	153m S	Unspecified Tank	1974	202963
AI	154m W	Tanks	1994	209516
C	154m S	Unspecified Tank	1974 - 1983	214248





ID	Location	Land use	Dates present	Group ID
F	155m E	Tanks	1993	210800
C	155m S	Tanks	1983	215938
F	155m E	Tanks	1993	213920
C	155m S	Tanks	1974 - 1983	211524
AI	155m W	Tanks	1994	219851
F	156m E	Tanks	1984	208275
F	156m E	Tanks	1980	211582
F	157m E	Tanks	1984	220213
F	157m E	Tanks	1980	208881
C	157m S	Unspecified Tank	1983	202959
W	158m S	Tanks	1983	214493
W	158m S	Tanks	1993	215705
D	158m S	Tanks	1979 - 1989	215778
C	160m S	Tanks	1983	206283
C	162m S	Tanks	1983	216890
N	162m SE	Tanks	1997	213048
C	162m S	Tanks	1993	213097
W	163m S	Tanks	1983	212587
N	163m SE	Tanks	1984 - 1989	207623
M	165m E	Tanks	1994	206239
M	165m E	Unspecified Tank	1994	202885
L	166m NE	Unspecified Tank	1979 - 1993	218050
C	166m S	Tanks	1983	206277
D	167m S	Tanks	1979 - 1989	221641
AH	168m SW	Tanks	1997	206219
C	168m S	Tanks	1983	208384
D	168m S	Unspecified Tank	1979 - 1989	212627
C	169m S	Tanks	1983	206282



ID	Location	Land use	Dates present	Group ID
F	171m E	Tanks	1980 - 1993	214219
F	172m E	Tanks	1984	220461
F	172m E	Tanks	1993	218738
F	172m E	Tanks	1980 - 1993	208997
F	173m E	Tanks	1984 - 1993	212332
C	174m S	Tanks	1983	211923
C	174m S	Tanks	1974	219779
D	174m SE	Tanks	1997	206264
C	174m S	Tanks	1983	222011
N	174m SE	Tanks	1983 - 1989	208627
C	175m S	Tanks	1983	206276
N	176m SE	Tanks	1997	208936
N	176m SE	Tanks	1993	213584
N	176m SE	Tanks	1997	212661
N	177m SE	Tanks	1984 - 1989	221161
N	177m SE	Tanks	1984 - 1997	218249
N	177m SE	Tanks	1989	212860
N	177m SE	Tanks	1979	207495
AJ	178m N	Unspecified Tank	1993	202869
N	178m SE	Tanks	1983	216339
L	178m NE	Unspecified Tank	1979 - 1993	214099
L	179m NE	Tanks	1979 - 1993	212180
AK	180m SW	Tanks	1983 - 1993	215831
N	181m SE	Tanks	1997	213956
C	181m S	Tanks	1983 - 1993	212768
M	181m E	Tanks	1994	206237
N	181m SE	Tanks	1984 - 1989	219035
C	182m S	Tanks	1983 - 1993	220552



ID	Location	Land use	Dates present	Group ID
D	183m S	Tanks	1979 - 1989	215808
C	183m S	Tanks	1983	219912
M	184m E	Unspecified Tank	1994	202887
D	185m SE	Tanks	1997	206263
M	186m E	Unspecified Tank	1994	202886
N	187m SE	Tanks	1979 - 1997	214520
AL	187m S	Unspecified Tank	1989 - 1997	212918
AL	188m S	Unspecified Tank	1989 - 1997	219604
L	188m NE	Tanks	1979 - 1993	212246
AJ	189m N	Tanks	1993	206223
C	190m S	Tanks	1983	206285
D	191m S	Tanks	1979 - 1989	222158
C	192m S	Tanks	1983	206236
N	195m SE	Tanks	1997	217125
F	196m E	Tanks	1980 - 1993	215713
F	197m E	Tanks	1980 - 1993	221973
C	198m S	Unspecified Tank	1974	202967
C	201m S	Unspecified Tank	1974 - 1983	210804
C	201m S	Unspecified Tank	1993	208794
C	202m S	Unspecified Tank	1983 - 1993	219397
F	204m E	Tanks	1979 - 1993	216292
D	207m S	Unspecified Tank	1989 - 1997	215623
N	208m SE	Tanks	1997	209895
N	209m SE	Tanks	1984 - 1989	214063
F	211m NE	Tanks	1979 - 1993	209470
C	212m S	Tanks	1983 - 1993	220308
AP	212m S	Unspecified Tank	1983 - 1993	220215
AN	213m NE	Unspecified Tank	1979 - 1993	220150



ID	Location	Land use	Dates present	Group ID
AK	214m S	Tanks	1983 - 1993	214187
AK	214m S	Tanks	1993	218043
AK	215m S	Tanks	1983	212150
AK	215m S	Tanks	1983	211671
AK	216m S	Tanks	1983 - 1993	220795
AO	217m NW	Unspecified Tank	1980 - 1993	210664
AO	217m NW	Unspecified Tank	1980	220457
AO	217m NW	Unspecified Tank	1980 - 1993	217301
AO	218m NW	Unspecified Tank	1987	221553
AJ	218m N	Tanks	1993	206220
AK	219m S	Tanks	1983	216244
N	219m SE	Tanks	1983 - 1993	215986
AJ	220m N	Tanks	1993	206221
F	220m E	Unspecified Tank	1979 - 1993	208030
F	221m E	Unspecified Tank	1979 - 1993	214162
AK	222m SW	Unspecified Tank	1984 - 1993	213439
C	222m S	Tanks	1983 - 1993	218071
F	223m E	Tanks	1979	217146
21	224m W	Unspecified Tank	1997	202882
AL	225m S	Tanks	1979 - 1989	222444
N	226m SE	Tanks	1993	206262
AL	226m S	Tanks	1989	206230
AL	226m S	Unspecified Tank	1979	202970
AJ	227m N	Tanks	1993	206224
L	229m NE	Tanks	1979 - 1993	218885
L	230m NE	Tanks	1979	218005
L	231m NE	Tanks	1993	218638
AJ	234m N	Unspecified Tank	1993	202870



ID	Location	Land use	Dates present	Group ID
AK	234m SW	Tanks	1993	215342
AK	234m SW	Tanks	1984	212724
C	236m S	Unspecified Tank	1974	202965
AQ	236m S	Unspecified Tank	1983 - 1993	217989
AQ	237m S	Unspecified Tank	1983	209622
AQ	237m S	Unspecified Tank	1993	220295
C	239m S	Tanks	1983	206281
N	239m SE	Tanks	1993	206288
AM	241m N	Unspecified Tank	1980 - 1994	209873
AM	242m N	Unspecified Tank	1987	209321
C	242m S	Unspecified Tank	1974	212868
AM	242m N	Unspecified Tank	1980	209754
L	243m NE	Tanks	1993	217546
C	243m S	Unspecified Tank	1983 - 1993	209029
AK	245m SW	Tanks	1984	218779
AJ	249m N	Unspecified Tank	1993	202876
C	250m S	Tanks	1974 - 1993	221080
L	251m NE	Tanks	1979 - 1993	218715
AK	254m S	Unspecified Tank	1983 - 1993	216094
AR	257m SE	Unspecified Tank	1977	202883
C	259m S	Unspecified Tank	1983 - 1993	215199
AJ	259m N	Unspecified Tank	1993	202875
C	260m S	Unspecified Tank	1974	202964
C	261m S	Unspecified Tank	1983	202966
B	263m N	Unspecified Tank	1993	202871
AO	264m NW	Unspecified Tank	1980 - 1993	212353
AO	264m NW	Unspecified Tank	1987	219318
AO	264m NW	Unspecified Tank	1980 - 1993	213413



ID	Location	Land use	Dates present	Group ID
C	265m S	Tanks	1983 - 1993	218641
AP	265m S	Unspecified Tank	1974 - 1993	215664
AO	265m NW	Unspecified Tank	1980	213142
AR	265m SE	Unspecified Tank	1977	202881
AO	265m NW	Unspecified Tank	1980	208492
AK	265m S	Tanks	1983 - 1993	214272
AK	266m SW	Unspecified Tank	1984 - 1993	217070
C	266m S	Unspecified Tank	1974 - 1993	219535
AP	267m S	Unspecified Tank	1974 - 1983	214838
B	267m N	Unspecified Tank	1993	202874
L	272m NE	Tanks	1979 - 1993	215116
AK	272m SW	Unspecified Tank	1984 - 1993	222356
AT	273m SW	Tanks	1993	215106
AT	273m SW	Tanks	1984	215574
AT	274m SW	Tanks	1984	216263
AT	274m SW	Tanks	1984 - 1993	220837
AT	274m SW	Tanks	1993	206212
L	275m NE	Tanks	1979 - 1993	221904
AT	275m SW	Tanks	1993	206213
AT	275m SW	Tanks	1993	206214
AV	279m N	Unspecified Tank	1977 - 1993	208024
AV	279m N	Unspecified Tank	1989	220619
C	281m S	Tanks	1983 - 1993	207844
C	285m S	Tanks	1983	220395
AJ	286m N	Tanks	1993	206222
C	286m S	Tanks	1974	220735
C	286m S	Tanks	1993	213211
C	286m S	Tanks	1983 - 1993	221747



ID	Location	Land use	Dates present	Group ID
C	288m S	Tanks	1983 - 1993	208491
C	289m S	Tanks	1983 - 1993	221447
C	290m S	Unspecified Tank	1983 - 1993	221212
AW	291m NW	Unspecified Tank	1987	221940
AW	291m NW	Unspecified Tank	1981 - 1993	221842
AX	292m NE	Unspecified Tank	1979 - 1993	215864
AJ	292m N	Unspecified Tank	1993	202873
AT	293m SW	Unspecified Tank	1993	202974
AU	294m SE	Tanks	1974 - 1983	210858
C	295m S	Tanks	1983	210738
L	295m NE	Tanks	1979 - 1993	209177
AK	295m SW	Unspecified Tank	1984 - 1993	216803
AU	295m SE	Tanks	1993	211167
AY	298m S	Unspecified Tank	1983 - 1993	208325
C	302m S	Tanks	1983	209881
B	304m N	Unspecified Tank	1993	202872
L	311m NE	Tanks	1979 - 1993	212481
23	319m NW	Unspecified Tank	1980 - 1993	215281
L	319m NE	Tanks	1993	206246
AO	320m NW	Unspecified Tank	1980 - 1993	214912
AZ	321m N	Unspecified Tank	1989 - 1993	216785
BA	321m S	Tanks	1979 - 1989	216438
BA	324m SW	Unspecified Tank	1989	209419
BA	324m SW	Unspecified Tank	1977 - 1993	213034
BA	325m SW	Unspecified Tank	1997	220810
L	331m NE	Unspecified Tank	1979 - 1993	215857
L	336m NE	Unspecified Tank	1979 - 1993	211002
BC	337m SE	Tanks	1974 - 1983	219404



ID	Location	Land use	Dates present	Group ID
AT	337m SW	Tanks	1984 - 1993	216867
BC	338m SE	Tanks	1993	213347
BB	338m S	Unspecified Tank	1983 - 1993	220203
BD	338m S	Tanks	1983	221166
L	339m NE	Tanks	1979 - 1993	216312
BD	339m S	Tanks	1993	213691
AT	339m SW	Tanks	1993	222105
BF	340m S	Unspecified Tank	1983	213200
BF	341m S	Unspecified Tank	1993	220036
BE	342m SE	Unspecified Tank	1990 - 1994	213970
BF	342m S	Tanks	1983 - 1993	217244
BG	342m S	Tanks	1984 - 1993	209543
AT	343m SW	Tanks	1984	216361
AY	343m S	Tanks	1983 - 1993	216571
AT	343m SW	Tanks	1984	217677
BF	344m S	Tanks	1983 - 1993	215059
BB	344m S	Unspecified Tank	1983 - 1993	216910
BD	345m S	Tanks	1983	215077
BG	346m SW	Tanks	1984 - 1993	212502
BF	348m S	Unspecified Tank	1983 - 1993	220265
BH	349m S	Unspecified Tank	1983 - 1993	213596
BJ	357m S	Tanks	1983 - 1993	213409
BF	358m S	Tanks	1993	206287
BK	358m S	Unspecified Tank	1983 - 1993	208670
BF	359m S	Tanks	1983 - 1993	208603
BD	359m S	Unspecified Tank	1983 - 1993	211813
BG	359m S	Tanks	1984	208391
BG	360m S	Tanks	1993	215137





ID	Location	Land use	Dates present	Group ID
BD	361m S	Tanks	1983 - 1993	211778
BG	362m S	Tanks	1984	218417
27	365m N	Tanks	1989 - 1993	216930
AT	365m SW	Tanks	1984	206210
AT	365m SW	Tanks	1984 - 1993	209964
BK	366m S	Unspecified Tank	1983 - 1993	213290
AT	366m SW	Tanks	1984 - 1993	212648
BD	367m S	Unspecified Tank	1974 - 1993	221471
BD	367m S	Tanks	1983 - 1993	218854
AT	367m SW	Unspecified Tank	1984 - 1993	214202
AT	367m SW	Unspecified Tank	1984 - 1993	213105
BB	370m S	Unspecified Tank	1983 - 1993	220226
BK	370m S	Unspecified Tank	1983 - 1993	221942
BC	371m SE	Unspecified Tank	1983 - 1993	218288
BL	372m N	Unspecified Tank	1977 - 1993	219688
BG	372m S	Tanks	1984	206209
BG	376m S	Tanks	1984 - 1993	212894
BO	377m SW	Unspecified Tank	1993	202973
BK	380m S	Unspecified Tank	1983 - 1993	220626
BN	380m NE	Unspecified Tank	1979 - 1993	219768
BD	384m S	Unspecified Tank	1983 - 1993	208559
BH	385m S	Unspecified Tank	1983 - 1993	220205
BG	386m S	Unspecified Tank	1984 - 1993	210499
BG	386m S	Unspecified Tank	1984 - 1993	214847
BK	389m S	Unspecified Tank	1983 - 1993	210086
BP	392m SE	Unspecified Tank	1983 - 1993	219939
BK	392m S	Tanks	1983 - 1993	208976
32	393m N	Tanks	1989 - 1993	210056



ID	Location	Land use	Dates present	Group ID
BQ	394m NW	Tanks	1989 - 1993	211968
BQ	394m NW	Tanks	1989 - 1993	213709
BR	394m NW	Tanks	1994 - 1997	212062
BS	394m NW	Tanks	1989 - 1993	221572
BR	394m NW	Tanks	1994 - 1997	212432
BS	394m NW	Tanks	1989 - 1993	213676
BR	395m NW	Tanks	1986	220976
BR	395m NW	Tanks	1986	214495
BJ	398m S	Tanks	1983 - 1993	219499
BG	404m S	Tanks	1984 - 1993	214351
BK	404m S	Unspecified Tank	1983 - 1993	210552
BK	406m S	Unspecified Tank	1983 - 1993	216656
BP	407m SE	Unspecified Tank	1983 - 1993	219863
BG	410m S	Unspecified Tank	1984 - 1993	209173
BO	414m SW	Unspecified Tank	1984 - 1993	218556
BL	416m NE	Tanks	1989	208635
BL	416m NE	Tanks	1977 - 1993	211702
BK	417m S	Unspecified Tank	1983 - 1993	221412
BL	419m N	Unspecified Tank	1989 - 1993	211815
BU	420m SW	Tanks	1984 - 1993	219910
BU	420m SW	Unspecified Tank	1984 - 1993	211316
BU	420m SW	Unspecified Tank	1984 - 1993	220884
BU	420m SW	Unspecified Tank	1984 - 1993	217969
BV	421m NE	Unspecified Tank	1979 - 1993	218771
BU	421m SW	Unspecified Tank	1984	210055
BL	421m N	Tanks	1977 - 1993	217745
BU	422m SW	Unspecified Tank	1993	214537
BU	424m SW	Unspecified Tank	1984 - 1993	215707



ID	Location	Land use	Dates present	Group ID
BP	425m SE	Unspecified Tank	1983 - 1993	222131
BU	428m SW	Tanks	1984 - 1993	217270
BO	433m SW	Unspecified Tank	1984 - 1993	212893
BU	434m SW	Unspecified Tank	1984 - 1993	214427
BG	436m S	Tanks	1984 - 1993	221419
BU	436m SW	Unspecified Tank	1984 - 1993	210969
BL	438m N	Unspecified Tank	1977	217959
BL	438m N	Unspecified Tank	1989 - 1993	221264
BP	439m SE	Unspecified Tank	1983 - 1993	218046
BL	443m N	Unspecified Tank	1989 - 1993	210036
BL	443m N	Unspecified Tank	1977	220344
BK	446m S	Unspecified Tank	1983 - 1993	217531
35	447m E	Unspecified Tank	1967	202867
BL	449m N	Unspecified Tank	1977	207768
BL	449m N	Unspecified Tank	1989 - 1993	220133
BL	452m N	Unspecified Tank	1993	202880
BP	466m SE	Unspecified Tank	1983 - 1993	209124
BL	467m N	Tanks	1993	206228
BL	468m N	Tanks	1993	206229
CB	472m NW	Unspecified Tank	1989 - 1993	221695
CB	472m NW	Unspecified Tank	1989 - 1993	218796
CD	472m NW	Unspecified Tank	1989 - 1993	216194
CC	472m NW	Tanks	1986 - 1997	209045
CD	473m NW	Unspecified Tank	1989 - 1993	219448
40	473m S	Settling Tanks	1983 - 1993	214713
CC	473m NW	Tanks	1986 - 1997	217658
CE	473m NW	Unspecified Tank	1986 - 1997	214629
CF	473m S	Tanks	1983	206207



ID	Location	Land use	Dates present	Group ID
CF	475m S	Tanks	1983	206208
BL	476m N	Unspecified Tank	1977 - 1993	217589
CF	479m S	Tanks	1983	206286
BP	483m SE	Unspecified Tank	1983	222024
BP	483m SE	Unspecified Tank	1993	219727
CF	490m S	Tanks	1983	213907
CF	491m S	Settling Tanks	1983 - 1993	221681
CF	491m S	Tanks	1983 - 1993	211791
CG	499m SW	Unspecified Tank	1968 - 1984	218672

This data is sourced from Ordnance Survey / Groundsure.

### 1.3 Historical energy features

**Records within 500m**

**36**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
<b>E</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1997</b>	<b>120824</b>
<b>E</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1979 - 1989</b>	<b>122566</b>
<b>G</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1978 - 1993</b>	<b>124257</b>
<b>H</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1993</b>	<b>120522</b>
<b>H</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1980 - 1984</b>	<b>127033</b>
<b>I</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1989 - 1997</b>	<b>124807</b>
J	2m E	Electricity Substation	1979	128221
J	5m E	Electricity Substation	1984 - 1989	121147
N	7m SE	Electricity Substation	1984 - 1989	121370



ID	Location	Land use	Dates present	Group ID
J	7m E	Electricity Substation	1994	118864
N	9m SE	Electricity Substation	1979 - 1997	123695
M	13m E	Electricity Substation	1984 - 1989	127616
M	17m E	Electricity Substation	1994	121225
S	49m S	Electricity Substation	1979 - 1989	120076
S	50m S	Electricity Substation	1997	125738
N	55m SE	Electricity Substation	1979 - 1997	120305
W	68m S	Electricity Substation	1997	128097
W	71m S	Electricity Substation	1979 - 1989	119700
C	80m S	Electricity Substation	1997	118566
C	80m S	Electricity Substation	1974	119398
C	80m S	Electricity Substation	1979	119399
C	82m S	Electricity Substation	1993	119338
C	82m S	Electricity Substation	1983	119357
C	83m S	Electricity Substation	1989	121966
T	113m NE	Electricity Substation	1980	117572
F	116m E	Electricity Substation	1980 - 1993	125269
L	187m NE	Electricity Substation	1979 - 1993	119959
AK	249m S	Electricity Substation	1983 - 1993	128448
AS	271m E	Electricity Substation	1970 - 1993	125310
AS	271m E	Electricity Substation	1969	124028
AS	278m E	Electricity Substation	1970	117466
BE	340m SE	Electricity Substation	1971 - 1994	120402
BF	356m S	Electricity Substation	1983 - 1993	124144
BV	435m NE	Electricity Substation	1979 - 1993	123637
37	454m NE	Electricity Substation	1979 - 1993	126361
BL	467m N	Electricity Substation	1977	117568

*This data is sourced from Ordnance Survey / Groundsure.*



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 1 February 2024

## 1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

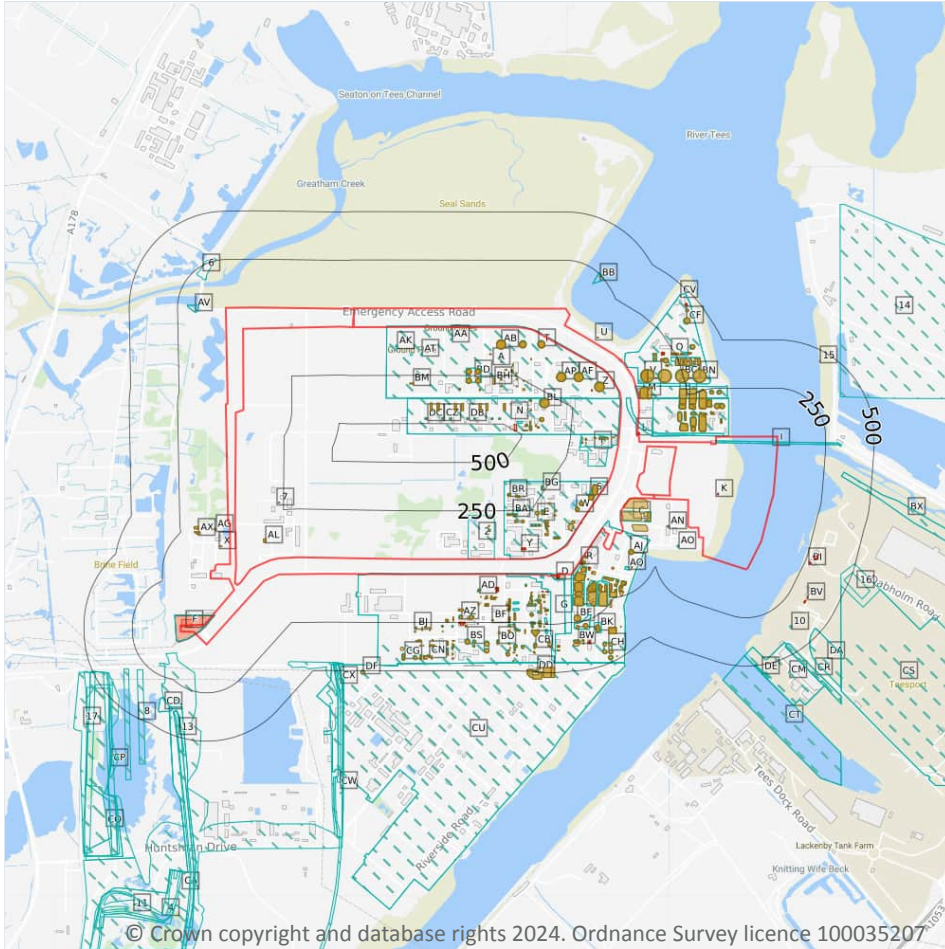
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

### 2.1 Historical industrial land uses

**Records within 500m** **323**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 43](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Oil Refinery	1994	1339191
A	On site	Oil Refinery	1981	1338923
B	On site	Unspecified Depot	1994	1374318

ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Depot	1981	1374318
C	On site	Unspecified Tanks	1992	1319163
D	On site	Electric Substation	1992	1366712
D	On site	Electric Substation	1988	1366712
E	On site	Unspecified Works	1992	1355515
E	On site	Unspecified Works	1988	1355515
F	On site	Electric Substation	1992	1400257
F	On site	Electric Substation	1988	1400257
G	On site	Railway Sidings	1992	1388612
G	On site	Unspecified Works	1992	1345603
G	On site	Unspecified Works	1988	1345603
G	On site	Railway Sidings	1988	1388612
H	On site	Railway Sidings	1992	1386042
H	On site	Railway Sidings	1988	1386042
I	On site	Tunnel	1992	1347130
I	On site	Tunnel	1988	1347130
2	1m S	Unspecified Works	1992	1328838
B	4m E	Unspecified Depot	1992	1374318
B	4m E	Unspecified Depot	1988	1374318
M	4m NE	Unspecified Tanks	1994	1319151
N	4m NE	Oil Refinery	1992	1339192
N	4m NE	Oil Refinery	1988	1338924
O	5m NE	Oil Terminal	1994	1355790
O	5m NE	Oil Terminal	1981	1355790
P	6m E	Unspecified Works	1992	1365482
P	6m E	Unspecified Works	1988	1365482
Q	6m S	Railway Building	1992	1375151
Q	6m S	Railway Building	1988	1375151





ID	Location	Land Use	Date	Group ID
R	7m SE	Unspecified Tanks	1992	1387332
R	7m SE	Unspecified Tanks	1988	1387332
R	15m SE	Unspecified Tanks	1992	1398028
R	15m SE	Unspecified Tanks	1988	1398028
S	17m SE	Unspecified Tanks	1992	1348565
S	17m SE	Unspecified Tanks	1988	1348565
T	25m N	Unspecified Tank	1994	1399338
T	25m N	Unspecified Tank	1981	1399338
V	38m NE	Unspecified Tanks	1994	1394729
V	38m NE	Unspecified Tanks	1981	1394729
W	44m SE	Unspecified Tanks	1992	1319162
W	44m SE	Unspecified Tank	1988	1326023
W	45m SE	Unspecified Tanks	1992	1319161
W	45m SE	Unspecified Tank	1988	1326024
G	50m S	Unspecified Tanks	1992	1344591
G	50m S	Unspecified Tanks	1988	1344591
E	51m SE	Unspecified Tanks	1992	1361314
E	51m SE	Unspecified Tanks	1988	1361314
Z	51m NE	Unspecified Tank	1994	1402517
Z	51m NE	Unspecified Tank	1981	1402517
P	58m E	Unspecified Tanks	1992	1319160
B	58m E	Unspecified Tanks	1992	1387909
B	58m E	Unspecified Tanks	1988	1387909
B	58m E	Unspecified Tanks	1992	1370930
B	58m E	Unspecified Tanks	1988	1370930
AA	60m NW	Chimney	1994	1389931
AA	60m NW	Chimney	1981	1389931
B	60m E	Unspecified Tanks	1992	1401963



ID	Location	Land Use	Date	Group ID
B	60m E	Unspecified Tanks	1988	1401963
AB	64m N	Unspecified Tank	1994	1359617
AB	64m N	Unspecified Tank	1981	1359617
AC	64m N	Unspecified Tank	1994	1368745
AC	64m N	Unspecified Tank	1981	1368745
B	70m E	Unspecified Tanks	1992	1363848
B	70m E	Unspecified Tanks	1988	1363848
AF	72m NE	Unspecified Tank	1994	1392584
AF	72m NE	Unspecified Tank	1981	1392584
AD	76m S	Unspecified Tanks	1992	1390780
AD	76m S	Unspecified Tanks	1988	1390780
AJ	94m SE	Unspecified Tank	1992	1352738
AJ	94m SE	Unspecified Tank	1988	1352738
AK	94m NW	Unspecified Tank	1994	1375581
AK	94m NW	Unspecified Tank	1981	1375581
AN	98m SE	Unspecified Tank	1992	1326029
R	102m SE	Unspecified Tanks	1992	1369007
R	102m SE	Unspecified Tanks	1988	1369007
B	108m E	Unspecified Tanks	1992	1382774
B	108m E	Unspecified Tanks	1988	1382774
AO	109m SE	Unspecified Tank	1992	1326031
4	113m SW	Steel Works	1913	1345678
B	114m E	Unspecified Tanks	1992	1372697
B	114m E	Unspecified Tanks	1988	1372697
AP	117m NE	Unspecified Tank	1994	1358729
AP	117m NE	Unspecified Tank	1981	1358729
G	118m S	Unspecified Tanks	1992	1363171
G	118m S	Unspecified Tanks	1988	1363171



ID	Location	Land Use	Date	Group ID
AQ	122m SE	Unspecified Depot	1992	1345097
AQ	122m SE	Unspecified Depot	1988	1345097
B	123m E	Unspecified Tanks	1992	1343212
B	123m E	Unspecified Tanks	1988	1343212
AR	123m NE	Unspecified Tanks	1994	1354481
AR	123m NE	Unspecified Tanks	1981	1354481
G	127m S	Unspecified Tanks	1992	1341227
G	127m S	Unspecified Tanks	1988	1341227
E	127m S	Unspecified Tanks	1992	1370182
E	127m S	Unspecified Tanks	1988	1370182
O	133m NE	Unspecified Tanks	1994	1340761
O	133m NE	Unspecified Tanks	1981	1340761
5	135m NW	Unspecified Tank	1994	1325977
R	137m SE	Unspecified Tanks	1992	1342591
R	137m SE	Unspecified Tanks	1988	1342591
AT	138m NW	Unspecified Tank	1994	1349063
AT	138m NW	Unspecified Tank	1981	1349063
AV	142m NW	Unspecified Pit	1920	1359166
AV	142m NW	Unspecified Pit	1927	1371619
G	142m S	Unspecified Tanks	1992	1404716
B	142m E	Unspecified Tanks	1992	1372952
B	142m E	Unspecified Tanks	1988	1372952
R	142m SE	Unspecified Tanks	1992	1405236
R	142m SE	Unspecified Tanks	1988	1405236
G	144m S	Unspecified Tanks	1988	1404716
G	145m S	Unspecified Tanks	1992	1397330
G	145m S	Unspecified Tanks	1988	1397330
AW	146m SW	Unspecified Tank	1992	1326017



ID	Location	Land Use	Date	Group ID
B	148m E	Unspecified Tanks	1992	1372642
B	148m E	Unspecified Tanks	1988	1372642
G	150m S	Unspecified Tanks	1992	1396927
G	150m S	Unspecified Tanks	1988	1396927
B	159m E	Unspecified Tanks	1992	1399559
B	159m E	Unspecified Tanks	1988	1399559
E	161m S	Unspecified Tanks	1992	1347927
E	161m S	Unspecified Tanks	1988	1347927
P	169m E	Unspecified Tank	1992	1326025
G	170m S	Unspecified Tanks	1992	1385930
G	170m S	Unspecified Tanks	1988	1385930
B	173m E	Unspecified Tanks	1992	1398705
B	173m E	Unspecified Tanks	1988	1398705
B	175m E	Unspecified Tanks	1992	1393084
B	175m E	Unspecified Tanks	1988	1393084
G	175m S	Unspecified Tanks	1992	1360851
R	176m SE	Unspecified Tanks	1992	1381268
R	176m SE	Unspecified Tanks	1988	1381268
O	177m NE	Unspecified Tank	1994	1388106
G	177m S	Unspecified Tanks	1988	1360851
O	178m NE	Unspecified Tank	1981	1388106
6	178m NW	Railway Sidings	1896	1305692
G	178m S	Unspecified Tanks	1992	1343451
G	178m S	Unspecified Tanks	1988	1343451
P	185m E	Unspecified Tank	1992	1326026
G	187m S	Unspecified Tanks	1992	1345323
G	187m S	Unspecified Tanks	1988	1345323
E	189m S	Unspecified Tanks	1992	1397640



ID	Location	Land Use	Date	Group ID
E	189m S	Unspecified Tanks	1988	1397640
BB	191m N	Oil Terminal	1994	1367955
BB	191m N	Oil Terminal	1981	1367955
G	197m S	Unspecified Tanks	1992	1356131
G	197m S	Unspecified Tanks	1988	1356131
G	199m S	Unspecified Tanks	1992	1401239
G	199m S	Unspecified Tanks	1988	1401239
B	203m E	Unspecified Tanks	1994	1399559
B	203m E	Unspecified Tanks	1981	1399559
B	208m E	Unspecified Tanks	1994	1398705
B	208m E	Unspecified Tanks	1981	1398705
BC	211m NE	Unspecified Tanks	1994	1348890
BC	211m NE	Unspecified Tanks	1981	1348890
BD	212m NW	Unspecified Tanks	1994	1355487
BD	212m NW	Unspecified Tanks	1981	1355487
AZ	212m SW	Unspecified Tanks	1992	1349738
AZ	212m SW	Unspecified Tanks	1988	1349738
AZ	212m S	Unspecified Tanks	1992	1361471
AZ	212m S	Unspecified Tanks	1988	1361471
BE	213m S	Unspecified Tanks	1992	1388624
BE	213m S	Unspecified Tanks	1988	1388624
O	215m NE	Unspecified Tanks	1994	1391176
O	215m NE	Unspecified Tanks	1981	1391176
G	217m S	Unspecified Tanks	1992	1399669
G	217m S	Unspecified Tanks	1988	1399669
B	220m E	Unspecified Tanks	1994	1371928
B	220m E	Unspecified Tanks	1981	1371928
B	223m E	Unspecified Tanks	1994	1393084



ID	Location	Land Use	Date	Group ID
B	223m E	Unspecified Tanks	1981	1393084
B	223m E	Unspecified Tanks	1994	1342001
B	223m E	Unspecified Tanks	1981	1342001
BA	227m S	Unspecified Tanks	1992	1357404
BA	227m S	Unspecified Tanks	1988	1357404
BE	228m S	Unspecified Pits	1992	1316521
BE	228m S	Unspecified Tanks	1988	1319164
G	233m S	Unspecified Tanks	1992	1372441
G	233m S	Unspecified Tanks	1988	1372441
G	245m S	Unspecified Tanks	1992	1389115
G	245m S	Unspecified Tanks	1988	1389115
BA	248m S	Chimney	1992	1392649
BA	248m S	Chimney	1988	1392649
G	254m S	Unspecified Tanks	1992	1366947
G	254m S	Unspecified Tanks	1988	1366947
BG	257m SE	Unspecified Tanks	1992	1363000
BG	257m SE	Unspecified Tanks	1988	1363000
G	258m S	Unspecified Tanks	1992	1361188
G	258m S	Unspecified Tanks	1988	1361188
AZ	264m SW	Unspecified Tanks	1992	1352777
AZ	264m SW	Unspecified Tanks	1988	1352777
AZ	265m SW	Unspecified Tanks	1992	1351057
AZ	265m SW	Unspecified Tanks	1988	1351057
BJ	273m SW	Unspecified Tanks	1992	1383671
BJ	273m SW	Unspecified Tanks	1988	1383671
BK	276m SE	Unspecified Tanks	1992	1405653
BK	276m SE	Unspecified Tanks	1988	1405653
G	277m S	Unspecified Tanks	1992	1364673



ID	Location	Land Use	Date	Group ID
G	277m S	Unspecified Tanks	1988	1364673
G	277m S	Unspecified Tanks	1992	1390736
G	277m S	Unspecified Tanks	1988	1390736
BL	278m N	Unspecified Tanks	1992	1319149
BL	278m N	Unspecified Tank	1988	1326028
8	278m SW	Rifle Ranges	1897	1320284
G	283m S	Unspecified Tanks	1992	1342393
G	283m S	Unspecified Tanks	1988	1342393
BN	292m NE	Unspecified Tanks	1981	1349492
BN	292m NE	Unspecified Tanks	1994	1349492
O	292m NE	Unspecified Tank	1994	1347669
O	292m NE	Unspecified Tank	1981	1347669
BP	318m N	Unspecified Tank	1992	1351034
BP	318m N	Unspecified Tank	1988	1351034
BR	325m SW	Unspecified Tanks	1992	1378718
BR	325m SW	Unspecified Tanks	1988	1378718
O	330m NE	Unspecified Tank	1994	1396937
O	332m NE	Unspecified Tank	1981	1396937
9	333m SW	Rifle Ranges	1897	1320283
BS	334m S	Unspecified Tanks	1992	1369528
BS	334m S	Unspecified Tanks	1988	1369528
BO	340m S	Unspecified Tanks	1992	1406092
BO	340m S	Unspecified Tanks	1988	1406092
BS	340m S	Unspecified Tanks	1992	1370367
BS	340m S	Unspecified Tanks	1988	1370367
BW	340m S	Unspecified Tanks	1992	1343950
BW	340m S	Unspecified Tanks	1988	1343950
BX	342m E	Railway Sidings	1991	1391631



ID	Location	Land Use	Date	Group ID
BX	342m E	Railway Sidings	1983	1391631
BW	343m S	Unspecified Tanks	1992	1376923
BW	343m S	Unspecified Tanks	1988	1376923
BZ	346m S	Unspecified Tanks	1992	1350525
BZ	346m S	Unspecified Tanks	1988	1350525
CA	348m SW	Railway Sidings	1920	1357937
CA	348m SW	Railway Sidings	1927	1347742
CB	353m S	Unspecified Tanks	1992	1360579
CB	353m S	Unspecified Tanks	1988	1360579
CC	353m S	Unspecified Tanks	1992	1361853
CC	353m S	Unspecified Tanks	1988	1361853
CD	354m SW	Unspecified Pit	1992	1373969
CD	354m SW	Unspecified Pit	1988	1373969
CC	363m S	Unspecified Tanks	1992	1358986
CC	363m S	Unspecified Tanks	1988	1358986
CC	366m S	Unspecified Tanks	1992	1368108
CC	366m S	Unspecified Tanks	1988	1368108
10	369m SE	Unspecified Pit	1955	1336702
N	373m N	Unspecified Tanks	1992	1319150
N	373m N	Unspecified Tank	1988	1326027
11	374m SW	Railway Sidings	1913	1360083
CF	376m NE	Unspecified Tank	1994	1362181
CF	376m NE	Unspecified Tank	1981	1362181
12	376m SW	Railway Sidings	1923	1375199
13	378m SW	Railway Sidings	1913	1377042
BY	379m S	Unspecified Tanks	1992	1374853
BY	379m S	Unspecified Tanks	1988	1374853
BY	381m SW	Unspecified Tanks	1992	1369185





ID	Location	Land Use	Date	Group ID
BY	381m SW	Unspecified Tanks	1988	1369185
14	386m E	Unspecified Works	1980	1387726
CH	389m SE	Unspecified Tanks	1992	1375352
CH	389m SE	Unspecified Tanks	1988	1375352
CM	403m SE	Terminal	1992	1327272
CM	403m SE	Unspecified Commercial/Industrial	1988	1307071
CC	403m S	Unspecified Tanks	1992	1399544
CC	403m S	Unspecified Tanks	1988	1399544
CG	410m SW	Unspecified Tanks	1992	1363955
CG	410m SW	Unspecified Tanks	1988	1363955
CN	416m SW	Unspecified Tanks	1992	1347709
CN	416m SW	Unspecified Tanks	1988	1347709
CN	417m SW	Unspecified Tanks	1992	1378655
CN	417m SW	Unspecified Tanks	1988	1378655
CO	419m NE	Unspecified Tank	1994	1366561
CO	419m NE	Unspecified Tank	1981	1366561
CN	420m SW	Unspecified Tanks	1992	1387504
CN	420m SW	Unspecified Tanks	1988	1387504
CP	428m SW	Rifle Ranges	1897	1320282
CQ	434m SW	Disused Rifle Range	1913	1358443
N	436m N	Unspecified Tanks	1992	1347154
N	436m N	Unspecified Tanks	1988	1347154
CP	437m SW	Disused Rifle Range	1920	1357554
CP	437m SW	Disused Rifle Range	1927	1356839
CR	439m SE	Railway Sidings	1992	1359028
CR	439m SE	Railway Sidings	1988	1359028
N	441m N	Unspecified Tanks	1992	1389063
N	441m N	Unspecified Tanks	1988	1389063



ID	Location	Land Use	Date	Group ID
N	441m N	Chimneys	1992	1357150
N	441m N	Chimneys	1988	1357150
CS	446m E	Refinery	1983	1338919
CT	446m SE	Dock	1992	1354809
CT	446m SE	Dock	1988	1354809
CU	448m S	Oil Refinery Works	1992	1399407
CU	448m S	Oil Refinery Works	1988	1399407
CP	449m SW	Disused Rifle Range	1913	1357554
CW	458m SW	Railway Sidings	1920	1350025
CW	458m SW	Railway Sidings	1927	1372407
CX	461m SW	Railway Sidings	1913	1399900
CH	465m SE	Unspecified Tanks	1992	1362921
CH	465m SE	Unspecified Tanks	1988	1362921
CY	467m NW	Unspecified Tanks	1992	1358849
CY	467m NW	Unspecified Tanks	1988	1358849
CZ	468m NW	Unspecified Tanks	1992	1343137
CZ	468m NW	Unspecified Tanks	1988	1343137
DA	468m SE	Refinery	1992	1404256
DA	468m SE	Refinery	1988	1338920
CY	468m NW	Unspecified Tanks	1992	1368410
CY	468m NW	Unspecified Tanks	1988	1368410
CZ	468m NW	Unspecified Tanks	1992	1354701
CZ	468m NW	Unspecified Tanks	1988	1354701
DB	468m NW	Unspecified Tanks	1992	1401840
DB	468m NW	Unspecified Tanks	1988	1401840
DB	469m NW	Unspecified Tanks	1992	1396919
DB	469m NW	Unspecified Tanks	1988	1396919
DC	469m NW	Unspecified Tanks	1992	1347632



ID	Location	Land Use	Date	Group ID
DC	469m NW	Unspecified Tanks	1988	1347632
CX	469m SW	Railway Sidings	1923	1398979
CQ	469m SW	Disused Rifle Range	1923	1383970
CS	471m E	Refinery	1974	1339096
16	473m E	Unspecified Tanks	1983	1319165
DD	490m S	Unspecified Tanks	1992	1349849
DD	490m S	Unspecified Tanks	1988	1349849
17	490m SW	Rifle Ranges	1897	1320281
DE	494m SE	Unspecified Wharf	1992	1360494
DE	494m SE	Unspecified Wharf	1988	1360494
DF	498m SW	Unspecified Tank	1992	1401157
DF	498m SW	Unspecified Tank	1988	1401157

This data is sourced from Ordnance Survey / Groundsure.

## 2.2 Historical tanks

**Records within 500m**

**811**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 43 >](#)

ID	Location	Land Use	Date	Group ID
<b>1</b>	<b>On site</b>	<b>Tanks</b>	<b>1997</b>	<b>206258</b>
C	2m SE	Tanks	1997	206259
M	7m NE	Tanks	1984	214588
M	7m NE	Tanks	1987	212056
M	8m NE	Tanks	1993	210808
R	8m SE	Tanks	1984	210677
R	8m SE	Tanks	1989	210677
R	8m SE	Unspecified Tank	1984	211936



ID	Location	Land Use	Date	Group ID
R	8m SE	Unspecified Tank	1989	211936
R	9m SE	Tanks	1997	210677
R	9m SE	Tanks	1997	206275
R	9m SE	Unspecified Tank	1979	211936
R	11m SE	Unspecified Tank	1979	202968
M	12m NE	Unspecified Tank	1994	202877
S	13m SE	Tanks	1994	211436
S	13m SE	Tanks	1979	222144
J	14m SE	Tanks	1997	206266
S	14m SE	Tanks	1984	211436
S	14m SE	Tanks	1989	211436
S	15m SE	Unspecified Tank	1997	214214
S	15m SE	Unspecified Tank	1979	209746
S	16m SE	Unspecified Tank	1984	214214
S	16m SE	Unspecified Tank	1989	214214
R	21m SE	Tanks	1997	216751
R	22m SE	Tanks	1984	210094
R	22m SE	Tanks	1989	210094
R	22m SE	Unspecified Tank	1984	218335
R	22m SE	Unspecified Tank	1989	218335
R	23m SE	Tanks	1979	211558
P	25m E	Unspecified Tank	1984	202890
R	25m SE	Unspecified Tank	1997	219586
R	26m SE	Unspecified Tank	1984	213870
R	26m SE	Unspecified Tank	1989	213870
T	27m N	Unspecified Tank	1987	209702
T	27m N	Unspecified Tank	1980	220256
J	27m SE	Unspecified Tank	1997	207950



ID	Location	Land Use	Date	Group ID
T	27m N	Unspecified Tank	1993	218507
T	27m N	Unspecified Tank	1980	218507
R	27m SE	Unspecified Tank	1979	211909
J	27m SE	Unspecified Tank	1989	207950
P	28m E	Unspecified Tank	1994	202891
U	30m NE	Unspecified Tank	1993	213864
U	30m NE	Unspecified Tank	1987	213864
U	31m NE	Unspecified Tank	1980	213864
U	31m NE	Unspecified Tank	1984	213864
P	36m E	Unspecified Tank	1994	202889
V	40m NE	Unspecified Tank	1987	215261
V	41m NE	Unspecified Tank	1984	210205
V	41m NE	Unspecified Tank	1993	215261
V	41m NE	Unspecified Tank	1980	210205
W	42m SE	Unspecified Tank	1979	208020
W	42m SE	Unspecified Tank	1979	212435
W	43m SE	Unspecified Tank	1984	220507
W	43m SE	Unspecified Tank	1989	220507
W	43m SE	Unspecified Tank	1984	208139
W	43m SE	Unspecified Tank	1989	208139
X	43m W	Unspecified Tank	1994	222305
X	43m W	Unspecified Tank	1994	222305
W	44m SE	Unspecified Tank	1997	208803
W	44m SE	Unspecified Tank	1997	208139
M	46m NE	Tanks	1993	210808
M	46m NE	Unspecified Tank	1993	216683
M	47m NE	Unspecified Tank	1984	216683
R	47m S	Tanks	1997	211688



ID	Location	Land Use	Date	Group ID
R	47m S	Tanks	1984	213853
R	47m S	Tanks	1989	213853
R	48m S	Tanks	1979	218377
3	49m SE	Tanks	1997	206260
E	50m SE	Tanks	1984	207691
E	50m SE	Tanks	1979	207691
Z	51m NE	Unspecified Tank	1984	214999
Z	52m NE	Unspecified Tank	1980	215764
Z	52m NE	Unspecified Tank	1987	207755
Z	52m NE	Unspecified Tank	1993	215764
P	55m E	Tanks	1994	206241
B	56m E	Tanks	1993	208440
G	56m S	Unspecified Tank	1979	219836
G	56m S	Unspecified Tank	1989	219836
G	56m S	Unspecified Tank	1989	219836
B	56m E	Tanks	1984	209426
B	57m E	Tanks	1993	220360
G	57m S	Unspecified Tank	1997	219836
B	57m E	Tanks	1984	214332
B	57m E	Tanks	1980	208440
B	57m E	Tanks	1993	209350
B	57m E	Tanks	1980	219034
B	58m E	Tanks	1984	209037
B	58m E	Tanks	1980	211132
R	60m SE	Unspecified Tank	1984	218354
R	60m SE	Unspecified Tank	1989	218354
R	61m SE	Unspecified Tank	1997	218354
R	61m SE	Unspecified Tank	1979	218354



ID	Location	Land Use	Date	Group ID
V	65m NE	Unspecified Tank	1979	216811
AB	65m N	Unspecified Tank	1980	221232
V	65m NE	Unspecified Tank	1993	215261
AB	66m N	Unspecified Tank	1987	220514
AB	67m N	Unspecified Tank	1993	209403
AB	67m N	Unspecified Tank	1980	209403
AC	67m N	Unspecified Tank	1987	214374
AC	68m N	Unspecified Tank	1980	212422
AC	68m N	Unspecified Tank	1993	221318
AC	68m N	Unspecified Tank	1980	221318
B	70m E	Tanks	1993	214447
B	70m E	Tanks	1984	214447
B	70m E	Tanks	1980	214447
AE	72m SE	Tanks	1997	207838
AE	72m E	Tanks	1993	207838
AG	74m W	Unspecified Tank	1994	211845
AG	74m W	Unspecified Tank	1994	211845
AF	75m NE	Unspecified Tank	1984	211497
AF	76m NE	Unspecified Tank	1993	217582
AF	76m NE	Unspecified Tank	1987	213198
AF	76m NE	Unspecified Tank	1980	221499
P	78m E	Unspecified Tank	1994	202888
AD	79m S	Tanks	1997	210900
AD	79m S	Tanks	1989	219148
AD	79m S	Unspecified Tank	1989	202972
R	82m SE	Tanks	1984	219361
R	82m SE	Tanks	1989	219361
R	83m SE	Tanks	1979	219361



ID	Location	Land Use	Date	Group ID
B	83m E	Tanks	1984	215406
B	83m E	Tanks	1993	208317
R	83m SE	Tanks	1997	208611
P	84m E	Unspecified Tank	1994	202884
B	84m E	Tanks	1980	210660
R	85m SE	Unspecified Tank	1984	208132
R	85m SE	Unspecified Tank	1989	208132
AD	86m S	Tanks	1997	222168
R	86m SE	Unspecified Tank	1979	208132
AD	86m S	Tanks	1989	219148
G	90m S	Tanks	1974	206232
AD	91m S	Unspecified Tank	1983	212750
AD	92m S	Unspecified Tank	1993	217851
AH	93m SE	Unspecified Tank	1997	219384
AH	93m SE	Unspecified Tank	1989	219384
AI	93m N	Unspecified Tank	1987	209416
AI	94m N	Unspecified Tank	1980	209416
AI	94m N	Unspecified Tank	1980	209416
AL	94m W	Tanks	1994	212614
AL	94m W	Tanks	1997	212614
AJ	95m SE	Unspecified Tank	1997	215319
E	95m S	Tanks	1997	206267
AJ	95m SE	Unspecified Tank	1984	209154
AJ	95m SE	Unspecified Tank	1989	209154
AM	95m S	Unspecified Tank	1989	217436
AM	96m S	Unspecified Tank	1979	217436
R	96m S	Tanks	1974	218377
R	96m S	Tanks	1983	213853





ID	Location	Land Use	Date	Group ID
R	97m S	Tanks	1993	219645
AN	97m SE	Unspecified Tank	1993	202923
P	98m E	Unspecified Tank	1994	220630
G	99m S	Tanks	1983	219328
G	99m S	Tanks	1974	219328
P	100m E	Unspecified Tank	1984	220249
P	100m E	Unspecified Tank	1989	220249
E	100m S	Tanks	1997	206273
G	101m S	Tanks	1983	206274
G	101m S	Unspecified Tank	1974	202960
G	102m S	Tanks	1983	206233
B	105m E	Tanks	1984	211180
B	105m E	Tanks	1993	211180
G	107m S	Tanks	1983	206279
G	108m S	Tanks	1983	206280
G	110m S	Tanks	1983	206278
G	110m S	Unspecified Tank	1974	213127
G	110m S	Unspecified Tank	1993	213127
E	110m S	Tanks	1997	206268
AD	110m S	Tanks	1983	218727
R	111m SE	Tanks	1984	217855
R	111m SE	Tanks	1989	217855
B	111m E	Tanks	1984	210154
AO	111m SE	Unspecified Tank	1993	202924
G	111m S	Unspecified Tank	1974	202961
B	111m E	Tanks	1993	210154
AD	111m S	Tanks	1993	218727
R	111m SE	Tanks	1997	217036



ID	Location	Land Use	Date	Group ID
AE	112m SE	Tanks	1997	206261
R	112m SE	Tanks	1979	215960
AD	112m S	Tanks	1983	222445
AD	112m S	Tanks	1993	222445
R	115m SE	Tanks	1997	215066
B	115m E	Tanks	1993	206242
AD	116m S	Unspecified Tank	1983	214246
AD	116m S	Unspecified Tank	1993	214246
AD	117m S	Tanks	1974	219489
B	117m E	Tanks	1993	217490
B	117m E	Tanks	1993	207989
AD	118m S	Unspecified Tank	1983	219551
AD	118m S	Unspecified Tank	1974	219551
P	118m E	Tanks	1994	206240
B	118m E	Tanks	1984	217490
B	118m E	Tanks	1980	217490
B	118m E	Tanks	1980	207989
B	119m E	Unspecified Tank	1984	202878
AP	119m NE	Unspecified Tank	1987	214178
AP	119m NE	Unspecified Tank	1984	214178
AP	119m NE	Unspecified Tank	1993	222062
AP	120m NE	Unspecified Tank	1980	219464
R	120m S	Tanks	1974	210236
R	120m S	Tanks	1983	210236
R	120m S	Tanks	1993	221363
AD	121m S	Tanks	1983	215270
AD	121m S	Tanks	1993	216337
G	121m S	Tanks	1974	206231



ID	Location	Land Use	Date	Group ID
AD	122m S	Tanks	1974	212507
AD	122m S	Tanks	1983	216451
AD	122m S	Tanks	1993	212507
B	124m E	Tanks	1993	215612
AD	124m S	Tanks	1983	208278
B	125m E	Tanks	1993	216790
AD	125m S	Tanks	1993	208278
E	125m S	Tanks	1989	218580
B	125m E	Tanks	1980	215612
E	125m S	Tanks	1979	218580
B	125m E	Tanks	1993	217524
P	125m E	Tanks	1994	206238
B	126m E	Tanks	1980	216790
B	126m E	Unspecified Tank	1984	202879
B	126m E	Tanks	1984	216790
G	126m S	Unspecified Tank	1983	202958
AR	126m NE	Unspecified Tank	1979	220179
AR	127m NE	Unspecified Tank	1993	220179
E	128m SE	Unspecified Tank	1989	207876
G	129m S	Tanks	1983	219787
G	130m S	Tanks	1993	217271
E	130m S	Tanks	1979	210613
E	130m S	Tanks	1989	215600
R	130m SE	Tanks	1983	217855
G	131m S	Tanks	1974	214489
E	131m SE	Unspecified Tank	1997	207876
R	131m SE	Tanks	1993	211117
G	131m S	Tanks	1983	214489



ID	Location	Land Use	Date	Group ID
G	133m S	Unspecified Tank	1974	202962
G	133m S	Tanks	1974	211796
G	133m S	Tanks	1983	206234
E	134m S	Tanks	1997	217419
G	134m S	Tanks	1983	211796
AS	134m N	Unspecified Tank	1987	221674
AS	134m N	Unspecified Tank	1993	215941
AS	134m N	Unspecified Tank	1980	215941
AS	134m N	Unspecified Tank	1980	215941
G	135m S	Tanks	1983	216588
E	135m SE	Tanks	1997	206265
AU	138m N	Unspecified Tank	1993	215396
AU	138m N	Unspecified Tank	1980	215396
E	138m S	Tanks	1979	208147
AU	138m N	Unspecified Tank	1980	215396
AU	138m N	Unspecified Tank	1987	215396
E	138m S	Tanks	1997	206270
G	139m S	Tanks	1983	206235
O	139m NE	Unspecified Tank	1979	213753
O	139m NE	Unspecified Tank	1993	213753
B	139m E	Tanks	1993	212344
E	140m SE	Unspecified Tank	1997	202969
B	140m E	Tanks	1984	213222
B	141m E	Tanks	1980	212344
G	141m S	Tanks	1983	208957
E	142m S	Tanks	1997	206269
AW	142m SW	Unspecified Tank	1989	209615
AW	142m SW	Unspecified Tank	1989	209615



ID	Location	Land Use	Date	Group ID
G	144m S	Tanks	1974	209713
R	144m SE	Tanks	1997	218561
G	144m S	Tanks	1983	209713
B	145m E	Unspecified Tank	1993	213741
E	145m S	Tanks	1997	206271
B	145m E	Unspecified Tank	1993	210802
AW	145m SW	Unspecified Tank	1997	209615
R	145m SE	Tanks	1984	215294
R	145m SE	Tanks	1989	215294
B	146m E	Unspecified Tank	1984	218302
AQ	146m SE	Unspecified Tank	1984	210998
AQ	146m SE	Unspecified Tank	1989	210998
B	146m E	Unspecified Tank	1980	213490
B	146m E	Unspecified Tank	1980	218302
B	146m E	Unspecified Tank	1984	210338
AQ	146m SE	Unspecified Tank	1997	210998
AD	147m S	Unspecified Tank	1993	202971
G	147m S	Tanks	1983	206284
G	148m S	Tanks	1983	222381
G	148m S	Tanks	1974	222381
R	149m SE	Tanks	1984	208513
R	149m SE	Tanks	1989	208513
G	149m S	Tanks	1983	214117
R	149m SE	Tanks	1997	213102
G	149m S	Tanks	1993	214716
R	150m SE	Tanks	1979	208513
O	151m NE	Unspecified Tank	1979	221710
O	151m NE	Unspecified Tank	1993	221710



ID	Location	Land Use	Date	Group ID
E	151m S	Tanks	1997	206272
AD	151m S	Tanks	1983	214947
AD	152m S	Tanks	1993	206215
AD	152m S	Tanks	1993	206216
AD	152m S	Tanks	1993	214578
G	153m S	Unspecified Tank	1974	202963
AX	154m W	Tanks	1994	209516
AX	154m W	Tanks	1994	209516
G	154m S	Unspecified Tank	1974	214248
B	155m E	Tanks	1993	210800
G	155m S	Unspecified Tank	1983	214248
B	155m E	Tanks	1993	213920
G	155m S	Tanks	1983	215938
G	155m S	Tanks	1974	211524
AX	155m W	Tanks	1994	219851
AX	155m W	Tanks	1994	219851
G	156m S	Tanks	1983	211524
B	156m E	Tanks	1984	208275
B	156m E	Tanks	1980	211582
B	157m E	Tanks	1984	220213
B	157m E	Tanks	1980	208881
G	157m S	Unspecified Tank	1983	202959
AD	158m S	Tanks	1983	214493
AD	158m S	Tanks	1993	215705
E	158m S	Tanks	1989	215778
E	159m S	Tanks	1979	215778
AD	159m S	Tanks	1983	214578
G	160m S	Tanks	1983	206283



ID	Location	Land Use	Date	Group ID
G	162m S	Tanks	1983	216890
R	162m SE	Tanks	1997	213048
G	162m S	Tanks	1993	213097
AD	163m S	Tanks	1983	212587
R	163m SE	Tanks	1984	207623
R	163m SE	Tanks	1989	207623
P	165m E	Tanks	1994	206239
P	165m E	Unspecified Tank	1994	202885
O	166m NE	Unspecified Tank	1979	218050
G	166m S	Tanks	1983	206277
O	166m NE	Unspecified Tank	1993	218050
E	167m S	Tanks	1989	221641
E	168m S	Tanks	1979	221641
AW	168m SW	Tanks	1997	206219
G	168m S	Tanks	1983	208384
E	168m S	Unspecified Tank	1979	212627
E	168m S	Unspecified Tank	1989	212627
G	169m S	Tanks	1983	206282
B	171m E	Tanks	1993	214219
B	172m E	Tanks	1984	220461
B	172m E	Tanks	1993	218738
B	172m E	Tanks	1993	208997
B	173m E	Tanks	1980	214219
B	173m E	Tanks	1984	212332
B	174m E	Tanks	1980	208997
G	174m S	Tanks	1983	211923
E	174m SE	Tanks	1997	206264
G	174m S	Tanks	1974	219779



ID	Location	Land Use	Date	Group ID
G	174m S	Tanks	1983	222011
R	174m SE	Tanks	1983	208627
R	175m SE	Tanks	1984	208627
R	175m SE	Tanks	1989	208627
G	175m S	Tanks	1983	206276
R	176m SE	Tanks	1997	208936
R	176m SE	Tanks	1993	213584
R	176m SE	Tanks	1997	212661
R	177m SE	Tanks	1984	221161
R	177m SE	Tanks	1989	221161
R	177m SE	Tanks	1997	218249
R	177m SE	Tanks	1984	218249
R	177m SE	Tanks	1989	212860
R	177m SE	Tanks	1979	207495
AY	178m N	Unspecified Tank	1993	202869
R	178m SE	Tanks	1983	216339
O	178m NE	Unspecified Tank	1979	214099
O	179m NE	Unspecified Tank	1993	214099
O	179m NE	Tanks	1993	212180
O	180m NE	Tanks	1979	212180
AZ	180m SW	Tanks	1993	215831
R	181m SE	Tanks	1997	213956
AZ	181m SW	Tanks	1983	215831
G	181m S	Tanks	1993	212768
G	181m S	Tanks	1983	212768
P	181m E	Tanks	1994	206237
R	181m SE	Tanks	1984	219035
R	181m SE	Tanks	1989	219035





ID	Location	Land Use	Date	Group ID
G	182m S	Tanks	1993	220552
G	182m S	Tanks	1983	220552
E	183m S	Tanks	1989	215808
G	183m S	Tanks	1983	219912
E	184m S	Tanks	1979	215808
P	184m E	Unspecified Tank	1994	202887
E	185m SE	Tanks	1997	206263
P	186m E	Unspecified Tank	1994	202886
R	187m SE	Tanks	1997	214520
BA	187m S	Unspecified Tank	1989	212918
BA	188m S	Unspecified Tank	1989	219604
R	188m SE	Tanks	1979	214520
O	188m NE	Tanks	1979	212246
O	188m NE	Tanks	1993	212246
AY	189m N	Tanks	1993	206223
BA	189m S	Unspecified Tank	1997	219604
BA	189m S	Unspecified Tank	1997	212918
G	190m S	Tanks	1983	206285
E	191m S	Tanks	1989	222158
E	191m S	Tanks	1979	222158
G	192m S	Tanks	1983	206236
R	195m SE	Tanks	1997	217125
B	196m E	Tanks	1993	215713
B	197m E	Tanks	1993	221973
B	198m E	Tanks	1980	215713
G	198m S	Unspecified Tank	1974	202967
B	199m E	Tanks	1980	221973
G	201m S	Unspecified Tank	1983	210804



ID	Location	Land Use	Date	Group ID
G	201m S	Unspecified Tank	1974	210804
G	201m S	Unspecified Tank	1993	208794
G	202m S	Unspecified Tank	1983	219397
G	202m S	Unspecified Tank	1993	219397
B	204m E	Tanks	1993	216292
B	205m E	Tanks	1979	216292
E	207m S	Unspecified Tank	1997	215623
E	208m S	Unspecified Tank	1989	215623
R	208m SE	Tanks	1997	209895
R	209m SE	Tanks	1984	214063
R	209m SE	Tanks	1989	214063
B	211m NE	Tanks	1979	209470
B	211m NE	Tanks	1993	209470
G	212m S	Tanks	1983	220308
G	212m S	Tanks	1993	220308
BE	212m S	Unspecified Tank	1983	220215
BC	213m NE	Unspecified Tank	1979	220150
BC	213m NE	Unspecified Tank	1993	220150
BE	214m S	Unspecified Tank	1993	220215
AZ	214m S	Tanks	1993	214187
AZ	214m S	Tanks	1993	218043
AZ	215m S	Tanks	1983	212150
AZ	215m S	Tanks	1983	211671
AZ	216m S	Tanks	1993	220795
AZ	216m S	Tanks	1983	220795
AZ	216m SW	Tanks	1983	214187
BD	217m NW	Unspecified Tank	1987	210664
BD	217m NW	Unspecified Tank	1993	210664



ID	Location	Land Use	Date	Group ID
BD	217m NW	Unspecified Tank	1980	210664
BD	217m NW	Unspecified Tank	1980	210664
BD	217m NW	Unspecified Tank	1980	220457
BD	217m NW	Unspecified Tank	1993	217301
BD	217m NW	Unspecified Tank	1980	217301
BD	218m NW	Unspecified Tank	1987	221553
AY	218m N	Tanks	1993	206220
AZ	219m S	Tanks	1983	216244
R	219m SE	Tanks	1983	215986
R	220m SE	Tanks	1993	215986
AY	220m N	Tanks	1993	206221
B	220m E	Unspecified Tank	1993	208030
B	221m E	Unspecified Tank	1979	208030
B	221m E	Unspecified Tank	1993	214162
AZ	222m SW	Unspecified Tank	1993	213439
B	222m E	Unspecified Tank	1979	214162
AZ	222m SW	Unspecified Tank	1984	213439
B	222m E	Tanks	1993	212332
G	222m S	Tanks	1983	218071
G	223m S	Tanks	1993	218071
B	223m E	Tanks	1979	217146
7	224m W	Unspecified Tank	1997	202882
BA	225m S	Tanks	1989	222444
BA	225m S	Tanks	1979	222444
R	226m SE	Tanks	1993	206262
BA	226m S	Tanks	1989	206230
BA	226m S	Unspecified Tank	1979	202970
AY	227m N	Tanks	1993	206224



ID	Location	Land Use	Date	Group ID
O	229m NE	Tanks	1979	218885
O	229m NE	Tanks	1993	218885
O	230m NE	Tanks	1979	218005
O	231m NE	Tanks	1993	218638
AY	234m N	Unspecified Tank	1993	202870
AZ	234m SW	Tanks	1993	215342
AZ	234m SW	Tanks	1984	212724
G	236m S	Unspecified Tank	1974	202965
BF	236m S	Unspecified Tank	1983	217989
BF	237m S	Unspecified Tank	1993	217989
BF	237m S	Unspecified Tank	1983	209622
BF	237m S	Unspecified Tank	1993	220295
G	239m S	Tanks	1983	206281
R	239m SE	Tanks	1993	206288
BB	241m N	Unspecified Tank	1994	209873
BB	241m N	Unspecified Tank	1994	209873
BB	241m N	Unspecified Tank	1980	209873
BB	242m N	Unspecified Tank	1987	209321
G	242m S	Unspecified Tank	1974	212868
BB	242m N	Unspecified Tank	1980	209754
O	243m NE	Tanks	1993	217546
G	243m S	Unspecified Tank	1983	209029
G	243m S	Unspecified Tank	1993	209029
AZ	245m SW	Tanks	1984	218779
AY	249m N	Unspecified Tank	1993	202876
G	250m S	Tanks	1983	221080
G	250m S	Tanks	1974	221080
G	250m S	Tanks	1993	221080



ID	Location	Land Use	Date	Group ID
O	251m NE	Tanks	1993	218715
O	251m NE	Tanks	1979	218715
AZ	254m S	Unspecified Tank	1983	216094
AZ	255m S	Unspecified Tank	1993	216094
BG	257m SE	Unspecified Tank	1977	202883
G	259m S	Unspecified Tank	1983	215199
AY	259m N	Unspecified Tank	1993	202875
G	260m S	Unspecified Tank	1974	202964
G	260m S	Unspecified Tank	1993	215199
G	261m S	Unspecified Tank	1983	202966
BH	263m N	Unspecified Tank	1993	202871
BD	264m NW	Unspecified Tank	1993	212353
BD	264m NW	Unspecified Tank	1980	212353
BD	264m NW	Unspecified Tank	1987	219318
BD	264m NW	Unspecified Tank	1993	213413
BD	264m NW	Unspecified Tank	1980	213413
G	265m S	Tanks	1983	218641
BE	265m S	Unspecified Tank	1974	215664
BE	265m S	Unspecified Tank	1983	215664
BD	265m NW	Unspecified Tank	1980	213142
BG	265m SE	Unspecified Tank	1977	202881
BD	265m NW	Unspecified Tank	1980	208492
BE	265m S	Unspecified Tank	1993	215664
BD	265m NW	Unspecified Tank	1987	213413
G	265m S	Tanks	1993	218641
AZ	265m S	Tanks	1983	214272
AZ	266m S	Tanks	1993	214272
AZ	266m SW	Unspecified Tank	1993	217070



ID	Location	Land Use	Date	Group ID
G	266m S	Unspecified Tank	1983	219535
G	266m S	Unspecified Tank	1974	219535
BE	267m S	Unspecified Tank	1974	214838
BE	267m S	Unspecified Tank	1983	214838
AZ	267m SW	Unspecified Tank	1984	217070
BH	267m N	Unspecified Tank	1993	202874
G	267m S	Unspecified Tank	1993	219535
O	272m NE	Tanks	1993	215116
AZ	272m SW	Unspecified Tank	1993	222356
O	273m NE	Tanks	1979	215116
AZ	273m SW	Unspecified Tank	1984	222356
BJ	273m SW	Tanks	1993	215106
BJ	273m SW	Tanks	1984	215574
BJ	274m SW	Tanks	1984	216263
BJ	274m SW	Tanks	1984	220837
BJ	274m SW	Tanks	1993	220837
BJ	274m SW	Tanks	1993	206212
O	275m NE	Tanks	1993	221904
O	275m NE	Tanks	1979	221904
BJ	275m SW	Tanks	1993	206213
BJ	275m SW	Tanks	1993	206214
BL	279m N	Unspecified Tank	1993	208024
BL	279m N	Unspecified Tank	1989	220619
BL	279m N	Unspecified Tank	1977	208024
G	281m S	Tanks	1983	207844
G	282m S	Tanks	1993	207844
G	285m S	Tanks	1983	220395
AY	286m N	Tanks	1993	206222



ID	Location	Land Use	Date	Group ID
G	286m S	Tanks	1974	220735
G	286m S	Tanks	1993	213211
G	286m S	Tanks	1983	221747
G	287m S	Tanks	1993	221747
G	288m S	Tanks	1983	208491
G	289m S	Tanks	1983	221447
G	290m S	Unspecified Tank	1983	221212
G	290m S	Tanks	1993	208491
G	290m S	Tanks	1993	221447
BM	291m NW	Unspecified Tank	1987	221940
BM	291m NW	Unspecified Tank	1981	221842
G	291m S	Unspecified Tank	1993	221212
BM	292m NW	Unspecified Tank	1993	221842
BN	292m NE	Unspecified Tank	1993	215864
AY	292m N	Unspecified Tank	1993	202873
BN	292m NE	Unspecified Tank	1979	215864
BJ	293m SW	Unspecified Tank	1993	202974
BK	294m SE	Tanks	1974	210858
BK	294m SE	Tanks	1983	210858
G	295m S	Tanks	1983	210738
O	295m NE	Tanks	1993	209177
AZ	295m SW	Unspecified Tank	1984	216803
O	295m NE	Tanks	1979	209177
BK	295m SE	Tanks	1993	211167
AZ	295m SW	Unspecified Tank	1993	216803
BO	298m S	Unspecified Tank	1983	208325
BO	300m S	Unspecified Tank	1993	208325
G	302m S	Tanks	1983	209881



ID	Location	Land Use	Date	Group ID
BH	304m N	Unspecified Tank	1993	202872
O	311m NE	Tanks	1993	212481
O	311m NE	Tanks	1979	212481
BQ	319m NW	Unspecified Tank	1993	215281
BQ	319m NW	Unspecified Tank	1980	215281
O	319m NE	Tanks	1993	206246
BQ	319m NW	Unspecified Tank	1980	215281
BD	320m NW	Unspecified Tank	1993	214912
BD	320m NW	Unspecified Tank	1980	214912
BQ	320m NW	Unspecified Tank	1987	215281
BD	320m NW	Unspecified Tank	1980	214912
BD	320m NW	Unspecified Tank	1987	214912
BP	321m N	Unspecified Tank	1993	216785
BP	321m N	Unspecified Tank	1989	216785
BR	321m S	Tanks	1989	216438
BR	321m S	Tanks	1979	216438
BR	324m SW	Unspecified Tank	1989	209419
BR	324m SW	Unspecified Tank	1979	213034
BR	325m SW	Unspecified Tank	1997	220810
BR	330m SW	Unspecified Tank	1993	213034
BR	331m SW	Unspecified Tank	1977	213034
O	331m NE	Unspecified Tank	1993	215857
O	331m NE	Unspecified Tank	1979	215857
O	336m NE	Unspecified Tank	1993	211002
O	336m NE	Unspecified Tank	1979	211002
BJ	337m SW	Tanks	1984	216867
BT	337m SE	Tanks	1974	219404
BT	337m SE	Tanks	1983	219404





ID	Location	Land Use	Date	Group ID
BT	338m SE	Tanks	1993	213347
BS	338m S	Unspecified Tank	1983	220203
BJ	338m SW	Tanks	1993	216867
BU	338m S	Tanks	1983	221166
O	339m NE	Tanks	1993	216312
BJ	339m SW	Tanks	1993	222105
BU	339m S	Tanks	1993	213691
BS	339m S	Unspecified Tank	1993	220203
O	339m NE	Tanks	1979	216312
BW	340m S	Unspecified Tank	1983	213200
BW	341m S	Unspecified Tank	1993	220036
BV	342m SE	Unspecified Tank	1990	213970
BW	342m S	Tanks	1983	217244
BY	342m S	Tanks	1984	209543
BJ	343m SW	Tanks	1984	216361
BV	343m SE	Unspecified Tank	1994	213970
BW	343m S	Tanks	1993	217244
BO	343m S	Tanks	1983	216571
BY	343m S	Tanks	1993	209543
BJ	343m SW	Tanks	1984	217677
BO	344m S	Tanks	1993	216571
BW	344m S	Tanks	1983	215059
BS	344m S	Unspecified Tank	1983	216910
BW	345m S	Tanks	1993	215059
BU	345m S	Tanks	1983	215077
BS	345m S	Unspecified Tank	1993	216910
BY	346m SW	Tanks	1984	212502
BY	346m SW	Tanks	1993	212502



ID	Location	Land Use	Date	Group ID
BW	348m S	Unspecified Tank	1983	220265
BW	349m S	Unspecified Tank	1993	220265
BZ	349m S	Unspecified Tank	1983	213596
BZ	351m S	Unspecified Tank	1993	213596
CB	357m S	Tanks	1983	213409
CB	357m S	Tanks	1993	213409
BW	358m S	Tanks	1993	206287
CC	358m S	Unspecified Tank	1983	208670
BW	359m S	Tanks	1983	208603
CC	359m S	Unspecified Tank	1993	208670
BU	359m S	Unspecified Tank	1993	211813
BY	359m S	Tanks	1984	208391
BU	359m S	Unspecified Tank	1983	211813
BW	360m S	Tanks	1993	208603
BY	360m S	Tanks	1993	215137
BU	361m S	Tanks	1983	211778
BU	361m S	Tanks	1993	211778
BY	362m S	Tanks	1984	218417
CE	365m N	Tanks	1989	216930
BJ	365m SW	Tanks	1984	206210
BJ	365m SW	Tanks	1984	209964
CE	365m N	Tanks	1993	216930
CC	366m S	Unspecified Tank	1983	213290
BJ	366m SW	Tanks	1984	212648
BJ	366m SW	Tanks	1993	209964
BU	367m S	Unspecified Tank	1974	221471
BU	367m S	Unspecified Tank	1983	221471
CC	367m S	Unspecified Tank	1993	213290



ID	Location	Land Use	Date	Group ID
BU	367m S	Tanks	1983	218854
BU	367m S	Tanks	1993	218854
BJ	367m SW	Unspecified Tank	1984	214202
BJ	367m SW	Tanks	1993	212648
BJ	367m SW	Unspecified Tank	1984	213105
BU	368m S	Unspecified Tank	1993	221471
BJ	369m SW	Unspecified Tank	1993	213105
BJ	369m SW	Unspecified Tank	1993	214202
CC	370m S	Unspecified Tank	1983	221942
BS	370m S	Unspecified Tank	1993	220226
BS	370m S	Unspecified Tank	1983	220226
CC	370m S	Unspecified Tank	1993	221942
BT	371m SE	Unspecified Tank	1983	218288
BT	371m SE	Unspecified Tank	1993	218288
N	372m N	Unspecified Tank	1977	219688
BY	372m S	Tanks	1984	206209
N	372m N	Unspecified Tank	1989	219688
N	373m N	Unspecified Tank	1993	219688
BY	376m S	Tanks	1984	212894
BY	376m S	Tanks	1993	212894
CG	377m SW	Unspecified Tank	1993	202973
CC	380m S	Unspecified Tank	1983	220626
CF	380m NE	Unspecified Tank	1993	219768
CF	381m NE	Unspecified Tank	1979	219768
CC	381m S	Unspecified Tank	1993	220626
BU	384m S	Unspecified Tank	1993	208559
BZ	385m S	Unspecified Tank	1983	220205
BU	385m S	Unspecified Tank	1983	208559



ID	Location	Land Use	Date	Group ID
BY	386m S	Unspecified Tank	1984	210499
BZ	386m S	Unspecified Tank	1993	220205
BY	386m S	Unspecified Tank	1993	210499
BY	386m S	Unspecified Tank	1984	214847
BY	387m S	Unspecified Tank	1993	214847
CC	389m S	Unspecified Tank	1983	210086
CC	390m S	Unspecified Tank	1993	210086
CH	392m SE	Unspecified Tank	1983	219939
CC	392m S	Tanks	1983	208976
CC	393m S	Tanks	1993	208976
CI	393m N	Tanks	1989	210056
CI	393m N	Tanks	1993	210056
CH	394m SE	Unspecified Tank	1993	219939
CJ	394m NW	Tanks	1989	211968
CJ	394m NW	Tanks	1989	213709
CK	394m NW	Tanks	1994	212062
CK	394m NW	Tanks	1997	212062
CJ	394m NW	Tanks	1993	213709
CJ	394m NW	Tanks	1993	211968
CL	394m NW	Tanks	1989	221572
CK	394m NW	Tanks	1994	212432
CK	394m NW	Tanks	1997	212432
CL	394m NW	Tanks	1989	213676
CL	394m NW	Tanks	1993	213676
CL	395m NW	Tanks	1993	221572
CK	395m NW	Tanks	1986	220976
CK	395m NW	Tanks	1986	214495
CB	398m S	Tanks	1983	219499



ID	Location	Land Use	Date	Group ID
CB	399m S	Tanks	1993	219499
BY	404m S	Tanks	1984	214351
CC	404m S	Unspecified Tank	1983	210552
BY	404m S	Tanks	1993	214351
CC	405m S	Unspecified Tank	1993	210552
CC	406m S	Unspecified Tank	1983	216656
CH	407m SE	Unspecified Tank	1983	219863
CC	407m S	Unspecified Tank	1993	216656
CH	407m SE	Unspecified Tank	1993	219863
BY	410m S	Unspecified Tank	1993	209173
BY	410m S	Unspecified Tank	1984	209173
CG	414m SW	Unspecified Tank	1984	218556
CG	415m SW	Unspecified Tank	1993	218556
N	416m NE	Tanks	1989	208635
N	416m NE	Tanks	1977	211702
N	416m NE	Tanks	1993	211702
CC	417m S	Unspecified Tank	1983	221412
CC	418m S	Unspecified Tank	1993	221412
N	419m N	Unspecified Tank	1989	211815
N	419m N	Unspecified Tank	1993	211815
CN	420m SW	Tanks	1984	219910
CN	420m SW	Unspecified Tank	1984	211316
CN	420m SW	Unspecified Tank	1984	220884
CN	420m SW	Unspecified Tank	1984	217969
CN	420m SW	Tanks	1993	219910
CN	421m SW	Unspecified Tank	1993	211316
CN	421m SW	Unspecified Tank	1993	220884
CO	421m NE	Unspecified Tank	1993	218771



ID	Location	Land Use	Date	Group ID
CO	421m NE	Unspecified Tank	1979	218771
CN	421m SW	Unspecified Tank	1984	210055
N	421m N	Tanks	1993	217745
CN	421m SW	Unspecified Tank	1993	217969
N	421m N	Tanks	1989	217745
N	421m N	Tanks	1977	217745
CN	422m SW	Unspecified Tank	1993	214537
CN	424m SW	Unspecified Tank	1984	215707
CN	425m SW	Unspecified Tank	1993	215707
CH	425m SE	Unspecified Tank	1983	222131
CH	427m SE	Unspecified Tank	1993	222131
CN	428m SW	Tanks	1984	217270
CN	429m SW	Tanks	1993	217270
CG	433m SW	Unspecified Tank	1984	212893
CN	434m SW	Unspecified Tank	1984	214427
CG	434m SW	Unspecified Tank	1993	212893
CN	434m SW	Unspecified Tank	1993	214427
BY	436m S	Tanks	1993	221419
BY	436m S	Tanks	1984	221419
CN	436m SW	Unspecified Tank	1984	210969
CN	437m SW	Unspecified Tank	1993	210969
N	438m N	Unspecified Tank	1977	217959
N	438m N	Unspecified Tank	1989	221264
N	438m N	Unspecified Tank	1993	221264
CH	439m SE	Unspecified Tank	1983	218046
CH	440m SE	Unspecified Tank	1993	218046
N	443m N	Unspecified Tank	1989	210036
N	443m N	Unspecified Tank	1993	210036



ID	Location	Land Use	Date	Group ID
N	443m N	Unspecified Tank	1977	220344
CC	446m S	Unspecified Tank	1983	217531
15	447m E	Unspecified Tank	1967	202867
CC	447m S	Unspecified Tank	1993	217531
N	449m N	Unspecified Tank	1977	207768
N	449m N	Unspecified Tank	1989	220133
N	450m N	Unspecified Tank	1993	220133
N	452m N	Unspecified Tank	1993	202880
CH	466m SE	Unspecified Tank	1983	209124
N	467m N	Tanks	1993	206228
CH	467m SE	Unspecified Tank	1993	209124
N	468m N	Tanks	1993	206229
CY	472m NW	Unspecified Tank	1989	221695
CY	472m NW	Unspecified Tank	1993	221695
CY	472m NW	Unspecified Tank	1989	218796
DB	472m NW	Unspecified Tank	1989	216194
CY	472m NW	Unspecified Tank	1993	218796
DB	472m NW	Unspecified Tank	1993	216194
CZ	472m NW	Tanks	1986	209045
DB	473m NW	Unspecified Tank	1989	219448
DB	473m NW	Unspecified Tank	1993	219448
DC	473m NW	Unspecified Tank	1986	214629
DD	473m S	Settling Tanks	1993	214713
CZ	473m NW	Tanks	1986	217658
DD	473m S	Settling Tanks	1983	214713
DD	473m S	Tanks	1983	206207
CZ	474m NW	Tanks	1994	217658
CZ	474m NW	Tanks	1997	217658



ID	Location	Land Use	Date	Group ID
DC	474m NW	Unspecified Tank	1994	214629
DC	474m NW	Unspecified Tank	1997	214629
DD	474m S	Settling Tanks	1983	214713
CZ	474m NW	Tanks	1994	209045
CZ	474m NW	Tanks	1997	209045
DD	474m S	Settling Tanks	1993	214713
DD	475m S	Tanks	1983	206208
N	476m N	Unspecified Tank	1989	217589
N	476m N	Unspecified Tank	1977	217589
N	477m N	Unspecified Tank	1993	217589
DD	479m S	Tanks	1983	206286
CH	483m SE	Unspecified Tank	1983	222024
CH	483m SE	Unspecified Tank	1993	219727
DD	490m S	Tanks	1983	213907
DD	491m S	Settling Tanks	1983	221681
DD	491m S	Tanks	1993	211791
DD	492m S	Settling Tanks	1993	221681
DD	493m S	Tanks	1983	211791
DF	499m SW	Unspecified Tank	1984	218672

*This data is sourced from Ordnance Survey / Groundsure.*

### 2.3 Historical energy features

<b>Records within 500m</b>	<b>63</b>
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 43 >](#)

ID	Location	Land Use	Date	Group ID
<b>D</b>	<b>On site</b>	<b>Electricity Substation</b>	<b>1997</b>	<b>120824</b>





ID	Location	Land Use	Date	Group ID
D	On site	Electricity Substation	1979	122566
D	On site	Electricity Substation	1984	122566
D	On site	Electricity Substation	1989	122566
F	On site	Electricity Substation	1978	124257
F	On site	Electricity Substation	1993	124257
J	On site	Electricity Substation	1997	124807
J	On site	Electricity Substation	1989	124807
K	On site	Electricity Substation	1980	127033
K	On site	Electricity Substation	1984	127033
K	On site	Electricity Substation	1993	120522
L	2m E	Electricity Substation	1979	128221
L	5m E	Electricity Substation	1984	121147
L	5m E	Electricity Substation	1989	121147
R	7m SE	Electricity Substation	1984	121370
R	7m SE	Electricity Substation	1989	121370
L	7m E	Electricity Substation	1994	118864
R	9m SE	Electricity Substation	1997	123695
R	9m SE	Electricity Substation	1979	123695
P	13m E	Electricity Substation	1984	127616
P	13m E	Electricity Substation	1989	127616
P	17m E	Electricity Substation	1994	121225
Y	49m S	Electricity Substation	1989	120076
Y	49m S	Electricity Substation	1989	120076
Y	50m S	Electricity Substation	1997	125738
Y	50m S	Electricity Substation	1979	120076
R	55m SE	Electricity Substation	1984	120305
R	55m SE	Electricity Substation	1989	120305
R	55m SE	Electricity Substation	1997	120305



ID	Location	Land Use	Date	Group ID
R	56m SE	Electricity Substation	1979	120305
AD	68m S	Electricity Substation	1997	128097
AD	71m S	Electricity Substation	1979	119700
AD	71m S	Electricity Substation	1989	119700
AD	71m S	Electricity Substation	1989	119700
G	80m S	Electricity Substation	1997	118566
G	80m S	Electricity Substation	1979	119399
G	82m S	Electricity Substation	1993	119338
G	82m S	Electricity Substation	1983	119357
G	82m S	Electricity Substation	1974	119398
G	83m S	Electricity Substation	1989	121966
G	83m S	Electricity Substation	1989	121966
Z	113m NE	Electricity Substation	1980	117572
B	116m E	Electricity Substation	1993	125269
B	117m E	Electricity Substation	1984	125269
B	117m E	Electricity Substation	1980	125269
O	187m NE	Electricity Substation	1979	119959
O	187m NE	Electricity Substation	1993	119959
AZ	249m S	Electricity Substation	1993	128448
AZ	249m S	Electricity Substation	1983	128448
BI	271m E	Electricity Substation	1993	125310
BI	271m E	Electricity Substation	1970	125310
BI	271m E	Electricity Substation	1969	124028
BI	278m E	Electricity Substation	1970	117466
BV	340m SE	Electricity Substation	1990	120402
BV	340m SE	Electricity Substation	1994	120402
BV	341m SE	Electricity Substation	1971	120402
BW	356m S	Electricity Substation	1983	124144



ID	Location	Land Use	Date	Group ID
BW	357m S	Electricity Substation	1993	124144
CO	435m NE	Electricity Substation	1979	123637
CO	437m NE	Electricity Substation	1993	123637
CV	454m NE	Electricity Substation	1993	126361
CV	455m NE	Electricity Substation	1979	126361
N	467m N	Electricity Substation	1977	117568

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m**

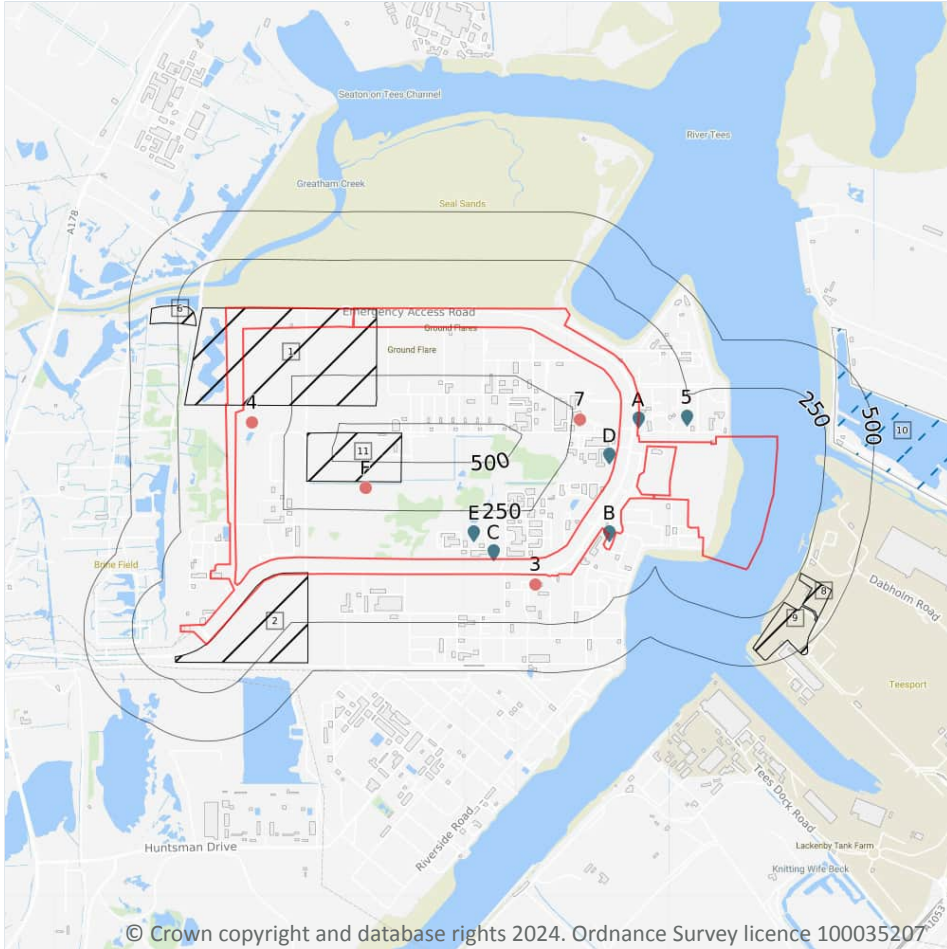
**0**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



### 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Licensed waste sites
- Waste exemptions

#### 3.1 Active or recent landfill

**Records within 500m** **1**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 88](#) >

ID	Location	Details	
10	291m E	Operator: York Potash Processing & Ports Limited Site Address: Land/ Premises At, Bran Sands, Redcar, Cleveland, TS6 6UE	WML Number: 60092 EPR Reference: YPP001 Landfill type: A02: Other Landfill Site taking Special Waste Status: Modified IPPC Reference: - EPR Number: EA/EPR/FB3601GS/V004

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

6

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 88 >](#)

ID	Location	Details		
1	On site	<b>Site Address:</b> Seal Sands, North Bank, Middlesborough, Cleveland <b>Licence Holder Address:</b> Queen's Square, Middlesbrough, Cleveland	<b>Waste Licence:</b> Yes <b>Site Reference:</b> 0700/CLE/032 <b>Waste Type:</b> Inert, Industrial <b>Environmental Permitting Regulations (Waste) Reference:</b> - <b>Licence Issue:</b> 13/01/1978 <b>Licence Surrender:</b> 01/11/1989	<b>Operator:</b> - <b>Licence Holder:</b> Tees and Hartlepool Port Authority <b>First Recorded:</b> 01/02/1978 <b>Last Recorded:</b> 30/10/1989
2	On site	<b>Site Address:</b> South of the Seal Sands Road, Adjacent to the Monsanto site <b>Licence Holder Address:</b> -	<b>Waste Licence:</b> Yes <b>Site Reference:</b> CLE/R4/1, 0700/R4, CLE/170/1 <b>Waste Type:</b> Inert, Industrial, Commercial <b>Environmental Permitting Regulations (Waste) Reference:</b> - <b>Licence Issue:</b> 07/03/1977 <b>Licence Surrender:</b> -	<b>Operator:</b> - <b>Licence Holder:</b> Cleveland County Council <b>First Recorded:</b> 31/12/1973 <b>Last Recorded:</b> 31/12/1978

ID	Location	Details		
6	156m W	Site Address: Seabanks Lagoon Site No.4, Seal Sands, North Bank, Middlesbrough, Cleveland Licence Holder Address: Mond Division, Billingham, Cleveland	Waste Licence: Yes Site Reference: 0700/CLE/061 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/03/1978 Licence Surrender: 23/01/1979	Operator: - Licence Holder: Imperial Chemical Industries Limited First Recorded 06/03/1978 Last Recorded: 19/01/1979
8	257m E	Site Address: Bells Containers, Redcar, Cleveland Licence Holder Address: Tees Dock	Waste Licence: Yes Site Reference: 0700/CLE/028/2 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1977 Licence Surrender: 01/11/1989	Operator: - Licence Holder: Tees and Hartlepool Port Authority First Recorded 29/07/1977 Last Recorded: 30/09/1989
9	259m SE	Site Address: Bells Containers, Redcar, Cleveland Licence Holder Address: Queen's Square, Middlesbrough, Cleveland	Waste Licence: Yes Site Reference: 0700/CLE/028/2 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1977 Licence Surrender: 01/11/1989	Operator: - Licence Holder: Tees and Hartlepool Port Authority First Recorded 29/07/1977 Last Recorded: 30/10/1989
11	351m W	Site Address: Seal Sands, Agricultural Division, Billingham, Stockton-on-Tees Licence Holder Address: -	Waste Licence: Yes Site Reference: 0700/CLE/019 Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/04/1977 Licence Surrender: -	Operator: - Licence Holder: Imperial Chemical Industries Limited First Recorded - Last Recorded: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

Records within 500m

18

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 88](#) >



ID	Location	Details		
A	On site	<b>Site Name:</b> Seal Sands Storage Facility <b>Site Address:</b> Simon Storage, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> SEA001 <b>EPR reference:</b> EA/EPR/CP3292LF/V003 <b>Operator:</b> Seal Sands Storage Ltd <b>Waste Management licence No:</b> 60104 <b>Annual Tonnage:</b> 74999	<b>Issue Date:</b> 02/02/1990 <b>Effective Date:</b> - <b>Modified:</b> 15/12/2009 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified
A	On site	<b>Site Name:</b> Seal Sands Storage Facility <b>Site Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> SEA001 <b>EPR reference:</b> EA/EPR/CP3292LF/V004 <b>Operator:</b> Seal Sands Storage Limited <b>Waste Management licence No:</b> 60104 <b>Annual Tonnage:</b> 224999	<b>Issue Date:</b> 02/02/1990 <b>Effective Date:</b> - <b>Modified:</b> 20/10/2014 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified
A	On site	<b>Site Name:</b> Seal Sands Storage Facility <b>Site Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> SEA001 <b>EPR reference:</b> EA/EPR/CP3292LF/V005 <b>Operator:</b> Inter Terminals Seal Sands Limited <b>Waste Management licence No:</b> 60104 <b>Annual Tonnage:</b> 224999	<b>Issue Date:</b> 02/02/1990 <b>Effective Date:</b> - <b>Modified:</b> 20/10/2015 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified



ID	Location	Details		
A	On site	<b>Site Name:</b> Seal Sands Storage Facility <b>Site Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> >= 75000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> SEA001 <b>EPR reference:</b> EA/EPR/CP3292LF/V005 <b>Operator:</b> Inter Terminals Seal Sands Limited <b>Waste Management licence No:</b> 60104 <b>Annual Tonnage:</b> 224999	<b>Issue Date:</b> 02/02/1990 <b>Effective Date:</b> - <b>Modified:</b> 20/10/2015 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified
A	On site	<b>Site Name:</b> Seal Sands Storage Facility <b>Site Address:</b> Seal Sands Storage Facility, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> >= 75000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> 648028 <b>EPR reference:</b> EA/EPR/CP3292LF <b>Operator:</b> Exolum Seal Sands Ltd <b>Waste Management licence No:</b> 60104 <b>Annual Tonnage:</b> 224999	<b>Issue Date:</b> 02/02/1990 <b>Effective Date:</b> 02/02/1990 <b>Modified:</b> 02/02/1990 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Issued
B	On site	<b>Site Name:</b> Vopak Terminal <b>Site Address:</b> Land/ Premises At, Seals Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UA <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> TEE001 <b>EPR reference:</b> XP3490ZJ/A001 <b>Operator:</b> Tees Storage <b>Waste Management licence No:</b> 60111 <b>Annual Tonnage:</b> 4999	<b>Issue Date:</b> 15/07/1991 <b>Effective Date:</b> - <b>Modified:</b> - <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Issued
B	On site	<b>Site Name:</b> Vopak Terminal <b>Site Address:</b> Land/ Premises At, Seals Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UA <b>Correspondence Address:</b> -	<b>Type of Site:</b> In-House Storage Facility <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> 651380 <b>EPR reference:</b> EA/EPR/XP3490ZJ <b>Operator:</b> Vopak Terminal Teesside Limited <b>Waste Management licence No:</b> 60111 <b>Annual Tonnage:</b> 4999	<b>Issue Date:</b> 15/07/1991 <b>Effective Date:</b> 15/07/1991 <b>Modified:</b> - <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Revoked





ID	Location	Details		
C	31m S	Site Name: Teesside Site, Seal Sands Site Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Correspondence Address: Teesside Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Type of Site: In-House Storage Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FIN001 EPR reference: - Operator: Fine Organics Ltd Waste Management licence No: 68639 Annual Tonnage: 0	Issue Date: 04/04/1989 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 01/04/1996 Cancelled Date: - Status: Expired
C	31m S	Site Name: Teesside Site Site Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Correspondence Address: Erimus House, Queens Square, Middlesbrough, Cleveland, TS2 1AA	Type of Site: In-House Storage Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FIN002 EPR reference: - Operator: Fine Organics Ltd Waste Management licence No: 68642 Annual Tonnage: 0	Issue Date: 31/10/1985 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 01/04/1996 Cancelled Date: - Status: Expired
C	31m S	Site Name: Seal Sands Site Address: Teesside Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Correspondence Address: Teesside Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Type of Site: Incinerator Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: FIN003 EPR reference: - Operator: Fine Organics Ltd Waste Management licence No: 68647 Annual Tonnage: 0	Issue Date: 02/02/1990 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 01/05/1994 Cancelled Date: - Status: Expired
C	31m S	Site Name: Seal Sands Site Address: Teesside Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Correspondence Address: -	Type of Site: Incinerator Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 641443 EPR reference: EA/EPR/DP3193NN Operator: Fine Organics Limited Waste Management licence No: 68647 Annual Tonnage: 100	Issue Date: 02/02/1990 Effective Date: 02/02/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
C	31m S	Site Name: Teesside Site, Seal Sands Site Address: Seal Sands, Middlesbrough, Stockton-on-Tee, TS2 1UB Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640106 EPR reference: EA/EPR/DP3393NA Operator: Fine Organics Limited Waste Management licence No: 68639 Annual Tonnage: 7500	Issue Date: 04/04/1989 Effective Date: 04/04/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
C	31m S	Site Name: Teesside Site Site Address: Seal Sands, Middlesbrough, Stockton-on-Tee, TS2 1UB Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657400 EPR reference: EA/EPR/DP3593NJ Operator: Fine Organics Limited Waste Management licence No: 68642 Annual Tonnage: 7500	Issue Date: 31/10/1985 Effective Date: 31/10/1985 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
D	34m E	Site Name: Seal Sands Site Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Correspondence Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Type of Site: In-House Storage Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: HEX001 EPR reference: - Operator: Hexcel Chemical Products Ltd Waste Management licence No: 68646 Annual Tonnage: 0	Issue Date: 01/10/1990 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 01/05/1994 Cancelled Date: - Status: Expired
D	34m E	Site Name: Seal Sands Site Address: Seal Sands Road, Seal Sands, Middlesbrough, Stockton-on-Tee, TS2 1UB Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 651787 EPR reference: EA/EPR/DP3693NP Operator: Hexcel Chemical Products Limited Waste Management licence No: 68646 Annual Tonnage: 7500	Issue Date: 01/10/1990 Effective Date: 01/10/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
5	126m E	Site Name: Seal Sands Storage Site Address: Seal Sands Road, Seal Sands, Middlesbrough, TS1 1UB Correspondence Address: Seal Sands Road, Seal Sands, Middlesbrough, TS1 1UB	Type of Site: In-House Storage Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: SEA001 EPR reference: - Operator: Seal Sands Storage Ltd Waste Management licence No: 60104 Annual Tonnage: 0	Issue Date: 02/02/1990 Effective Date: - Modified: 12/06/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	131m SW	Site Name: Lundbeck Pharmaceuticals Site Address: Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UB Correspondence Address: Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UB	Type of Site: In-House Storage Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: LUN001 EPR reference: - Operator: Lundbeck Pharmaceuticals Waste Management licence No: 68643 Annual Tonnage: 0	Issue Date: 15/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 04/07/1994 Cancelled Date: - Status: Expired
E	131m SW	Site Name: Lundbeck Pharmaceuticals Site Address: Seal Sands Road, Seal Sands, Middlesbrough, Stockton-on-Tee, TS2 1UB Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 635193 EPR reference: EA/EPR/DP3893NM Operator: Lundbeck Pharmaceuticals Limited Waste Management licence No: 68643 Annual Tonnage: 7500	Issue Date: 15/07/1991 Effective Date: 15/07/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.7 Waste exemptions

**Records within 500m**

**5**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 88](#) >

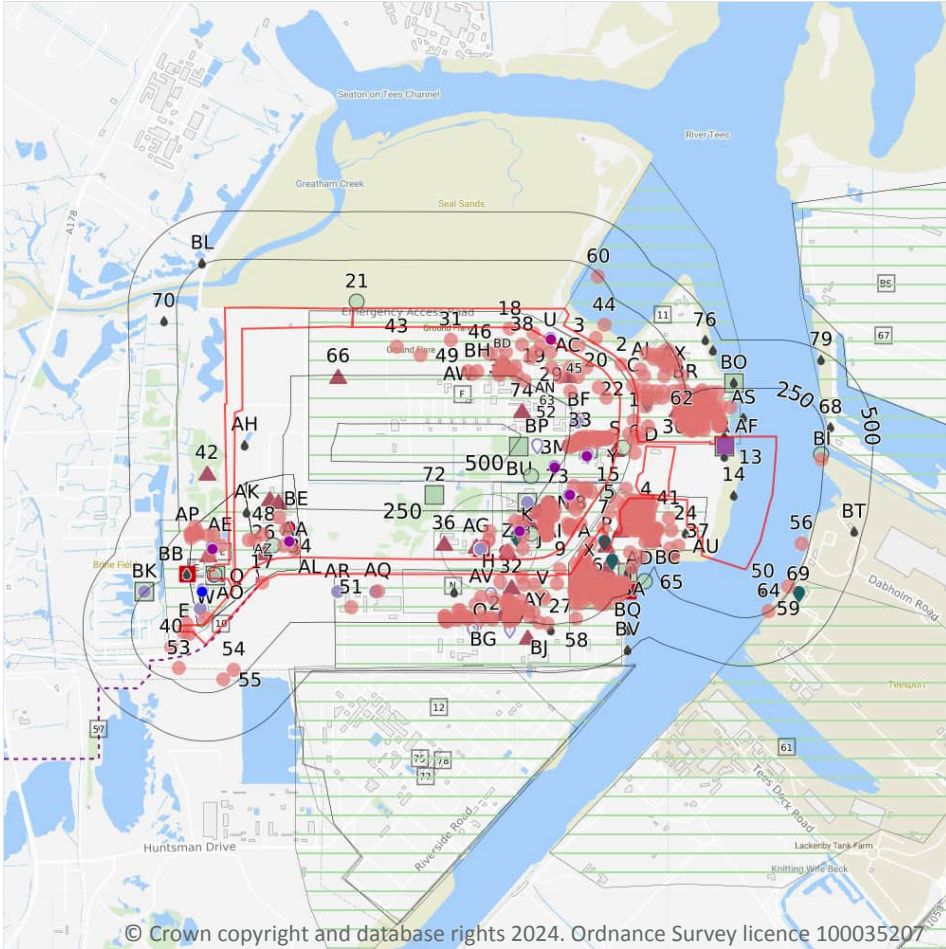


ID	Location	Site	Reference	Category	Sub-Category	Description
3	53m S	SEAL SANDS, MIDDLESBROUGH, TS2 1UB	WEX293508	Using waste exemption	Not on a Farm	Use of waste in construction
4	79m W	-	WEX360800	Using waste exemption	Not on a farm	Use of waste in construction
7	211m NE	INEOS NITRILES MIDDLESBROUGH Cleveland TS2 1UH	EPR/AF0430JS /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
F	361m W	-	WEX358055	Using waste exemption	Not on a farm	Use of waste in construction
F	361m W	-	WEX358055	Storing waste exemption	Not on a farm	Storage of waste in a secure place

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



### 4.1 Recent industrial land uses

Records within 250m

552

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
2	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
3	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features



ID	Location	Company	Address	Activity	Category
4	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
5	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
6	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
7	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
8	On site	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
9	On site	Mast	Durham, TS2	Telecommunications Features	Infrastructure and Facilities
A	On site	Pipe Gantry	Durham, TS6	Travelling Cranes and Gantries	Industrial Features
A	On site	Pipe Gantry	Durham, TS6	Travelling Cranes and Gantries	Industrial Features
B	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
C	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
D	On site	Pipe Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
D	On site	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
E	On site	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
16	1m SE	Mast (Telecommunication)	Durham, TS2	Telecommunications Features	Infrastructure and Facilities
17	2m SW	Gas Governor	Durham, TS2	Gas Features	Infrastructure and Facilities
B	5m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	7m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
D	7m E	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features



ID	Location	Company	Address	Activity	Category
18	8m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
B	8m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
E	9m SW	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
D	9m E	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
B	10m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
E	10m SW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
B	12m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
19	12m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	13m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	13m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	14m SE	Electricity Sub Station	Durham, TS6	Electrical Features	Infrastructure and Facilities
B	15m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	15m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
V	15m S	Gas Valve Compound	Durham, TS2	Gas Features	Infrastructure and Facilities
A	15m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	15m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
W	16m SW	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
B	16m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
B	17m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	17m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
C	19m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	22m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	27m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
20	27m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	27m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	28m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	28m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
X	28m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	29m E	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
C	29m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
X	33m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
X	34m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
X	34m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
22	34m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
X	35m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	35m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features





ID	Location	Company	Address	Activity	Category
B	36m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	37m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	37m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	37m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
23	37m S	Gas Valve Compound	Durham, TS2	Gas Features	Infrastructure and Facilities
AA	39m W	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	40m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AB	41m SE	Chimney	Durham, TS2	Chimneys	Industrial Features
Z	41m S	The Lianhetech Organics	-, Seal Sands Road, Seal Sands, Durham, TS2 1UB	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
C	44m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AC	44m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	44m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
25	45m S	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
AE	47m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	47m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	48m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	49m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	49m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
Y	49m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	50m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
V	51m S	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
X	51m SE	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
C	52m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AI	52m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
C	53m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
27	53m S	Ineos Nitriles	Seal Sands Road, -, Seal Sands, Durham, TS2 1UB	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
A	53m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AI	53m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
28	54m S	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
29	55m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	55m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	55m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	55m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	55m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
30	56m E	Exolum Seal Sands Ltd	Inter Terminals Seal Sands Limited, Seal Sands Road, Seal Sands, Durham, TS2 1UB	Container and Storage	Transport, Storage and Delivery



ID	Location	Company	Address	Activity	Category
AE	56m W	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
Y	56m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	57m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	58m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AJ	58m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
C	59m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	59m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	60m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	60m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	60m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AJ	61m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	61m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	62m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	63m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	63m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	64m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	64m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	64m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	64m SE	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
Y	65m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	65m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
31	65m NW	Flare Stack	Durham, TS2	Gas Features	Infrastructure and Facilities
AB	65m SE	Chimney	Durham, TS2	Chimneys	Industrial Features
AL	65m W	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
AF	66m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	66m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	68m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	68m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	69m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
33	70m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
Y	70m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AB	72m SE	Chimney	Durham, TS2	Chimneys	Industrial Features
AF	73m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	73m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	74m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	74m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AF	74m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	75m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AM	76m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
35	76m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	76m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	77m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AN	77m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
B	78m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	79m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AB	79m SE	Chimney	Durham, TS2	Chimneys	Industrial Features
B	80m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AP	81m W	Chimney	Durham, TS2	Chimneys	Industrial Features
AF	81m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	81m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	81m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	82m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
37	82m SE	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
Y	83m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
B	84m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	85m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
38	85m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	86m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	86m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AQ	86m SW	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
Y	87m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	87m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	87m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	87m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	88m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	88m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	88m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
39	88m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	90m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AI	90m SE	Reed Filter Bed	Durham, TS2	Waste Storage, Processing and Disposal	Infrastructure and Facilities
AF	90m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	91m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
40	91m SW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
Y	91m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	92m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	92m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	93m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AC	93m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
C	94m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	96m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	96m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
41	96m E	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	96m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	96m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
C	98m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AN	98m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	98m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	99m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	100m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	100m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
K	100m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
H	100m SW	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
B	101m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	101m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
43	101m NW	Flare Stack	Durham, TS2	Gas Features	Infrastructure and Facilities
K	103m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AM	103m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	103m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	104m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	104m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	105m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	105m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	105m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
44	106m NE	Pontoon	Durham, TS2	Moorings and Unloading Facilities	Water
AF	106m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	106m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	107m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	107m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features





ID	Location	Company	Address	Activity	Category
Y	107m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AT	108m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
I	108m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AP	109m W	Chimney	Durham, TS2	Chimneys	Industrial Features
AU	109m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	111m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	112m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	112m E	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
AF	112m E	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
AF	113m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	114m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	114m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	115m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	115m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	115m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	116m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	116m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	116m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AF	116m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	116m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AV	117m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	117m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	118m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AT	118m S	Cooling Tower	Durham, TS2	Chimneys	Industrial Features
K	119m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	119m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	119m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	120m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
J	120m S	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
K	121m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	121m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	121m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	121m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	121m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	122m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
45	122m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
K	122m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	124m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	124m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	124m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
C	126m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	126m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	127m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	128m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	128m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AV	128m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	128m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	129m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
46	129m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
AF	129m E	Chimney	Durham, TS2	Chimneys	Industrial Features
AW	130m N	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
K	130m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	130m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
AY	131m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
47	132m SE	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
C	133m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	133m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AC	133m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	134m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	134m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	134m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	134m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
48	135m W	Works	Durham, TS2	Unspecified Works Or Factories	Industrial Features
A	135m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	135m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	136m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	136m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	136m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	137m S	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
K	137m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	139m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	139m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
K	139m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	139m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	139m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	139m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	139m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AW	140m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	140m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	142m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AN	142m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	142m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	142m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
H	142m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	143m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	143m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	144m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
49	145m NW	Flare Stack	Durham, TS2	Gas Features	Infrastructure and Facilities
AU	145m SE	Electricity Sub Station	Durham, TS6	Electrical Features	Infrastructure and Facilities
K	145m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
K	145m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	145m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	145m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AZ	146m W	Wood Group	Amoco Cats Terminal, Seal Sands Road, Seal Sands, Durham, TS2 1UB	Industrial Engineers	Engineering Services
AF	146m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	147m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	147m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	147m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	147m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	148m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	149m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	149m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	149m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AU	150m SE	Jetty	Durham, TS6	Moorings and Unloading Facilities	Water
A	150m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	150m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	150m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	151m E	Jetty	Durham, TS2	Moorings and Unloading Facilities	Water



ID	Location	Company	Address	Activity	Category
AF	151m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	152m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	152m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	152m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	152m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	152m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	153m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	153m S	Chimney	Durham, TS2	Chimneys	Industrial Features
K	153m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	153m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	153m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	153m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	153m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	154m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	154m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AV	155m S	Tanks	Durham, TS2	Tanks (Generic)	Industrial Features
BA	155m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	156m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
B	157m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	157m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	157m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	157m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	158m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	158m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	158m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	158m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	158m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	159m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BB	159m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BB	161m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	161m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	161m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	162m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BC	162m SE	Outfall	Durham, TS6	Waste Storage, Processing and Disposal	Infrastructure and Facilities
A	162m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
B	164m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features





ID	Location	Company	Address	Activity	Category
AF	164m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	164m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	165m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	166m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
BB	166m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	167m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	167m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	168m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	168m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	168m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	169m S	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
A	169m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	171m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	171m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	171m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	172m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	174m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
51	174m SW	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
K	174m SE	Chimney	Durham, TS2	Chimneys	Industrial Features
B	175m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	175m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	176m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	176m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	176m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	176m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
B	177m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	177m E	Tanks	Durham, TS2	Tanks (Generic)	Industrial Features
AF	177m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	177m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	177m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	177m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	177m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	178m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	178m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	178m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
52	180m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
AF	180m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	180m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	180m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	182m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	182m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	183m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	183m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	184m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	184m S	Chimney	Durham, TS2	Chimneys	Industrial Features
A	185m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
O	185m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
53	186m SW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
K	187m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	187m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	187m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BB	187m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	188m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	188m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	189m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AF	189m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	189m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	189m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	189m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BB	190m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	190m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
K	190m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	190m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	190m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	190m NE	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	191m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	191m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	191m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	191m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	191m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	191m S	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
Y	192m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	192m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AY	192m S	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
Y	193m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	193m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
J	194m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
54	195m SW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
K	195m SE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
J	195m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	195m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BB	196m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	196m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	196m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	197m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	197m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	197m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	198m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
BB	198m W	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	199m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	199m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
Y	200m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	201m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	201m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	202m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	203m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	203m N	Chimney	Durham, TS2	Chimneys	Industrial Features
55	203m SW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
AF	204m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	205m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	205m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	206m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	206m NE	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	207m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
BD	207m N	Chimneys	Durham, TS2	Chimneys	Industrial Features
AF	207m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
56	208m E	Jetty	North Yorkshire, TS6	Moorings and Unloading Facilities	Water
BD	208m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	208m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	209m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	210m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	212m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	213m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	213m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
M	213m W	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
A	213m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	214m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	215m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	216m SW	Chimney	Durham, TS2	Chimneys	Industrial Features
O	216m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	217m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
A	217m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
K	217m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	217m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	217m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	218m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	218m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	219m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	220m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	220m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	220m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	220m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	220m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AF	221m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	221m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	222m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	223m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
AY	223m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	223m SW	Chimney	Durham, TS2	Chimneys	Industrial Features
O	223m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	223m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BG	223m S	Cooling Tower	Durham, TS2	Chimneys	Industrial Features
AY	223m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	223m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	224m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features





ID	Location	Company	Address	Activity	Category
BG	225m S	Cooling Tower	Durham, TS2	Chimneys	Industrial Features
AF	226m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	226m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BH	227m NW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	227m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BH	227m NW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	228m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	228m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	228m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	228m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	229m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
58	229m S	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
Y	230m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	230m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	230m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	231m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
BD	231m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	231m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AX	232m NE	Electricity Sub Station	Durham, TS2	Electrical Features	Infrastructure and Facilities
AY	232m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	232m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	233m SE	Tanks	Durham, TS6	Tanks (Generic)	Industrial Features
AF	234m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BG	234m S	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
BG	234m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	234m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
59	234m SE	Travelling Crane	North Yorkshire, TS6	Travelling Cranes and Gantries	Industrial Features
O	235m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	235m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	235m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	236m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
O	236m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	236m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	236m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	236m SW	Gantry	Durham, TS2	Travelling Cranes and Gantries	Industrial Features
A	236m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AY	237m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	237m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AY	237m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
60	240m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BI	240m E	Mast	North Yorkshire, TS2	Telecommunications Features	Infrastructure and Facilities
AX	240m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AX	240m NE	Tanks	Durham, TS2	Tanks (Generic)	Industrial Features
BD	240m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	242m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	242m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	242m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	242m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
AF	243m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BJ	243m S	Chimney	Durham, TS2	Chimneys	Industrial Features
A	244m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
BH	244m NW	Pylon	Durham, TS2	Electrical Features	Infrastructure and Facilities
AY	244m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
Y	245m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
AF	245m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
A	246m SE	Tank	Durham, TS6	Tanks (Generic)	Industrial Features
O	246m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
O	246m SW	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BJ	246m S	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
62	248m NE	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
63	248m N	Tank	Durham, TS2	Tanks (Generic)	Industrial Features
BD	248m N	Chimney	Durham, TS2	Chimneys	Industrial Features
64	249m SE	Wharf	North Yorkshire, TS6	Moorings and Unloading Facilities	Water
AF	249m E	Tank	Durham, TS2	Tanks (Generic)	Industrial Features

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m**

**0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*



## 4.4 Gas pipelines

Records within 500m

2

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Pipe Name	Details	
10	On site	COWPEN BEWLEY TO TEESSIDE	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 900 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned
57	218m SW	COWPEN BEWLEY TO TEESSIDE	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 900 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

27

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Company	Address	Operational status	Tier
11	On site	Wood Group PSN Limited	Wood Group PSN Limited, Seal Sands Terminal - Central Area Transmission System (CATS), Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Current COMAH Site	COMAH Upper Tier Operator
12	On site	Growhow Uk Ltd	Growhow Uk Ltd, North Tees, Huntsman Drive, Port Clarence, Middlesbrough, Cleveland, TS2 1TT	Historical NIHHS Site	-



ID	Location	Company	Address	Operational status	Tier
F	On site	ConocoPhillips (U.K.) Teesside Operator Limited	ConocoPhillips (U.K.) Teesside Operator Limited, Seal Sands Terminal, Teesside Operations, Middlesbrough, Cleveland, TS2 1UH	Current COMAH Site	COMAH Upper Tier Operator
F	On site	ConocoPhillips (U.K.) Teesside Operator Limited	ConocoPhillips (U.K.) Teesside Operator Limited, Middlesbrough, Greatham Storage, Middlesbrough, Cleveland, TS2 1UH	Current COMAH Site	COMAH Upper Tier Operator
G	On site	px (TGPP) Limited	px (TGPP) Limited, Teesside Gas Processing Plant, Seal Sands, Teesside Gas Processing Plant, Stockton on Tees, Cleveland, TS2 1UB	Current COMAH Site	COMAH Upper Tier Operator
H	On site	Exolum Seal Sands Limited	Exolum Seal Sands Limited, North Terminal, Middlesbrough, Middlesbrough, Cleveland, TS2 1UB	Current COMAH Site	COMAH Upper Tier Operator
I	On site	Navigator Terminals Seal Sands Limited	Navigator Terminals Seal Sands Limited, Stockton on Tees, Seal Sands, Stockton on Tees, Cleveland, TS2 1UA	Current COMAH Site	COMAH Upper Tier Operator
I	On site	Vopak Terminal Teesside Limited	Vopak Terminal Teesside Limited, Stockton On Tees, Seal Sands, Stockton On Tees, Cleveland, TS2 1UA	Historical NIHHS Site	-
J	On site	Fine Organics Limited	Fine Organics Limited, Lianhetech Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Current COMAH Site	COMAH Upper Tier Operator
K	On site	Fine Organics Limited	Fine Organics Limited, Seal Sands, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator
L	On site	Vertellus Specialities UK Limited	Vertellus Specialities UK Limited, Middlesbrough, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator
L	On site	Vertellus Specialities UK Limited	Vertellus Specialities UK Limited, Middlesbrough, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator
L	On site	Vertellus Specialities UK Limited	Vertellus Specialities UK Limited, Middlesbrough, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator



ID	Location	Company	Address	Operational status	Tier
L	On site	Vertellus Specialities UK Limited	Vertellus Specialities UK Limited, Middlesbrough, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator
M	On site	Amoco Uk Exploration	Amoco Uk Exploration, Amoco Cats Terminal, Seal Sands Rd, Middleborough	Historical COMAH Site	-
M	On site	British Gas	British Gas, Seal Sands, Middlesborough, TS2 1UB	Historical COMAH Site	-
M	On site	Bp Amoco Ltd	Bp Amoco Ltd, Seal Sands Road, Seal Sands, TS2 1UB	Historical COMAH Site	-
N	On site	Dow Chemical Company Ltd	Dow Chemical Company Ltd, Seal Sands, Middlesbrough, Cleveland, TS2 1UD	Historical NIHHS Site	-
O	On site	INEOS Nitriles (UK) Limited	INEOS Nitriles (UK) Limited, Seal Sands Chemical Works, PO Box 62, Middlesbrough, Cleveland, TS2 1TX	Historical COMAH Site	COMAH Upper Tier Operator
T	1m E	Vertellus Specialities UK Limited	Vertellus Specialities UK Limited, Middlesbrough, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Historical COMAH Site	COMAH Upper Tier Operator
61	241m SE	Tees&hartlepool Port Authority	Tees & Hartlepool Port Authority, Tees Dock, Lackenby, Middlesbrough	Historical NIHHS Site	-
67	268m E	British Steel Corporation Ltd(bsc)	British Steel Corporation Ltd (bsc), Redcar Works, Redcar	Historical NIHHS Site	-
75	404m SW	SABIC UK Petrochemicals Limited	SABIC UK Petrochemicals Limited, North Tees, North Tees Site, Seaton Road, Port Clarence, Cleveland, TS2 1TT	Current COMAH Site	COMAH Upper Tier Operator
77	439m SW	CF Fertilisers UK Limited	CF Fertilisers UK Limited, North Tees, Huntsman Drive, Port Clarence, Middlesbrough, Cleveland, TS2 1TT	Current COMAH Site	COMAH Upper Tier Operator
78	439m SW	Greenergy Terminals Limited	Greenergy Terminals Limited, North Tees, North Tees Oil Refinery & Road Rail Terminal, Seaton Road, Port Clarence, Middlesbrough, Cleveland, TS2 1TT	Historical NIHHS Site	-
BS	451m E	South Tees Site Company Limited	South Tees Site Company Limited, Redcar, Steel House, Trunk Road, Redcar, Cleveland, TS10 5QW	Current COMAH Site	COMAH Upper Tier Operator



ID	Location	Company	Address	Operational status	Tier
BS	451m E	Sahaviriya Steel Industries Uk Limited	Sahaviriya Steel Industries Uk Limited, Steel House, Redcar, Cleveland, TS10 5QW	Historical COMAH Site	COMAH Upper Tier Operator

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m

45

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Details	
B	On site	Application reference number: No Details Application status: Historical Consent Application date: 26/05/2009 Address: Exolum Riverside Ltd, Billingham Reach, Haverton Hill Road, Billingham, Stockton on Tees Borough Council, England, TS23 1PX	Details: Storage of up to 100000 tonnes of petrol and other petroleum spirits Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
P	On site	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Navigator Terminals Seals Sands Ltd, Seal Sands, Seal Sands, Stockton-on-Tees, Stockton on Tees Borough Council, England, TS2 1UA	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
P	On site	Application reference number: No Details Application status: Approved Application date: No Details Address: Exolum Seal Sands Ltd (North Terminal), North Terminal, , Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UA	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details





ID	Location	Details	
Q	On site	<b>Application reference number: HZ/S/9/92</b> <b>Application status: Historical Consent</b> <b>Application date: No Details</b> <b>Address: Enron (now PX) Teesside Gas Process Plant, Seal Sands, TS2 1UB</b>	<b>Details: Storage of up to 306.4 tonnes of LPG, 7500 tonnes per day (4 million standard cubic feet per day) and 232 tonnes of natural gas liquids</b> <b>Enforcement: No Enforcements Notified</b> <b>Date of enforcement: No Enforcements Notified</b> <b>Comment: No Enforcements Notified</b>
Q	On site	<b>Application reference number: HZ/S/15/93</b> <b>Application status: Historical Consent</b> <b>Application date: 15/02/1994</b> <b>Address: Enron Plant, Seal Sands, Cleveland, TS2 1UB</b>	<b>Details: Amendment to existing consent - storage of up to 306.4 tonnes of LPG, 7500 tonnes per day (4 million standard cubic feet per day) and 350 tonnes of natural gas liquids</b> <b>Enforcement: No Enforcements Notified</b> <b>Date of enforcement: No Enforcements Notified</b> <b>Comment: No Enforcements Notified</b>
Q	On site	<b>Application reference number: 94/1495/H</b> <b>Application status: Historical Consent</b> <b>Application date: 09/05/1995</b> <b>Address: Enron Power Operations Ltd (now PX), Teesside Gas Process Plant, Seal Sands, Middlesbrough, TS2 1UB</b>	<b>Details: Amendment to existing consent to allow increased storage of North Sea gas products</b> <b>Enforcement: No Enforcements Notified</b> <b>Date of enforcement: No Enforcements Notified</b> <b>Comment: No Enforcements Notified</b>
S	7m E	Application reference number: 99/1651/H Application status: Historical Consent Application date: No Details Address: Vertellus Specialities UK Ltd, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
Z	36m S	Application reference number: 05/2201/HAZ Application status: Historical Consent Application date: 01/08/2005 Address: Degussa Fine Organics, Seal Sands Road, Middlesbrough, TS2 1UB	Details: Variation of existing consent for changes in inventory and storage location, inclusion of hydrogen storage, also storage of up to 25 tonnes of chlorine, 0.4 tonnes of hydrogen, 10 tonnes of hydrogen chloride, 5 tonnes of LPG, 75 tonnes of methanol, 1 Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
Z	36m S	Application reference number: 92/2244/H Application status: Historical Consent Application date: 06/01/1993 Address: Fine Organics (now Degussa), Seal Sands, Middlesbrough, TS2 1UB	Details: Storage of up to 50 tonnes of carbon disulphate and 40 tonnes of chlorine Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
Z	41m S	Application reference number: 96/1625/H Application status: Historical Consent Application date: No Details Address: Amoco Cats Terminal, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details



ID	Location	Details	
Z	41m S	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: PX (TGPP) Ltd, Teesside Gas Processing Plant, Seal Sands, Stockton on Tees Borough Council, England, TS2 1UB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
Z	41m S	Application reference number: No Details Application status: Approved Application date: No Details Address: Wood Group PSN Ltd, CATS Terminal, Seal Sands Road, Seal Sands, Middlesbrough, Redcar and Cleveland Borough Council, England, TS2 1UB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
AD	45m SE	Application reference number: 92/2012/H Application status: Historical Consent Application date: 08/10/1992 Address: Tees Storage Company, Seal Sands, Stockton, TS17 6BF	Details: Storage of 1.2 dibromethane and entry Nos. 69 and 71 Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
26	47m W	Application reference number: 95/0047/P Application status: Historical Consent Application date: 11/01/1995 Address: Amoco Cats Terminal, Seal Sands, Middlesbrough, TS2 1UB	Details: Storage of up to 62 tonnes of natural gas Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
32	66m S	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: INEOS Nitriles (UK) Ltd, PO Box 62, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
AE	66m W	Application reference number: 06/2530/HAZ Application status: Historical Consent Application date: 04/08/2006 Address: PX (TGPP) Limited Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UB	Details: Variation of existing consent to increase the quantity of natural gas on site from 15000 tonnes per day to 26000 tonnes per day Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AG	66m SW	Application reference number: 99/1651/H Application status: Historical Consent Application date: 20/10/1999 Address: Vertellus Specialities UK Ltd (Seal Sands Chemicals Ltd), Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UB	Details: Deemed consent for the continued storage of various hazardous substances Enforcement: Data requested, not received. Date of enforcement: Data requested, not received. Comment: Data requested, not received.
AG	66m SW	Application reference number: 92/1836/H Application status: Historical Consent Application date: 16/09/1992 Address: Hexel Chemical Products Ltd (now Seal Sands Chemicals/Vertellus), Seal Sands Road, Seal Sands, TS2 1UB	Details: Storage of up to 20 tonnes of sulphurtrioxide and 80 tonnes of DMS Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Details	
AG	66m SW	Application reference number: 99/1651/H Application status: Historical Consent Application date: 20/10/1999 Address: Vertellus Specialities UK Ltd, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Deemed consent for the continued storage of various hazardous substances Enforcement: Data requested, not received. Date of enforcement: Data requested, not received. Comment: Data requested, not received.
36	81m SW	Application reference number: 99/1621/H Application status: Historical Consent Application date: 20/04/2001 Address: Lundbeck Pharmaceuticals Ltd, Seal Sands, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Storage of up to 90 tonnes of acetonitrile, 3 tonnes of anhydrous ammonia and 2 tonnes of dimethyl formamide Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AD	95m SE	Application reference number: 93/0903/H Application status: Approved Application date: 04/05/1993 Address: Inter Terminals Seal Sands Limited (South Terminal), South Terminal, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UA	Details: Storage and handling of up to 120000 tonnes of crylonitrile Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
42	100m W	Application reference number: 95/0470/H Application status: Historical Consent Application date: 24/03/1995 Address: Ici Chemicals & Polymers Ltd, No 6 Brinefield, North Tees Works, Seal Sands, Middlesbrough, TS2 1TT	Details: Storage of hydrogen, LPG, carbon monoxide, flammable substances (entry 69) and highly flammable liquids (entry 71) Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AN	112m NE	Application reference number: 92/2270/H Application status: Historical Consent Application date: 20/11/1992 Address: Phillips Imperial Petroleum Limited, Huntsman Drive, Seal Sands, Middlesbrough, TS2 1TT	Details: Storage of up to 24800 tonnes of ethane, 79800 tonnes of propane, 23800 tonnes of iso-butane, 49800 tonnes of normal butane and 39800 tonnes of crude oil Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	136m SE	Application reference number: 99/0795/H Application status: Historical Consent Application date: 28/05/1999 Address: Seal Sands Storage, formerly Tees Storage Company, (North Terminal) Seal Sands, Middlesbrough, TS2 1UA	Details: Storage of up to 2500 tonnes of acetonitrile in an above-ground tank Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	161m S	Application reference number: 14/2432/HAZ Application status: Historical Consent Application date: 10/09/2014 Address: Fine Organics Limited, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Hazardous substance consent to increase the fixed storage container size of chlorine Enforcement: No Details Date of enforcement: No Details Comment: No Details



ID	Location	Details	
B	163m SE	Application reference number: 01/0418/H Application status: Historical Consent Application date: 11/07/2001 Address: Vopak, Seal Sands, Billingham, TS2 1UA	Details: Storage of up to 25000 tonnes of methanol Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	163m SE	Application reference number: 01/0126/H Application status: Historical Consent Application date: 24/01/2001 Address: Vopak, Seal Sands, Billingham, TS2 1UA	Details: Storage of up to 15000 tonnes of acetone cyanohydrin Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AF	166m E	Application reference number: 92/1689/H Application status: Historical Consent Application date: 25/08/1992 Address: Seal Sands Storage, Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UA	Details: Storage of up to 7820 tonnes of propylene, 9548 tonnes of vinyl chloride monomer, 234120 tonnes of highly flammable liquids, 2000 tonnes of aqueous ammonia and 4093.5 tonnes of acetone cyanohydrin Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AF	166m E	Application reference number: 96/1535/H Application status: Historical Consent Application date: 16/09/1996 Address: Seal Sands Storage, Seal Sands, Billingham, TS2 1UB	Details: Storage of up to 30611 tonnes of flammable liquids Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AF	166m E	Application reference number: HZ/S/1979/92 Application status: Historical Consent Application date: 25/11/1992 Address: Seal Sands Storage, Seal Sands, Stockton, Middlesbrough, Cleveland, TS2 1UB	Details: Storage of up to 3939 tonnes of butane, 5105 tonnes of acetone cyanohydrin, 122244 tonnes of propylene oxide and 141453 tonnes of acrylonitrile Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BB	167m W	Application reference number: 11/2749/HAZ Application status: Historical Consent Application date: 28/10/2011 Address: PX (TGPP) Limited Gas, Teeside Processing Plant, Seaton Carew Road, Port Clarence, Middlesbrough, TS2 1UB	Details: Storage of 150 tonnes of LPG, 26000 tonnes of natural gas per day, 350 tonnes of natural gas liquids and 1020 tonnes of highly flammable substances Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BE	180m W	Application reference number: 92/2428/H Application status: Historical Consent Application date: 22/12/1992 Address: Amoco Cats Terminal, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Storage of 58 tonnes of hydrocarbon gas, 153 tonnes of hydrocarbon liquids and 4 tonnes of methanol Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	193m S	Application reference number: 14/2432/HAZ Application status: Historical Consent Application date: 01/08/2002 Address: Fine Organics Limited, Seal Sands Road, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Storage of 10 tonnes Of phosgene (carbonyl chloride) in moveable containers Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Details	
J	193m S	Application reference number: 00/1952/H Application status: Historical Consent Application date: 01/12/2000 Address: Fine Organics Limited, Seaton Carew Road, Port Clarence, Middlesbrough, TS2 1UB	Details: Variation of existing consent for storage of new substances acrylonitrile, bromine & oxygen with revised consents for other substances. Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	193m S	Application reference number: 01/1853/H Application status: Historical Consent Application date: 17/10/2001 Address: Fine Organics Limited, Seaton Carew Road, Port Clarence, Middlesbrough, TS2 1UB	Details: Variation of existing consent for revised consent for existing and new movable container storage areas Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AY	203m S	Application reference number: 98/1340/H Application status: Historical Consent Application date: 18/12/1998 Address: BASF, Seal Sands, Middlesbrough, TS2 1TX	Details: Variation of existing consent for the storage of up to 49740 tonnes of acrylonitrile, 24000 tonnes of ammonia, 700 tonnes of hydrogen cyanide and 6000 tonnes of propylene Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AY	203m S	Application reference number: 92/2290/H Application status: Historical Consent Application date: 25/11/1992 Address: Basf, Seal Sands, Middlesbrough, TS2 1TX	Details: Storage of 49740 tonnes of acrylonitrile, 24000 tonnes of ammonia, 700 tonnes of hydrogen cyanide and 600 tonnes of propylene Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BF	209m NE	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Norse Pipeline Ltd, c/o ConocoPhillips Petroleum Company UK Limited, Teesside Operations, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UH	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
K	213m S	Application reference number: 09/1376/HAZ Application status: Historical Consent Application date: 08/01/2009 Address: Fine Organics Limited, Seaton Carew Road, Port Clarence, Middlesbrough, TS2 1UB	Details: Storage of up to 25 tonnes of chlorine, 0.4 tonnes of hydrogen, 10 tonnes of hydrogen chloride, 5 tonnes of LPG, 75 tonnes of methanol, 12 tonnes of oxygen, 1 tonnes of acrylonitrile, 35 tonnes of carbon disulphide, 0.02 tonnes of acetylene, 10 tonne Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BE	225m W	Application reference number: 96/1625/H Application status: Historical Consent Application date: 30/09/1996 Address: Amoco Cats Terminal, Seal Sands Road, Seal Sands, Billingham, Stockton On Tees, TS2 1UB	Details: Storage of up to 51 tonnes of LPG, 269 tonnes of hydrocarbon gas, 477 tonnes of highly flammable liquids and 34 tonnes of flammable liquids Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Details	
66	257m NW	Application reference number: 07/2284/HAZ Application status: Historical Consent Application date: 27/07/2007 Address: Norsea Pipeline Ltd, c/o Conocophillips Petroleum Company UK, Seal Sands, Middlesbrough, TS2 1UH	Details: Storage and movement of up to 630000 tonnes of natural gas/liquefied natural gas Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BN	276m S	Application reference number: 05/0605/HAZ Application status: Withdrawn Application date: 07/06/2005 Address: Dow Chemical Co. Ltd, Seal Sands, Middlesbrough, TS2 1UD	Details: Variation of existing consent to include the storage of substances below the qualifying quantities and category 10 ii substances used in a new product application. Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
BN	276m S	Application reference number: 99/1621/H Application status: Historical Consent Application date: 19/10/1999 Address: Dow Chemical Company Ltd, Seal Sands, Middlesbrough, Stockton on Tees Borough Council, England, TS2 1UB	Details: Deemed consent for the continued storage of hazardous substances Enforcement: Data requested, not received. Date of enforcement: Data requested, not received. Comment: Data requested, not received.
71	323m S	Application reference number: 01/0138/H Application status: Historical Consent Application date: 26/01/2001 Address: INEOS Nitriles (BASF Plc), Seal Sands, Middlesbrough, TS2 1UB	Details: Storage of up to 150 tonnes of acetone cyanohydrin Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
74	391m N	Application reference number: 92/2093/H Application status: Historical Consent Application date: 21/10/1992 Address: Phillips Imperial Petroleum Limited, Huntsman Drive, Seal Sands, Middlesbrough, TS2 1TT	Details: Storage of ethane, propane, iso-butane, normal Butane, mixed NGL and crude oil Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

261

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on [page 97 >](#)



ID	Location	Details	
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Combustion Processes Permit Number: AA2976	Original Permit Number: IPCAIRAPP Date Approved: 30-11-1991 Effective Date: 30-11-1991 Status: Superseded By Variation
Q	On site	Operator: Px Ltd Address: Teesside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AB1410	Original Permit Number: IPCAPP Date Approved: 31-12-1991 Effective Date: 31-12-1991 Status: Superseded By Variation
Q	On site	Operator: Prom Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AB7108	Original Permit Number: IPCAPP Date Approved: 6-3-1992 Effective Date: 6-3-1992 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AB7914	Original Permit Number: IPCAPP Date Approved: 28-2-1992 Effective Date: 28-2-1992 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AC1997	Original Permit Number: IPCAPP Date Approved: 28-2-1992 Effective Date: 28-2-1992 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AF0083	Original Permit Number: IPCAPP Date Approved: 1-7-1992 Effective Date: 1-7-1992 Status: Revoked
Q	On site	Operator: Hexcel Chemical Products Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AF1802	Original Permit Number: IPCAPP Date Approved: 5-10-1992 Effective Date: 5-10-1992 Status: Surrendered
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AF4836	Original Permit Number: IPCAIRAPP Date Approved: 1-2-1993 Effective Date: 1-2-1993 Status: Superseded By Variation



ID	Location	Details	
Q	On site	<b>Operator:</b> Conocophillips Petroleum Co UK Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Combustion Processes <b>Permit Number:</b> AF6537	<b>Original Permit Number:</b> IPCMAJVAR <b>Date Approved:</b> 4-12-1992 <b>Effective Date:</b> 4-12-1992 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Incineration <b>Permit Number:</b> AG8578	<b>Original Permit Number:</b> IPCAIRAPP <b>Date Approved:</b> 26-7-1993 <b>Effective Date:</b> 26-7-1993 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AH4403	<b>Original Permit Number:</b> IPCAPP <b>Date Approved:</b> 16-3-1993 <b>Effective Date:</b> 16-3-1993 <b>Status:</b> Revoked
Q	On site	<b>Operator:</b> Seal Sands Chemicals Ltd <b>Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AH6465	<b>Original Permit Number:</b> IPCAPP <b>Date Approved:</b> 28-6-1993 <b>Effective Date:</b> 28-6-1993 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AI3585	<b>Original Permit Number:</b> IPCAPP <b>Date Approved:</b> 20-5-1993 <b>Effective Date:</b> 20-5-1993 <b>Status:</b> Revoked
Q	On site	<b>Operator:</b> Px Ltd <b>Address:</b> Teeside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Gasification And Associated Processes <b>Permit Number:</b> AI3798	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 26-4-1993 <b>Effective Date:</b> 26-4-1993 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Processes Involving Halogens <b>Permit Number:</b> AI9257	<b>Original Permit Number:</b> IPCAPP <b>Date Approved:</b> 1-9-1993 <b>Effective Date:</b> 1-9-1993 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Lundbeck Pharmaceuticals Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AI9770	<b>Original Permit Number:</b> IPCAPP <b>Date Approved:</b> 2-9-1993 <b>Effective Date:</b> 2-9-1993 <b>Status:</b> Superseded By Variation





ID	Location	Details	
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK0197	Original Permit Number: IPCMINVAR Date Approved: 22-9-1993 Effective Date: 22-9-1993 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6560	Original Permit Number: IPCAIRAPP Date Approved: 30-3-1994 Effective Date: 31-3-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK7698	Original Permit Number: IPCAIRAPP Date Approved: 30-3-1994 Effective Date: 31-3-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK9003	Original Permit Number: IPCAIRAPP Date Approved: 3-3-1994 Effective Date: 15-3-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK9011	Original Permit Number: IPCAIRAPP Date Approved: 3-3-1994 Effective Date: 15-3-1994 Status: Revoked
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK9020	Original Permit Number: IPCAPP Date Approved: 1-3-1994 Effective Date: 9-3-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK9127	Original Permit Number: IPCAIRAPP Date Approved: 30-3-1994 Effective Date: 31-3-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AL1202	Original Permit Number: IPCAPP Date Approved: 3-3-1994 Effective Date: 7-3-1994 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AL4651	Original Permit Number: IPCMINVAR Date Approved: 18-1-1994 Effective Date: 18-1-1994 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AL5291	Original Permit Number: IPCAPP Date Approved: 10-3-1994 Effective Date: 21-3-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AL6956	Original Permit Number: IPCAIRAPP Date Approved: 16-6-1994 Effective Date: 27-6-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AL9670	Original Permit Number: IPCAIRAPP Date Approved: 12-8-1994 Effective Date: 27-8-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AL9688	Original Permit Number: IPCAIRAPP Date Approved: 26-8-1994 Effective Date: 31-8-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AL9696	Original Permit Number: IPCAIRAPP Date Approved: 15-6-1994 Effective Date: 27-6-1994 Status: Revoked
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AM7621	Original Permit Number: IPCAPP Date Approved: 4-7-1994 Effective Date: 8-7-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AN5012	Original Permit Number: IPCMINVAR Date Approved: 30-6-1994 Effective Date: 1-7-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AN5039	Original Permit Number: IPCMINVAR Date Approved: 30-6-1994 Effective Date: 1-7-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AN6892	Original Permit Number: IPCMINVAR Date Approved: 21-7-1994 Effective Date: 27-7-1994 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AN7171	Original Permit Number: IPCMINVAR Date Approved: 27-7-1994 Effective Date: 27-7-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AN7180	Original Permit Number: IPCMINVAR Date Approved: 7-7-1994 Effective Date: 7-7-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AO2698	Original Permit Number: IPCMINVAR Date Approved: 25-8-1994 Effective Date: 27-8-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AO2876	Original Permit Number: IPCMINVAR Date Approved: 31-8-1994 Effective Date: 1-9-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AO3619	Original Permit Number: IPCMINVAR Date Approved: 7-9-1994 Effective Date: 12-9-1994 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AO8866	Original Permit Number: IPCMINVAR Date Approved: 23-11-1994 Effective Date: 28-11-1994 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AP4939	Original Permit Number: IPCMINVAR Date Approved: 3-1-1995 Effective Date: 3-1-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AP6290	Original Permit Number: IPCAPP Date Approved: 10-4-1995 Effective Date: 14-4-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AP6648	Original Permit Number: IPCMINVAR Date Approved: 19-1-1995 Effective Date: 23-1-1995 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Combustion Processes Permit Number: AP9230	Original Permit Number: IPCMINVAR Date Approved: 6-9-1995 Effective Date: 11-9-1995 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AP9264	Original Permit Number: IPCMINVAR Date Approved: 8-8-1995 Effective Date: 14-8-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AQ0068	Original Permit Number: IPCMINVAR Date Approved: 16-2-1995 Effective Date: 20-2-1995 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AQ9383	Original Permit Number: IPCMINVAR Date Approved: 16-5-1995 Effective Date: 16-5-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AR6444	Original Permit Number: IPCMINVAR Date Approved: 23-5-1995 Effective Date: 26-5-1995 Status: Superseded By Variation
Q	On site	Operator: Px Ltd Address: Teeside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AR7637	Original Permit Number: IPCMAJVAR Date Approved: 25-9-1995 Effective Date: 1-10-1995 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AS3897	Original Permit Number: IPCMINVAR Date Approved: 28-7-1995 Effective Date: 4-8-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AS5229	Original Permit Number: IPCMINVAR Date Approved: 27-7-1995 Effective Date: 1-8-1995 Status: Revoked



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AS5245	Original Permit Number: IPCMINVAR Date Approved: 27-7-1995 Effective Date: 1-8-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AS5482	Original Permit Number: IPCMINVAR Date Approved: 27-7-1995 Effective Date: 1-8-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AT2276	Original Permit Number: IPCMINVAR Date Approved: 8-9-1995 Effective Date: 18-9-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AT2284	Original Permit Number: IPCMINVAR Date Approved: 8-9-1995 Effective Date: 18-9-1995 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AT2624	Original Permit Number: IPCMAJVAR Date Approved: 18-1-1996 Effective Date: 22-1-1996 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AT3736	Original Permit Number: IPCAPP Date Approved: 14-12-1995 Effective Date: 15-12-1995 Status: Revoked
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AU2344	Original Permit Number: IPCMAJVAR Date Approved: 14-5-1996 Effective Date: 17-5-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AU4410	Original Permit Number: IPCMINVAR Date Approved: 16-2-1996 Effective Date: 19-2-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AU4436	Original Permit Number: IPCMINVAR Date Approved: 16-2-1996 Effective Date: 19-2-1996 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AU4517	Original Permit Number: IPCMINVAR Date Approved: 28-1-1996 Effective Date: 29-1-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AU9730	Original Permit Number: IPCMINVAR Date Approved: 14-5-1996 Effective Date: 17-5-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV3672	Original Permit Number: IPCMINVAR Date Approved: 29-3-1996 Effective Date: 31-3-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV5608	Original Permit Number: IPCMINVAR Date Approved: 24-5-1996 Effective Date: 24-5-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV6078	Original Permit Number: IPCMINVAR Date Approved: 22-5-1996 Effective Date: 23-5-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV6680	Original Permit Number: IPCMINVAR Date Approved: 3-4-1997 Effective Date: 10-4-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV6698	Original Permit Number: IPCMINVAR Date Approved: 16-5-1996 Effective Date: 1-6-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AV6701	Original Permit Number: IPCMINVAR Date Approved: 16-5-1996 Effective Date: 1-6-1996 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV7490	Original Permit Number: IPCMINVAR Date Approved: 23-8-1996 Effective Date: 28-8-1996 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV8313	Original Permit Number: IPCMINVAR Date Approved: 7-6-1996 Effective Date: 7-6-1996 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AV9590	Original Permit Number: IPCMINVAR Date Approved: 8-7-1996 Effective Date: 16-7-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AV9921	Original Permit Number: IPCMINVAR Date Approved: 5-7-1996 Effective Date: 8-7-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV9930	Original Permit Number: IPCMINVAR Date Approved: 5-7-1996 Effective Date: 8-7-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV9948	Original Permit Number: IPCMINVAR Date Approved: 5-7-1996 Effective Date: 8-7-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AV9956	Original Permit Number: IPCMINVAR Date Approved: 5-7-1996 Effective Date: 8-7-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AV9964	Original Permit Number: IPCMINVAR Date Approved: 5-7-1996 Effective Date: 8-7-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: AW0156	Original Permit Number: IPCMINVAR Date Approved: 23-8-1996 Effective Date: 30-8-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: AW0229	Original Permit Number: IPCMINVAR Date Approved: 29-11-1996 Effective Date: 30-11-1996 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW0385	Original Permit Number: IPCMINVAR Date Approved: 10-7-1996 Effective Date: 19-7-1996 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Combustion Processes Permit Number: AW0776	Original Permit Number: IPCMINVAR Date Approved: 26-7-1996 Effective Date: 2-8-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW4208	Original Permit Number: IPCMINVAR Date Approved: 23-8-1996 Effective Date: 30-8-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW4631	Original Permit Number: IPCMINVAR Date Approved: 24-8-1996 Effective Date: 31-8-1996 Status: Revoked
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW4640	Original Permit Number: IPCMINVAR Date Approved: 23-8-1996 Effective Date: 30-8-1996 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW4968	Original Permit Number: IPCMINVAR Date Approved: 24-8-1996 Effective Date: 31-8-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW8483	Original Permit Number: IPCMINVAR Date Approved: 4-10-1996 Effective Date: 4-10-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW9331	Original Permit Number: IPCMINVAR Date Approved: 22-11-1996 Effective Date: 25-11-1996 Status: Revoked
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AW9579	Original Permit Number: IPCMINVAR Date Approved: 16-10-1996 Effective Date: 16-10-1996 Status: Superseded By Variation





ID	Location	Details	
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AW9919	Original Permit Number: IPCMINVAR Date Approved: 24-10-1996 Effective Date: 24-10-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AW9927	Original Permit Number: IPCMINVAR Date Approved: 24-10-1996 Effective Date: 24-10-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AX1638	Original Permit Number: IPCMINVAR Date Approved: 15-11-1996 Effective Date: 15-11-1996 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AX3002	Original Permit Number: IPCMINVAR Date Approved: 17-12-1996 Effective Date: 1-1-1997 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Combustion Processes Permit Number: AX3029	Original Permit Number: IPCMINVAR Date Approved: 17-12-1996 Effective Date: 1-1-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: AX3681	Original Permit Number: IPCMINVAR Date Approved: 29-11-1996 Effective Date: 3-12-1996 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX5854	Original Permit Number: IPCMINVAR Date Approved: 10-1-1997 Effective Date: 13-1-1997 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX6419	Original Permit Number: IPCMINVAR Date Approved: 25-4-1997 Effective Date: 2-5-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX6613	Original Permit Number: IPCMINVAR Date Approved: 3-2-1997 Effective Date: 14-2-1997 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX7750	Original Permit Number: IPCMINVAR Date Approved: 28-1-1997 Effective Date: 29-1-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX8233	Original Permit Number: IPCMINVAR Date Approved: 12-2-1997 Effective Date: 14-2-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: AY1170	Original Permit Number: IPCMINVAR Date Approved: 21-2-1997 Effective Date: 24-2-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY1366	Original Permit Number: IPCMINVAR Date Approved: 7-3-1997 Effective Date: 10-3-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY2818	Original Permit Number: IPCMINVAR Date Approved: 27-3-1997 Effective Date: 27-3-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY3407	Original Permit Number: IPCMINVAR Date Approved: 7-4-1997 Effective Date: 8-4-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: AY4314	Original Permit Number: IPCMINVAR Date Approved: 14-5-1997 Effective Date: 15-5-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY7232	Original Permit Number: IPCMINVAR Date Approved: 23-5-1997 Effective Date: 30-5-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY7259	Original Permit Number: IPCMINVAR Date Approved: 23-5-1997 Effective Date: 30-5-1997 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AY7925	Original Permit Number: IPCMINVAR Date Approved: 13-6-1997 Effective Date: 20-6-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AY8603	Original Permit Number: IPCMINVAR Date Approved: 29-5-1997 Effective Date: 29-5-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ0802	Original Permit Number: IPCMINVAR Date Approved: 20-6-1997 Effective Date: 27-6-1997 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ2309	Original Permit Number: IPCMAJVAR Date Approved: 23-10-1997 Effective Date: 23-10-1997 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: AZ3062	Original Permit Number: IPCMINVAR Date Approved: 16-1-1998 Effective Date: 23-1-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ7637	Original Permit Number: IPCMINVAR Date Approved: 8-10-1997 Effective Date: 17-10-1997 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: AZ8382	Original Permit Number: IPCMINVAR Date Approved: 7-11-1997 Effective Date: 14-11-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ9630	Original Permit Number: IPCMINVAR Date Approved: 31-10-1997 Effective Date: 31-10-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA0951	Original Permit Number: IPCMINVAR Date Approved: 11-11-1997 Effective Date: 18-11-1997 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA1176	Original Permit Number: IPCMINVAR Date Approved: 12-11-1997 Effective Date: 19-11-1997 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BA3284	Original Permit Number: IPCMINVAR Date Approved: 19-12-1997 Effective Date: 1-1-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA6828	Original Permit Number: IPCMINVAR Date Approved: 18-2-1998 Effective Date: 2-3-1998 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA9398	Original Permit Number: IPCMINVAR Date Approved: 15-4-1998 Effective Date: 27-4-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA9487	Original Permit Number: IPCMINVAR Date Approved: 1-4-1998 Effective Date: 8-4-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BA9860	Original Permit Number: IPCMINVAR Date Approved: 27-3-1998 Effective Date: 1-4-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BB0116	Original Permit Number: IPCMINVAR Date Approved: 8-4-1998 Effective Date: 14-4-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BB0124	Original Permit Number: IPCMINVAR Date Approved: 8-4-1998 Effective Date: 15-4-1998 Status: Superseded By Variation



ID	Location	Details	
Q	On site	<p><b>Operator:</b> Px Ltd  <b>Address:</b> Teesside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Gasification And Associated Processes  <b>Permit Number:</b> BB1007</p>	<p><b>Original Permit Number:</b> IPCMAJVAR  <b>Date Approved:</b> 25-6-1998  <b>Effective Date:</b> 3-7-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Seal Sands Chemicals Ltd  <b>Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Manufacture And Use Of Organic Chemicals  <b>Permit Number:</b> BB3522</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-6-1998  <b>Effective Date:</b> 8-6-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Conocophillips Petroleum Co UK Ltd  <b>Address:</b> Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Petroleum Processes  <b>Permit Number:</b> BB5037</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 24-6-1998  <b>Effective Date:</b> 1-7-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Seal Sands Chemicals Ltd  <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Manufacture And Use Of Organic Chemicals  <b>Permit Number:</b> BB5126</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-7-1998  <b>Effective Date:</b> 6-7-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Fine Organics Ltd  <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Processes Involving Halogens  <b>Permit Number:</b> BB9385</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-9-1998  <b>Effective Date:</b> 1-10-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Fine Organics Ltd  <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Manufacture And Use Of Organic Chemicals  <b>Permit Number:</b> BB9407</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-9-1998  <b>Effective Date:</b> 1-10-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Fine Organics Ltd  <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Manufacture And Use Of Organic Chemicals  <b>Permit Number:</b> BB9415</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-9-1998  <b>Effective Date:</b> 1-10-1998  <b>Status:</b> Superseded By Variation</p>
Q	On site	<p><b>Operator:</b> Fine Organics Ltd  <b>Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB  <b>Process:</b> Processes Involving Halogens  <b>Permit Number:</b> BB9431</p>	<p><b>Original Permit Number:</b> IPCMINVAR  <b>Date Approved:</b> 1-9-1998  <b>Effective Date:</b> 1-10-1998  <b>Status:</b> Superseded By Variation</p>



ID	Location	Details	
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BB9440	Original Permit Number: IPCMINVAR Date Approved: 1-9-1998 Effective Date: 1-10-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BB9873	Original Permit Number: IPCMINVAR Date Approved: 27-8-1998 Effective Date: 3-9-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BC0189	Original Permit Number: IPCMINVAR Date Approved: 25-9-1998 Effective Date: 2-10-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BC2165	Original Permit Number: IPCMINVAR Date Approved: 12-10-1998 Effective Date: 19-10-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BC3641	Original Permit Number: IPCMINVAR Date Approved: 26-11-1998 Effective Date: 3-12-1998 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Combustion Processes Permit Number: BD7898	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BE0317	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BE0457	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BE3987	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc



ID	Location	Details	
Q	On site	<b>Operator:</b> Px Ltd <b>Address:</b> Teeside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Gasification And Associated Processes <b>Permit Number:</b> BE4274	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Conocophillips Petroleum Co UK Ltd <b>Address:</b> Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Petroleum Processes <b>Permit Number:</b> BE5165	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Processes Involving Halogens <b>Permit Number:</b> BE5998	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> BE6013	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> BE6021	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Processes Involving Halogens <b>Permit Number:</b> BE6030	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Fine Organics Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Acid Processes <b>Permit Number:</b> BE6048	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Seal Sands Chemicals Ltd <b>Address:</b> Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Acid Processes <b>Permit Number:</b> BE6145	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 24-11-1998 <b>Effective Date:</b> 30-11-1998 <b>Status:</b> Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BE6196	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BE6536	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BF0053	Original Permit Number: IPCMAJVAR Date Approved: 29-9-1999 Effective Date: 30-9-1999 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: BF7791	Original Permit Number: IPCMINVAR Date Approved: 28-5-1999 Effective Date: 1-6-1999 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Processes Involving Halogens Permit Number: BG0415	Original Permit Number: IPCMINVAR Date Approved: 17-5-1999 Effective Date: 24-5-1999 Status: Revoked - Now Ippc
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BG5387	Original Permit Number: IPCMINVAR Date Approved: 6-8-1999 Effective Date: 13-8-1999 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BG6847	Original Permit Number: IPCMINVAR Date Approved: 6-9-1999 Effective Date: 13-9-1999 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BH1352	Original Permit Number: IPCMINVAR Date Approved: 28-10-1999 Effective Date: 2-11-1999 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BH1387	Original Permit Number: IPCMINVAR Date Approved: 19-10-1999 Effective Date: 22-10-1999 Status: Superseded By Variation





ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BH2057	Original Permit Number: IPCMINVAR Date Approved: 8-11-1999 Effective Date: 9-11-1999 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BH3266	Original Permit Number: IPCMINVAR Date Approved: 7-3-2000 Effective Date: 9-3-2000 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BH7121	Original Permit Number: IPCMINVAR Date Approved: 1-3-2000 Effective Date: 1-3-2000 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BH9639	Original Permit Number: IPCMINVAR Date Approved: 7-3-2000 Effective Date: 7-3-2000 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BH9647	Original Permit Number: IPCMINVAR Date Approved: 7-3-2000 Effective Date: 9-3-2000 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BI6589	Original Permit Number: IPCMINVAR Date Approved: 30-6-2000 Effective Date: 1-7-2000 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BI7135	Original Permit Number: IPCMINVAR Date Approved: 17-7-2000 Effective Date: 17-7-2000 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BI7500	Original Permit Number: IPCMINVAR Date Approved: 21-8-2000 Effective Date: 21-8-2000 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ1532	Original Permit Number: IPCMINVAR Date Approved: 13-9-2000 Effective Date: 15-9-2000 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ7646	Original Permit Number: IPCMINVAR Date Approved: 25-1-2001 Effective Date: 25-1-2001 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BK1295	Original Permit Number: IPCMINVAR Date Approved: 13-12-2000 Effective Date: 13-12-2000 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: BK3336	Original Permit Number: IPCMINVAR Date Approved: 27-2-2001 Effective Date: 1-3-2001 Status: Superseded By Variation
Q	On site	Operator: Px Ltd Address: Teesside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: BK4804	Original Permit Number: IPCMINVAR Date Approved: 8-2-2001 Effective Date: 12-2-2001 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BK8915	Original Permit Number: IPCMINVAR Date Approved: 25-7-2001 Effective Date: 25-7-2001 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BL3153	Original Permit Number: IPCMAJVAR Date Approved: 5-12-2001 Effective Date: 10-12-2001 Status: Superseded By Variation
Q	On site	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Incineration Permit Number: BQ2634	Original Permit Number: IPCMINVAR Date Approved: 14-1-2002 Effective Date: 14-1-2002 Status: Revoked - Now Ippc
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BS0892	Original Permit Number: IPCMINVAR Date Approved: 21-5-2002 Effective Date: 21-5-2002 Status: Superseded By Variation



ID	Location	Details	
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: BS6092	Original Permit Number: IPCMINVAR Date Approved: 7-11-2002 Effective Date: 1-12-2002 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BT3048	Original Permit Number: IPCMINVAR Date Approved: 19-9-2002 Effective Date: 19-9-2002 Status: Revoked - Now Ippc
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Acid Processes Permit Number: BU0931	Original Permit Number: IPCMINVAR Date Approved: 29-1-2003 Effective Date: 30-1-2003 Status: Revoked - Now Ippc
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BU4317	Original Permit Number: IPCMINVAR Date Approved: 7-3-2003 Effective Date: 7-3-2003 Status: Superseded By Variation
Q	On site	Operator: Seal Sands Chemicals Ltd Address: Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BU6697	Original Permit Number: IPCMINVAR Date Approved: 3-4-2003 Effective Date: 4-4-2003 Status: Revoked - Now Ippc
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BV1151	Original Permit Number: IPCMINVAR Date Approved: 1-8-2003 Effective Date: 10-8-2003 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BV5726	Original Permit Number: IPCMINVAR Date Approved: 15-10-2003 Effective Date: 16-10-2003 Status: Superseded By Variation
Q	On site	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BW3133	Original Permit Number: IPCMINVAR Date Approved: 18-12-2003 Effective Date: 1-1-2004 Status: Superseded By Variation
Q	On site	Operator: Conocophillips Petroleum Co UK Ltd Address: Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Petroleum Processes Permit Number: BY3860	Original Permit Number: IPCMINVAR Date Approved: 5-11-2004 Effective Date: 5-11-2004 Status: Superseded By Variation



ID	Location	Details	
Q	On site	<b>Operator:</b> Lundbeck Pharmaceuticals Ltd <b>Address:</b> Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> BY6796	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 6-1-2005 <b>Effective Date:</b> 14-1-2005 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Lundbeck Pharmaceuticals Ltd <b>Address:</b> Seal Sands Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> BY8748	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 15-1-2005 <b>Effective Date:</b> 19-1-2005 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Conocophillips Petroleum Co UK Ltd <b>Address:</b> Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Petroleum Processes <b>Permit Number:</b> BZ3156	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 20-6-2005 <b>Effective Date:</b> 20-6-2005 <b>Status:</b> Superseded By Variation
Q	On site	<b>Operator:</b> Conocophillips Petroleum Co UK Ltd <b>Address:</b> Phillips Petroleum Site, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Petroleum Processes <b>Permit Number:</b> CA7349	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 22-8-2006 <b>Effective Date:</b> 22-8-2006 <b>Status:</b> Revoked - Now Ippc
Q	On site	<b>Operator:</b> Px Ltd <b>Address:</b> Teesside Gas Processing Plant, Seal Sands Road, Seal Sands, Middlesbrough, Cleveland, TS2 1UB <b>Process:</b> Gasification And Associated Processes <b>Permit Number:</b> CA9970	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 20-12-2006 <b>Effective Date:</b> 21-12-2006 <b>Status:</b> Revoked - Now Ippc
AG	51m SW	<b>Operator:</b> Av No 4 Ltd <b>Address:</b> P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AL1482	<b>Original Permit Number:</b> IPCAIRAPP <b>Date Approved:</b> 23-3-1994 <b>Effective Date:</b> 30-3-1994 <b>Status:</b> Superseded By Variation
AG	51m SW	<b>Operator:</b> Av No 4 Ltd <b>Address:</b> P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AO7576	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 14-10-1994 <b>Effective Date:</b> 17-10-1994 <b>Status:</b> Superseded By Variation
AG	51m SW	<b>Operator:</b> Av No 4 Ltd <b>Address:</b> P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ <b>Process:</b> Manufacture And Use Of Organic Chemicals <b>Permit Number:</b> AT8649	<b>Original Permit Number:</b> IPCMINVAR <b>Date Approved:</b> 9-11-1995 <b>Effective Date:</b> 10-11-1995 <b>Status:</b> Superseded By Variation



ID	Location	Details	
AG	51m SW	Operator: Av No 4 Ltd Address: P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ Process: Manufacture And Use Of Organic Chemicals Permit Number: AW8165	Original Permit Number: IPCMINVAR Date Approved: 29-11-1996 Effective Date: 31-1-1997 Status: Superseded By Variation
AG	51m SW	Operator: Av No 4 Ltd Address: P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ Process: Manufacture And Use Of Organic Chemicals Permit Number: BC1843	Original Permit Number: IPCMINVAR Date Approved: 18-12-1998 Effective Date: 21-12-1998 Status: Superseded By Variation
AG	51m SW	Operator: Av No 4 Ltd Address: P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ Process: Manufacture And Use Of Organic Chemicals Permit Number: BD7103	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
AG	51m SW	Operator: Av No 4 Ltd Address: P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ Process: Manufacture And Use Of Organic Chemicals Permit Number: BI1790	Original Permit Number: IPCMINVAR Date Approved: 4-7-2000 Effective Date: 4-7-2000 Status: Superseded By Variation
AG	51m SW	Operator: Av No 4 Ltd Address: P O Box 76, Seal Sands, Middlesbrough, Cleveland, TS2 1YJ Process: Manufacture And Use Of Organic Chemicals Permit Number: BL1282	Original Permit Number: IPCMINVAR Date Approved: 22-10-2001 Effective Date: 26-10-2001 Status: Revoked - Now Ippc
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: AV2765	Original Permit Number: IPCAPP Date Approved: 4-4-1997 Effective Date: 4-4-1997 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BB0868	Original Permit Number: IPCMAJVAR Date Approved: 20-7-1998 Effective Date: 20-7-1998 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BC3030	Original Permit Number: IPCMINVAR Date Approved: 23-10-1998 Effective Date: 28-10-1998 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BE6668	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation



ID	Location	Details	
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BF7562	Original Permit Number: IPCMAJVAR Date Approved: 30-6-1999 Effective Date: 1-7-1999 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BG1497	Original Permit Number: IPCMINVAR Date Approved: 20-5-1999 Effective Date: 1-6-1999 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BL2980	Original Permit Number: IPCMINVAR Date Approved: 21-8-2001 Effective Date: 27-8-2001 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BU0362	Original Permit Number: IPCMINVAR Date Approved: 2-5-2003 Effective Date: 9-5-2003 Status: Superseded By Variation
W	65m SW	Operator: Viking Power Ltd Address: Seal Sands Bulk Supply Point Substation, Seal Sands, Stockton-on-tees, Cleveland, TS2 2NR Process: Combustion Processes Permit Number: BY3975	Original Permit Number: IPCMINVAR Date Approved: 5-11-2004 Effective Date: 5-11-2004 Status: Revoked - Now Ippc
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AB4524	Original Permit Number: IPCAPP Date Approved: 28-2-1992 Effective Date: 28-2-1992 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AJ1503	Original Permit Number: IPCMINVAR Date Approved: 1-8-1993 Effective Date: 1-8-1993 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AS7256	Original Permit Number: IPCMAJVAR Date Approved: 3-10-1995 Effective Date: 8-10-1995 Status: Superseded By Variation



ID	Location	Details	
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AU2948	Original Permit Number: IPCMINVAR Date Approved: 20-12-1995 Effective Date: 1-1-1996 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: AX3673	Original Permit Number: IPCMAJVAR Date Approved: 14-3-1997 Effective Date: 18-3-1997 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: BA9584	Original Permit Number: IPCMINVAR Date Approved: 27-4-1998 Effective Date: 4-5-1998 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: BE4037	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
AL	83m W	Operator: Amoco (UK) Exploration Co Ltd Address: T/a Bp Exploration Operating Company Ltd, Cats Terminal, Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Gasification And Associated Processes Permit Number: BU2233	Original Permit Number: IPCMINVAR Date Approved: 26-3-2003 Effective Date: 1-4-2003 Status: Revoked - Now Ippc
AQ	91m SW	Operator: Petroplus Refining Teesside Ltd Address: Pip Crude Oil Unit Furnace, North Tees Works, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Combustion Processes Permit Number: AA2356	Original Permit Number: IPCAIRAPP Date Approved: 25-9-1992 Effective Date: 25-9-1992 Status: Superseded By Variation
AQ	91m SW	Operator: Ici Chemicals and Polymers Ltd Address: North Tees Works Package Boilers, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Combustion Processes Permit Number: AA3239	Original Permit Number: IPCAIRAPP Date Approved: 26-7-1993 Effective Date: 26-7-1993 Status: Superseded By Variation
AQ	91m SW	Operator: Imperial Chemical Industries Plc Address: No 2 Aromatics Complex, North Tees Works, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Petroleum Processes Permit Number: AF8262	Original Permit Number: IPCAIRAPP Date Approved: 7-4-1993 Effective Date: 7-4-1993 Status: Superseded By Variation



ID	Location	Details	
AQ	91m SW	Operator: Petroplus Refining Teesside Ltd Address: Pip Crude Oil Unit Furnace, North Tees Works, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Combustion Processes Permit Number: AJ1031	Original Permit Number: IPCMINVAR Date Approved: 28-7-1993 Effective Date: 28-7-1993 Status: Superseded By Variation
AQ	91m SW	Operator: Imperial Chemical Industries Plc Address: No 2 Aromatics Complex, North Tees Works, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Petroleum Processes Permit Number: AJ3140	Original Permit Number: IPCMINVAR Date Approved: 21-12-1994 Effective Date: 21-12-1994 Status: Revoked
AQ	91m SW	Operator: Petroplus Refining Teesside Ltd Address: Pip Crude Oil Unit Furnace, North Tees Works, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Combustion Processes Permit Number: AJ4804	Original Permit Number: IPCMINVAR Date Approved: 29-7-1993 Effective Date: 29-7-1993 Status: Revoked
AQ	91m SW	Operator: Ici Chemicals and Polymers Ltd Address: North Tees Works Package Boilers, Port Clarence, Middlesbrough, Cleveland, TS2 1TT Process: Combustion Processes Permit Number: AP3657	Original Permit Number: IPCMINVAR Date Approved: 21-12-1994 Effective Date: 21-12-1994 Status: Revoked
AR	92m SW	Operator: Fine Organics Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS18 1LD Process: Inorganic Chemical Processes Permit Number: AA5533	Original Permit Number: IPCAPP Date Approved: 21-11-1991 Effective Date: 21-11-1991 Status: Revoked
AI	123m SE	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BI6040	Original Permit Number: IPCAPP Date Approved: 27-10-2000 Effective Date: 13-11-2000 Status: Superseded By Variation
AI	123m SE	Operator: Seal Sands Chemicals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: BV6218	Original Permit Number: IPCMINVAR Date Approved: 4-9-2003 Effective Date: 5-9-2003 Status: Revoked - Now Ippc
BF	216m NE	Operator: Conocophillips Petroleum Co UK Ltd Address: Greatham Tank Farm, Seal Sands, Middlesbrough, Cleveland, TS2 1UH Process: Petroleum Processes Permit Number: AF5590	Original Permit Number: IPCAPP Date Approved: 26-1-1993 Effective Date: 26-1-1993 Status: Superseded By Variation





ID	Location	Details	
BF	216m NE	Operator: Conocophillips Petroleum Co UK Ltd Address: Greatham Tank Farm, Seal Sands, Middlesbrough, Cleveland, TS2 1UH Process: Petroleum Processes Permit Number: AO2167	Original Permit Number: IPCMINVAR Date Approved: 9-8-1994 Effective Date: 18-8-1994 Status: Superseded By Variation
BF	216m NE	Operator: Conocophillips Petroleum Co UK Ltd Address: Greatham Tank Farm, Seal Sands, Middlesbrough, Cleveland, TS2 1UH Process: Petroleum Processes Permit Number: AX2995	Original Permit Number: IPCMINVAR Date Approved: 17-12-1996 Effective Date: 1-1-1997 Status: Superseded By Variation
BF	216m NE	Operator: Conocophillips Petroleum Co UK Ltd Address: Greatham Tank Farm, Seal Sands, Middlesbrough, Cleveland, TS2 1UH Process: Petroleum Processes Permit Number: BD7880	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
BK	253m W	Operator: Vopak Terminal Teesside Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UA Process: The Storage Of Chemicals In Bulk Permit Number: AJ5533	Original Permit Number: IPCAIRAPP Date Approved: 1-10-1993 Effective Date: 1-10-1993 Status: Referred To La
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AD8911	Original Permit Number: IPCAPP Date Approved: 22-7-1992 Effective Date: 22-7-1992 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AK5644	Original Permit Number: IPCAIRAPP Date Approved: 25-3-1994 Effective Date: 30-3-1994 Status: Superseded By Variation
BN	286m S	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AK8899	Original Permit Number: IPCAIRAPP Date Approved: 24-3-1994 Effective Date: 30-3-1994 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AN8631	Original Permit Number: IPCMINVAR Date Approved: 2-8-1994 Effective Date: 3-8-1994 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Inorganic Chemical Processes Permit Number: AO0237	Original Permit Number: IPCAIRAPP Date Approved: 15-12-1994 Effective Date: 23-12-1994 Status: Superseded By Variation



ID	Location	Details	
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AO9927	Original Permit Number: IPCMINVAR Date Approved: 20-1-1995 Effective Date: 20-1-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AP6613	Original Permit Number: IPCMINVAR Date Approved: 18-4-1995 Effective Date: 18-4-1995 Status: Superseded By Variation
BN	286m S	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AP7334	Original Permit Number: IPCMINVAR Date Approved: 20-1-1995 Effective Date: 20-1-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AR0551	Original Permit Number: IPCMINVAR Date Approved: 28-7-1995 Effective Date: 2-8-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Inorganic Chemical Processes Permit Number: AS3919	Original Permit Number: IPCMINVAR Date Approved: 12-11-1995 Effective Date: 13-11-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AS5865	Original Permit Number: IPCMINVAR Date Approved: 11-9-1995 Effective Date: 15-9-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AT7863	Original Permit Number: IPCMINVAR Date Approved: 22-10-1995 Effective Date: 23-10-1995 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AU4550	Original Permit Number: IPCMINVAR Date Approved: 10-1-1996 Effective Date: 15-1-1996 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AU5572	Original Permit Number: IPCMINVAR Date Approved: 18-1-1996 Effective Date: 26-1-1996 Status: Superseded By Variation



ID	Location	Details	
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AU6706	Original Permit Number: IPCMINVAR Date Approved: 7-2-1996 Effective Date: 9-2-1996 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Inorganic Chemical Processes Permit Number: AV1122	Original Permit Number: IPCMINVAR Date Approved: 6-3-1996 Effective Date: 7-3-1996 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AV6094	Original Permit Number: IPCMINVAR Date Approved: 16-5-1996 Effective Date: 16-5-1996 Status: Superseded By Variation
BN	286m S	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AV7511	Original Permit Number: IPCMINVAR Date Approved: 23-8-1996 Effective Date: 23-8-1996 Status: Superseded By Variation
BN	286m S	Operator: Lundbeck Pharmaceuticals Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UB Process: Manufacture And Use Of Organic Chemicals Permit Number: AX6397	Original Permit Number: IPCMINVAR Date Approved: 21-2-1997 Effective Date: 28-2-1997 Status: Revoked
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: AZ2295	Original Permit Number: IPCMAJVAR Date Approved: 3-11-1997 Effective Date: 3-11-1997 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BA5180	Original Permit Number: IPCMINVAR Date Approved: 4-2-1998 Effective Date: 6-2-1998 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BA7964	Original Permit Number: IPCMINVAR Date Approved: 6-3-1998 Effective Date: 10-3-1998 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Inorganic Chemical Processes Permit Number: BB6238	Original Permit Number: IPCMINVAR Date Approved: 30-7-1998 Effective Date: 6-8-1998 Status: Superseded By Variation



ID	Location	Details	
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BC0812	Original Permit Number: IPCMINVAR Date Approved: 7-1-1999 Effective Date: 11-1-1999 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BC5156	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BE3723	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Inorganic Chemical Processes Permit Number: BE5505	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BF1840	Original Permit Number: IPCMINVAR Date Approved: 30-3-1999 Effective Date: 31-3-1999 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BH2464	Original Permit Number: IPCMINVAR Date Approved: 26-11-1999 Effective Date: 26-11-1999 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BI2559	Original Permit Number: IPCMINVAR Date Approved: 6-6-2000 Effective Date: 9-6-2000 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BK8494	Original Permit Number: IPCMINVAR Date Approved: 5-4-2001 Effective Date: 10-4-2001 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BR7437	Original Permit Number: IPCMINVAR Date Approved: 28-3-2002 Effective Date: 5-4-2002 Status: Superseded By Variation



ID	Location	Details	
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BT0901	Original Permit Number: IPCMINVAR Date Approved: 20-1-2003 Effective Date: 24-1-2003 Status: Superseded By Variation
BN	286m S	Operator: Dow Chemical Co Ltd Address: Seal Sands, Middlesbrough, Cleveland, TS2 1UD Process: Manufacture And Use Of Organic Chemicals Permit Number: BU9475	Original Permit Number: IPCMINVAR Date Approved: 21-5-2003 Effective Date: 22-5-2003 Status: Revoked - Now Ippc

This data is sourced from the Environment Agency and Natural Resources Wales.

## 4.10 Licensed industrial activities (Part A(1))

<b>Records within 500m</b>	<b>411</b>
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Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Details	
Q	On site	Operator: THOR COGENERATION LIMITED Installation Name: Seal Sands Power Plant Process: COMBUSTION; ANY FUEL =>50MW Permit Number: EP3339UK Original Permit Number: EP3339UK	EPR Reference: EPR/EP3339UK Issue Date: 27/01/2012 Effective Date: 27/01/2012 Last date noted as effective: 23/11/2023 Status: Surrendered
Q	On site	Operator: SEAL SANDS CHEMICALS LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU0311 Original Permit Number: BU0311	EPR Reference: - Issue Date: 28/11/2003 Effective Date: 28/11/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
Q	On site	Operator: SEAL SANDS CHEMICALS LTD Installation Name: - Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU0311 Original Permit Number: BU0311	EPR Reference: - Issue Date: 28/11/2003 Effective Date: 28/11/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



ID	Location	Details	
Q	On site	<b>Operator:</b> SEAL SANDS CHEMICALS LTD <b>Installation Name:</b> - <b>Process:</b> ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS <b>Permit Number:</b> BU0311 <b>Original Permit Number:</b> BU0311	<b>EPR Reference:</b> - <b>Issue Date:</b> 28/11/2003 <b>Effective Date:</b> 28/11/2003 <b>Last date noted as effective:</b> 01/10/2004 <b>Status:</b> SUPERSEDED BY PAS
Q	On site	<b>Operator:</b> SEAL SANDS CHEMICALS LTD <b>Installation Name:</b> - <b>Process:</b> ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES <b>Permit Number:</b> BU0311 <b>Original Permit Number:</b> BU0311	<b>EPR Reference:</b> - <b>Issue Date:</b> 28/11/2003 <b>Effective Date:</b> 28/11/2003 <b>Last date noted as effective:</b> 01/10/2004 <b>Status:</b> SUPERSEDED BY PAS
Q	On site	<b>Operator:</b> SEAL SANDS CHEMICALS LTD <b>Installation Name:</b> - <b>Process:</b> ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES <b>Permit Number:</b> BU0311 <b>Original Permit Number:</b> BU0311	<b>EPR Reference:</b> - <b>Issue Date:</b> 28/11/2003 <b>Effective Date:</b> 28/11/2003 <b>Last date noted as effective:</b> 01/10/2004 <b>Status:</b> SUPERSEDED BY PAS
Q	On site	<b>Operator:</b> Thor Cogeneration Ltd <b>Installation Name:</b> Seal Sands Power Plant <b>Process:</b> COMBUSTION; ANY FUEL =>50MW <b>Permit Number:</b> ZP3330CW <b>Original Permit Number:</b> EP3339UK	<b>EPR Reference:</b> - <b>Issue Date:</b> - <b>Effective Date:</b> 27/01/2012 <b>Last date noted as effective:</b> 21/03/2023 <b>Status:</b> Surrender Effective
Q	On site	<b>Operator:</b> Thor Cogeneration Ltd <b>Installation Name:</b> Seal Sands Power Plant <b>Process:</b> COMBUSTION; ANY FUEL =>50MW <b>Permit Number:</b> WP3538XG <b>Original Permit Number:</b> EP3339UK	<b>EPR Reference:</b> - <b>Issue Date:</b> 11/03/2008 <b>Effective Date:</b> 12/03/2008 <b>Last date noted as effective:</b> 21/03/2023 <b>Status:</b> Superseded
U	1m N	<b>Operator:</b> CONOCOPHILLIPS (U.K.) TEESIDE OPERATOR LIMITED <b>Installation Name:</b> Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN <b>Process:</b> THE INCINERATION OF HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 10 TONNES PER DAY <b>Permit Number:</b> QP3004PD <b>Original Permit Number:</b> QP3004PD	<b>EPR Reference:</b> EPR/QP3004PD <b>Issue Date:</b> 06/08/2019 <b>Effective Date:</b> 06/08/2019 <b>Last date noted as effective:</b> 23/11/2023 <b>Status:</b> Effective
U	1m N	<b>Operator:</b> CONOCOPHILLIPS (U.K.) TEESIDE OPERATOR LIMITED <b>Installation Name:</b> Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN <b>Process:</b> STABILISED CRUDE PETROLEUM <b>Permit Number:</b> QP3004PD <b>Original Permit Number:</b> QP3004PD	<b>EPR Reference:</b> EPR/QP3004PD <b>Issue Date:</b> 06/08/2019 <b>Effective Date:</b> 06/08/2019 <b>Last date noted as effective:</b> 23/11/2023 <b>Status:</b> Effective



ID	Location	Details	
U	1m N	Operator: CHRYSOOR PETROLEUM COMPANY UK LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: COMBUSTION; ANY FUEL =>50MW Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: EPR/NP3033LN Issue Date: 28/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 23/11/2023 Status: Superseded
U	1m N	Operator: CONOCOPHILLIPS (U.K.) TEESIDE OPERATOR LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: QP3004PD Original Permit Number: QP3004PD	EPR Reference: EPR/QP3004PD Issue Date: 06/08/2019 Effective Date: 06/08/2019 Last date noted as effective: 23/11/2023 Status: Effective
U	1m N	Operator: CONOCOPHILLIPS (U.K.) TEESIDE OPERATOR LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: QP3004PD Original Permit Number: QP3004PD	EPR Reference: EPR/QP3004PD Issue Date: 06/08/2019 Effective Date: 06/08/2019 Last date noted as effective: 23/11/2023 Status: Effective
U	1m N	Operator: CHRYSOOR PETROLEUM COMPANY UK LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: STABILISED CRUDE PETROLEUM Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: EPR/NP3033LN Issue Date: 28/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 23/11/2023 Status: Superseded
U	1m N	Operator: CHRYSOOR PETROLEUM COMPANY UK LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: THE INCINERATION OF HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 10 TONNES PER DAY Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: EPR/NP3033LN Issue Date: 28/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: CHRYSAOR PETROLEUM COMPANY UK LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: EPR/NP3033LN Issue Date: 28/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 23/11/2023 Status: Superseded
U	1m N	Operator: CHRYSAOR PETROLEUM COMPANY UK LIMITED Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: EPR/NP3033LN Issue Date: 28/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 23/11/2023 Status: Superseded
U	1m N	Operator: CONOCOPHILLIPS PETROLEUM COMPANY UK LTD Installation Name: TEESSIDE CRUDE OIL STABILISATION TERMINAL Process: ASSOCIATED PROCESS Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/12/2018 Status: DETERMINATION
U	1m N	Operator: CONOCOPHILLIPS PETROLEUM COMPANY UK LTD Installation Name: TEESSIDE CRUDE OIL STABILISATION TERMINAL Process: COMBUSTION; ANY FUEL =>50MW Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/12/2018 Status: DETERMINATION
U	1m N	Operator: CONOCOPHILLIPS PETROLEUM COMPANY UK LTD Installation Name: TEESSIDE CRUDE OIL STABILISATION TERMINAL Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/12/2018 Status: DETERMINATION





ID	Location	Details	
U	1m N	Operator: CONOCOPHILLIPS PETROLEUM COMPANY UK LTD Installation Name: TEESSIDE CRUDE OIL STABILISATION TERMINAL Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/12/2018 Status: DETERMINATION
U	1m N	Operator: CONOCOPHILLIPS PETROLEUM COMPANY UK LTD Installation Name: TEESSIDE CRUDE OIL STABILISATION TERMINAL Process: CREATED BY IED - DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 01/07/2013 Status: EFFECTIVE
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 01/05/2007 Effective Date: 01/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 01/05/2007 Effective Date: 01/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 01/05/2007 Effective Date: 01/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF ASSOCIATED GAS OR CONDENSATE Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF ASSOCIATED GAS OR CONDENSATE Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF ASSOCIATED GAS OR CONDENSATE Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 01/05/2007 Effective Date: 01/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: STABILISED CRUDE PETROLEUM Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: THE INCINERATION OF HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 10 TONNES PER DAY Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 26/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3734AZ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 24/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: BP3838RH Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: COMBUSTION; ANY FUEL =>50MW Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 26/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 26/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 26/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal - EPR/NP3033LN Process: STABILISED CRUDE PETROLEUM Permit Number: DP3237RJ Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 26/10/2018 Effective Date: 28/10/2018 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: ASSOCIATED PROCESS Permit Number: QP3732UN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 10/02/2011 Effective Date: 10/02/2011 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: NP3033LN Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 01/05/2007 Effective Date: 01/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF STABILISED CRUDE PETROLEUM Permit Number: GP3438NL Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	1m N	Operator: Conocophillips Petroleum Company UK Ltd Installation Name: Teesside Crude Oil Stabilisation Terminal Process: LOADING/STORAGE/TREATMENT ETC OF CRUDE OIL Permit Number: ZP3239XX Original Permit Number: NP3033LN	EPR Reference: - Issue Date: 20/12/2007 Effective Date: 20/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AG	51m SW	Operator: ARCH UK BIOCIDES LIMITED Installation Name: Seal Sands DTBA Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BU5097IB Original Permit Number: BU5097IB	EPR Reference: EPR/BU5097IB Issue Date: 12/02/2008 Effective Date: 12/02/2008 Last date noted as effective: 23/11/2023 Status: Surrendered



ID	Location	Details	
AG	51m SW	Operator: AVECIA LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU5097 Original Permit Number: BU5097	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
AG	51m SW	Operator: Arch UK Biocides Limited Installation Name: Seal Sands DTBA Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BP3039XS Original Permit Number: BU5097IB	EPR Reference: - Issue Date: - Effective Date: 12/02/2008 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AG	51m SW	Operator: Arch UK Biocides Limited Installation Name: Seal Sands DTBA Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU5097IB Original Permit Number: BU5097IB	EPR Reference: - Issue Date: 27/04/2004 Effective Date: 27/04/2004 Last date noted as effective: 21/03/2023 Status: Superseded
AG	51m SW	Operator: Arch UK Biocides Limited Installation Name: Seal Sands DTBA Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: JP3839SY Original Permit Number: BU5097IB	EPR Reference: - Issue Date: 30/12/2004 Effective Date: 31/12/2004 Last date noted as effective: 21/03/2023 Status: Superseded
W	51m SW	Operator: VIKING POWER LIMITED Installation Name: SEAL SANDS OCGT POWER STATION Process: COMBUSTION; ANY FUEL =>50MW Permit Number: FP3738LX Original Permit Number: FP3738LX	EPR Reference: EPR/FP3738LX Issue Date: 22/01/2008 Effective Date: 22/01/2008 Last date noted as effective: 23/11/2023 Status: Superseded
W	51m SW	Operator: Viking Power Ltd Installation Name: SEAL SANDS OCGT POWER STATION Process: COMBUSTION; ANY FUEL =>50MW Permit Number: GP3830XU Original Permit Number: FP3738LX	EPR Reference: - Issue Date: 24/01/2008 Effective Date: 22/01/2008 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: AUGEAN NORTH LIMITED Installation Name: Port Clarence Non-Hazardous Landfill Site - EPR/BV1402IC Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BV1402IC Original Permit Number: BV1402IC	EPR Reference: EPR/BV1402IC Issue Date: 29/12/2020 Effective Date: 29/12/2020 Last date noted as effective: 23/11/2023 Status: Effective





ID	Location	Details	
AO	78m W	Operator: ZERO WASTE LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV1402 Original Permit Number: BV1402	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
AO	78m W	Operator: ZERO WASTE LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV1399 Original Permit Number: BV1399	EPR Reference: - Issue Date: 27/02/2004 Effective Date: 27/02/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site - EPR/BV1402IC Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BP3531QZ Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 29/12/2020 Effective Date: 29/12/2020 Last date noted as effective: 21/03/2023 Status: Effective
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: EP3930CK Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 25/04/2012 Effective Date: 25/04/2012 Last date noted as effective: 21/03/2023 Status: Superceded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site EAEPRBV1402ICV006 Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: YP3331KS Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 17/03/2010 Effective Date: 17/03/2010 Last date noted as effective: 21/03/2023 Status: Superceded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site EAEPRBV1402ICV006 Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: YP3331KS Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 17/03/2010 Effective Date: 17/03/2010 Last date noted as effective: 21/03/2023 Status: Superceded



ID	Location	Details	
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site EPR/BV1402IC Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: XP3633DM Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 27/04/2016 Effective Date: 27/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site (Non Haz) Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: MP3738KC Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 24/09/2009 Effective Date: 24/09/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site (Non Haz) Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: MP3738KC Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 24/09/2009 Effective Date: 24/09/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site - EPR/BV1402IC Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BP3531QZ Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 29/12/2020 Effective Date: 29/12/2020 Last date noted as effective: 21/03/2023 Status: Effective
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site (Non Haz) Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: CP3532LF Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 29/05/2008 Effective Date: 29/05/2008 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site (Non Haz) Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: CP3532LF Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 29/05/2008 Effective Date: 29/05/2008 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Non-Hazardous Landfill Site Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: EP3930CK Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 25/04/2012 Effective Date: 25/04/2012 Last date noted as effective: 21/03/2023 Status: Superseded
AO	78m W	Operator: Augean North Limited Installation Name: Port Clarence Landfill Site EPR/BV1402IC Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: XP3633DM Original Permit Number: BV1402IC	EPR Reference: - Issue Date: 27/04/2016 Effective Date: 27/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded
AE	82m W	Operator: PX (TGPP) LIMITED Installation Name: Teesside Gas Processing Plant Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: NP3133LV Original Permit Number: NP3133LV	EPR Reference: EPR/NP3133LV Issue Date: 16/08/2023 Effective Date: 06/01/2020 Last date noted as effective: 23/11/2023 Status: Effective
AE	82m W	Operator: PX (TGPP) LIMITED Installation Name: Teesside Gas Processing Plant Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: NP3133LV Original Permit Number: NP3133LV	EPR Reference: EPR/NP3133LV Issue Date: 16/08/2023 Effective Date: 06/01/2020 Last date noted as effective: 23/11/2023 Status: Effective
AE	82m W	Operator: PX (TGPP) LIMITED Installation Name: Teesside Gas Processing Plant Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: NP3133LV Original Permit Number: NP3133LV	EPR Reference: EPR/NP3133LV Issue Date: 16/08/2023 Effective Date: 06/01/2020 Last date noted as effective: 23/11/2023 Status: Effective
AE	82m W	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: QP3409PN Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 06/01/2020 Effective Date: 06/01/2020 Last date noted as effective: 21/03/2023 Status: Effective
AE	82m W	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: QP3409PN Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 06/01/2020 Effective Date: 06/01/2020 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
AL	83m W	Operator: BP OIL UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: EP3333LF Original Permit Number: EP3333LF	EPR Reference: EPR/EP3333LF Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 23/11/2023 Status: Superseded
AL	83m W	Operator: BP OIL UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: EP3333LF Original Permit Number: EP3333LF	EPR Reference: EPR/EP3333LF Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 23/11/2023 Status: Superseded
AL	83m W	Operator: WOOD GROUP UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: SP3839RU Original Permit Number: SP3839RU	EPR Reference: EPR/SP3839RU Issue Date: 25/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 23/11/2023 Status: Effective
AL	83m W	Operator: WOOD GROUP UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3839RU Original Permit Number: SP3839RU	EPR Reference: EPR/SP3839RU Issue Date: 25/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 23/11/2023 Status: Effective
AL	83m W	Operator: WOOD GROUP UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: ASSOCIATED PROCESS Permit Number: SP3839RU Original Permit Number: SP3839RU	EPR Reference: EPR/SP3839RU Issue Date: 25/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 23/11/2023 Status: Effective
AL	83m W	Operator: WOOD GROUP UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: SP3839RU Original Permit Number: SP3839RU	EPR Reference: EPR/SP3839RU Issue Date: 25/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
AL	83m W	Operator: BP OIL UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: EP3333LF Original Permit Number: EP3333LF	EPR Reference: EPR/EP3333LF Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 23/11/2023 Status: Superseded
AL	83m W	Operator: BP OIL UK LIMITED Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: ASSOCIATED PROCESS Permit Number: EP3333LF Original Permit Number: EP3333LF	EPR Reference: EPR/EP3333LF Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 23/11/2023 Status: Superseded
AL	83m W	Operator: Wood Group UK Limited Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: ASSOCIATED PROCESS Permit Number: NP3931RH Original Permit Number: SP3839RU	EPR Reference: - Issue Date: 14/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 21/03/2023 Status: Effective
AL	83m W	Operator: Wood Group UK Limited Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: NP3931RH Original Permit Number: SP3839RU	EPR Reference: - Issue Date: 14/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 21/03/2023 Status: Effective
AL	83m W	Operator: BP EXPLORATION OPERATING CO LTD Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: ASSOCIATED PROCESS Permit Number: YP3038EM Original Permit Number: EP3333LF	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded
AL	83m W	Operator: BP EXPLORATION OPERATING CO LTD Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: YP3038EM Original Permit Number: EP3333LF	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AL	83m W	Operator: BP EXPLORATION OPERATING CO LTD Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: YP3038EM Original Permit Number: EP3333LF	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded
AL	83m W	Operator: BP EXPLORATION OPERATING CO LTD Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: EP3333LF Original Permit Number: EP3333LF	EPR Reference: - Issue Date: 20/06/2007 Effective Date: 20/06/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AL	83m W	Operator: BP EXPLORATION OPERATING CO LTD Installation Name: Seal Sands CATS Terminal EPR/EP3333LF Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: YP3038EM Original Permit Number: EP3333LF	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded
AL	83m W	Operator: Wood Group UK Limited Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: NP3931RH Original Permit Number: SP3839RU	EPR Reference: - Issue Date: 14/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 21/03/2023 Status: Effective
AL	83m W	Operator: Wood Group UK Limited Installation Name: Seal Sands CATS Terminal EPR/SP3839RU Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: NP3931RH Original Permit Number: SP3839RU	EPR Reference: - Issue Date: 14/08/2017 Effective Date: 25/08/2017 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
H	91m SW	Operator: LUNDBECK PHARMACEUTICALS LIMITED Installation Name: Seal Sands Pharmaceuticals Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: NP3234SL Original Permit Number: NP3234SL	EPR Reference: EPR/NP3234SL Issue Date: 13/05/2008 Effective Date: 13/05/2008 Last date noted as effective: 23/11/2023 Status: Superseded
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: KD PHARMA UK LIMITED Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: AP3834FZ Original Permit Number: AP3834FZ	EPR Reference: EPR/AP3834FZ Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
H	91m SW	Operator: Lundbeck Pharmaceuticals Ltd Installation Name: Seal Sands Pharmaceuticals Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: CP3335UJ Original Permit Number: NP3234SL	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective





ID	Location	Details	
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: TP3802BY Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 24/01/2020 Effective Date: 24/01/2020 Last date noted as effective: 21/03/2023 Status: Superseded
H	91m SW	Operator: Lundbeck Pharmaceuticals Ltd Installation Name: Seal Sands Pharmaceuticals Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: SP3734XQ Original Permit Number: NP3234SL	EPR Reference: - Issue Date: 13/05/2008 Effective Date: 13/05/2008 Last date noted as effective: 21/03/2023 Status: Superseded
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: KD Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: RP3302MD Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 29/05/2022 Effective Date: 29/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
H	91m SW	Operator: EPAX Pharma UK Limited Installation Name: Seal Sands Pharmaceuticals EPR/AP3834FZ Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: VP3732CB Original Permit Number: AP3834FZ	EPR Reference: - Issue Date: 03/09/2012 Effective Date: 03/09/2012 Last date noted as effective: 21/03/2023 Status: Superseded
AV	111m S	Operator: DOW CHEMICAL COMPANY LIMITED Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BV2719IH Original Permit Number: BV2719IH	EPR Reference: EPR/BV2719IH Issue Date: 14/11/2019 Effective Date: 14/11/2019 Last date noted as effective: 23/11/2023 Status: Surrendered
AV	111m S	Operator: DOW CHEMICAL COMPANY LIMITED Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BV2719IH Original Permit Number: BV2719IH	EPR Reference: EPR/BV2719IH Issue Date: 14/11/2019 Effective Date: 14/11/2019 Last date noted as effective: 23/11/2023 Status: Surrendered



ID	Location	Details	
AV	111m S	Operator: DOW CHEMICAL COMPANY LIMITED Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: INORGANIC CHEMICALS; USING HYDROGEN CYANIDE/SULPHIDE Permit Number: BV2719IH Original Permit Number: BV2719IH	EPR Reference: EPR/BV2719IH Issue Date: 14/11/2019 Effective Date: 14/11/2019 Last date noted as effective: 23/11/2023 Status: Surrendered
AV	111m S	Operator: DOW CHEMICAL COMPANY LIMITED Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: BV2719IH Original Permit Number: BV2719IH	EPR Reference: EPR/BV2719IH Issue Date: 14/11/2019 Effective Date: 14/11/2019 Last date noted as effective: 23/11/2023 Status: Surrendered
AV	111m S	Operator: Dow Chemical Company Limited Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: LP3703PL Original Permit Number: BV2719IH	EPR Reference: - Issue Date: - Effective Date: 14/11/2019 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AV	111m S	Operator: Dow Chemical Company Limited Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: LP3703PL Original Permit Number: BV2719IH	EPR Reference: - Issue Date: - Effective Date: 14/11/2019 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AV	111m S	Operator: Dow Chemical Company Ltd Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: INORGANIC CHEMICALS; USING HYDROGEN CYANIDE/SULPHIDE Permit Number: ZP3735MY Original Permit Number: BV2719IH	EPR Reference: - Issue Date: 12/10/2006 Effective Date: 07/10/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AV	111m S	Operator: Dow Chemical Company Ltd Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: ZP3735MY Original Permit Number: BV2719IH	EPR Reference: - Issue Date: 12/10/2006 Effective Date: 07/10/2006 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AV	111m S	Operator: Dow Chemical Company Limited Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: LP3703PL Original Permit Number: BV2719IH	EPR Reference: - Issue Date: - Effective Date: 14/11/2019 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AV	111m S	Operator: Dow Chemical Company Ltd Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: JP3138SU Original Permit Number: BV2719IH	EPR Reference: - Issue Date: 25/04/2005 Effective Date: 25/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
AV	111m S	Operator: Dow Chemical Company Ltd Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: ZP3735MY Original Permit Number: BV2719IH	EPR Reference: - Issue Date: 12/10/2006 Effective Date: 07/10/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AV	111m S	Operator: Dow Chemical Company Ltd Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3735MY Original Permit Number: BV2719IH	EPR Reference: - Issue Date: 12/10/2006 Effective Date: 07/10/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AV	111m S	Operator: Dow Chemical Company Limited Installation Name: Seal Sands Chelates & Fine Chemicals EPR/BV2719IH Process: INORGANIC CHEMICALS; USING HYDROGEN CYANIDE/SULPHIDE Permit Number: LP3703PL Original Permit Number: BV2719IH	EPR Reference: - Issue Date: - Effective Date: 14/11/2019 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AI	123m SE	Operator: HARVEST ENERGY LIMITED Installation Name: Harvest Energy Limited Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: VP3635TJ Original Permit Number: VP3635TJ	EPR Reference: EPR/VP3635TJ Issue Date: 02/09/2014 Effective Date: 02/09/2014 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
AI	123m SE	Operator: HARVEST ENERGY LIMITED Installation Name: Harvest Energy Limited Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: VP3635TJ Original Permit Number: VP3635TJ	EPR Reference: EPR/VP3635TJ Issue Date: 02/09/2014 Effective Date: 02/09/2014 Last date noted as effective: 23/11/2023 Status: Superseded
AI	123m SE	Operator: BIOFUELS CORPORATION TRADING LIMITED Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU1601IC Original Permit Number: BU1601IC	EPR Reference: EPR/BU1601IC Issue Date: 03/12/2009 Effective Date: 03/12/2009 Last date noted as effective: 23/11/2023 Status: Superseded
AI	123m SE	Operator: GREENERGY BIOFUELS TEESSIDE LIMITED Installation Name: Seal Sands Terminal (South Site) - EPR/EP3334AS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3334AS Original Permit Number: EP3334AS	EPR Reference: EPR/EP3334AS Issue Date: 11/05/2022 Effective Date: 11/05/2022 Last date noted as effective: 23/11/2023 Status: Effective
AI	123m SE	Operator: BIOFUELS CORPORATION TRADING LIMITED Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU1601IC Original Permit Number: BU1601IC	EPR Reference: EPR/BU1601IC Issue Date: 03/12/2009 Effective Date: 03/12/2009 Last date noted as effective: 23/11/2023 Status: Superseded
AI	123m SE	Operator: BIOFUELS CORPORATION TRADING LIMITED Installation Name: SEAL SANDS BIODIESEL/GLYCERINE PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BP3437GZ Original Permit Number: BU1601IC	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 06/01/2010 Status: DETERMINATION
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel/Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3131GN Original Permit Number: BU1601IC	EPR Reference: EA/EPR/BU1601IC/V003 Issue Date: 20/03/2009 Effective Date: 20/03/2009 Last date noted as effective: 21/03/2023 Status: Superceded



ID	Location	Details	
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3434XS Original Permit Number: BU1601IC	EPR Reference: - Issue Date: 14/03/2008 Effective Date: 14/03/2008 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel/Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3131GN Original Permit Number: BU1601IC	EPR Reference: EA/EPR/BU1601IC/V003 Issue Date: 20/03/2009 Effective Date: 20/03/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3431KP Original Permit Number: BU1601IC	EPR Reference: - Issue Date: 03/12/2009 Effective Date: 03/12/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3835HR Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 21/09/2010 Effective Date: 21/09/2010 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Greenery Biofuels Teesside Limited Installation Name: Greenery Biofuels Teesside - EPR/EP3334AS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: HP3138QB Original Permit Number: EP3334AS	EPR Reference: - Issue Date: 30/11/2021 Effective Date: 30/11/2021 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3434XS Original Permit Number: BU1601IC	EPR Reference: - Issue Date: 14/03/2008 Effective Date: 14/03/2008 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AI	123m SE	Operator: Biofuels Corporation Trading Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3431KP Original Permit Number: BU1601IC	EPR Reference: - Issue Date: 03/12/2009 Effective Date: 03/12/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Greenergy Biofuels Teesside Limited Installation Name: Seal Sands Terminal (South Site) - EPR/EP3334AS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: JP3406MJ Original Permit Number: EP3334AS	EPR Reference: - Issue Date: 11/05/2022 Effective Date: 11/05/2022 Last date noted as effective: 21/03/2023 Status: Effective
AI	123m SE	Operator: Greenergy Biofuels Teesside Limited Installation Name: Greenergy Biofuels Teesside - EPR/EP3334AS Process: DISPOSAL OF NON-HAZARDOUS WASTE IN A FACILITY WITH A CAPACITY OF MORE THAN 50 TONNES PER DAY BY PHYSICO -CHEMICAL TREATMENT. Permit Number: HP3138QB Original Permit Number: EP3334AS	EPR Reference: - Issue Date: 30/11/2021 Effective Date: 30/11/2021 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Greenergy Biofuels Teesside Limited Installation Name: Seal Sands Terminal (South Site) EPR/EP3334AS/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: KP3232DU Original Permit Number: EP3334AS	EPR Reference: - Issue Date: 27/02/2017 Effective Date: 27/02/2017 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Greenergy Biofuels Teesside Limited Installation Name: Seal Sands Terminal (South Site) EPR/EP3334AS/T001 Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3701PL Original Permit Number: EP3334AS	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 21/03/2023 Status: Determination
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3835HR Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 21/09/2010 Effective Date: 21/09/2010 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3734CF Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 07/06/2012 Effective Date: 07/06/2012 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Seal Sands Biodiesel / Glycerine Plant Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3734CF Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 07/06/2012 Effective Date: 07/06/2012 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Harvest Energy Limited Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: RP3032VS Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 02/09/2014 Effective Date: 02/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
AI	123m SE	Operator: Harvest Energy Limited Installation Name: Harvest Energy Limited Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: RP3032VS Original Permit Number: VP3635TJ	EPR Reference: - Issue Date: 02/09/2014 Effective Date: 02/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective





ID	Location	Details	
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LIMITED Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: EPR/ZP3438CF Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded
J	141m S	Operator: LAPORTE INDUSTRIES LIMITED Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BV5971IG Original Permit Number: BV5971IG	EPR Reference: EPR/BV5971IG Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ORGANICS LIMITED Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ASSOCIATED PROCESS Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: EPR/PP3439GG Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 23/11/2023 Status: Effective
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LTD Installation Name: FINE ENVIRONMENTAL SERVICES LTD Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 01/07/2014 Status: EFFECTIVE
J	141m S	Operator: FINE ENVIRONMENTAL SERVICES LTD Installation Name: FINE ENVIRONMENTAL SERVICES LTD Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: ZP3438CF Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 01/07/2014 Status: SUPERCEDED



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 24/10/2008 Effective Date: 24/10/2008 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective





ID	Location	Details	
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: PP3439GG Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 24/10/2008 Effective Date: 24/10/2008 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ASSOCIATED PROCESS Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Environmental Services Ltd Installation Name: Fine Environmental Services - Seal Sands EPR/ZP3438CF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: RP3938ZC Original Permit Number: ZP3438CF	EPR Reference: - Issue Date: 24/04/2013 Effective Date: 24/04/2013 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: CP3038NE Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ASSOCIATED PROCESS Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ASSOCIATED PROCESS Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded





ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: AP3236MC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 21/05/2007 Effective Date: 21/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: EP3832SS Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 13/07/2005 Effective Date: 01/08/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: GP3738SN Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 28/02/2005 Effective Date: 28/02/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Laporte Industries Limited Installation Name: DEGUSSA FINE ORGANICS Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: XP3930LC Original Permit Number: BV5971IG	EPR Reference: - Issue Date: 14/12/2005 Effective Date: 14/12/2005 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: TP3735JC Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 17/04/2018 Effective Date: 17/04/2018 Last date noted as effective: 21/03/2023 Status: Effective
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: ZP3138CU Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 13/12/2012 Effective Date: 13/12/2012 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Fine Organics Limited Installation Name: Fine Organics Seal Sands Facility EPR/PP3439GG Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: ZP3530WW Original Permit Number: PP3439GG	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
J	141m S	Operator: Victrex Manufacturing Limited Installation Name: BDF PLANT, SEAL SANDS Process: ORGANIC CHEMICALS: USE OF >5T OF DIPHENYL MDI/OTHER DI-ISOCYANATE/PARTLY POLYMERISED DI-ISOCYANATES/PREPOLYMERS CONTAINING >5T OF THESE MONOMERS IN ANY 12MTH PERIOD RELEASE TO AIR OF DI-ISOCYANATE Permit Number: NP3339MT Original Permit Number: NP3339MT	EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 21/03/2023 Status: Superseded
T	142m E	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
T	142m E	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: HP3100SK Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
T	142m E	Operator: Vertellus Specialities UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: AP3803BM Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
BG	261m S	Operator: PX (TGPP) LIMITED Installation Name: Teesside Gas Processing Plant Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: NP3133LV Original Permit Number: NP3133LV	EPR Reference: EPR/NP3133LV Issue Date: 16/08/2023 Effective Date: 06/01/2020 Last date noted as effective: 23/11/2023 Status: Effective
BG	261m S	Operator: PX (TGPP) LIMITED Installation Name: Teesside Gas Processing Plant Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: NP3133LV Original Permit Number: NP3133LV	EPR Reference: EPR/NP3133LV Issue Date: 16/08/2023 Effective Date: 06/01/2020 Last date noted as effective: 23/11/2023 Status: Effective
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: HP3731RP Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 23/03/2018 Effective Date: 23/03/2018 Last date noted as effective: 21/03/2023 Status: Superseded
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: HP3731RP Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 23/03/2018 Effective Date: 23/03/2018 Last date noted as effective: 21/03/2023 Status: Superseded
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: BP3932UL Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 04/06/2007 Effective Date: 04/06/2007 Last date noted as effective: 21/03/2023 Status: Superseded





ID	Location	Details	
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: NP3530RP Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 15/12/2015 Effective Date: 15/12/2015 Last date noted as effective: 21/03/2023 Status: Superseded
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS Permit Number: CP3438FE Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 15/08/2012 Effective Date: 15/08/2012 Last date noted as effective: 21/03/2023 Status: Superseded
BG	261m S	Operator: PX (TGPP) Ltd Installation Name: Teesside Gas Processing Plant EPR/NP3133LV Process: COMBUSTION; ANY FUEL =>20MW BUT 50MW (UNLESS 1.1 A(1) B) Permit Number: NP3530RP Original Permit Number: NP3133LV	EPR Reference: - Issue Date: 15/12/2015 Effective Date: 15/12/2015 Last date noted as effective: 21/03/2023 Status: Superseded
BM	268m E	Operator: VICTREX MANUFACTURING LIMITED Installation Name: Seal Sands BDF Manufacturing EPR/NP3339MT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: NP3339MT Original Permit Number: NP3339MT	EPR Reference: EPR/NP3339MT Issue Date: 18/10/2013 Effective Date: 18/10/2013 Last date noted as effective: 23/11/2023 Status: Effective
BM	268m E	Operator: VICTREX MANUFACTURING LIMITED Installation Name: SEAL SANDS BDF MANUFACTURING FACILITY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3438GE Original Permit Number: NP3339MT	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 06/01/2010 Status: DETERMINATION
BM	268m E	Operator: Victrex Manufacturing Limited Installation Name: Seal Sands BDF Manufacturing EPR/NP3339MT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3032NQ Original Permit Number: NP3339MT	EPR Reference: - Issue Date: 18/10/2013 Effective Date: 18/10/2013 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
BM	268m E	Operator: Victrex Manufacturing Limited Installation Name: Seal Sands BDF Manufacturing Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3936UZ Original Permit Number: NP3339MT	EPR Reference: - Issue Date: 28/09/2007 Effective Date: 27/09/2007 Last date noted as effective: 21/03/2023 Status: Superseded
BN	286m S	Operator: DOW CHEMICAL CO LTD Installation Name: - Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BV2719 Original Permit Number: BV2719	EPR Reference: - Issue Date: 21/04/2004 Effective Date: 21/04/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BG	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BU2527IB Original Permit Number: BU2527IB	EPR Reference: EPR/BU2527IB Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 23/11/2023 Status: Superseded
BG	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU2527IB Original Permit Number: BU2527IB	EPR Reference: EPR/BU2527IB Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 23/11/2023 Status: Superseded
BG	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS BASF Process: INCINERATION OF HAZARDOUS WASTE Permit Number: BU2527IB Original Permit Number: BU2527IB	EPR Reference: EPR/BU2527IB Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 23/11/2023 Status: Superseded
BG	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS BASF Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: BU2527IB Original Permit Number: BU2527IB	EPR Reference: EPR/BU2527IB Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 23/11/2023 Status: Superseded
BG	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU2527IB Original Permit Number: BU2527IB	EPR Reference: EPR/BU2527IB Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 23/11/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: QP3232SS Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 03/11/2005 Effective Date: 03/11/2005 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: KP3739BL Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: KP3739BL Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INCINERATION OF HAZARDOUS WASTE Permit Number: KP3739BL Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: KP3739BL Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INCINERATION OF HAZARDOUS WASTE Permit Number: QP3232SS Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 03/11/2005 Effective Date: 03/11/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: QP3232SS Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 03/11/2005 Effective Date: 03/11/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: KP3739BL Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: QP3232SS Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 03/11/2005 Effective Date: 03/11/2005 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BG	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: QP3232SS Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 03/11/2005 Effective Date: 03/11/2005 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: INEOS NITRILES (UK) LIMITED Installation Name: SEAL SANDS ACH PLANT Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3835GT Original Permit Number: RP3835GT	EPR Reference: EPR/RP3835GT Issue Date: 19/12/2008 Effective Date: 19/12/2008 Last date noted as effective: 23/11/2023 Status: Superseded
AY	291m S	Operator: INEOS NITRILES (UK) LIMITED Installation Name: Seal Sands Acrylonitrile Production EPR/FP3435GZ Process: INCINERATION OF HAZARDOUS WASTE Permit Number: FP3435GZ Original Permit Number: FP3435GZ	EPR Reference: EPR/FP3435GZ Issue Date: 09/03/2021 Effective Date: 09/03/2021 Last date noted as effective: 23/11/2023 Status: Effective
AY	291m S	Operator: INEOS NITRILES (UK) LIMITED Installation Name: Seal Sands Acrylonitrile Production EPR/FP3435GZ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: FP3435GZ Original Permit Number: FP3435GZ	EPR Reference: EPR/FP3435GZ Issue Date: 09/03/2021 Effective Date: 09/03/2021 Last date noted as effective: 23/11/2023 Status: Effective
AY	291m S	Operator: INEOS NITRILES (UK) LIMITED Installation Name: Seal Sands Acrylonitrile Production EPR/FP3435GZ Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: FP3435GZ Original Permit Number: FP3435GZ	EPR Reference: EPR/FP3435GZ Issue Date: 09/03/2021 Effective Date: 09/03/2021 Last date noted as effective: 23/11/2023 Status: Effective
AY	291m S	Operator: BASF PUBLIC LIMITED COMPANY Installation Name: SEAL SANDS ACH PLANT Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BJ8146IB Original Permit Number: BJ8146IB	EPR Reference: EPR/BJ8146IB Issue Date: 03/01/2002 Effective Date: 03/01/2002 Last date noted as effective: 23/11/2023 Status: Superseded
AY	291m S	Operator: RWE COGEN UK LIMITED Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BV2867IZ Original Permit Number: BV2867IZ	EPR Reference: EPR/BV2867IZ Issue Date: 05/07/2007 Effective Date: 05/07/2007 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
AY	291m S	Operator: RWE COGEN UK LIMITED Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BV2867IZ Original Permit Number: BV2867IZ	EPR Reference: EPR/BV2867IZ Issue Date: 05/07/2007 Effective Date: 05/07/2007 Last date noted as effective: 23/11/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: GP3739XY Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: GP3739XY Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: INEOS Nitriles (UK) Ltd Installation Name: Seal Sands Acrylonitrile Production EPR/FP3435GZ Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: FP3435GZ Original Permit Number: FP3435GZ	EPR Reference: EA/EPR/FP3435GZ/V002 Issue Date: 19/12/2008 Effective Date: 19/12/2008 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: INEOS Nitriles (UK) Ltd Installation Name: Seal Sands Acrylonitrile Production EPR/FP3435GZ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: FP3435GZ Original Permit Number: FP3435GZ	EPR Reference: EA/EPR/FP3435GZ/V002 Issue Date: 19/12/2008 Effective Date: 19/12/2008 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: Npower Cogen Limited Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: KP3239BW Original Permit Number: BV2867IZ	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: GP3739XY Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3739XY Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: YP3639LB Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 26/05/2006 Effective Date: 26/05/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INCINERATION OF HAZARDOUS WASTE Permit Number: YP3639LB Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 26/05/2006 Effective Date: 26/05/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: YP3639LB Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 26/05/2006 Effective Date: 26/05/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: INCINERATION OF HAZARDOUS WASTE Permit Number: GP3739XY Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 17/12/2007 Effective Date: 17/12/2007 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: Npower Cogen Limited Installation Name: SEAL SANDS BASF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: KP3239BW Original Permit Number: BV2867IZ	EPR Reference: - Issue Date: 05/11/2004 Effective Date: 05/11/2004 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: YP3639LB Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 26/05/2006 Effective Date: 26/05/2006 Last date noted as effective: 21/03/2023 Status: Superseded
AY	291m S	Operator: BASF Public Limited Company Installation Name: SEAL SANDS BASF Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: YP3639LB Original Permit Number: BU2527IB	EPR Reference: - Issue Date: 26/05/2006 Effective Date: 26/05/2006 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BP	404m NE	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective
BP	404m NE	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective
BP	404m NE	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective
BP	404m NE	Operator: Aurorium UK Limited Installation Name: Vertellus Specialities UK Limited EPR/BU0311IX Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: EPR/BU0311IX Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Effective
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BP3237PA Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 23/07/2004 Effective Date: 31/07/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BP3237PA Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 23/07/2004 Effective Date: 31/07/2004 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BP3237PA Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 23/07/2004 Effective Date: 31/07/2004 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands - EPR/BU0311IX Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: FP3036TD Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 25/08/2010 Effective Date: 25/08/2010 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: ZP3932SB Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 05/05/2005 Effective Date: 30/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3932SB Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 05/05/2005 Effective Date: 30/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: ZP3932SB Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 05/05/2005 Effective Date: 30/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: ZP3932SB Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 05/05/2005 Effective Date: 30/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BP3237PA Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 23/07/2004 Effective Date: 31/07/2004 Last date noted as effective: 21/03/2023 Status: Superseded





ID	Location	Details	
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: QP3635QN Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 11/04/2019 Effective Date: 11/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: ZP3932SB Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 05/05/2005 Effective Date: 30/04/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: QP3635QN Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 11/04/2019 Effective Date: 11/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: QP3635QN Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 11/04/2019 Effective Date: 11/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: QP3635QN Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 11/04/2019 Effective Date: 11/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: QP3635QN Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 11/04/2019 Effective Date: 11/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BP3237PA Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 23/07/2004 Effective Date: 31/07/2004 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BU0311IX Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 28/11/2003 Effective Date: 28/11/2003 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands - EPR/BU0311IX Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: FP3036TD Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 25/08/2010 Effective Date: 25/08/2010 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands - EPR/BU0311IX Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: FP3036TD Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 25/08/2010 Effective Date: 25/08/2010 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands - EPR/BU0311IX Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: FP3036TD Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 25/08/2010 Effective Date: 25/08/2010 Last date noted as effective: 21/03/2023 Status: Superseded
BP	404m NE	Operator: Vertellus Specialities UK Ltd Installation Name: Seal Sands - EPR/BU0311IX Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: FP3036TD Original Permit Number: BU0311IX	EPR Reference: - Issue Date: 25/08/2010 Effective Date: 25/08/2010 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: Aurorium UK Limited Installation Name: Seal Sands Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: VP3809PL Original Permit Number: VP3809PL	EPR Reference: EPR/VP3809PL Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 23/11/2023 Status: Superseded
BU	479m N	Operator: SHANKS CHEMICAL SERVICES LIMITED Installation Name: SEAL SANDS SPECIALITY ORGANICS Process: ASSOCIATED PROCESS Permit Number: BU5364IJ Original Permit Number: BU5364IJ	EPR Reference: EPR/BU5364IJ Issue Date: 30/05/2005 Effective Date: 30/05/2005 Last date noted as effective: 23/11/2023 Status: Superseded



ID	Location	Details	
BU	479m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: Seal Sands EPR/WP3030DT Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: WP3030DT Original Permit Number: WP3030DT	EPR Reference: EPR/WP3030DT Issue Date: 22/07/2016 Effective Date: 22/07/2016 Last date noted as effective: 23/11/2023 Status: Superseded
BU	479m N	Operator: VEOLIA WATER INDUSTRIAL OUTSOURCING LIMITED Installation Name: Seal Sands EPR/EP3139CH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: EP3139CH Original Permit Number: EP3139CH	EPR Reference: EPR/EP3139CH Issue Date: 14/10/2014 Effective Date: 14/10/2014 Last date noted as effective: 23/11/2023 Status: Superseded
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



ID	Location	Details	
BU	479m N	Operator: SHANKS CHEMICAL SERVICES LTD Installation Name: - Process: ASSOCIATED PROCESS Permit Number: BU5364 Original Permit Number: BU5364	EPR Reference: - Issue Date: 27/11/2003 Effective Date: 28/11/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: WASTE INCINERATION; ANY SPECIFIED WASTE CHEMICALS (BROMINE..ZINC) Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: LAPORTE INDUSTRIES LTD Installation Name: - Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BV5971 Original Permit Number: BV5971	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
BU	479m N	Operator: Veolia Water Industrial Outsourcing Limited Installation Name: Seal Sands EPR/EP3139CH Process: ASSOCIATED PROCESS Permit Number: FP3235CU Original Permit Number: EP3139CH	EPR Reference: - Issue Date: 04/02/2012 Effective Date: 04/02/2012 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
BU	479m N	Operator: Veolia Water Industrial Outsourcing Limited Installation Name: Seal Sands EPR/EP3139CH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: PP3635WR Original Permit Number: EP3139CH	EPR Reference: - Issue Date: 14/10/2014 Effective Date: 14/10/2014 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: Veolia Water Industrial Outsourcing Limited Installation Name: Seal Sands EPR/EP3139CH Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: FP3235CU Original Permit Number: EP3139CH	EPR Reference: - Issue Date: 04/02/2012 Effective Date: 04/02/2012 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: Shanks Chemical Services Ltd Installation Name: SEAL SANDS SPECIALITY ORGANICS Process: ASSOCIATED PROCESS Permit Number: EP3930BG Original Permit Number: BU5364IJ	EPR Reference: - Issue Date: 27/05/2005 Effective Date: 30/05/2005 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: Veolia Water Industrial Outsourcing Limited Installation Name: Seal Sands EPR/EP3139CH Process: ASSOCIATED PROCESS Permit Number: EP3139CH Original Permit Number: EP3139CH	EPR Reference: - Issue Date: 02/02/2012 Effective Date: 02/02/2012 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: Veolia Water Industrial Outsourcing Limited Installation Name: Seal Sands EPR/EP3139CH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: CP3538EV Original Permit Number: EP3139CH	EPR Reference: - Issue Date: 26/11/2013 Effective Date: 26/11/2013 Last date noted as effective: 21/03/2023 Status: Superseded
BU	479m N	Operator: VERTELLUS SPECIALTIES UK LIMITED Installation Name: Seal Sands Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: QP3909BH Original Permit Number: VP3809PL	EPR Reference: - Issue Date: 17/06/2020 Effective Date: 17/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.11 Licensed pollutant release (Part A(2)/B)

**Records within 500m**
**6**

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 97](#) >

ID	Location	Address	Details	
P	On site	Tees Storage Company Ltd, Seal Sands, TS2 1UA	<b>Process: Chemical &amp; Acid Processes</b> <b>Status: Historical Permit</b> <b>Permit Type: Part B</b>	<b>Enforcement: No Enforcements Notified</b> <b>Date of enforcement: No Enforcements Notified</b> <b>Comment: No Enforcements Notified</b>
A	13m SE	Vopak Terminal Teesside Ltd, Seal Sands Road, Seal Sands, Stockton-On-Tees, TS2 1UB	Process: Chemical & Acid Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	43m NE	Simon Storage Ltd, Seal Sands Road, Seal Sands, Stockton-On-Tees, TS2 1UB	Process: Unloading of Petrol into Storage at Terminals Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
AD	68m SE	Vopak Terminal Teesside Ltd, Seal Sands Road, Port Clarence, Middlesbrough, TS2 1UA	Process: Unloading of Petrol into Storage at Terminals Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	106m S	Inter Terminals Seal Sands Ltd, Seal Sands Road, Seal Sands, Stockton-On-Tees, TS2 1UB	Process: Chemical & Acid Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
69	298m SE	Cleveland Potash Limited, Teesdock Terminal, Grangetown, Middlesbrough, TS13 4UZ	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

*This data is sourced from Local Authority records.*



## 4.12 Radioactive Substance Authorisations

**Records within 500m**
**8**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on [page 97](#) >

ID	Location	Address	Details	
Z	41m S	CATS Terminal, Seal Sands Road, Seal Sands, Middlesbrough, TS2 1UB	Operator: BP Exploration Operating Co Ltd Type: - Permission number: JB3839DS Date of approval: -	Effective from: - Last date of update: 01/01/2020 Status: Transferred
AQ	91m SW	Imperial Chemical Industries Plc, Imperial Chemical Industries Plc, North Tees Works, Seaton Road, Port Clarence, Middlesbrough, Cleveland, TS2 1TT	Operator: Imperial Chemical Industries Plc Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ8753 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled
AQ	91m SW	Imperial Chemical Industries Plc, North Tees Works Package Boilers, Port Clarence, Middlesbrough, Cleveland, TS2 1TT	Operator: Imperial Chemical Industries Plc Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ8761 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled
AR	92m SW	Conocophillips Petroleum Co Uk Ltd, Teeside Operations, Seal Sands, Middlesbrough, Cleveland, TS2 1VH	Operator: Conocophillips Petroleum Co Uk Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC1547 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled
AZ	153m W	CATS Terminal, Seal Sands, Middlesbrough, TS2 1BU	Operator: Wood Group PSN Limited Type: - Permission number: ZB3098DX Date of approval: -	Effective from: 01/04/2018 Last date of update: 01/01/2020 Status: Issued
AZ	153m W	Bp Exploration Operating Co Ltd, Bp Cats Terminal, Seal Sands Road, Middlesbrough, Cleveland, TS2 1UB	Operator: Bp Exploration Operating Co Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: CD5873 Date of approval: 16/09/2009	Effective from: 16/09/2009 Last date of update: 01/01/2015 Status: Effective



ID	Location	Address	Details	
AF	176m E	Seal Sands, Middlesbrough, TS2 1UB	Operator: Inter Terminals Seal Sands Limited Type: - Permission number: PB3735DJ Date of approval: -	Effective from: 01/04/2018 Last date of update: 01/01/2020 Status: Issued
BF	207m NE	Teesside Operations, Seal Sands, Middlesbrough, TS2 1UH	Operator: Conocophillips Petroleum Co UK Limited Type: - Permission number: KP3490SS Date of approval: -	Effective from: - Last date of update: 01/01/2020 Status: Surrendered

This data is sourced from the Environment Agency and Natural Resources Wales.

### 4.13 Licensed Discharges to controlled waters

<b>Records within 500m</b>	<b>144</b>
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Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Address	Details	
13	On site	SEAL SANDS CHEMICAL COMPANY LTD, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0921 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 20/04/1989 Effective Date: 20/04/1989 Revocation Date: 26/07/1994
14	On site	FINE ORGANICS LTD, MIDDLESBROUGH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/0231 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 13/12/1985 Effective Date: 13/12/1985 Revocation Date: 06/08/2004
R	On site	SHANKS & MCEWAN, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/1530 Permit Version: 2 Receiving Water: THE RIVER TEES	Status: REVOKED - UNSPECIFIED Issue date: 24/04/1998 Effective Date: 01/02/2000 Revocation Date: 03/08/2004
R	On site	SHANKS & MCEWAN, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/1530 Permit Version: 1 Receiving Water: THE RIVER TEES	Status: REVOKED - UNSPECIFIED Issue date: 24/04/1998 Effective Date: 24/04/1998 Revocation Date: 31/01/2000





ID	Location	Address	Details	
R	On site	FINE ORGANICS LTD, TEESSIDE SITE, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0289 Permit Version: 2 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 25/05/1989 Effective Date: 25/05/1989 Revocation Date: 11/01/1994
R	On site	SHANKS & MCEWAN, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/1530 Permit Version: 1 Receiving Water: THE RIVER TEES	Status: REVOKED - UNSPECIFIED Issue date: 24/04/1998 Effective Date: 24/04/1998 Revocation Date: 31/01/2000
R	On site	FINE ORGANICS LTD, TEESSIDE SITE, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0289 Permit Version: 2 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 25/05/1989 Effective Date: 25/05/1989 Revocation Date: 11/01/1994
R	On site	SHANKS & MCEWAN, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/1530 Permit Version: 2 Receiving Water: THE RIVER TEES	Status: REVOKED - UNSPECIFIED Issue date: 24/04/1998 Effective Date: 01/02/2000 Revocation Date: 03/08/2004
24	37m SE	SEAL SANDS STORAGE LTD, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0316 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 30/01/1985 Effective Date: 30/01/1985 Revocation Date: 26/07/1994
AA	41m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1731 Permit Version: 1 Receiving Water: GROUNDWATER IN TEES ESTUARY	Status: CONSENTS WITHOUT APPLICATION (WRA 91, SCHED 10) Issue date: 15/01/2003 Effective Date: 15/01/2003 Revocation Date: 25/10/2012
AA	41m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1731 Permit Version: 2 Receiving Water: GROUNDWATER	Status: REVOKED - UNSPECIFIED Issue date: 26/10/2012 Effective Date: 26/10/2012 Revocation Date: 08/05/2015
AF	48m E	FINE ORGANICS LTD, TEESSIDE SITE, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0289 Permit Version: 1 Receiving Water: TEES	Status: TRANSFERRED FROM COPA 1974 Issue date: 08/01/1987 Effective Date: 08/01/1987 Revocation Date: 24/05/1989



ID	Location	Address	Details	
AF	48m E	FINE ORGANICS LTD, TEESSIDE SITE, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0289 Permit Version: 1 Receiving Water: TEES	Status: TRANSFERRED FROM COPA 1974 Issue date: 08/01/1987 Effective Date: 08/01/1987 Revocation Date: 24/05/1989
AH	51m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1730 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 15/01/2003 Effective Date: 15/01/2003 Revocation Date: 08/05/2015
AH	51m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 25/04/1730 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 15/01/2003 Effective Date: 15/01/2003 Revocation Date: 08/05/2015
AK	64m W	PACKAGE TREATMENT PLANT WITH DISCHA, CATS TERMINAL, SEAL SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/1432 Permit Version: 1 Receiving Water: LAND	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 11/09/1995 Effective Date: 11/09/1995 Revocation Date: 25/07/2012
AK	64m W	PACKAGE TREATMENT PLANT WITH DISCHA, CATS TERMINAL, SEAL SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/1432 Permit Version: 2 Receiving Water: LAND	Status: SURRENDERED UNDER EPR 2010 Issue date: 26/07/2012 Effective Date: 26/07/2012 Revocation Date: 27/08/2015
N	90m SW	FACTORY AT SEAL SANDS, HARTLEPOOL, TEESSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0182 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: REVOKED - UNSPECIFIED Issue date: 05/10/1973 Effective Date: 05/10/1973 Revocation Date: 13/10/1975
N	90m SW	FACTORY AT SEAL SANDS, HARTLEPOOL, TEESSIDE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: 254/B/0143 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: REVOKED - UNSPECIFIED Issue date: 27/11/1970 Effective Date: 27/11/1970 Revocation Date: 01/04/1972



ID	Location	Address	Details	
N	90m SW	FACTORY AT SEAL SANDS, HARTLEPOOL, TEESSIDE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0142 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: REVOKED - UNSPECIFIED Issue date: 27/11/1970 Effective Date: 27/11/1970 Revocation Date: 01/04/1972
N	90m SW	FACTORY AT SEAL SANDS, HARTLEPOOL, TEESSIDE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0182 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: REVOKED - UNSPECIFIED Issue date: 05/10/1973 Effective Date: 05/10/1973 Revocation Date: 13/10/1975
AS	97m E	DTBA LTD - SEAL SANDS SITE, SEAL SANDS, MIDDLESBROUGH, CLEVELAND	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0459 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 30/03/1988 Effective Date: 30/03/1988 Revocation Date: 25/05/1994
AS	97m E	DTBA LTD - SEAL SANDS SITE, SEAL SANDS, MIDDLESBROUGH, CLEVELAND	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1156 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 02/12/1992 Effective Date: 02/12/1992 Revocation Date: 23/06/1994
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 3 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/04/2001 Revocation Date: 31/05/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 254/1468 Permit Version: 1 Receiving Water: DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 14/04/1997 Effective Date: 01/07/1998 Revocation Date: 31/12/1999
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 254/1468 Permit Version: 2 Receiving Water: DABHOLM GUT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 14/04/1997 Effective Date: 01/01/2000 Revocation Date: 25/08/2000



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 254/1468 Permit Version: 1 Receiving Water: DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 14/04/1997 Effective Date: 01/07/1998 Revocation Date: 31/12/1999
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 3 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/04/2001 Revocation Date: 31/05/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 30/12/1998 Revocation Date: 13/04/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000





ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 3 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/04/2001 Revocation Date: 31/05/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 254/1468 Permit Version: 2 Receiving Water: DABHOLM GUT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 14/04/1997 Effective Date: 01/01/2000 Revocation Date: 25/08/2000
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 14/04/2000 Revocation Date: 25/08/2000
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 30/12/1998 Revocation Date: 13/04/2000



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 3 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/04/2001 Revocation Date: 31/05/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 3 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/04/2001 Revocation Date: 31/05/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 14/04/2000 Revocation Date: 25/08/2000



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 6 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 08/03/2002 Revocation Date: 11/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 30/12/1998 Revocation Date: 13/04/2000
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: QR.25/04/1553 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 14/04/2000 Revocation Date: 25/08/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: QR.25/04/1553 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 30/12/1998 Revocation Date: 13/04/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/01/2001 Revocation Date: 24/04/2001
G	119m W	BRAN SANDS TREATMENT PLANT, BRAN SANDS	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: QR.25/04/1553 Permit Version: 2 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/12/1998 Effective Date: 14/04/2000 Revocation Date: 25/08/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 1 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 25/08/2000 Revocation Date: 31/12/2000
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 7 Receiving Water: THE DABHOLM GUT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 12/03/2002 Revocation Date: 07/07/2002



ID	Location	Address	Details	
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 5 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 20/02/2002 Revocation Date: 07/03/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 4 Receiving Water: THE DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/08/2000 Effective Date: 01/06/2001 Revocation Date: 19/02/2002
G	119m W	BRAN SANDS TREATMENT WORKS, WILTON, REDCAR & CLEVELAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 25/04/1630 Permit Version: 8 Receiving Water: THE DABHOLM GUT	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/07/2002 Effective Date: 08/07/2002 Revocation Date: 20/08/2002
AZ	131m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1744 Permit Version: 1 Receiving Water: GROUND IN TEES ESTUARY CATCHMT	Status: CONSENTS WITHOUT APPLICATION (WRA 91, SCHED 10) Issue date: 15/01/2003 Effective Date: 15/01/2003 Revocation Date: 25/07/2012



ID	Location	Address	Details	
AZ	131m W	MOBAC BUILDING, CATS TERMINAL, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1744 Permit Version: 2 Receiving Water: GROUND IN TEES ESTUARY CATCHMT	Status: REVOKED - UNSPECIFIED Issue date: 26/07/2012 Effective Date: 26/07/2012 Revocation Date: 08/05/2015
AU	134m SE	TEES STORAGE CO LTD, SEAL SANDS INS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0658 Permit Version: 3 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 02/08/1993 Effective Date: 01/07/1993 Revocation Date: 09/05/1994
AU	134m SE	TEES STORAGE CO LTD, SEAL SANDS INS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0658 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 12/09/1988 Effective Date: 12/09/1988 Revocation Date: 30/05/1991
AU	134m SE	TEES STORAGE CO LTD, SEAL SANDS INS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0658 Permit Version: 2 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 31/05/1991 Effective Date: 31/05/1991 Revocation Date: 30/06/1993
50	147m SE	CONTAINER BERTH AT TEES DOCK, GRANGETOWN	Effluent Type: TRADE DISCHARGES - ABANDONED Permit Number: 254/B/0140 Permit Version: 1 Receiving Water: TEES	Status: CONSENT REVOKED - DISCHARGE CEASED (WRA 91, SCHED 10 & 6) Issue date: 06/11/1970 Effective Date: 06/11/1970 Revocation Date: 01/07/1991
BA	153m SE	TEES STORAGE COMPANY LTD, SEAL SAND, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0394 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 19/08/1987 Effective Date: 19/08/1987 Revocation Date: 28/04/1994
BA	153m SE	TEES STORAGE COMPANY LTD, SEAL SAND, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0141 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 27/11/1970 Effective Date: 27/11/1970 Revocation Date: 18/08/1987
AU	154m SE	TEES STORAGE COMPANY LTD, SEAL SAND, MIDDLESBOROUGH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/0653 Permit Version: 1 Receiving Water: TEES	Status: TRANSFERRED FROM COPA 1974 Issue date: 02/09/1988 Effective Date: 02/09/1988 Revocation Date: -





ID	Location	Address	Details	
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1365 Permit Version: 4 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/04/1994 Effective Date: 12/03/1998 Revocation Date: 31/08/1999
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1365 Permit Version: 5 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/04/1994 Effective Date: 01/09/1999 Revocation Date: 14/02/2000
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1365 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/04/1994 Effective Date: 28/04/1994 Revocation Date: 31/03/1996
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1365 Permit Version: 2 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/04/1994 Effective Date: 01/04/1996 Revocation Date: 31/03/1997
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1597 Permit Version: 1 Receiving Water: THE RIVER TEES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 14/02/2000 Effective Date: 14/02/2000 Revocation Date: 31/03/2003
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1365 Permit Version: 3 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/04/1994 Effective Date: 01/04/1997 Revocation Date: 11/03/1998
BA	161m SE	VOPAK, HARTLEPOOL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 25/04/1597 Permit Version: 2 Receiving Water: THE RIVER TEES	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/07/2002 Effective Date: 01/04/2003 Revocation Date: 09/05/2003



ID	Location	Address	Details	
BC	167m SE	VINYL CHLORIDE HANDLING & STORAGE F, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 254/0987 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 22/08/1990 Effective Date: 22/08/1990 Revocation Date: 04/09/1992
BC	167m SE	VINYL CHLORIDE HANDLING & STORAGE F, SEAL SANDS, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 254/1141 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 04/09/1992 Effective Date: 04/09/1992 Revocation Date: -
BL	259m NW	TEESSIDE OIL FACILITY, GREATHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0297 Permit Version: 1 Receiving Water: GREATHAM CREEK	Status: REVOKED - UNSPECIFIED Issue date: 27/06/1983 Effective Date: 27/06/1983 Revocation Date: 10/05/1993
BL	259m NW	TEESSIDE OIL FACILITY, GREATHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0197 Permit Version: 1 Receiving Water: GREATHAM CREEK	Status: REVOKED - UNSPECIFIED Issue date: 29/11/1974 Effective Date: 29/11/1974 Revocation Date: 26/06/1983
BO	277m E	SEAL SANDS STORAGE LIMITED, SEAL SANDS TERMINAL, SEAL SANDS ROAD, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 25/04/1754 Permit Version: 1 Receiving Water: RIVER TEES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/12/2004 Effective Date: 20/12/2004 Revocation Date: 30/11/2005
BO	277m E	SEAL SANDS STORAGE LIMITED, SEAL SANDS TERMINAL, SEAL SANDS ROAD, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 25/04/1754 Permit Version: 2 Receiving Water: RIVER TEES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/12/2004 Effective Date: 01/12/2005 Revocation Date: 28/08/2007
BO	277m E	SEAL SANDS STORAGE LIMITED, SEAL SANDS TERMINAL, SEAL SANDS ROAD, SEAL SANDS, MIDDLESBROUGH, TS2 1UB	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 254/1955 Permit Version: 1 Receiving Water: RIVER TEES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/08/2007 Effective Date: 29/08/2007 Revocation Date: -
BJ	280m S	ACRYLONITRILE PLANT, SEAL SANDS, TEESSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0117 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 30/05/1969 Effective Date: 30/05/1969 Revocation Date: 30/08/1990



ID	Location	Address	Details	
BJ	280m S	ACRYLONITRILE PLANT, SEAL SANDS, TEESSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0118 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 30/05/1969 Effective Date: 30/05/1969 Revocation Date: 30/08/1990
BJ	280m S	ACRYLONITRILE PLANT, SEAL SANDS, TEESSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0119 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 30/05/1969 Effective Date: 30/05/1969 Revocation Date: 30/08/1990
68	284m E	AMOCO-CATS PROJECT, TEES TUNNEL, IC, MIDDLESBROUGH	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: 254/1106 Permit Version: 1 Receiving Water: TEES (SALINE)	Status: REVOKED - UNSPECIFIED Issue date: 18/10/1991 Effective Date: 18/10/1991 Revocation Date: 30/09/1992
70	318m W	SETTLING LAGOON SEABANKS FIELD, WEST CHANNEL, SEAL SANDS, REDCAR & CLEVELAND	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/E/0381 Permit Version: 1 Receiving Water: NORTH SEA	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 28/09/1962 Effective Date: 28/09/1962 Revocation Date: -
BQ	414m SE	GRACE, W R LIMITED, SEAL SANDS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0135 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 29/05/1970 Effective Date: 29/05/1970 Revocation Date: 31/10/1990
BQ	414m SE	GRACE, W R LIMITED, SEAL SANDS	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0134 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 29/05/1970 Effective Date: 29/05/1970 Revocation Date: 30/09/1996
76	421m NE	PHILLIPS PETROLEUM CO (UK) LTD, SEAL SANDS	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: 254/B/0298 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 27/06/1983 Effective Date: 27/06/1983 Revocation Date: 16/07/1985
BR	439m NE	PHILLIPS PETROLEUM CO (UK) LTD, SEAL, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0159 Permit Version: 3 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 21/12/1989 Effective Date: 01/01/1991 Revocation Date: 08/04/1993



ID	Location	Address	Details	
BR	439m NE	PHILLIPS PETROLEUM CO (UK) LTD,SEAL, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0159 Permit Version: 1 Receiving Water: TEES	Status: TRANSFERRED FROM COPA 1974 Issue date: 17/07/1985 Effective Date: 17/07/1985 Revocation Date: 20/12/1989
BR	439m NE	PHILLIPS PETROLEUM CO (UK) LTD,SEAL, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0159 Permit Version: 2 Receiving Water: TEES	Status: REVISED CONSENT, BY NOTICE (SECTION 37(1)) Issue date: 21/12/1989 Effective Date: 21/12/1989 Revocation Date: 31/12/1990
BR	439m NE	PHILLIPS PETROLEUM CO (UK) LTD,SEAL, MIDDLESBROUGH	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: 254/B/0198 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 29/11/1974 Effective Date: 29/11/1974 Revocation Date: 26/06/1983
BR	439m NE	PHILLIPS PETROLEUM CO (UK) LTD,SEAL, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0159 Permit Version: 2 Receiving Water: TEES	Status: REVISED CONSENT, BY NOTICE (SECTION 37(1)) Issue date: 21/12/1989 Effective Date: 21/12/1989 Revocation Date: 31/12/1990
BT	456m E	THE AMENITY BLOCK, THE RIVERSIDE RORO TERMINAL, BOULBY ROAD, TEESPORT, MIDDLESBROUGH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: QC.25/04/1579 Permit Version: 1 Receiving Water: LAND IN THE TEES CATCHMENT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/04/1999 Effective Date: 28/04/1999 Revocation Date: 25/07/2012
BT	456m E	THE AMENITY BLOCK, THE RIVERSIDE RORO TERMINAL, BOULBY ROAD, TEESPORT, MIDDLESBROUGH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: QC.25/04/1579 Permit Version: 2 Receiving Water: LAND IN THE TEES CATCHMENT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/07/2012 Effective Date: 26/07/2012 Revocation Date: -
79	459m E	RECLAMATION OF BRAN SANDS, BRAN SANDS, TEESIDE, STOCKTON ON TEES	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0122 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 25/06/1969 Effective Date: 25/06/1969 Revocation Date: 30/09/1996



ID	Location	Address	Details	
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - WATER COMPANY Permit Number: 254/B/0085 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 21/07/1967 Effective Date: 21/07/1967 Revocation Date: 29/05/1969
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0184 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 02/11/1973 Effective Date: 02/11/1973 Revocation Date: 26/11/1978
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/0433 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 23/02/1987 Effective Date: 23/02/1987 Revocation Date: 22/12/1992
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0244 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 27/11/1978 Effective Date: 27/11/1978 Revocation Date: 10/05/1983
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0085 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 21/07/1967 Effective Date: 21/07/1967 Revocation Date: 29/05/1969
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0291 Permit Version: 1 Receiving Water: TEES	Status: REVOKED - UNSPECIFIED Issue date: 11/05/1983 Effective Date: 11/05/1983 Revocation Date: 22/02/1987
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1199 Permit Version: 2 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/12/1992 Effective Date: 01/01/1995 Revocation Date: 09/02/1995
BV	489m SE	SEAL SANDS, BILLINGHAM-ON-SEA, MIDDLESBROUGH	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/1199 Permit Version: 1 Receiving Water: TEES ESTUARY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/12/1992 Effective Date: 22/12/1992 Revocation Date: 31/12/1994



This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m

1

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Address	Details	
R	On site	SHANKS & MCEWAN (SOUTHERN WASTE), SEAL SANDS CHEMICALS LTD, MIDDLESBROUGH	Permit Number: 254/1530 Permit Version: 1 Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Discharge Type: Basic Ind. Chemicals Organic	Effluent Type: UNSPECIFIED Catchment: - Approval Date: 24/04/1998

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.16 List 1 Dangerous Substances

Records within 500m

8

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
Q	On site	Seal Sands Chemicals Ltd, Ts2 1ub	Not Active	Tees Estuary, River Tees	Mercury (other), Cadmium
Q	On site	Laporte Industries Ltd Middlesborough Ts2 1ub	Active	Tees Estuary, River Tees	Mercury (other), Cadmium, Chloroform, 1,2-dichloroethane
R	On site	Shanks And Mcewan	Not Active	Tees Estuary, River Tees	Mercury (other), Cadmium, 1,2-dichloroethane, Trichlorobenzene



ID	Location	Name	Status	Receiving Water	Authorised Substances
AG	51m SW	Arch Uk Biocides Ltd Seal Sands Ts2 1yj	Not Active	Any, River Tees	Mercury (other)
G	120m W	Bran Sands Stw	Not Active	River Tees	-
A	240m SE	Basf Plc, Seal Sands	Not Active	Tees Estuary, River Tees	Mercury (other), Cadmium, Carbon tetrachloride, Chloroform, Perchlorethylene
BK	254m W	Lundbeck Pharmaceuticals Ltd, Middlesborough	Active	Tees Estuary, River Tees	-
BN	287m S	Dow Chemical Co Ltd Middlesborough Ts2 1ud	Active	River Tees, Any	Mercury (other)

This data is sourced from the Environment Agency and Natural Resources Wales.

## 4.17 List 2 Dangerous Substances

Records within 500m

11

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
Q	On site	Shanks Chemical Services Limited	Not Active	-	Chromium, Copper, Lead, Nickel, Zinc
Q	On site	Shanks Chemicals Services Ltd	Active	-	Benzene, Toluene, Xylene
Q	On site	Lundbeck Pharmaceuticals,ts2 1ub	Active	River Tees	Toluene
R	On site	Shanks And Mcewan At Seal Sands Chemicals	Not Active	North Sea	Benzene, Toluene
BA	154m SE	Tees Storage Co Seal Sands	Not Active	River Tees	Cyanide, Xylene
BK	254m W	Dow Chemical Company Ltd, Ts2 1ud	Not Active	North Sea	Cyanide
BK	254m W	Dow Chemical Company Ltd,ts2 1ud	Active	North Sea	Cyanide
BO	278m E	Seal Sands Storage Limited	Active	None	pH
BN	287m S	Seal Sands Chelates And Fine Chemicals Ts2 1ud	Active	North Sea	Cyanide
72	332m W	Fine Organics, Seal Sands	Not Active	River Tees	Cyanide



ID	Location	Name	Status	Receiving Water	Authorised Substances
BU	479m N	Shanks Chemical Services Middlesborough Ts2 1ub	Active	River Tees	Benzene, Toluene, Xylene

This data is sourced from the Environment Agency and Natural Resources Wales.

## 4.18 Pollution Incidents (EA/NRW)

<b>Records within 500m</b>	<b>14</b>
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Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID	Location	Details	
15	On site	<b>Incident Date: 26/07/2001</b> <b>Incident Identification: 19243</b> <b>Pollutant: Other Pollutant</b> <b>Pollutant Description: Other</b>	<b>Water Impact: Category 3 (Minor)</b> <b>Land Impact: Category 4 (No Impact)</b> <b>Air Impact: Category 4 (No Impact)</b>
Q	On site	<b>Incident Date: 05/09/2003</b> <b>Incident Identification: 187681</b> <b>Pollutant: Atmospheric Pollutants and Effects</b> <b>Pollutant Description: Other Atmospheric Pollutant or Effect</b>	<b>Water Impact: Category 4 (No Impact)</b> <b>Land Impact: Category 4 (No Impact)</b> <b>Air Impact: Category 3 (Minor)</b>
S	On site	<b>Incident Date: 08/09/2003</b> <b>Incident Identification: 188412</b> <b>Pollutant: Inorganic Chemicals/Products</b> <b>Pollutant Description: Acids</b>	<b>Water Impact: Category 4 (No Impact)</b> <b>Land Impact: Category 4 (No Impact)</b> <b>Air Impact: Category 4 (No Impact)</b>
21	33m NW	Incident Date: 16/07/2001 Incident Identification: 16731 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
34	70m W	Incident Date: 15/07/2003 Incident Identification: 173831 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Ammonia/Amine Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	73m SE	Incident Date: 14/11/2001 Incident Identification: 42764 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)





ID	Location	Details	
A	73m SE	Incident Date: 14/11/2001 Incident Identification: 42764 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
AF	116m E	Incident Date: 21/03/2002 Incident Identification: 65730 Pollutant: Contaminated Water:Organic Chemicals/Products Pollutant Description: Firefighting Run-Off:Hydrocarbons	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
AF	116m E	Incident Date: 21/03/2002 Incident Identification: 65730 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
AF	116m E	Incident Date: 21/03/2002 Incident Identification: 65730 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	129m S	Incident Date: 09/10/2001 Incident Identification: 35436 Pollutant: Inorganic Chemicals/Products Pollutant Description: Ammonia Solutions	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
BI	232m E	Incident Date: 25/05/2003 Incident Identification: 160665 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
65	252m SE	Incident Date: 03/07/2002 Incident Identification: 89072 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
73	345m SE	Incident Date: 18/08/2003 Incident Identification: 182963 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.19 Pollution inventory substances

**Records within 500m**
**40**

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 97 >](#)

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Benzene	10kg	1810kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	1259000kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Xylene - all isomers	10kg	704kg



ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teeside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Tetrachloroethylene (PER)	1kg	50kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teeside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	358000kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teeside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Zinc	100kg	1726kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teeside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	293749000kg



ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Total organic carbon (TOC)	50000kg	274950kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nickel	20kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Benzene	1000kg	4200kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Ethyl benzene	10kg	77kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	103000kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Toluene	10kg	1264kg

ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teesside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mercury	0.1kg	5.07kg

ID: AO, Location: 79m W, Permit: BV1402IC  
 Operator: Augean North Limited  
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE  
 Address: Port Clarence Non-Hazardous Landfill Site Off Huntsman Drive Cleveland TS2 1UE  
 Sector: Landfill, Sub-sector: Non Hazardous Landfill  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	126000kg

ID: AO, Location: 79m W, Permit: BV1402IC  
 Operator: Augean North Limited  
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE  
 Address: Port Clarence Non-Hazardous Landfill Site Off Huntsman Drive Cleveland TS2 1UE  
 Sector: Landfill, Sub-sector: Non Hazardous Landfill  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold
Air	Hydrogen cyanide	100kg	Below Reporting Threshold
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Butadiene (1,3-Butadiene)	100kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold

**ID:** AO, Location: 79m W, Permit: BV1402IC  
**Operator:** Augean North Limited  
**Activity:** WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE  
**Address:** Port Clarence Non-Hazardous Landfill Site Off Huntsman Drive Cleveland TS2 1UE  
**Sector** Landfill, Sub-sector: Non Hazardous Landfill  
**Releases:**

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorofluorocarbons (CFCs)	1kg	6.44kg

**ID:** AO, Location: 79m W, Permit: BV1402IC  
**Operator:** Augean North Limited  
**Activity:** WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE  
**Address:** Port Clarence Non-Hazardous Landfill Site Off Huntsman Drive Cleveland TS2 1UE  
**Sector** Landfill, Sub-sector: Non Hazardous Landfill  
**Releases:**

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	6.57kg



ID: AE, Location: 82m W, Permit: NP3133LV  
 Operator: PX (TGPP) Ltd  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: P X TGPP) Limited Teesside Gas Processing Plant Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	54002kg

ID: AE, Location: 82m W, Permit: NP3133LV  
 Operator: PX (TGPP) Ltd  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: P X TGPP) Limited Teesside Gas Processing Plant Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	51400kg

ID: AE, Location: 82m W, Permit: NP3133LV  
 Operator: PX (TGPP) Ltd  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: P X TGPP) Limited Teesside Gas Processing Plant Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold





ID: AE, Location: 82m W, Permit: NP3133LV  
 Operator: PX (TGPP) Ltd  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: P X TGPP) Limited Teesside Gas Processing Plant Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	37024000kg

ID: AL, Location: 84m W, Permit: SP3839RU  
 Operator: Wood Group PSN Limited  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: Seal Sands CATS Terminal Seal Sands Road Seal Sands TS2 1UB  
 Sector Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	Below Reporting Threshold

ID: AL, Location: 84m W, Permit: SP3839RU  
 Operator: Wood Group PSN Limited  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: Seal Sands CATS Terminal Seal Sands Road Seal Sands TS2 1UB  
 Sector Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	351000kg

ID: AL, Location: 84m W, Permit: SP3839RU  
 Operator: Wood Group PSN Limited  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: Seal Sands CATS Terminal Seal Sands Road Seal Sands TS2 1UB  
 Sector Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	50800kg

ID: AL, Location: 84m W, Permit: SP3839RU  
 Operator: Wood Group PSN Limited  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: Seal Sands CATS Terminal Seal Sands Road Seal Sands TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	21164000kg

ID: AI, Location: 124m SE, Permit: EP3334AS  
 Operator: Greenergy Biofuels Teesside Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Terminal (South Site) Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	23700000kg

ID: AI, Location: 124m SE, Permit: EP3334AS  
 Operator: Greenergy Biofuels Teesside Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Terminal (South Site) Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Controlled Waters	Total organic carbon (TOC)	50000kg	Below Reporting Threshold



ID: J, Location: 141m S, Permit: PP3439GG  
 Operator: Fine Organics Limited  
 Activity: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
 Address: Fine Organics Seal Sands Facility Seal Sands Road Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold

ID: J, Location: 141m S, Permit: ZP3438CF  
 Operator: Fine Environmental Services Ltd  
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.  
 Address: High Temperature Incinerator Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: EfW, Sub-sector: EfW  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Fluorides - as F	2000kg	32436kg

ID: J, Location: 141m S, Permit: ZP3438CF  
 Operator: Fine Environmental Services Ltd  
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.  
 Address: High Temperature Incinerator Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: EfW, Sub-sector: EfW  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Arsenic	1kg	Below Reporting Threshold
Air	Cadmium	1kg	Below Reporting Threshold
Air	Chromium	10kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold
Air	Nickel	10kg	Below Reporting Threshold
Air	Zinc	100kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	Below Reporting Threshold

**ID:** J, Location: 141m S, Permit: ZP3438CF  
**Operator:** Fine Environmental Services Ltd  
**Activity:** THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.  
**Address:** High Temperature Incinerator Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
**Sector:** EfW, Sub-sector: EfW  
**Releases:**

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	19749906kg

**ID:** J, Location: 141m S, Permit: PP3439GG  
**Operator:** Fine Organics Limited  
**Activity:** ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
**Address:** Fine Organics Seal Sands Facility Seal Sands Road Cleveland TS2 1UB  
**Sector:** Chemicals, Sub-sector: Chemicals  
**Releases:**

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	1623kg

**ID:** T, Location: 142m E, Permit: BU0311IX  
**Operator:** Vertellus Specialities UK Limited  
**Activity:** ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
**Address:** Seal Sands Road Seal Sands Cleveland TS2 1UB  
**Sector:** Chemicals, Sub-sector: Chemicals  
**Releases:**

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Toluene	10kg	4200kg



ID: T, Location: 142m E, Permit: BU0311IX  
 Operator: Vertellus Specialities UK Limited  
 Activity: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
 Address: Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold

ID: T, Location: 142m E, Permit: BU0311IX  
 Operator: Vertellus Specialities UK Limited  
 Activity: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
 Address: Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	41120kg

ID: T, Location: 142m E, Permit: BU0311IX  
 Operator: Vertellus Specialities UK Limited  
 Activity: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
 Address: Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Benzene	10kg	23.04kg

ID: BM, Location: 269m E, Permit: NP3339MT  
 Operator: Victrex Manufacturing Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Bdf Manufacturing Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals



## Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	47995kg

ID: BM, Location: 269m E, Permit: NP3339MT  
 Operator: Victrex Manufacturing Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Bdf Manufacturing Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Wastewater	Fluorides - as F	2000kg	Below Reporting Threshold

ID: BM, Location: 269m E, Permit: NP3339MT  
 Operator: Victrex Manufacturing Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Bdf Manufacturing Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nitrogen - as total N	50000kg	250087kg

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.20 Pollution inventory waste transfers

Records within 500m

7

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 97 >](#)



ID: U, Location: 2m N, Permit: QP3004PD  
 Operator: Conocophillips (U.K.) Teeside Operator Limited  
 Activity: Stabilised crude petroleum  
 Address: Teeside Crude Oil Stabilisation Terminal Seal Sands Cleveland TS2 1UH  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.8	absolute value	02 05 02	sludges from on-site effluent treatment	No
R5	Recycling/reclamation of other inorganic materials	3.7	absolute value	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	No
R5	Recycling/reclamation of other inorganic materials	13.32	absolute value	17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	No
R5	Recycling/reclamation of other inorganic materials	6.2	absolute value	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	No
R4	Recycling/reclamation of metals and metal compounds	44.72	absolute value	17 02 01	wood	No
R4	Recycling/reclamation of metals and metal compounds	545.6	absolute value	17 04 07	mixed metals	No
R4	Recycling/reclamation of metals and metal compounds	7.78	absolute value	17 01 01	concrete	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.18	absolute value	15 01 04	metallic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	11.82	absolute value	17 01 02	bricks	No





Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1681.54	absolute value	20 03 04	septic tank sludge	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	29.57	absolute value	20 01 01	paper and cardboard	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.04	absolute value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.55	absolute value	20 01 10	clothes	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.8	absolute value	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.75	absolute value	11 01 14	degreasing wastes other than those mentioned in 11 01 13	No
R1	Use principally as a fuel or other means to generate energy	0.68	absolute value	11 01 14	degreasing wastes other than those mentioned in 11 01 13	No
D1	Deposit into or onto land (eg landfill, etc.)	123.34	absolute value	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
D1	Deposit into or onto land (eg landfill, etc.)	28.8	absolute value	20 03 01	mixed municipal waste	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.05	absolute value	16 03 06	organic wastes other than those mentioned in 16 03 05	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.53	absolute value	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	No
R5	Recycling/reclamation of other inorganic materials	3.66	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	119.04	absolute value	17 05 05	dredging spoil containing dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	10.99	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10.96	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.56	absolute value	05 01 09	sludges from on-site effluent treatment containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.48	absolute value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
R1	Use principally as a fuel or other means to generate energy	0.012	absolute value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
R1	Use principally as a fuel or other means to generate energy	1.5	absolute value	11 01 13	degreasing wastes containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	105.94	absolute value	12 01 16	waste blasting material containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	2.24	absolute value	16 07 08	wastes containing oil	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	3.2	absolute value	17 06 01	insulation materials containing asbestos	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.8	absolute value	17 05 03	soil and stones containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.27	absolute value	17 06 03	other insulation materials consisting of or containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	absolute value	13 01 10	mineral based non-chlorinated hydraulic oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	absolute value	16 06 02	Ni-Cd batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	absolute value	13 02 08	other engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	absolute value	13 01 13	other hydraulic oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.02	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.6	absolute value	13 07 03	other fuels (including mixtures)	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	30.56	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	34.63	absolute value	05 01 06	oily sludges from maintenance operations of the plant or equipment	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	27.4	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.1	absolute value	20 01 23	discarded equipment containing chlorofluorocarbons	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	7.1	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.7	absolute value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.3	absolute value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.48	absolute value	12 01 16	waste blasting material containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.6	absolute value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes

ID: AE, Location: 82m W, Permit: NP3133LV  
 Operator: PX (TGPP) Ltd  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: P X TGPP) Limited Teeside Gas Processing Plant Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	15	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R4	Recycling/reclamation of metals and metal compounds	14.4	absolute value	20 01 40	metals	No
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	13.98	absolute value	20 03 01	mixed municipal waste	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	234.1	absolute value	20 03 04	septic tank sludge	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.46	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.5	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.05	absolute value	13 02 06	synthetic engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.82	absolute value	13 03 08	synthetic insulating and heat transmission oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.45	absolute value	13 05 06	oil from oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.88	absolute value	13 07 03	other fuels (including mixtures)	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.47	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.5	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.35	absolute value	16 01 14	antifreeze fluids containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.5	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	23.45	absolute value	16 07 09	wastes containing other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	24.8	absolute value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	1.2	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes

ID: AL, Location: 84m W, Permit: SP3839RU  
 Operator: Wood Group PSN Limited  
 Activity: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS  
 Address: Seal Sands CATS Terminal Seal Sands Road Seal Sands TS2 1UB  
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	7.89	absolute value	20 03 01	mixed municipal waste	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	4.67	absolute value	12 01 17	waste blasting material other than those mentioned in 12 01 16	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.66	absolute value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.01	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
R4	Recycling/reclamation of metals and metal compounds	0.01	absolute value	16 06 04	alkaline batteries (except 16 06 03)	No
R4	Recycling/reclamation of metals and metal compounds	6.08	absolute value	20 01 40	metals	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	2.76	absolute value	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.26	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	43.78	absolute value	20 03 04	septic tank sludge	No
R8	Recovery of components from catalysts	115.4	absolute value	05 07 01	wastes containing mercury	Yes
R1	Use principally as a fuel or other means to generate energy	0.43	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	9.14	absolute value	13 02 08	other engine, gear and lubricating oils	Yes
R1	Use principally as a fuel or other means to generate energy	0.03	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	1.07	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes





Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.37	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	3.06	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	485.9	absolute value	14 06 03	other solvents and solvent mixtures	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.05	absolute value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.01	absolute value	16 06 01	lead batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	0.01	absolute value	16 06 02	Ni-Cd batteries	Yes
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	0.99	absolute value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	0.16	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R2	Solvent reclamation/regeneration	2.83	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes

**ID:** AI, Location: 124m SE, Permit: EP3334AS  
**Operator:** Greenergy Biofuels Teesside Limited  
**Activity:** ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
**Address:** Seal Sands Terminal (South Site) Seal Sands Cleveland TS2 1UB  
**Sector:** Chemicals, Sub-sector: Chemicals  
**Releases:**

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	9241.31	absolute value	02 03 04	materials unsuitable for consumption or processing	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.34	absolute value	15 01 02	plastic packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	51.89	absolute value	15 01 03	wooden packaging	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	brt	15 01 07	glass packaging	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.2	absolute value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.56	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R4	Recycling/reclamation of metals and metal compounds	-	brt	17 04 05	iron and steel	No
R4	Recycling/reclamation of metals and metal compounds	-	brt	17 04 07	mixed metals	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	20 01 25	edible oil and fat	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
D1	Deposit into or onto land (eg landfill, etc.)	-	brt	20 01 39	plastics	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	34.35	absolute value	20 03 01	mixed municipal waste	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	brt	20 03 01	mixed municipal waste	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	638.46	absolute value	20 03 04	septic tank sludge	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6.57	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.87	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.15	absolute value	16 09 04	oxidising substances, not otherwise specified	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.14	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes

**ID:** J, Location: 141m S, Permit: PP3439GG  
**Operator:** Fine Organics Limited  
**Activity:** ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
**Address:** Fine Organics Seal Sands Facility Seal Sands Road Cleveland TS2 1UB  
**Sector:** Chemicals, Sub-sector: Chemicals  
**Releases:**

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	10	absolute value	15 01 01	paper and cardboard packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	10	absolute value	15 01 01	paper and cardboard packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	23	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
R4	Recycling/reclamation of metals and metal compounds	49	absolute value	20 01 40	metals	No
R5	Recycling/reclamation of other inorganic materials	210	absolute value	20 03 01	mixed municipal waste	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	133	absolute value	06 01 01	sulphuric acid and sulphurous acid	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	64	absolute value	06 02 04	sodium and potassium hydroxide	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	5	absolute value	07 04 01	aqueous washing liquids and mother liquors	Yes
D10	Incineration on Land	11	absolute value	07 04 01	aqueous washing liquids and mother liquors	Yes
D10	Incineration on Land	2	absolute value	07 04 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D10	Incineration on Land	144	absolute value	07 04 04	other organic solvents, washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	397	absolute value	07 04 07	halogenated still bottoms and reaction residues	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	295	absolute value	07 06 01	aqueous washing liquids and mother liquors	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	7030	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
D10	Incineration on Land	11812	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	17330	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	2184	absolute value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D10	Incineration on Land	4049	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	186	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	1842	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	4	absolute value	07 07 10	other filter cakes and spent absorbents	Yes
R4	Recycling/reclamation of metals and metal compounds	111	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes

ID: T, Location: 142m E, Permit: BU0311IX  
 Operator: Vertellus Specialities UK Limited  
 Activity: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS  
 Address: Seal Sands Road Seal Sands Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	12800	absolute value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R5	Recycling/reclamation of other inorganic materials	0.6	absolute value	15 01 07	glass packaging	No
R5	Recycling/reclamation of other inorganic materials	19.1	absolute value	20 01 01	paper and cardboard	No
R4	Recycling/reclamation of metals and metal compounds	4.5	absolute value	20 01 40	metals	No
R5	Recycling/reclamation of other inorganic materials	52	absolute value	20 03 01	mixed municipal waste	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	10.86	absolute value	15 01 02	plastic packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1	absolute value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.43	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.7	absolute value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.65	absolute value	15 01 05	composite packaging	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	33.12	absolute value	06 01 01	sulphuric acid and sulphurous acid	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.84	absolute value	06 01 02	hydrochloric acid	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	13.68	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	76.26	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes





Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	32.56	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.23	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	11.7	absolute value	07 07 08	other still bottoms and reaction residues	Yes
D10	Incineration on Land	78.58	absolute value	07 07 08	other still bottoms and reaction residues	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.28	absolute value	14 06 03	other solvents and solvent mixtures	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.49	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	20.74	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.78	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.14	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	18.72	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.28	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.16	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	11.52	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	absolute value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.4	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10.32	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
D10	Incineration on Land	13.34	absolute value	16 03 05	organic wastes containing dangerous substances	Yes



ID: BM, Location: 269m E, Permit: NP3339MT  
 Operator: Victrex Manufacturing Limited  
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS  
 Address: Seal Sands Bdf Manufacturing Off Seaton Carew Road Middlesbrough Redcar and Cleveland TS2 1UB  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	6.6	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	87	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	58.64	absolute value	07 07 07	halogenated still bottoms and reaction residues	Yes
D10	Incineration on Land	0.2	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D10	Incineration on Land	0.2	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D10	Incineration on Land	0.2	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.21 Pollution inventory radioactive waste

**Records within 500m**

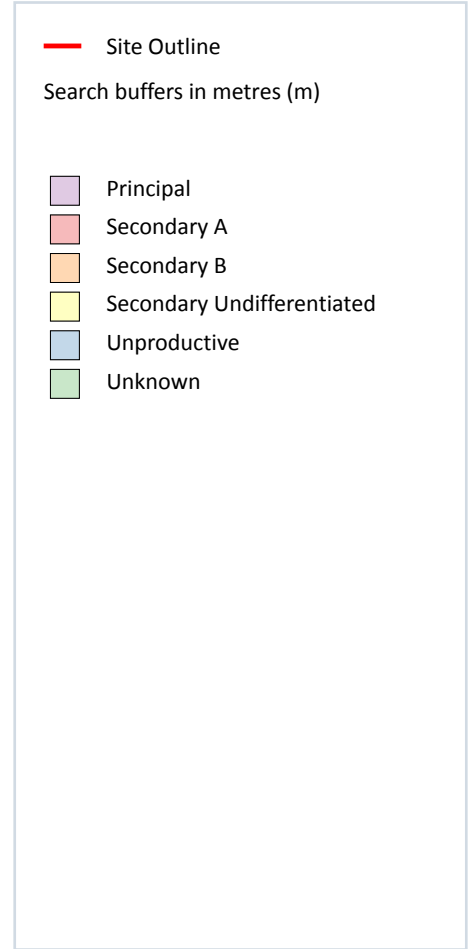
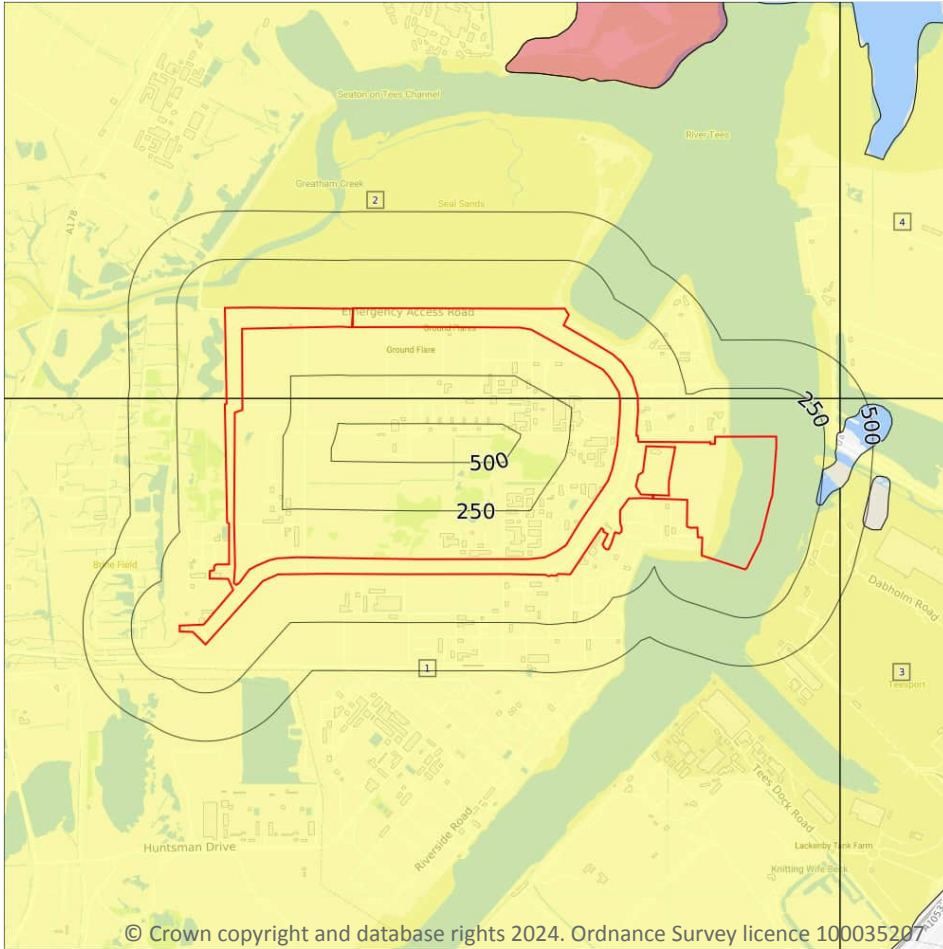
**0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 296 >](#)

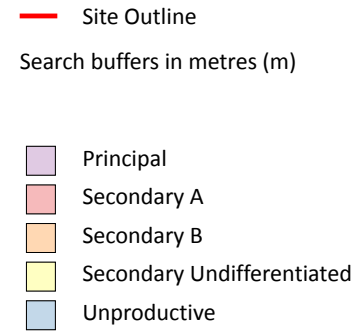
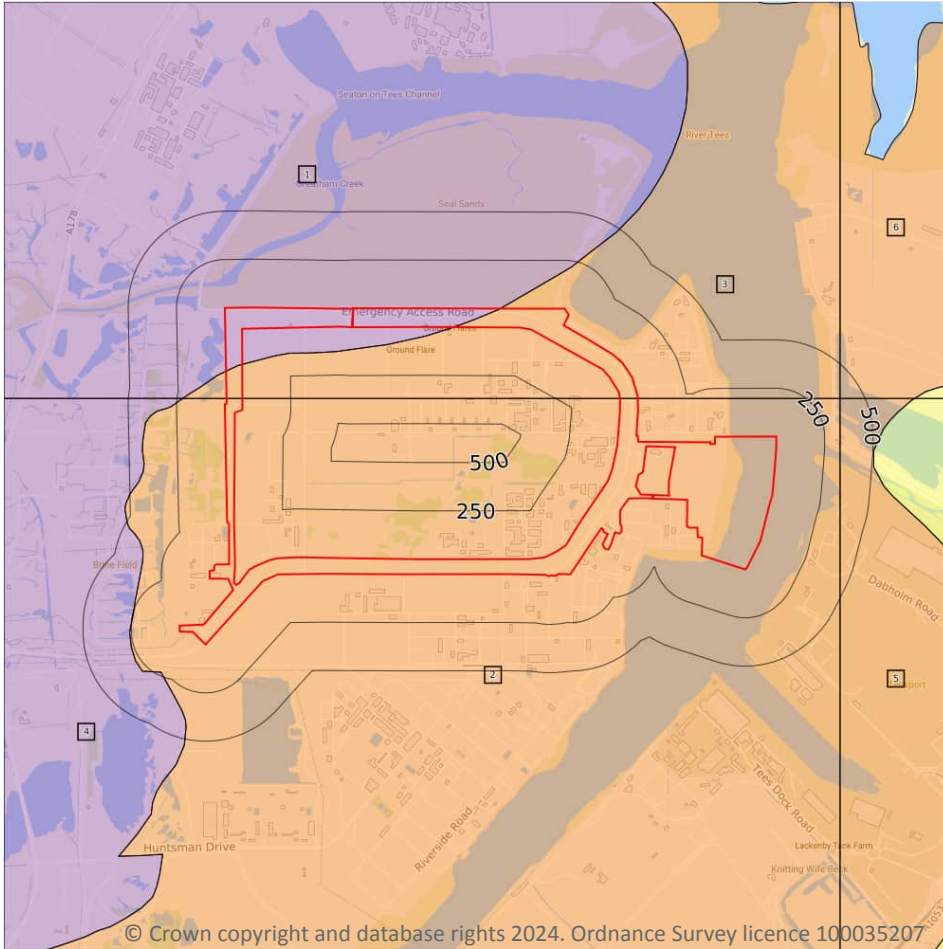
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	331m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	385m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

6

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 298 >](#)

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

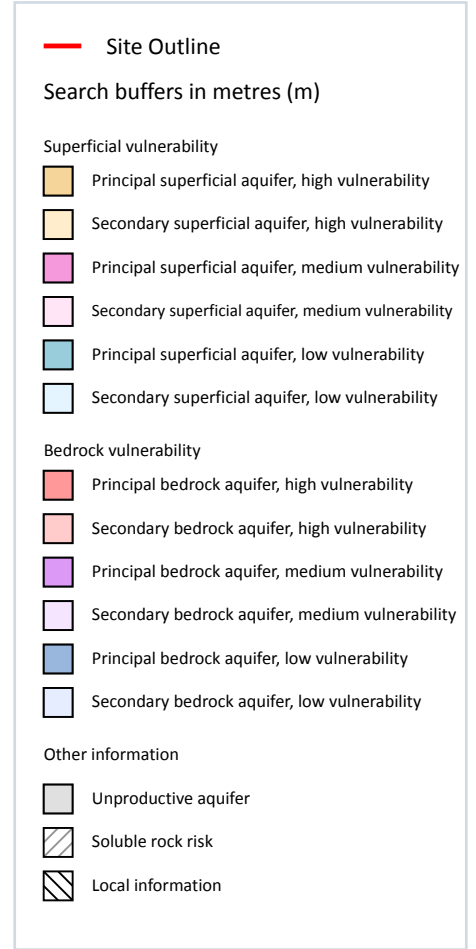
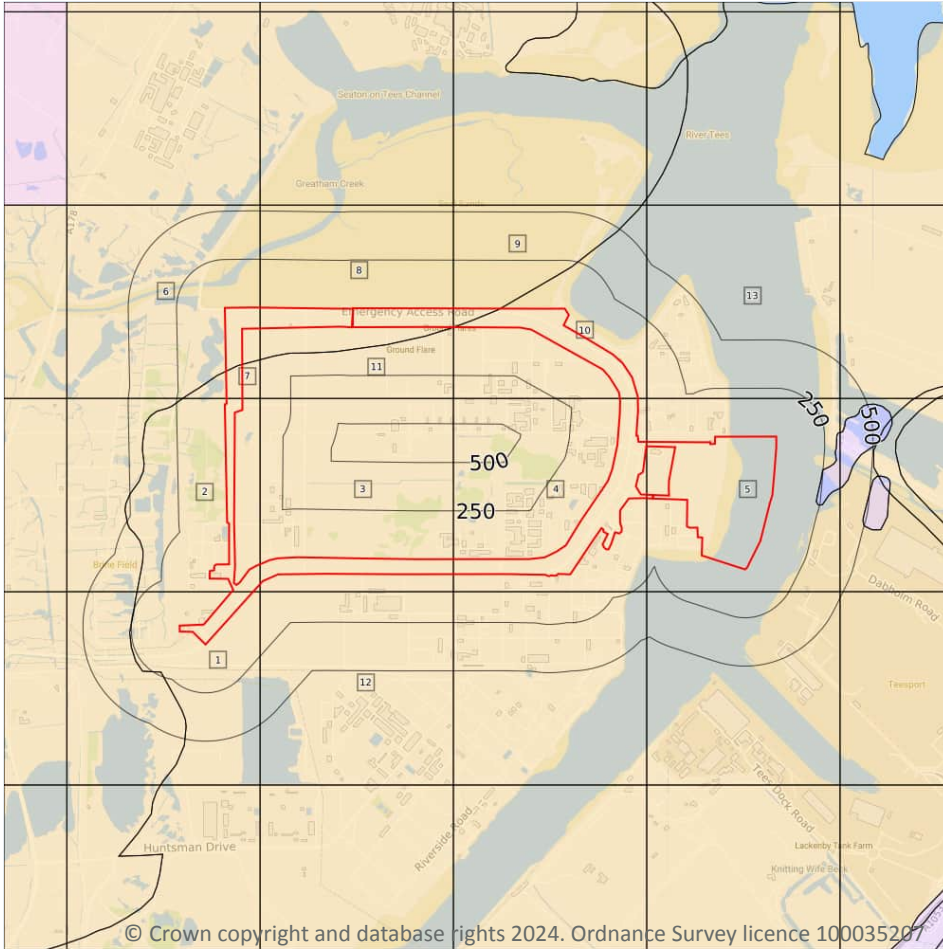


ID	Location	Designation	Description
3	On site	Secondary B	<b>Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers</b>
4	220m W	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
5	330m E	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
6	385m E	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

13

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 300](#) >





ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
2	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
3	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
4	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
5	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
6	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Principal <b>Flow mechanism:</b> Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
8	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Principal <b>Flow mechanism:</b> Well connected fractures
9	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> No Data% <b>Dilution value:</b> No Datamm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Principal <b>Flow mechanism:</b> Well connected fractures
10	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> No Data% <b>Dilution value:</b> No Datamm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
11	1m NW	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
12	26m SW	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> High <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
13	46m NE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: No Data% Dilution value: No Datamm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## 5.4 Groundwater vulnerability- soluble rock risk

**Records on site**

**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

*This data is sourced from the British Geological Survey and the Environment Agency.*

## 5.5 Groundwater vulnerability- local information

**Records on site**

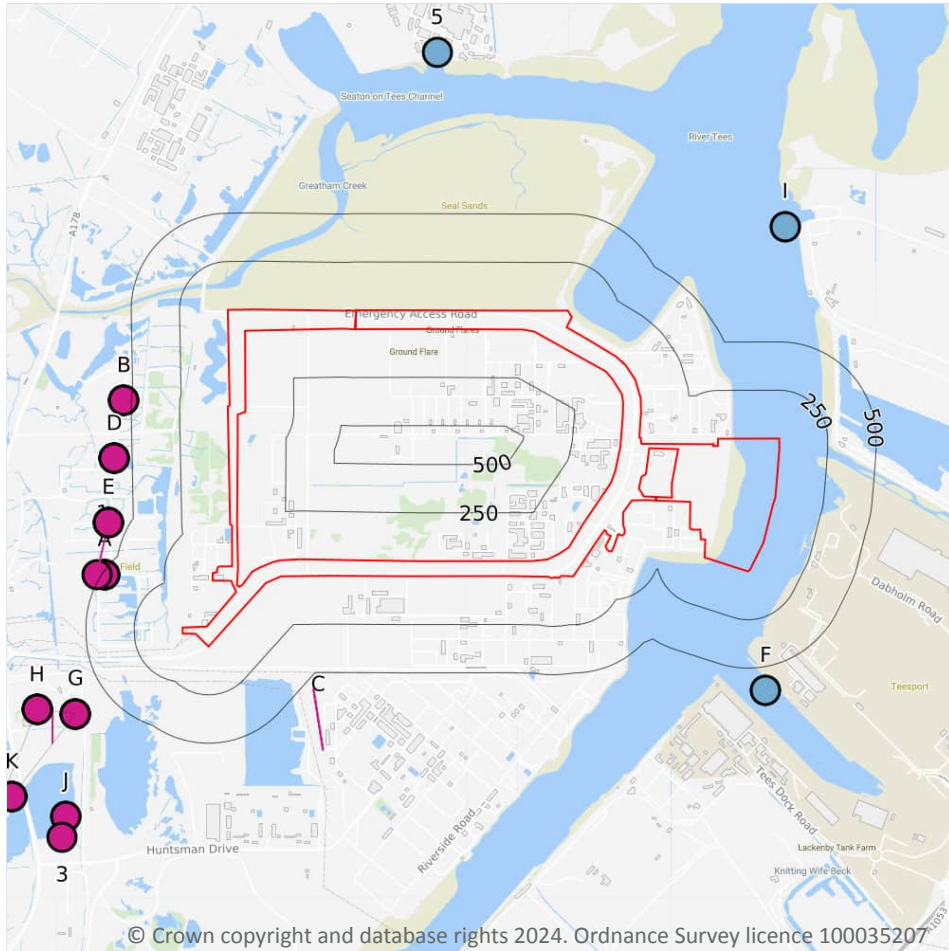
**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) ↗.

*This data is sourced from the British Geological Survey and the Environment Agency.*



## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

54

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 304](#) >

ID	Location	Details	
A	488m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
A	488m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
A	488m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
A	488m W	Status: Historical Licence No: 1/25/04/134 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -



ID	Location	Details	
A	488m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
A	488m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451180 Northing: 524100	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
1	522m W	Status: Historical Licence No: 1/25/04/068 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X2 - TRIASSIC MUDSTONES - SEAL SANDS Data Type: Line Name: I C I LTD Easting: 451140 Northing: 524100	Annual Volume (m <sup>3</sup> ): 2954545 Max Daily Volume (m <sup>3</sup> ): 9591 Original Application No: - Original Start Date: 30/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1966 Version End Date: -
A	522m W	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X 2 Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 451140 Northing: 524100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -



ID	Location	Details	
B	538m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
B	538m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
B	538m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
B	538m W	Status: Historical Licence No: 1/25/04/134 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -



ID	Location	Details	
B	538m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
B	538m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451280 Northing: 525000	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
C	548m SW	Status: Active Licence No: 1/25/04/164 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLES X8 - MERCIA MUDSTONE - PORT CLARENCE Data Type: Line Name: North Tees Ltd Easting: 452310 Northing: 523190	Annual Volume (m <sup>3</sup> ): 450000 Max Daily Volume (m <sup>3</sup> ): 1500 Original Application No: NPS/WR/020796 Original Start Date: 27/11/1996 Expiry Date: - Issue No: 104 Version Start Date: 12/10/2015 Version End Date: -
C	548m SW	Status: Historical Licence No: 1/25/04/164 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLES X8 - TRIASSIC MUDSTONES Data Type: Line Name: I C I CHEMICALS & POLYMERS LTD Easting: 452310 Northing: 523190	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/11/1996 Expiry Date: - Issue No: 102 Version Start Date: 09/03/2004 Version End Date: -





ID	Location	Details	
C	548m SW	Status: Historical Licence No: 1/25/04/164 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLES X8 - TRIASSIC MERCIA MUDSTONES - PORT CLARENCE Data Type: Line Name: I C I CHEMICALS & POLYMERS LTD Easting: 452310 Northing: 523190	Annual Volume (m <sup>3</sup> ): 450000 Max Daily Volume (m <sup>3</sup> ): 1500 Original Application No: - Original Start Date: 27/11/1996 Expiry Date: - Issue No: 102 Version Start Date: 09/03/2004 Version End Date: -
D	592m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
D	592m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
D	592m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -



ID	Location	Details	
D	592m W	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 104 Version Start Date: 01/07/2003 Version End Date: -
D	592m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
D	592m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE W10 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451230 Northing: 524700	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
E	600m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -



ID	Location	Details	
E	600m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
E	600m W	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
E	600m W	Status: Historical Licence No: 1/25/04/134 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -
E	600m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -



ID	Location	Details	
E	600m W	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451200 Northing: 524370	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
2	692m SW	Status: Historical Licence No: 1/25/04/068 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - TRIASSIC MUDSTONES - SEAL SANDS Data Type: Poly4 Name: I C I LTD Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 2954545 Max Daily Volume (m <sup>3</sup> ): 9591 Original Application No: - Original Start Date: 30/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1966 Version End Date: -
G	692m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
G	692m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -



ID	Location	Details	
G	692m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
G	692m SW	Status: Historical Licence No: 1/25/04/134 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -
G	692m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
G	692m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 451030 Northing: 523380	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -



ID	Location	Details	
H	851m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
H	851m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
H	851m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
H	851m SW	Status: Historical Licence No: 1/25/04/134 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - WILTON Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -



ID	Location	Details	
H	851m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
H	851m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450830 Northing: 523400	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
J	1121m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X 2 Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 450980 Northing: 522850	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -
J	1121m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W4 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450980 Northing: 522850	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 104 Version Start Date: 01/07/2003 Version End Date: -



ID	Location	Details	
J	1121m SW	Status: Historical Licence No: 1/25/04/068 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W4 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: I C I LTD Easting: 450980 Northing: 522850	Annual Volume (m <sup>3</sup> ): 2954545 Max Daily Volume (m <sup>3</sup> ): 9591 Original Application No: - Original Start Date: 30/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1966 Version End Date: -
K	1222m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
K	1222m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -
K	1222m SW	Status: Active Licence No: 1/25/04/134 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: SABIC UK PETROCHEMICALS Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: 9971 Original Start Date: 11/04/1975 Expiry Date: - Issue No: 108 Version Start Date: 29/12/2006 Version End Date: -





ID	Location	Details	
K	1222m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X 4- TRIASSIC MUDSTONES Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -
K	1222m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 104 Version Start Date: 01/07/2003 Version End Date: -
K	1222m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -
K	1222m SW	Status: Historical Licence No: 1/25/04/134 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE W1 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450700 Northing: 522950	Annual Volume (m <sup>3</sup> ): 1800000 Max Daily Volume (m <sup>3</sup> ): 6478 Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 106 Version Start Date: 11/08/2005 Version End Date: -



ID	Location	Details	
3	1225m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE W3 - SHERWOOD SANDSTONE - SEAL SANDS Data Type: Point Name: HUNTSMAN PETROCHEMICALS (UK) LTD Easting: 450960 Northing: 522740	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 104 Version Start Date: 01/07/2003 Version End Date: -
-	1307m SW	Status: Historical Licence No: 1/25/04/133 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - TRIASSIC MUDSTONES Data Type: Point Name: I C I CHEMICAL & POLYMERS GROUP Easting: 450630 Northing: 522900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/04/1975 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1993 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

## 5.7 Surface water abstractions

### Records within 2000m

5

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 304 >](#)

ID	Location	Details	
F	622m SE	Status: Historical Licence No: 1/25/04/123 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER TEES Data Type: Point Name: TEES BULK HANDLING LTD Easting: 454600 Northing: 523500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/05/1973 Expiry Date: - Issue No: 100 Version Start Date: 31/07/1974 Version End Date: -



ID	Location	Details	
F	622m SE	Status: Historical Licence No: 1/25/04/123 Details: Dust suppression Direct Source: SURFACE WATER Point: RIVER TEES Data Type: Point Name: TEES BULK HANDLING LTD Easting: 454600 Northing: 523500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/05/1973 Expiry Date: - Issue No: 100 Version Start Date: 31/07/1974 Version End Date: -
I	1093m NE	Status: Historical Licence No: 1/25/04/135 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER TEES ESTUARY Data Type: Point Name: BRITISH STEEL PLC Easting: 454700 Northing: 525900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 19/05/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -
I	1093m NE	Status: Historical Licence No: 1/25/04/135 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER TEES ESTUARY Data Type: Point Name: CORUS UK LTD Easting: 454700 Northing: 525900	Annual Volume (m <sup>3</sup> ): 263832000 Max Daily Volume (m <sup>3</sup> ): 722828 Original Application No: - Original Start Date: 19/05/1975 Expiry Date: - Issue No: 101 Version Start Date: 17/04/2000 Version End Date: -
5	1334m N	Status: Historical Licence No: 1/25/04/120 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: SEATON-ON-TEES CHANNEL Data Type: Point Name: BRITISH ENERGY GENERATION LTD Easting: 452900 Northing: 526800	Annual Volume (m <sup>3</sup> ): 1098981800 Max Daily Volume (m <sup>3</sup> ): 3010900 Original Application No: - Original Start Date: 27/09/1971 Expiry Date: - Issue No: 100 Version Start Date: 08/03/1999 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



## 5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.10 Source Protection Zones (confined aquifer)

Records within 500m

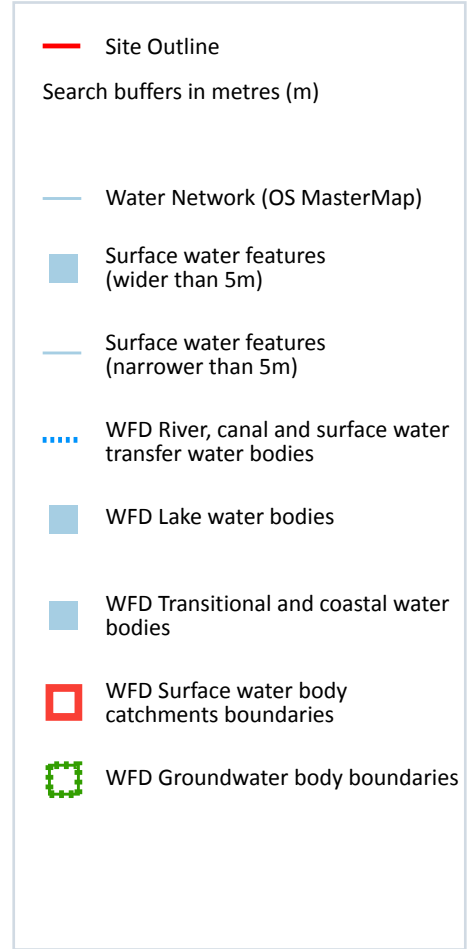
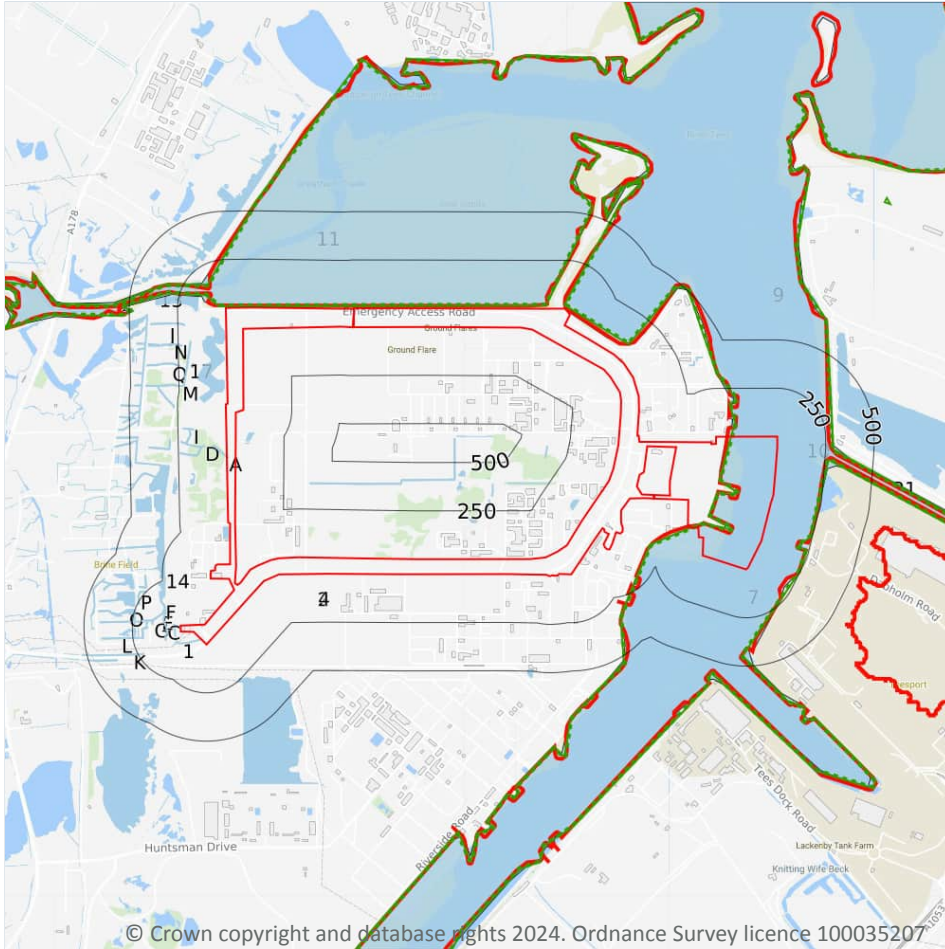
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

45

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 321](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
<b>A</b>	<b>On site</b>	<b>Inland river not influenced by normal tidal action.</b>	<b>On ground surface</b>	<b>Watercourse contains water year round (in normal circumstances)</b>	-
A	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	34m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Tees
C	70m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	72m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Tees
10	72m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dabholm Cut
D	111m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	112m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	118m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	129m NW	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	Greatham Creek
D	130m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	130m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	146m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
G	148m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	155m NW	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	Greatham Creek
14	162m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	168m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	174m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	175m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	175m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	176m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	185m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	185m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	190m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	197m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	205m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
G	208m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	208m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	211m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	214m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	215m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	217m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	222m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	222m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
L	223m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	225m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
M	225m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	230m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	231m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-





ID	Location	Type of water feature	Ground level	Permanence	Name
21	232m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dabholm Cut
G	234m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	239m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	239m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	243m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

**Records within 250m**

**40**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 321 >](#)

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

**Records on site**

**1**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 321 >](#)



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	Coastal Catchment	Not part of a river WB catchment	10	Tees Lower and Estuary	Tees

This data is sourced from the Environment Agency and Natural Resources Wales.

## 6.4 WFD Surface water bodies

**Records identified** **1**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 321 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	On site	Transi	TEES	<a href="#">GB510302509900 ↗</a>	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

## 6.5 WFD Groundwater bodies

**Records on site** **1**

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

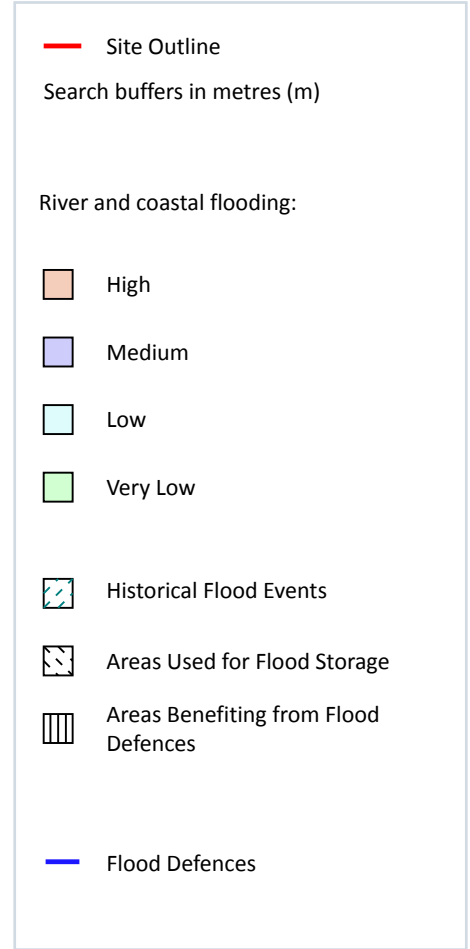
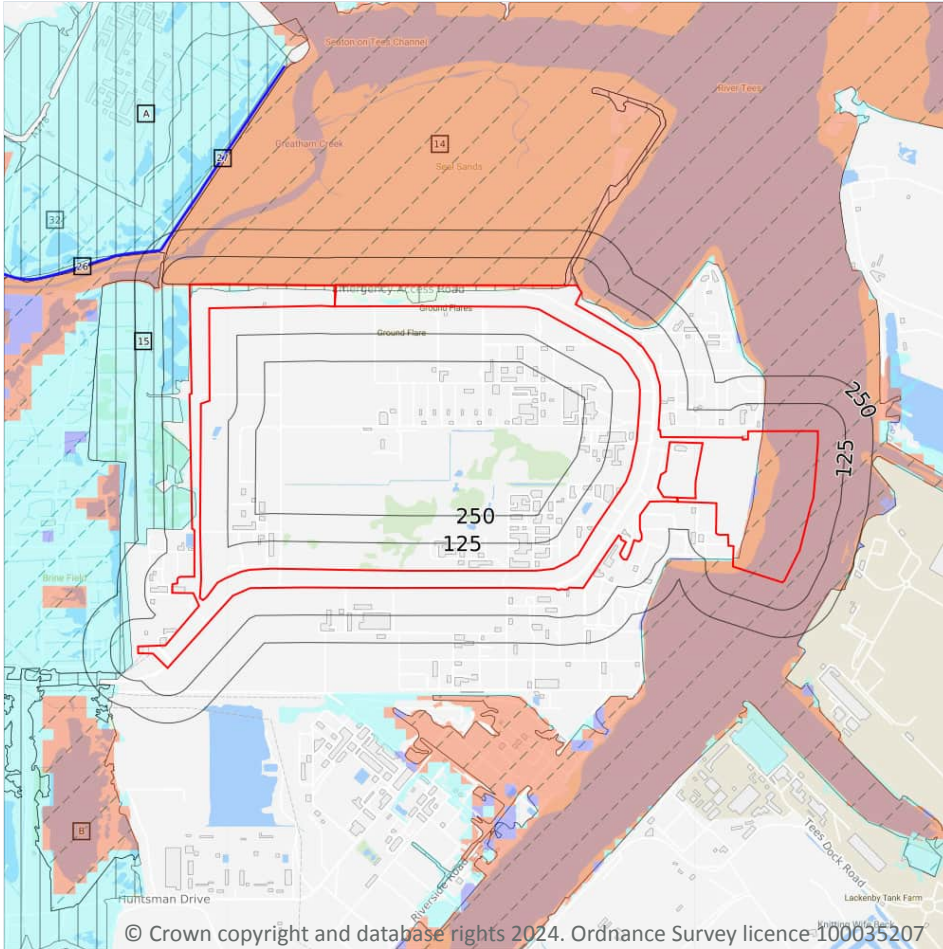
Features are displayed on the Hydrology map on [page 321 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
4	On site	Tees Sherwood Sandstone	<a href="#">GB40301G702000 ↗</a>	Good	Good	Good	2019

This data is sourced from the Environment Agency and Natural Resources Wales.



## 7 River and coastal flooding



### 7.1 Risk of flooding from rivers and the sea

Records within 50m

19

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 327 >](#)

Distance	Flood risk category
<b>On site</b>	<b>High</b>
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

## 7.2 Historical Flood Events

### Records within 250m

3

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 327 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
<b>14</b>	<b>On site</b>	<b>Tees Estuary, Including Port Clarence</b>	<b>2013-12-05</b> <b>2013-12-06</b>	<b>Sea</b>	<b>Operational failure/breach of defence</b>	<b>Tidal</b>
B	193m SW	Tees Estuary, Including Port Clarence	2013-12-05 2013-12-06	Sea	Operational failure/breach of defence	Tidal
32	230m NW	Seaton 1978	1978-01-11 1978-01-11	Main river	Overtopping of defences	Tidal

This data is sourced from the Environment Agency and Natural Resources Wales.

## 7.3 Flood Defences

### Records within 250m

2

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on [page 327 >](#)

ID	Location	Update
26	204m NW	08/11/2022
27	204m NW	08/11/2022



This data is sourced from the Environment Agency and Natural Resources Wales.

## 7.4 Areas Benefiting from Flood Defences

Records within 250m

2

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 327](#) >

ID	Location	
15	On site	Area benefiting from flood defences
A	175m NW	Area benefiting from flood defences

This data is sourced from the Environment Agency and Natural Resources Wales.

## 7.5 Flood Storage Areas

Records within 250m

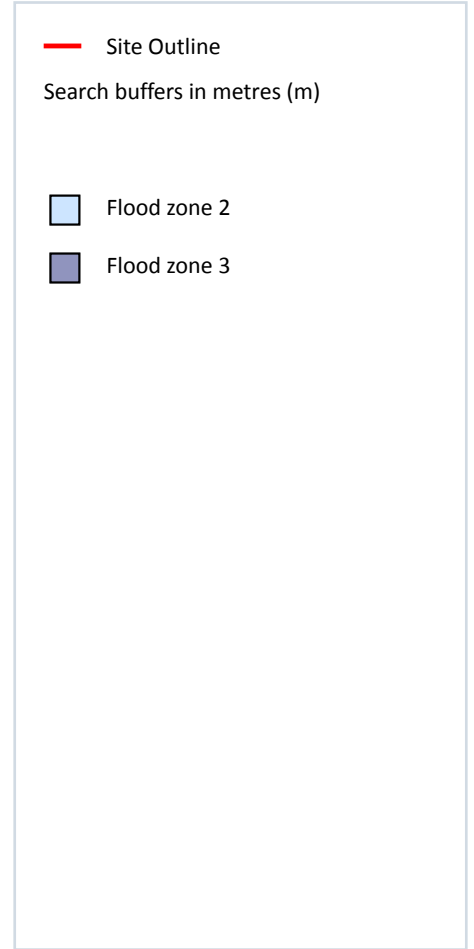
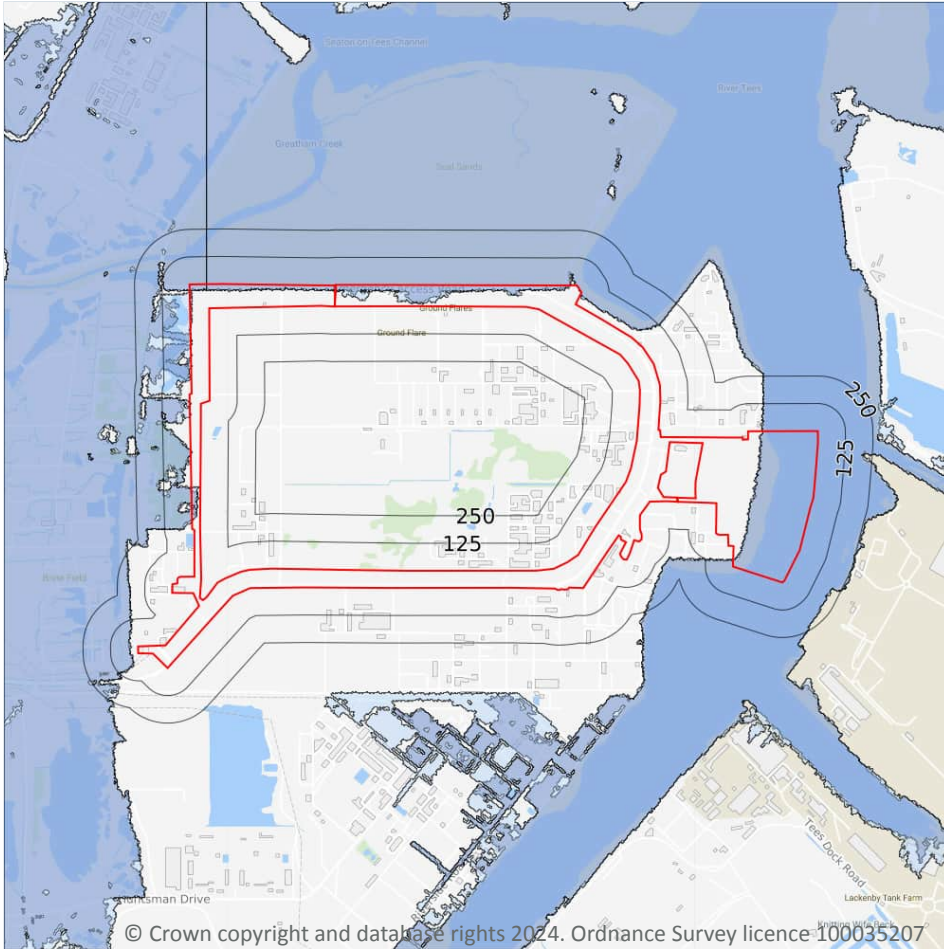
0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



## River and coastal flooding - Flood Zones



### 7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 327 >](#)

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.7 Flood Zone 3

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

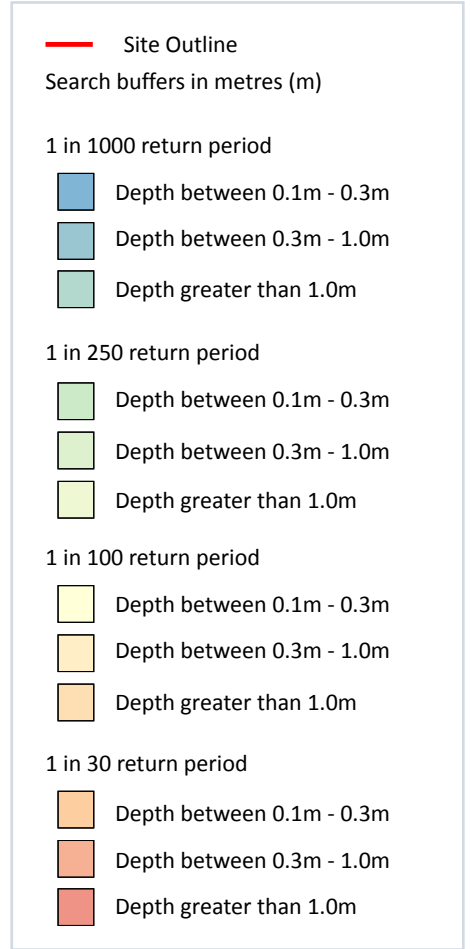
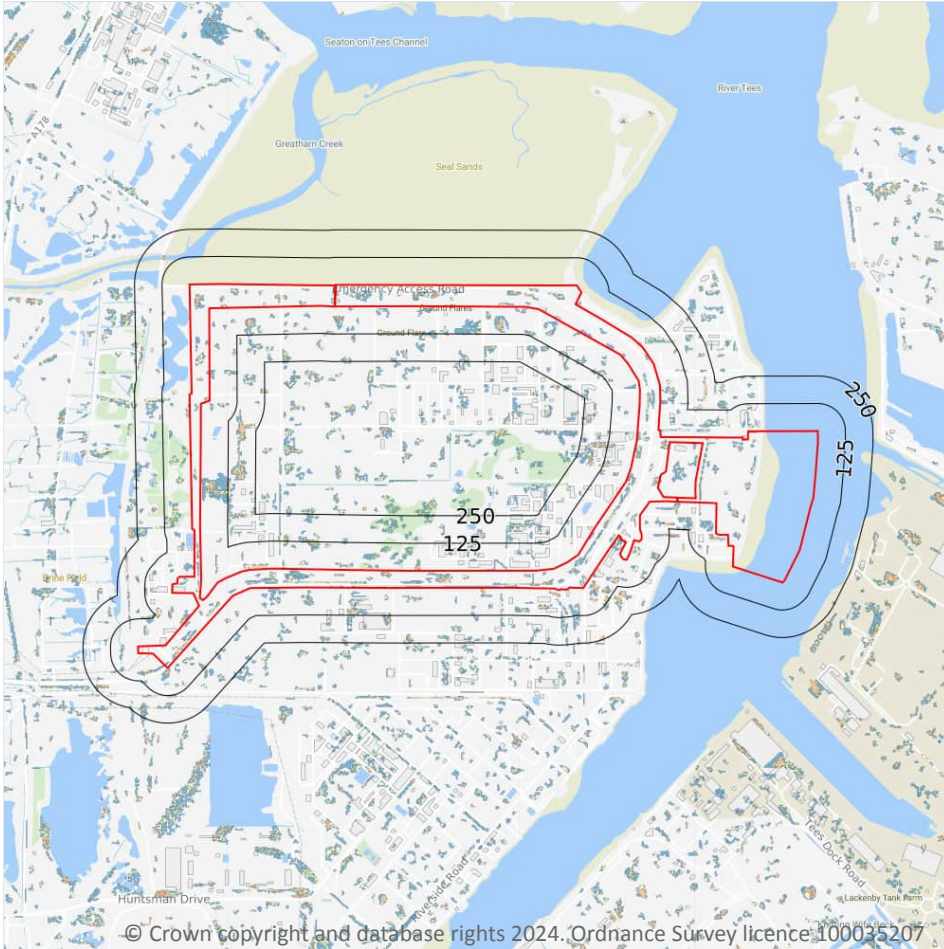
Features are displayed on the River and coastal flooding map on [page 327 >](#)

Location	Type
On site	Zone 3 - (Fluvial Models)

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



### 8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 332 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.



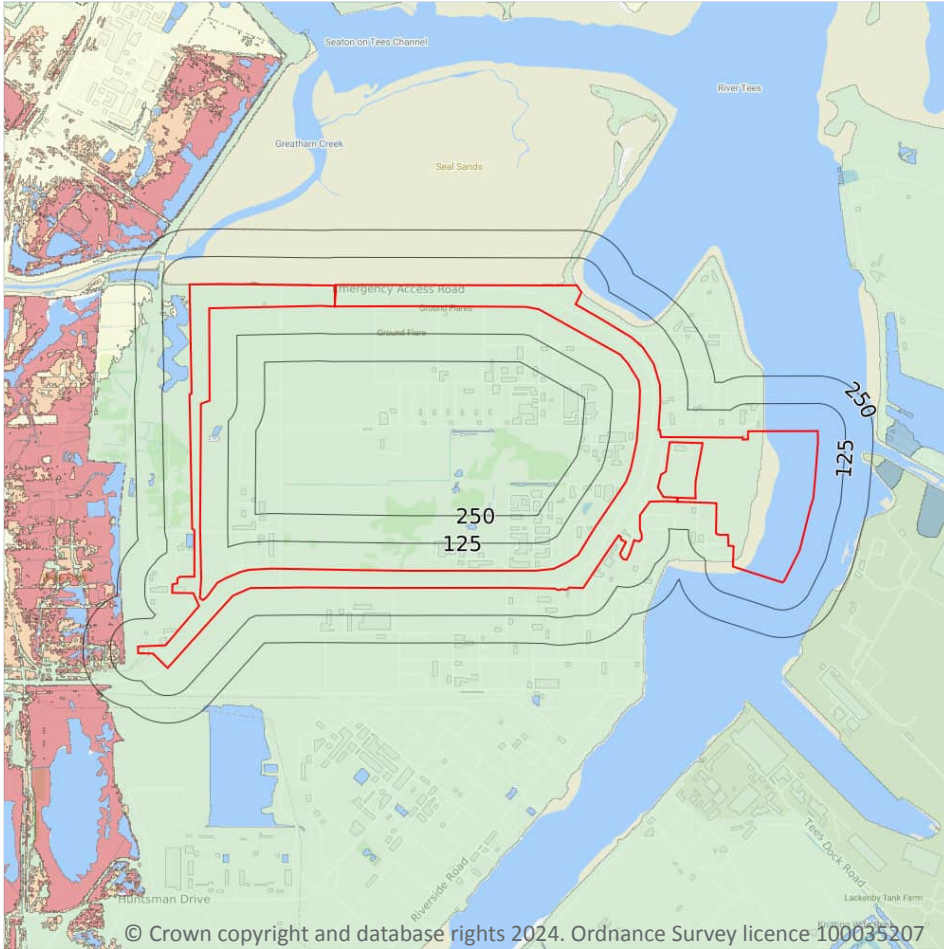
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

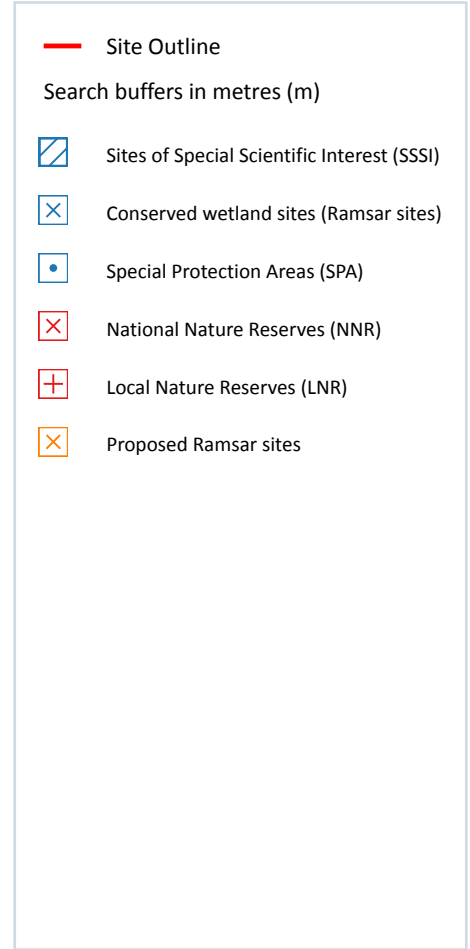
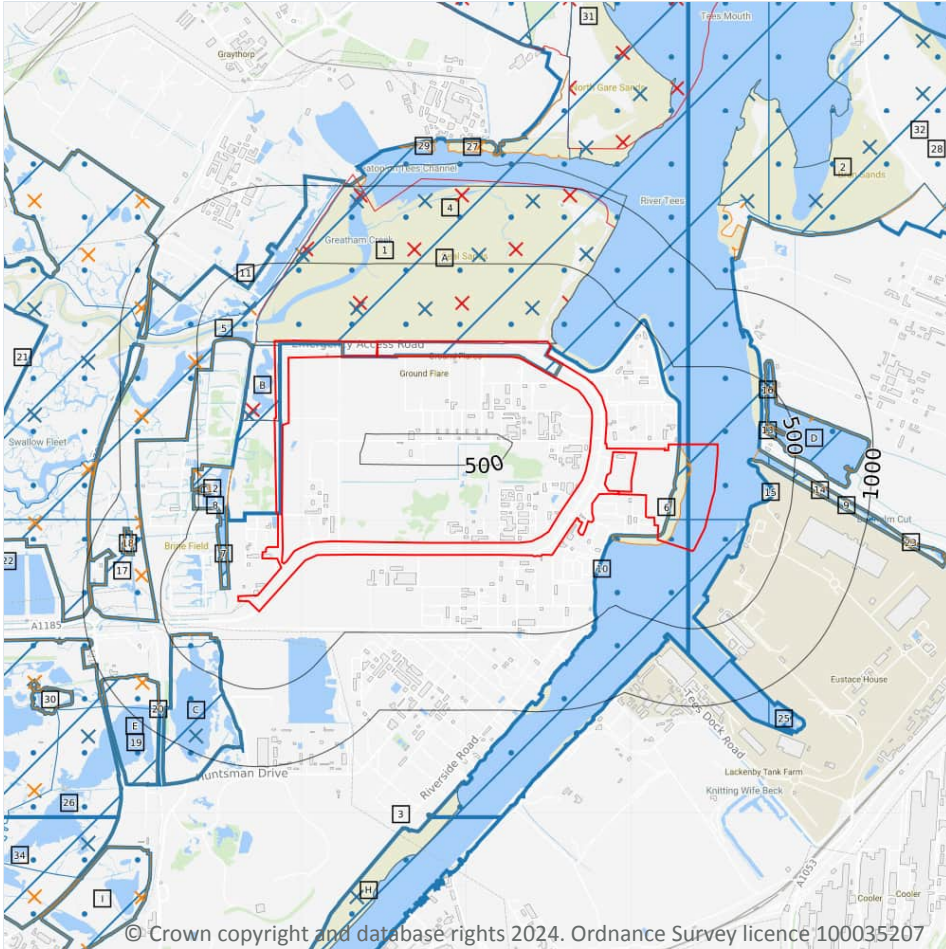
Moderate

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 334](#) >

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

9

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 335 >](#)

ID	Location	Name	Data source
1	On site	Teesmouth and Cleveland Coast	Natural England



ID	Location	Name	Data source
2	On site	Teesmouth and Cleveland Coast	Natural England
C	278m SW	Teesmouth and Cleveland Coast	Natural England
D	321m E	Teesmouth and Cleveland Coast	Natural England
E	739m SW	Teesmouth and Cleveland Coast	Natural England
24	980m SW	Teesmouth and Cleveland Coast	Natural England
34	1593m SW	Teesmouth and Cleveland Coast	Natural England
35	1674m S	Teesmouth and Cleveland Coast	Natural England
I	1697m SW	Teesmouth and Cleveland Coast	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

## 10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

11

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on [page 335 >](#)

ID	Location	Site	Details
A	On site	<b>Name:</b> Teesmouth and Cleveland Coast <b>Site status:</b> Listed <b>Data source:</b> Natural England	<b>Overview:</b> Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. <b>Ramsar criteria:</b> -
B	On site	<b>Name:</b> Teesmouth and Cleveland Coast <b>Site status:</b> Listed <b>Data source:</b> Natural England	<b>Overview:</b> Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. <b>Ramsar criteria:</b> -



ID	Location	Site	Details
11	246m NW	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
C	298m SW	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
19	864m SW	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
21	866m W	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
26	1103m SW	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
G	1182m N	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -



ID	Location	Site	Details
32	1404m NE	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
H	1469m S	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -
J	1898m N	Name: Teesmouth and Cleveland Coast Site status: Listed Data source: Natural England	Overview: Medium-large site encompassing a range of habitats (sand and mudflats, rocky shore, saltmarsh, freshwater marsh and sand dunes) on and around an estuary which has been much-modified by human activities. Together these habitats support internationally important numbers of waterbirds. Ramsar criteria: -

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.3 Special Areas of Conservation (SAC)

**Records within 2000m**

**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.4 Special Protection Areas (SPA)

**Records within 2000m**

**23**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

Features are displayed on the Environmental designations map on [page 335 >](#)



ID	Location	Name	Species of interest	Habitat description	Data source
3	On site	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
4	On site	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
7	80m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
10	245m SE	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
C	278m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
12	279m W	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
13	321m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
14	330m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
D	336m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
15	345m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England





ID	Location	Name	Species of interest	Habitat description	Data source
16	347m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
17	536m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
18	729m W	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
E	739m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
20	865m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
22	953m W	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
23	976m E	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
F	980m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
25	1071m SE	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
30	1220m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
33	1436m NE	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
I	1697m SW	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
J	1898m N	Teesmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

### Records within 2000m

**3**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

Features are displayed on the Environmental designations map on [page 335 >](#)

ID	Location	Name	Data source
A	On site	Teesmouth	Natural England
B	On site	Teesmouth	Natural England
31	1250m N	Teesmouth	Natural England



*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*



## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

15

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

Features are displayed on the Environmental designations map on [page 335 >](#)

ID	Location	Name	Status
5	On site	Teesmouth and Cleveland Coast	Proposed
6	On site	Teesmouth and Cleveland Coast	Proposed
8	80m SW	Teesmouth and Cleveland Coast	Proposed
9	231m E	Teesmouth and Cleveland Coast	Proposed
C	278m SW	Teesmouth and Cleveland Coast	Proposed
D	321m E	Teesmouth and Cleveland Coast	Proposed
E	739m SW	Teesmouth and Cleveland Coast	Proposed
F	980m SW	Teesmouth and Cleveland Coast	Proposed
G	1183m N	Teesmouth and Cleveland Coast	Proposed
27	1195m N	Teesmouth and Cleveland Coast	Proposed
28	1196m NE	Teesmouth and Cleveland Coast	Proposed
29	1220m N	Teesmouth and Cleveland Coast	Proposed



ID	Location	Name	Status
H	1469m S	Teesmouth and Cleveland Coast	Proposed
I	1697m SW	Teesmouth and Cleveland Coast	Proposed
J	1898m N	Teesmouth and Cleveland Coast	Proposed

*This data is sourced from Natural England.*

### 10.13 Possible Special Areas of Conservation (pSAC)

**Records within 2000m**

**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*

### 10.14 Potential Special Protection Areas (pSPA)

**Records within 2000m**

**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

**Records within 2000m**

**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*



## 10.16 Nitrate Vulnerable Zones

Records within 2000m

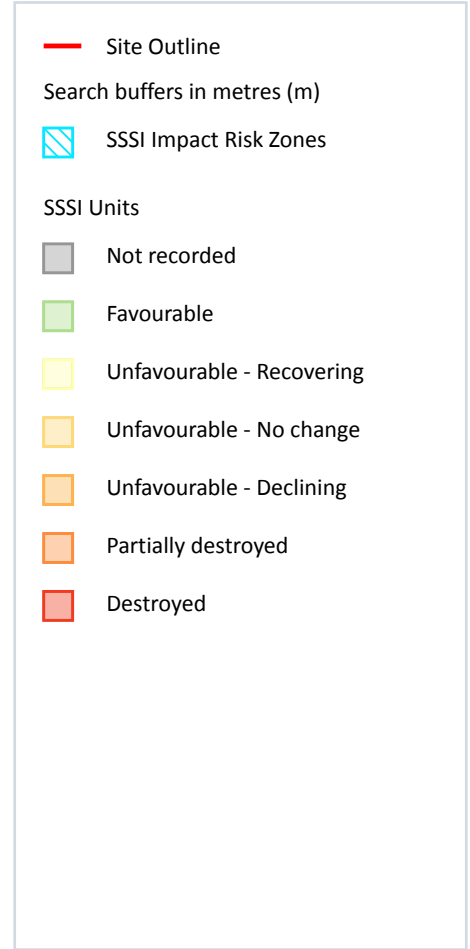
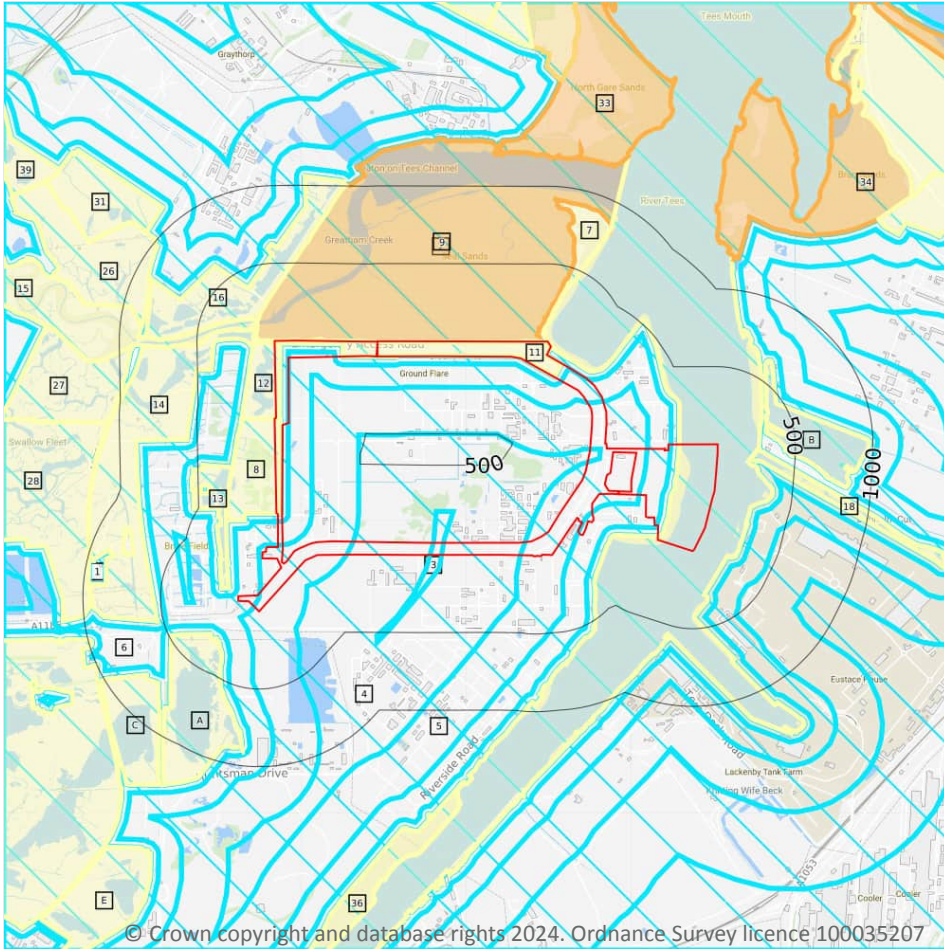
0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

6

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 348](#) >



ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>
2	On site	All applications - ALL PLANNING APPLICATIONS.
3	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>



ID	Location	Type of developments requiring consultation
4	On site	<p><b>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</b></p> <p><b>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</b></p> <p><b>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 2m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England’s Nutrient Neutrality advice.</b></p>



ID	Location	Type of developments requiring consultation
5	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>

ID	Location	Type of developments requiring consultation
6	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

27

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 348](#) >



ID: 7  
 Location: On site  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Seal Sands Peninsula  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Fixed dune grassland	-	-
SM4-28 - Saltmarsh	-	-
Sand dune; strandline, embryo and mobile dunes (SD1-6)	-	-
Waterbird assemblage	-	-

ID: 8  
 Location: On site  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Long Drag Reedbed  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-

ID: 9  
 Location: On site  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Seal Sands  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	15/03/2018
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	15/03/2018



Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	Favourable	15/03/2018
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Favourable	15/03/2018
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Unfavourable - Declining	15/03/2018
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Favourable	15/03/2018
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Favourable	15/03/2018
Aggregations of non-breeding birds - Sandwich tern, <i>Sterna sandvicensis</i>	Unfavourable - Declining	15/03/2018
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	15/03/2018
Common seal, <i>Phoca vitulina</i>	Favourable	15/03/2018
Knot, <i>Calidris canutus</i> - A143, nb	Unfavourable - Declining	15/03/2018
Little tern, <i>Sterna albifrons</i> - A195, b	Favourable	15/03/2018
Redshank, <i>Tringa totanus</i> - A162, nb	Favourable	15/03/2018
Sandwich tern, <i>Thalasseus sandvicensis</i> - A191, nb	Unfavourable - Declining	15/03/2018
Waterbird assemblage	Favourable	15/03/2018

**ID:** 10  
**Location:** On site  
**SSSI name:** Teesmouth and Cleveland Coast  
**Unit name:** River Tees  
**Broad habitat:** Rivers And Streams  
**Condition:** Unfavourable - Recovering  
**Reportable features:**

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Aggregations of non-breeding birds - Sandwich tern, <i>Sterna sandvicensis</i>	-	-
Common seal, <i>Phoca vitulina</i>	-	-
Little tern, <i>Sterna albifrons</i> - A195, b	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-



Feature name	Feature condition	Date of assessment
Sandwich tern, <i>Thalasseus sandvicensis</i> - A191, nb	-	-
Waterbird assemblage	-	-

ID: 11  
 Location: On site  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Emergency Access Road  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Waterbird assemblage	-	-

ID: 12  
 Location: On site  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Seal Sands Intertidal Project  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Waterbird assemblage	-	-

ID: 13  
 Location: 80m SW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Number 4 Brinefield  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:



Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	-	-
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-

ID: 14  
 Location: 130m NW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Number 4 Brinefield  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	-	-
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-

ID: 15  
 Location: 153m NW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Greatham Creek  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900





Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	-	-
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Common seal, <i>Phoca vitulina</i>	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
SM4-28 - Saltmarsh	-	-
Waterbird assemblage	-	-

**ID:** 16  
**Location:** 172m NW  
**SSSI name:** Teesmouth and Cleveland Coast  
**Unit name:** Greenabella Marsh  
**Broad habitat:** Littoral Sediment  
**Condition:** Unfavourable - Recovering  
**Reportable features:**

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	-	-
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
Waterbird assemblage	-	-

**ID:** 18  
**Location:** 211m E  
**SSSI name:** Teesmouth and Cleveland Coast  
**Unit name:** Bran Sands Lagoon And Dabholme Gut  
**Broad habitat:** Littoral Sediment



Condition: Unfavourable - Recovering

Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Mareca strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-

ID: A  
 Location: 278m SW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Rspb Saltholme  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, Recurvirostra avosetta	-	-
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Mareca strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-
Aggregations of non-breeding birds - Shoveler, Anas clypeata	-	-
Redshank, Tringa totanus - A162, nb	-	-
Waterbird assemblage	-	-

ID: B  
 Location: 321m E  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Bran Sands Lagoon And Dabholme Gut  
 Broad habitat: Littoral Sediment



Condition: Unfavourable - Recovering

Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Mareca strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-

ID: C  
 Location: 739m SW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Rspb Saltholme  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, Recurvirostra avosetta	-	-
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Mareca strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-
Aggregations of non-breeding birds - Shoveler, Anas clypeata	-	-
Redshank, Tringa totanus - A162, nb	-	-
Waterbird assemblage	-	-

ID: 26  
 Location: 854m W  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Saltern Wetlands  
 Broad habitat: Littoral Sediment



Condition: Unfavourable - Recovering

Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Common seal, <i>Phoca vitulina</i>	-	-
SM4-28 - Saltmarsh	-	-

ID: 27  
 Location: 921m W  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Cowpen Marsh Managed Realignment  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Waterbird assemblage	-	-

ID: 28  
 Location: 953m W  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Cowpen Marsh  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:



Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Gadwall, <i>Mareca strepera</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Waterbird assemblage	-	-

ID: 30  
 Location: 980m SW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Rspb Saltholme  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	-	-
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Gadwall, <i>Mareca strepera</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
Waterbird assemblage	-	-



ID: 31  
 Location: 1081m NW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Greatham Tank Farm  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-

ID: 33  
 Location: 1183m N  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: North Gare To Seaton Snook  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	-	-
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	-	-
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	-	-
Aggregations of non-breeding birds - Sandwich tern, <i>Sterna sandvicensis</i>	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Fixed dune grassland	-	-
Invert. assemblage F111 bare sand & chalk	-	-
Little tern, <i>Sterna albifrons</i> - A195, b	-	-
SM4-28 - Saltmarsh	-	-
Sand dune; strandline, embryo and mobile dunes (SD1-6)	-	-
Sandwich tern, <i>Thalasseus sandvicensis</i> - A191, nb	-	-



Feature name	Feature condition	Date of assessment
Waterbird assemblage	-	-

**ID:** 34  
**Location:** 1196m NE  
**SSSI name:** Teesmouth and Cleveland Coast  
**Unit name:** Bran Sands  
**Broad habitat:** Littoral Sediment  
**Condition:** Unfavourable - Declining  
**Reportable features:**

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	15/03/2018
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	Favourable	15/03/2018
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Unfavourable - Declining	15/03/2018
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Favourable	15/03/2018
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	15/03/2018
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - Declining	15/03/2018
Aggregations of non-breeding birds - Sandwich tern, <i>Sterna sandvicensis</i>	Unfavourable - Declining	15/03/2018
Fixed dune grassland	Favourable	15/03/2018
Knot, <i>Calidris canutus</i> - A143, nb	Unfavourable - Declining	15/03/2018
Redshank, <i>Tringa totanus</i> - A162, nb	Favourable	15/03/2018
Sand dune; strandline, embryo and mobile dunes (SD1-6)	Favourable	15/03/2018
Sandwich tern, <i>Thalasseus sandvicensis</i> - A191, nb	Unfavourable - Declining	15/03/2018
Waterbird assemblage	Favourable	15/03/2018

**ID:** 36  
**Location:** 1469m S  
**SSSI name:** Teesmouth and Cleveland Coast  
**Unit name:** North Tees Mudflat  
**Broad habitat:** Littoral Sediment  
**Condition:** Unfavourable - Recovering  
**Reportable features:**



Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-
Waterbird assemblage	-	-

ID: 37  
 Location: 1686m N  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Seaton Dunes  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Fixed dune grassland	-	-
Humid dune slacks	-	-
Invert. assemblage F111 bare sand & chalk	-	-
Sand dune; strandline, embryo and mobile dunes (SD1-6)	-	-
Waterbird assemblage	-	-

ID: E  
 Location: 1697m SW  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Rspb Saltholme  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Avocet, Recurvirostra avosetta	-	-





Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Common tern, <i>Sterna hirundo</i>	-	-
Aggregations of non-breeding birds - Gadwall, <i>Mareca strepera</i>	-	-
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	-	-
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	-	-
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
Waterbird assemblage	-	-

**ID:** 38  
**Location:** 1767m NE  
**SSSI name:** Teemouth and Cleveland Coast  
**Unit name:** Coatham Quarries And Lagoons  
**Broad habitat:** Supralittoral Sediment  
**Condition:** Unfavourable - Recovering  
**Reportable features:**

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	-	-
Fixed dune grassland	-	-
Invert. assemblage F111 bare sand & chalk	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
Sand dune; strandline, embryo and mobile dunes (SD1-6)	-	-
Waterbird assemblage	-	-

**ID:** 39  
**Location:** 1767m NW  
**SSSI name:** Teemouth and Cleveland Coast  
**Unit name:** Saltern Borrow Pits  
**Broad habitat:** Littoral Sediment  
**Condition:** Unfavourable - Recovering  
**Reportable features:**



Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of non-breeding birds - Gadwall, Mareca strepera	-	-
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-

ID: 40  
 Location: 1898m N  
 SSSI name: Teesmouth and Cleveland Coast  
 Unit name: Seaton Common  
 Broad habitat: Supralittoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Assemblages of breeding birds - Mixed: Sand-dunes and Saltmarsh, Lowland open waters and their margins	-	-
Waterbird assemblage	-	-

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

### 11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.5 Conservation Areas

**Records within 250m**

**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

**Records within 250m**

**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

**Records within 250m**

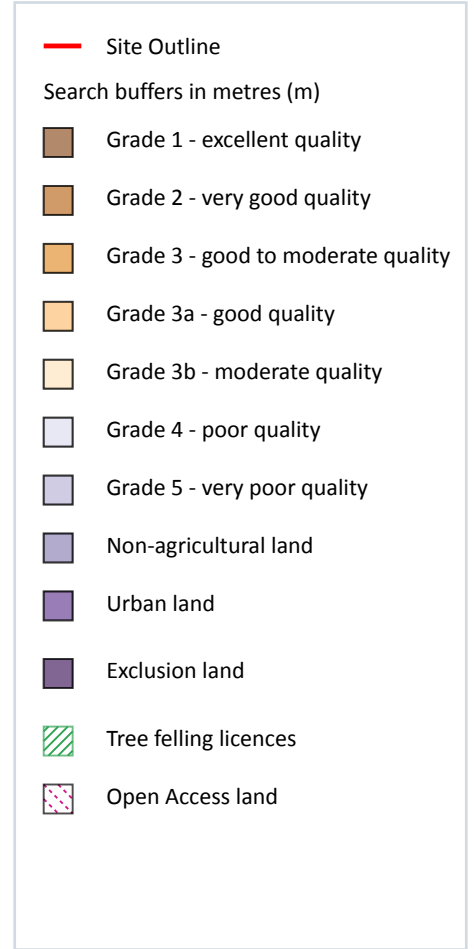
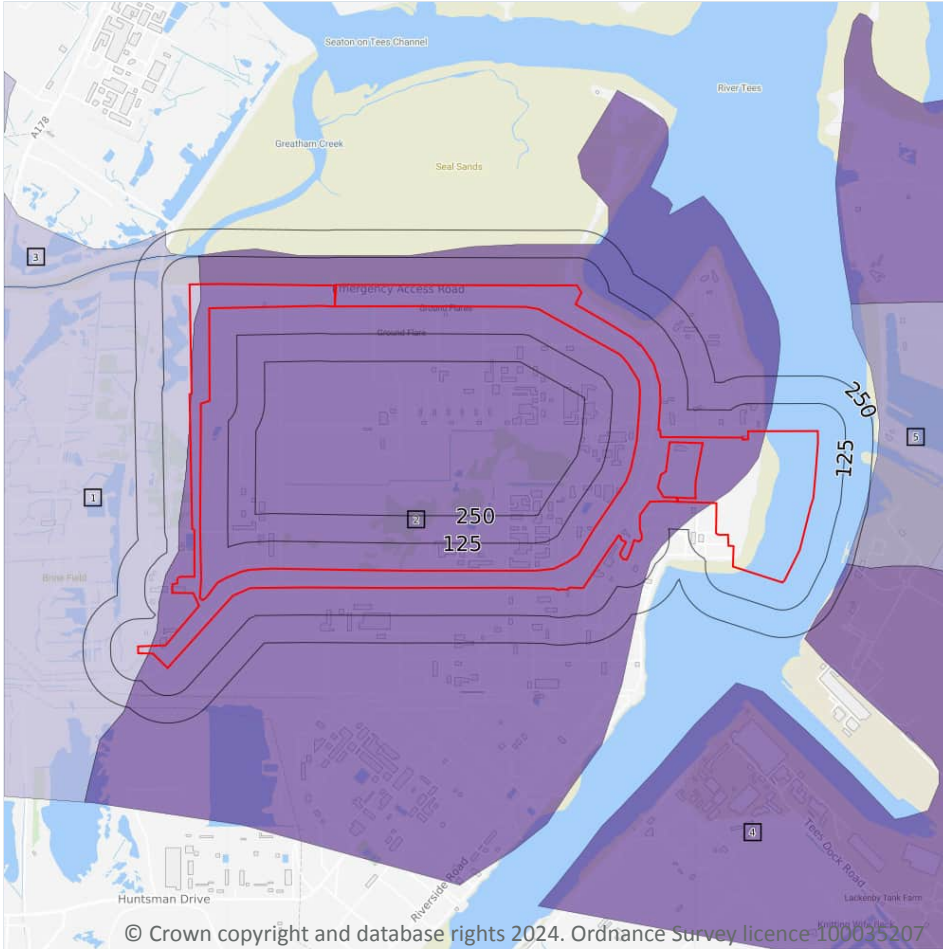
**0**

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

5

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 369](#) >

ID	Location	Classification	Description
1	On site	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.
2	On site	Urban	-

ID	Location	Classification	Description
3	148m NW	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.
4	214m SE	Urban	-
5	221m E	Non Agricultural	-

*This data is sourced from Natural England.*

## 12.2 Open Access Land

**Records within 250m**

**0**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

*This data is sourced from Natural England and Natural Resources Wales.*

## 12.3 Tree Felling Licences

**Records within 250m**

**0**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

**Records within 250m**

**0**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

*This data is sourced from Natural England.*



## 12.5 Countryside Stewardship Schemes

**Records within 250m****1**

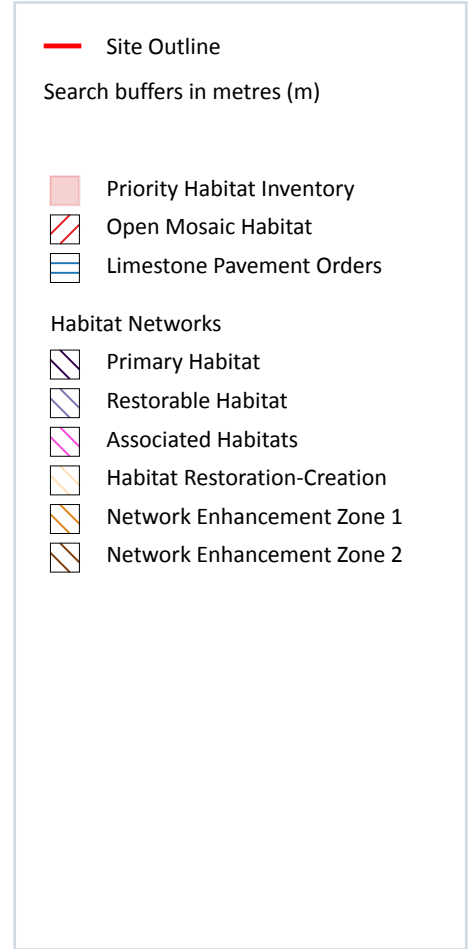
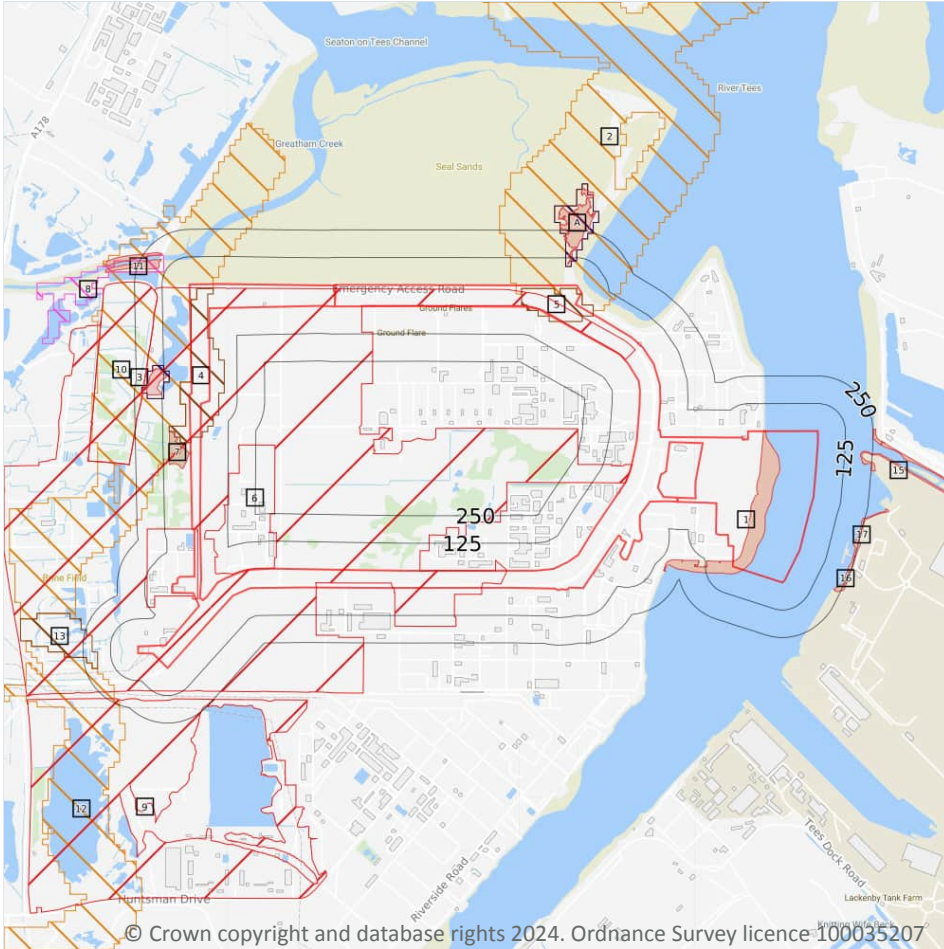
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
62m SW	1425278	Countryside Stewardship (Higher Tier)	01/01/2023	31/12/2027

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

10

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 372 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
7	4m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	97m N	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
B	114m W	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)



ID	Location	Main Habitat	Other habitats
11	160m NW	Mudflats	Main habitat: MUDFL (INV > 50%)
14	185m NW	Mudflats	Main habitat: MUDFL (INV > 50%)
15	197m E	Mudflats	Main habitat: MUDFL (INV > 50%)
16	218m SE	Mudflats	Main habitat: MUDFL (INV > 50%)
17	228m E	No main habitat but additional habitats present	Additional: MUDFL (INV 50%)
18	249m E	Mudflats	Main habitat: MUDFL (INV > 50%)

This data is sourced from Natural England.

## 13.2 Habitat Networks

Records within 250m

9

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 372 >](#)

ID	Location	Type	Habitat
2	On site	Network Enhancement Zone 1	Not specified
3	On site	Network Enhancement Zone 1	Not specified
4	On site	Network Enhancement Zone 2	Not specified
5	On site	Network Enhancement Zone 2	Not specified
A	86m N	Primary Habitat	Saltmarsh
B	100m W	Primary Habitat	Saltmarsh
8	131m NW	Associated Habitats	Other associated habitats
12	180m SW	Network Enhancement Zone 1	Not specified
13	184m SW	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.



### 13.3 Open Mosaic Habitat

Records within 250m

3

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on [page 372 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
6	On site	HLD_refs: EAHLD05489	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-
9	143m SW	NLUD Ref: 73800046	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
10	148m NW	HLD_refs: EAHLD05489	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	OMH Survey 2012

*This data is sourced from Natural England.*

### 13.4 Limestone Pavement Orders

Records within 250m

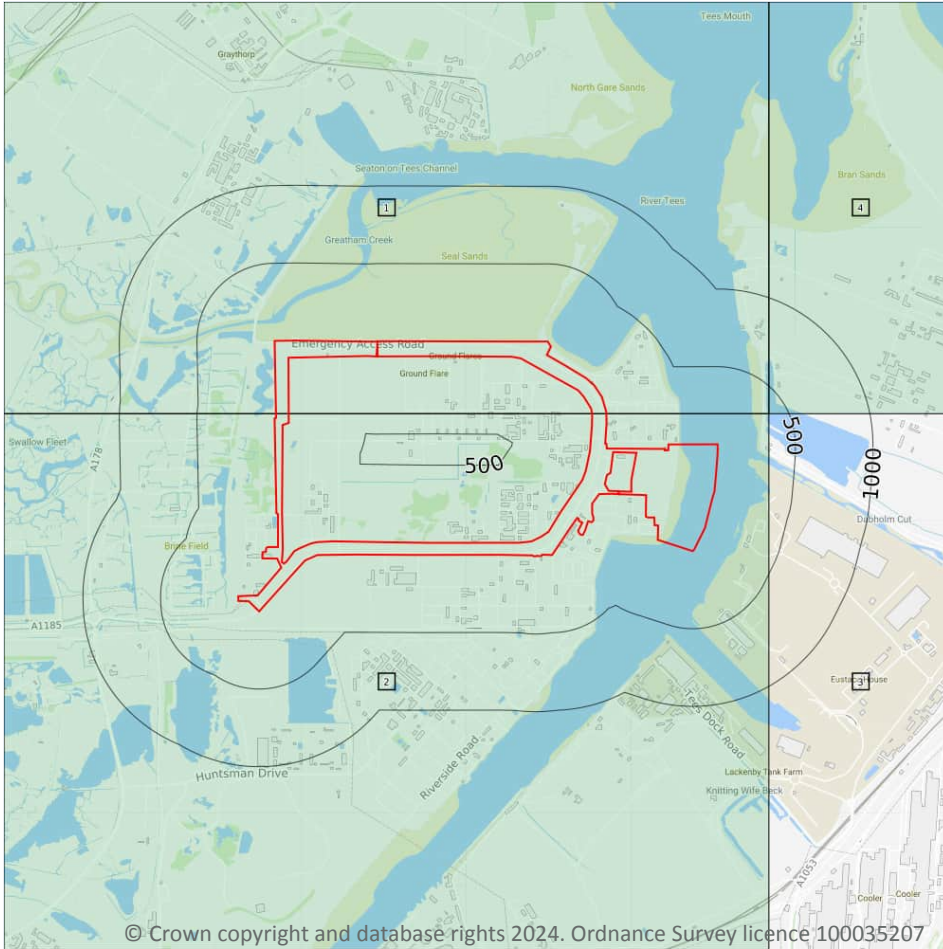
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

Records within 500m

4

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 375](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	NZ52NW
2	On site	Full	Full	Full	No coverage	NZ52SW
3	330m E	No coverage	No coverage	No coverage	No coverage	NoCov
4	385m E	Full	Full	Full	No coverage	NZ52NE



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 1 February 2024



*This data is sourced from the British Geological Survey.*



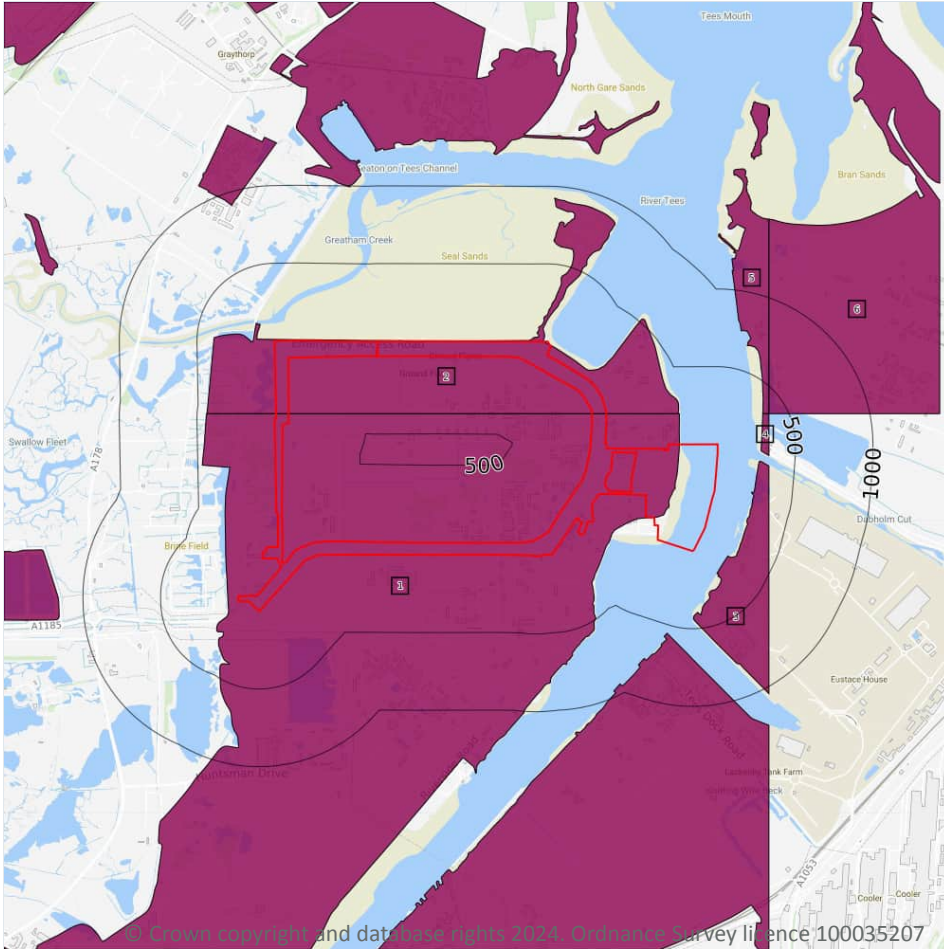
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 1 February 2024

## Geology 1:10,000 scale - Artificial and made ground



**Site Outline**

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

### 14.2 Artificial and made ground (10k)

**Records within 500m** **6**

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 377 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	205m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	280m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

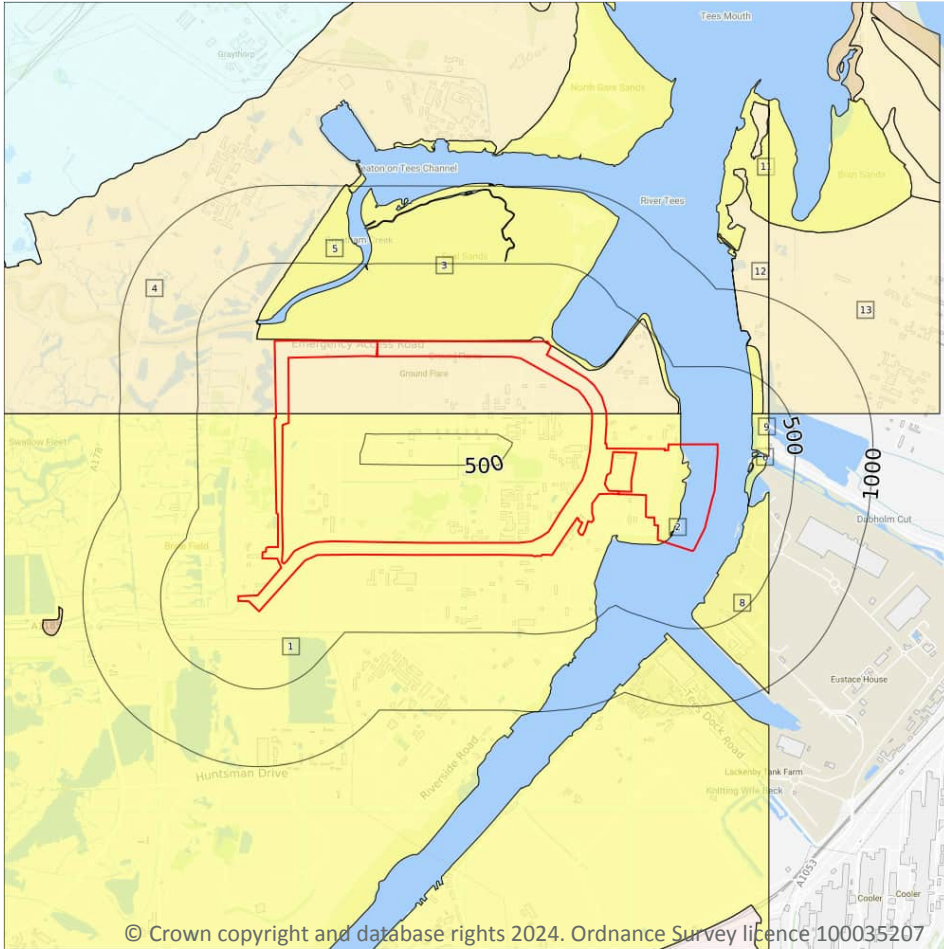


ID	Location	LEX Code	Description	Rock description
5	351m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	385m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

13

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 379](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
2	On site	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
3	On site	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
4	On site	MEA-XSZC	Marine Or Estuarine Alluvium - Sand, Silt And Clay	Sand, Silt And Clay

ID	Location	LEX Code	Description	Rock description
5	143m NW	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
6	193m E	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
7	204m E	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
8	205m SE	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
9	219m E	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
10	223m E	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
11	297m E	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay
12	351m E	MEA-XSZC	Marine Or Estuarine Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
13	385m E	MEA-XSZC	Marine Or Estuarine Alluvium - Sand, Silt And Clay	Sand, Silt And Clay

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

Records within 500m

0

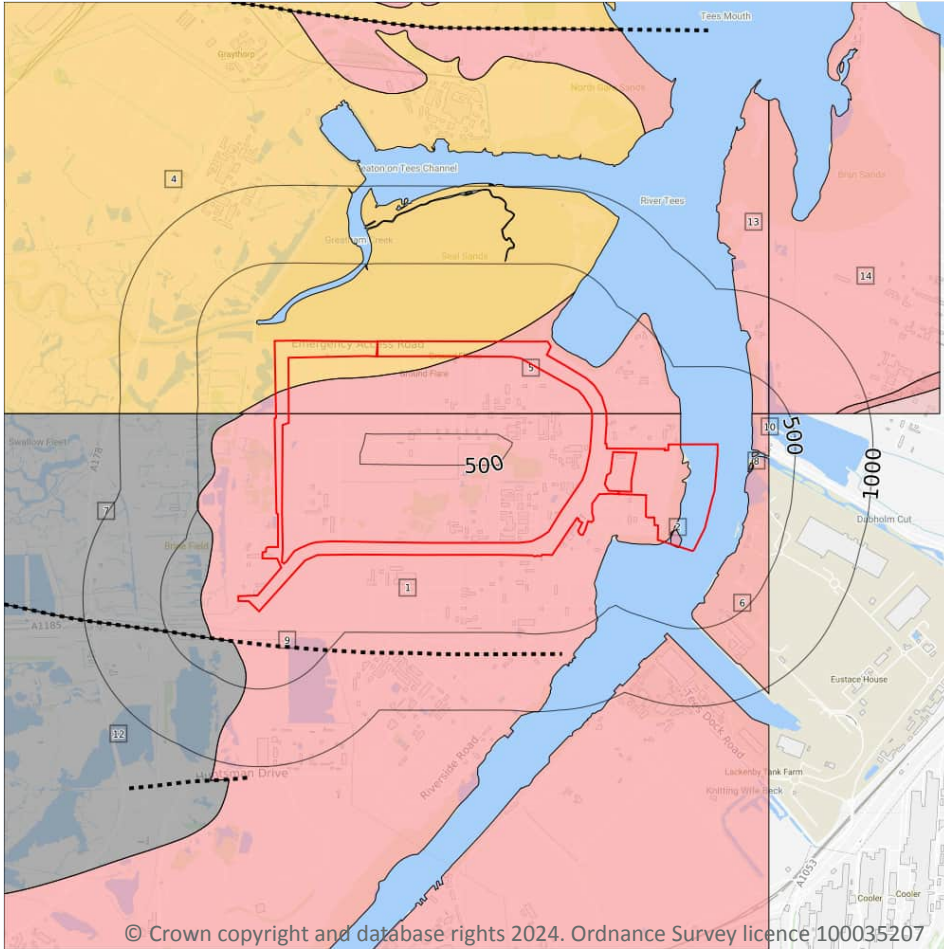
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*





## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- .... Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

13

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 381](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
2	On site	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch

ID	Location	LEX Code	Description	Rock age
3	On site	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
4	On site	SSG-SDST	Sherwood Sandstone Group - Sandstone	Ladinian Age - Late Permian Epoch [Obsolete name]
5	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch
6	193m E	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
7	199m W	SSG-STMD	Sherwood Sandstone Group - Sandstone And Mudstone	Ladinian Age - Late Permian Epoch [Obsolete name]
8	204m E	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
10	219m E	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
11	223m E	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch
12	258m SW	SSG-STMD	Sherwood Sandstone Group - Sandstone And Mudstone	Ladinian Age - Late Permian Epoch [Obsolete name]
13	297m E	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch
14	385m E	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch

This data is sourced from the British Geological Survey.

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

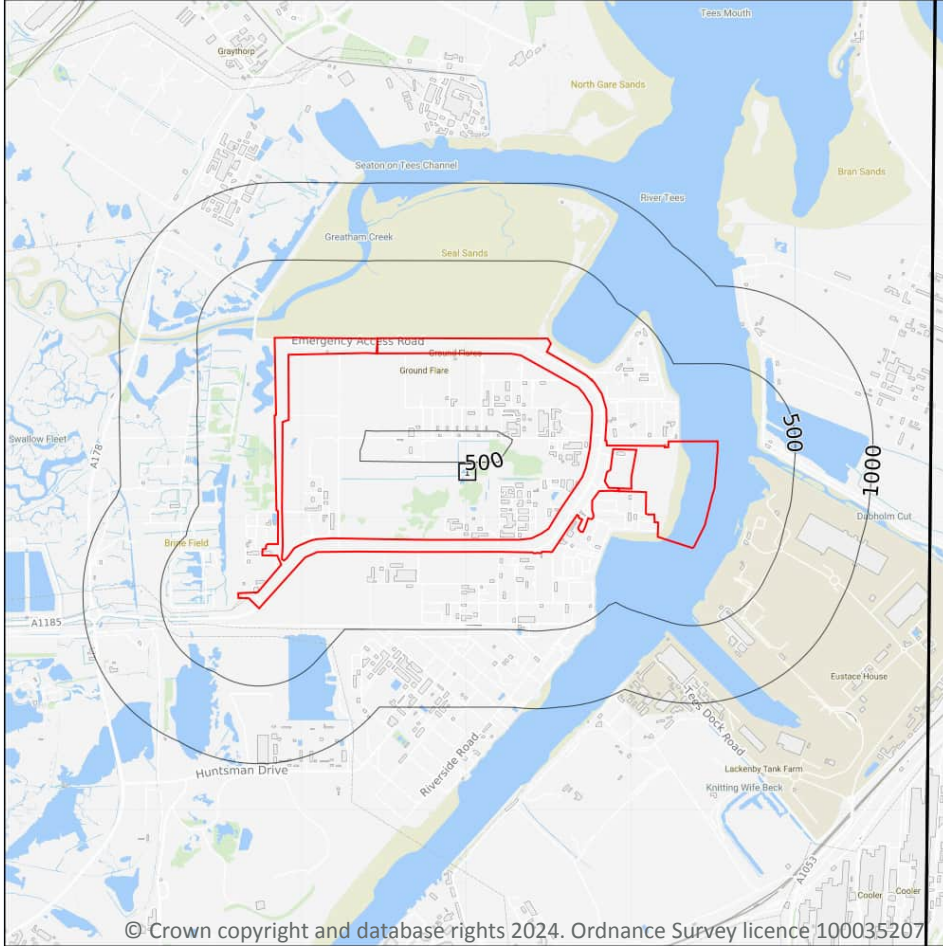
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 381](#) >

ID	Location	Category	Description
9	210m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



## 15 Geology 1:50,000 scale - Availability



**— Site Outline**

Search buffers in metres (m)

---

Geological map tile

### 15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

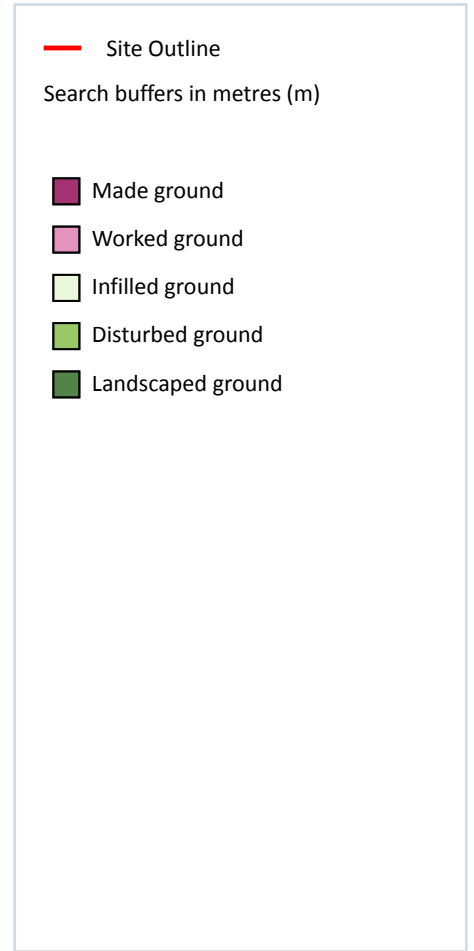
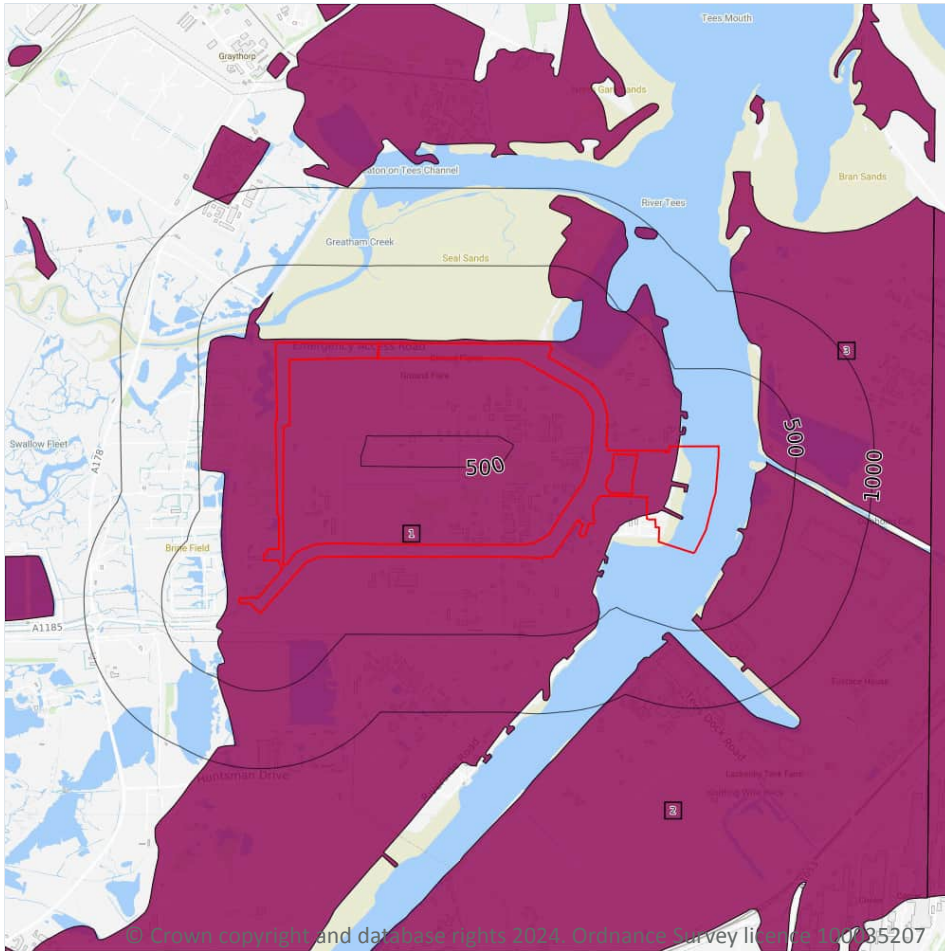
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 383](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW033_stockton_v4

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Artificial and made ground



### 15.2 Artificial and made ground (50k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 384 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	198m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	279m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

### 15.3 Artificial ground permeability (50k)

**Records within 50m****2**

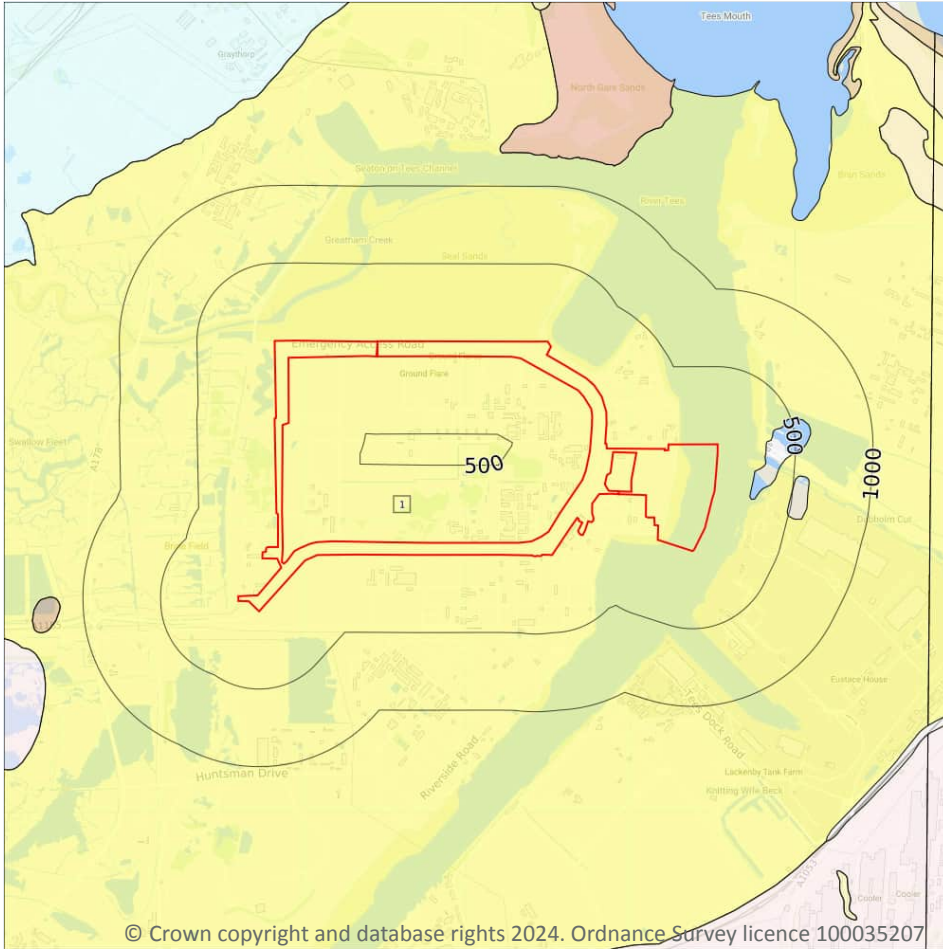
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low
On site	Mixed	Very High	Low

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- ▨ Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

1

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 386](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XSZC	TIDAL FLAT DEPOSITS	SAND, SILT AND CLAY

*This data is sourced from the British Geological Survey.*



## 15.5 Superficial permeability (50k)

**Records within 50m** **2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Low
On site	Intergranular	High	Low

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

**Records within 500m** **0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

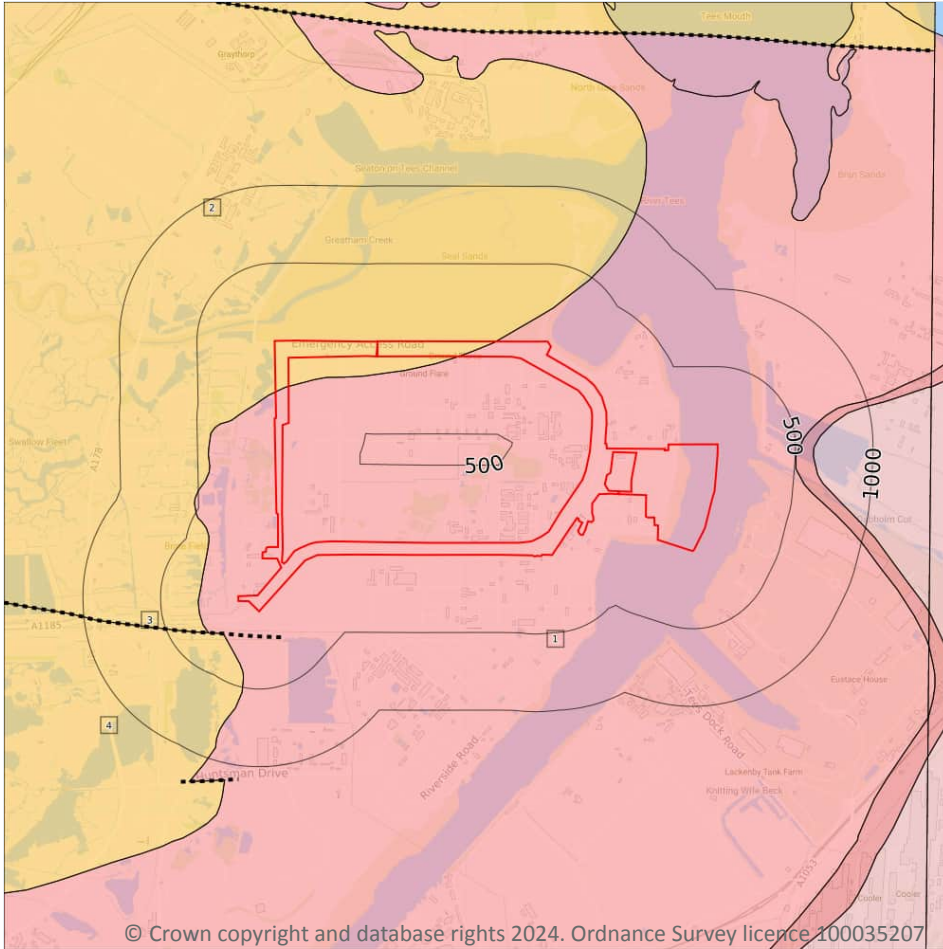
**Records within 50m** **0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

3

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 388](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-
2	On site	SSG-SDST	SHERWOOD SANDSTONE GROUP - SANDSTONE	-
4	232m SW	SSG-SDST	SHERWOOD SANDSTONE GROUP - SANDSTONE	-





*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m**

**3**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	High
On site	Fracture	Low	Low
On site	Fracture	Low	Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m**

**1**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

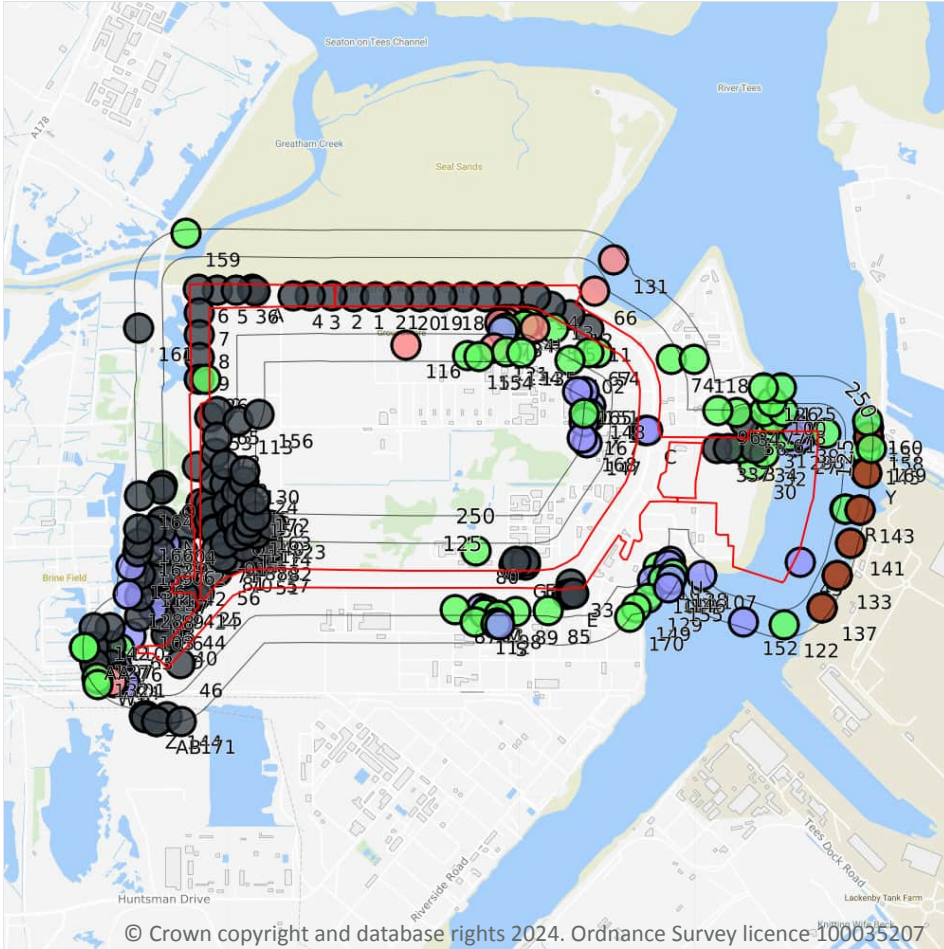
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 388 >](#)

ID	Location	Category	Description
3	161m SW	FAULT	Fault, inferred, displacement unknown

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



— Site Outline  
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

### 16.1 BGS Boreholes

Records within 250m

237

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 390](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	452564 525414	PROJECT GASPORT, TEESIDE GROUND INVESTIGATION TP45	-	Y	N/A
2	On site	452464 525415	PROJECT GASPORT, TEESIDE GROUND INVESTIGATION TP46	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	On site	452364 525416	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP47	-	Y	N/A
4	On site	452286 525417	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP48	-	Y	N/A
5	On site	451945 525442	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP50	-	Y	N/A
6	On site	451857 525445	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP51	-	Y	N/A
7	On site	451861 525338	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP52	-	Y	N/A
8	On site	451861 525238	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP53	-	Y	N/A
9	On site	451860 525138	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP54	-	Y	N/A
10	On site	451860 525039	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP55	-	Y	N/A
11	On site	453631 525266	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP34	-	Y	N/A
12	On site	453546 525331	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP35A	-	Y	N/A
13	On site	453459 525368	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP36	-	Y	N/A
14	On site	453391 525411	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP37	-	Y	N/A
15	On site	453264 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP38	-	Y	N/A
16	On site	453163 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP39	-	Y	N/A
17	On site	453064 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP40	-	Y	N/A
18	On site	452963 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP41	-	Y	N/A
19	On site	452864 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP42	-	Y	N/A
20	On site	452764 525412	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP43	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
21	On site	452664 525413	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP44	-	Y	N/A
22	On site	451836 524402	PHILIPS PETROL SEAL SANDS 3	-	Y	N/A
23	On site	451855 524640	SALTHOLME BRINEFIELD E26	-	Y	N/A
24	On site	451845 524050	SALTHOLME BRINEFIELD E25	-	Y	N/A
25	On site	451863 524068	SALTHOLME BRINEFIELD E27	-	Y	N/A
26	On site	451890 525037	SEAL SANDS, TEESSIDE 8	28.35	N	<a href="#">839726</a> ↗
27	On site	454565 524755	RECLAMATION JETTY - NORTH TEES T150	6.1	N	<a href="#">917500</a> ↗
28	On site	454595 524781	RECLAMATION JETTY - NORTH TEES T154	6.1	N	<a href="#">917503</a> ↗
29	On site	454545 524778	RECLAMATION JETTY - NORTH TEES T152	13.1	N	<a href="#">917501</a> ↗
30	On site	454380 524645	WILTON TIP EXTENSION T269	15.69	N	<a href="#">917496</a> ↗
31	On site	454427 524786	TAR RESIDUALS LTD - SEAL SAND T468	17.67	N	<a href="#">917507</a> ↗
32	On site	454425 524704	WILTON TIP EXTENSION T270	15.54	N	<a href="#">917497</a> ↗
33	On site	453550 524109	CELL SITE 4252 1	-	Y	N/A
34	On site	454384 524722	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION BH8	-	Y	N/A
35	On site	454211 524723	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION BH9	-	Y	N/A
36	On site	452029 525442	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION BH14	-	Y	N/A
37	On site	454262 524724	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP16	-	Y	N/A
A	On site	452101 525445	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP49	-	Y	N/A
A	On site	452116 525438	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION BH13	-	Y	N/A
B	On site	454334 524724	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP15	-	Y	N/A
B	On site	454315 524722	WILTON TIP EXTENSION T271	15.84	N	<a href="#">917498</a> ↗
C	On site	453884 524805	SEAL SANDS CHEMICALS 1	6.0	N	<a href="#">20190187</a> ↗
C	On site	453897 524807	SEAL SANDS CHEMICALS 2	6.0	N	<a href="#">20190188</a> ↗



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38	5m W	451871 524475	SEAL SANDS TEESIDE TP 32	-	Y	N/A
39	7m E	454574 524809	RECLAMATION JETTY - NORTH TEES T153	6.09	N	<a href="#">917502 ↗</a>
40	7m SW	451750 523890	SEAL SANDS SUB STATION 2	-	Y	N/A
D	10m SW	451730 523870	SEAL SANDS SUB STATION 3	-	Y	N/A
41	11m W	451792 524056	SEAL SANDS PHASE II TP47	-	Y	N/A
42	16m W	451792 524157	SEAL SANDS PHASE II TP44	-	Y	N/A
43	22m W	451887 524378	SEAL SANDS TEESIDE TP 8	-	Y	N/A
44	22m SW	451789 523959	SEAL SANDS PHASE II TP50	-	Y	N/A
E	22m S	453533 524062	SEALSANDS SUBSTATION 3	-	Y	N/A
E	25m S	453548 524064	SEALSANDS SUBSTATION 2	-	Y	N/A
F	25m S	453344 524194	FINE ORGANIC S SEAL SANDS 4	-	Y	N/A
E	25m S	453561 524066	SEALSANDS SUBSTATION 1	-	Y	N/A
G	26m S	453289 524195	FINE ORGANICS SEAL SANDS 1	-	Y	N/A
45	27m E	454590 524206	TEES CHANNEL BOREHOLES TC28	9.66	N	<a href="#">917204 ↗</a>
46	30m SW	451774 523745	ICI BOREHOLE NO E 24	-	Y	N/A
D	31m SW	451710 523880	SEAL SANDS SUB STATION 1	-	Y	N/A
47	33m W	451710 524120	SALTHOLME BRINEFIELD NO. 6 SITE BH4	10.0	N	<a href="#">13470199 ↗</a>
48	36m W	451793 524357	SEAL SANDS PHASE II TP38	-	Y	N/A
49	37m E	454707 524791	TEES CHANNEL BOREHOLES TC 30	10.82	N	<a href="#">917206 ↗</a>
50	37m W	451903 524399	SEAL SANDS TEESIDE TP 5	-	Y	N/A
51	38m W	452120 524212	SEAL SANDS TEESIDE TP 19	-	Y	N/A
52	39m W	451905 524475	SEAL SANDS TEESIDE 4	-	Y	N/A
53	40m W	451909 524867	SEAL SANDS TEESIDE 1	-	Y	N/A
54	41m NE	453670 525160	PUMP FOUNDATIONS ISOBUTANE STORAGE SEAL SANDS BH2	25.0	N	<a href="#">16128914 ↗</a>
55	42m N	453470 525270	SEAL SANDS TEESIDE P2A	27.5	N	<a href="#">839866 ↗</a>
56	43m W	451945 524164	SEAL SANDS TEESIDE TP 20	-	Y	N/A
57	44m W	452170 524221	SEAL SANDS TEESIDE 9	-	Y	N/A



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F	44m S	453343 524213	FINE ORGANICS SEAL SANDS 3	-	Y	N/A
G	44m S	453301 524213	FINE ORGANICS SEAL SANDS 2	-	Y	N/A
58	45m E	454336 524843	NO 2 TEES TUNNEL PROJECT BORE NO 1475	-	Y	N/A
59	51m W	451690 524056	SEAL SANDS PHASE II TP46	-	Y	N/A
60	51m W	451917 524436	SALTHOLME BRINEFIELD E28	-	Y	N/A
61	52m E	454469 524854	TAR RESIDUALS LTD - SEAL SAND T470	13.72	N	<a href="#">917509</a> ↗
62	53m W	451787 524255	SEAL SANDS PHASE II TP41	-	Y	N/A
H	56m N	453356 525308	SEAL SANDS TEESIDE P3B	25.0	N	<a href="#">839869</a> ↗
I	56m N	453252 525311	SEAL SANDS TEESIDE P4A	33.8	N	<a href="#">839872</a> ↗
63	56m SW	451550 523870	SALTHOLME BRINEFIELD NO. 6 SITE BH1	10.0	N	<a href="#">13470196</a> ↗
64	57m N	453283 525310	SEAL SANDS TEESIDE P3	35.65	N	<a href="#">839867</a> ↗
65	59m W	451943 524893	SEAL SANDS TEESIDE TP 21	-	Y	N/A
66	59m N	453656 525436	SEAL SANDS H15	31.09	N	<a href="#">839674</a> ↗
67	60m NE	453630 525160	PUMP FOUNDATIONS ISOBUTANE STORAGE SEAL SANDS BH1	25.0	N	<a href="#">16128909</a> ↗
68	63m W	451930 524582	SEAL SANDS TEESIDE TP 28	-	Y	N/A
J	66m W	451931 524357	SEAL SANDS TEESIDE 6	-	Y	N/A
J	66m W	451932 524349	SEAL SANDS TEESIDE TP 9	-	Y	N/A
H	66m N	453361 525296	SEAL SANDS TEESIDE P3A	27.0	N	<a href="#">839868</a> ↗
69	67m W	451935 524700	SEAL SANDS TEESIDE TP 24	-	Y	N/A
K	70m W	451680 524143	SALTHOLME BRINEFIELD E29	-	Y	N/A
K	72m W	451687 524156	SEAL SANDS PHASE II TP43	-	Y	N/A
70	73m W	452001 524222	SEAL SANDS TEESIDE TP 18	-	Y	N/A
I	73m N	453254 525294	SEAL SANDS TEESIDE P4	31.0	N	<a href="#">839871</a> ↗
71	73m W	451941 524262	SEAL SANDS TEESIDE TP 14	-	Y	N/A
72	77m W	451945 524777	SEAL SANDS TEESIDE TP 23	-	Y	N/A
73	77m N	453227 525290	SEAL SANDS TEESIDE P4B	32.5	N	<a href="#">839873</a> ↗
H	81m N	453340 525285	SEAL SANDS TEESIDE P3C	22.5	N	<a href="#">839870</a> ↗



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74	84m NE	454006 525127	SEAL SANDS TEESIDE P21	22.1	N	<a href="#">839887 ↗</a>
75	84m N	453385 525270	SEAL SANDS TEESIDE P2	32.6	N	<a href="#">839865 ↗</a>
76	84m SW	451500 523817	BRINEFIELDS, ICI NORTH TEES 51	17.0	N	<a href="#">917779 ↗</a>
77	89m E	454427 524891	TAR RESIDUALS LTD - SEAL SAND T467	16.45	N	<a href="#">917506 ↗</a>
78	90m E	454514 524892	TAR RESIDUALS LTD - SEAL SAND T473	13.25	N	<a href="#">917511 ↗</a>
79	91m W	452118 524265	SEAL SANDS TEESIDE TP 34	-	Y	N/A
80	91m SW	453119 524260	SEAL SANDS CHEMICAL PL 1	16.1	N	<a href="#">917936 ↗</a>
81	92m W	451968 524229	SEAL SANDS TEESIDE 8	-	Y	N/A
82	94m W	452180 524272	SEAL SANDS TEESIDE TP 17	-	Y	N/A
83	95m S	453140 523996	HAMPSHIRE CHEMICALS SEAL SANDS B	8.0	N	<a href="#">18914632 ↗</a>
84	97m E	454304 524885	I.C.I, NORTH TEES 2	19.0	N	<a href="#">17517185 ↗</a>
L	98m N	453253 525269	SEAL SANDS TEESIDE P4B-1	11.0	N	<a href="#">839874 ↗</a>
85	99m S	453445 523989	12 BORES AT SEAL SANDS	23.0	N	<a href="#">917357 ↗</a>
86	100m SW	451686 523958	SEAL SANDS PHASE II TP49	-	Y	N/A
87	101m SW	453022 523990	12 BORES AT SEAL SANDS	20.87	N	<a href="#">917354 ↗</a>
M	104m S	453166 523987	12 BORES AT SEAL SANDS	15.24	N	<a href="#">917355 ↗</a>
88	105m W	452070 524276	SEAL SANDS TEESIDE TP 16	-	Y	N/A
89	106m S	453298 523985	12 BORES AT SEAL SANDS	15.24	N	<a href="#">917356 ↗</a>
L	108m N	453240 525259	SEAL SANDS TEESIDE P4C	8.53	N	<a href="#">839875 ↗</a>
90	109m W	451976 524565	SEAL SANDS TEESIDE TP 29	-	Y	N/A
91	111m W	451978 524294	SEAL SANDS TEESIDE TP 15	-	Y	N/A
92	112m W	451979 524651	SEAL SANDS TEESIDE TP 26	-	Y	N/A
93	112m W	451650 524000	SALTHOLME BRINEFIELD NO. 6 SITE BH2	10.0	N	<a href="#">13470197 ↗</a>
94	114m SW	451488 523733	BRINEFIELDS, ICI NORTH TEES 57	7.0	N	<a href="#">917780 ↗</a>
M	115m S	453158 523976	HAMPSHIRE CHEMICALS SEAL SANDS 2	16.0	N	<a href="#">18914629 ↗</a>
95	119m W	451985 524472	SEAL SANDS TEESIDE TP 2	-	Y	N/A



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96	120m E	454217 524894	I.C.I, NORTH TEES 1	18.7	N	<a href="#">17517184</a> ↗
97	124m SW	451460 523829	GENERAL CHEMICALS NO 51	-	Y	N/A
98	126m S	453222 523965	TANK FARM/MPP MCC ROOM HAMPSHIRE CHEMICALS 1Y	18.75	N	<a href="#">18914677</a> ↗
N	129m W	451700 524390	BRINEWELL	-	Y	N/A
99	130m W	451710 524290	SALTHOLME BRINEFIELD NO. 6 SITE BH6	10.0	N	<a href="#">13470201</a> ↗
100	132m E	454460 524934	TAR RESIDUALS LTD - SEAL SAND T469	13.41	N	<a href="#">917508</a> ↗
101	132m SW	451462 523744	GENERAL CHEMICALS NO 57	-	Y	N/A
O	133m W	451693 524557	BRINEWELL 170B	-	Y	N/A
102	133m N	453546 525124	SEAL SANDS -TEESSIDE (P1)	27.0	N	<a href="#">839864</a> ↗
103	135m W	451591 523960	SEAL SANDS PHASE II TP48	-	Y	N/A
O	137m W	451689 524539	BRINEWELL B170A	-	Y	N/A
P	138m SW	451500 523685	SEAL SANDS INDUSTRIAL DEVELOPMENT S	30.48	N	<a href="#">917258</a> ↗
N	139m W	451690 524390	BRINEWELL	-	Y	N/A
P	141m SW	451506 523677	SEAL SANDS ACCESS ROAD 19A	30.48	N	<a href="#">918151</a> ↗
104	141m W	451689 524347	SEAL SANDS PHASE II TP37	-	Y	N/A
105	142m SE	453945 524187	TEES STORAGE - SEALS SANDS T479	14.94	N	<a href="#">917483</a> ↗
106	144m W	451685 524256	SEAL SANDS PHASE II TP40	-	Y	N/A
Q	144m W	452010 524399	SEAL SANDS TEESIDE TP 6	-	Y	N/A
107	147m SE	454144 524145	TEES STORAGE - SEALS SANDS T239	3.5	N	<a href="#">917491</a> ↗
P	148m SW	451518 523662	SEAL SANDS INDUSTRIAL DEVELOPMENT T	4.89	N	<a href="#">917259</a> ↗
108	149m W	451591 524053	SEAL SANDS PHASE II TP45	-	Y	N/A
P	150m SW	451527 523656	SEAL SANDS ACCESS ROAD 20	4.87	N	<a href="#">918149</a> ↗
109	151m SE	453921 524125	TEES STORAGE - SEALS SANDS T477	7.02	N	<a href="#">917482</a> ↗
110	152m W	451458 523910	GENERAL CHEMICALS NO 46	-	Y	N/A
R	153m E	454794 524449	SHELL RINFINERY FRONTAGE T147	8.11	N	<a href="#">917464</a> ↗
111	154m W	451593 524152	SEAL SANDS PHASE II TP42	-	Y	N/A





ID	Location	Grid reference	Name	Length	Confidential	Web link
112	154m S	453116 523937	HAMPSHIRE CHEMICALS SEAL SANDS 1	16.0	N	<a href="#">18914627 ↗</a>
R	156m E	454798 524450	TEES CHANNEL BOREHOLES TC 29	10.91	N	<a href="#">917205 ↗</a>
S	159m S	453211 523932	TANK FARM/MPP MCC ROOM HAMPSHIRE CHEMICALS 1E/TANK	4.25	N	<a href="#">18914678 ↗</a>
113	159m W	452039 524849	PHILLIPS PETROL SEAL SANDS1	-	Y	N/A
T	160m W	452046 524327	SEAL SANDS TEESIDE TP 33	-	Y	N/A
Q	160m W	452026 524401	PHILIPS PETROL SEAL SANDS 2	-	Y	N/A
114	161m W	452122 524336	SEAL SANDS TEESIDE TP 12	-	Y	N/A
T	162m W	452043 524328	SEAL SANDS TEESIDE TP 13	-	Y	N/A
115	163m W	452029 524527	SEAL SANDS TEESIDE TP 1	-	Y	N/A
S	164m S	453209 523927	TANK FARM/MPP MCC ROOM HAMPSHIRE CHEMICALS 1X	19.25	N	<a href="#">18914675 ↗</a>
U	166m SE	454002 524211	TEES STORAGE - SEALS SANDS T241	7.92	N	<a href="#">917493 ↗</a>
U	168m SE	453991 524195	TEES STORAGE - SEALS SANDS T480	7.31	N	<a href="#">917484 ↗</a>
S	170m S	453224 523921	HAMPSHIRE CHEMICALS SEAL SANDS A	8.0	N	<a href="#">18914630 ↗</a>
V	173m SW	451474 523661	SEAL SANDS ACCESS ROAD 19	30.48	N	<a href="#">918147 ↗</a>
116	176m NW	452801 525194	SEAL SANDS TEESSIDE P14	36.9	N	<a href="#">839886 ↗</a>
V	177m SW	451464 523664	SEAL SANDS INDUSTRIAL DEVELOPMENT R	30.48	N	<a href="#">917257 ↗</a>
117	178m W	452083 524351	SEAL SANDS TEESIDE 7	-	Y	N/A
118	181m NE	454108 525127	SEAL SANDS TEESSIDE P22	21.3	N	<a href="#">839888 ↗</a>
119	187m SE	453967 524131	TEES STORAGE - SEALS SANDS T242	10.67	N	<a href="#">917494 ↗</a>
120	189m W	451641 524353	SEAL SANDS PHASE II TP52	-	Y	N/A
121	189m N	453198 525179	SEAL SANDS, TEESIDE 3	31.4	N	<a href="#">839723 ↗</a>
122	193m SE	454517 523923	TEES CHANNEL BOREHOLES TC 27	10.08	N	<a href="#">917203 ↗</a>
123	195m W	452188 524373	SEAL SANDS TEESIDE TP 11	-	Y	N/A
124	195m W	452062 524574	SEAL SANDS TEESIDE TP 30	-	Y	N/A
125	196m E	454505 524998	TAR RESIDUALS LTD - SEAL SAND T471	11.43	N	<a href="#">917510 ↗</a>
126	196m E	454424 524998	TAR RESIDUALS LTD - SEAL SAND T466	19.8	N	<a href="#">917505 ↗</a>



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127	198m SW	451386 523826	GENERAL CHEMICALS NO 50	-	Y	N/A
128	199m W	451540 524060	SALTHOLME BRINEFIELD NO. 6 SITE BH3	10.0	N	<a href="#">13470198</a> ↗
129	200m SE	453898 524043	TEES STORAGE - SEALS SANDS T476	10.67	N	<a href="#">917481</a> ↗
130	201m W	452068 524622	SEAL SANDS TEESIDE 3	-	Y	N/A
131	202m NE	453743 525578	SEAL SANDS H16	40.84	N	<a href="#">839675</a> ↗
W	203m SW	451403 523703	SEAL SANDS INDUSTRIAL DEVELOPMENT P	30.48	N	<a href="#">917255</a> ↗
132	203m SW	451387 523745	GENERAL CHEMICALS NO 56	-	Y	N/A
133	205m E	454758 524146	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917156</a> ↗
134	205m N	453255 525162	SEAL SANDS TEESIDE P6	27.7	N	<a href="#">839881</a> ↗
135	207m N	453326 525160	SEAL SANDS TEESIDE P7	22.0	N	<a href="#">839883</a> ↗
136	207m W	451550 524190	SALTHOLME BRINEFIELD NO. 6 SITE BH5	10.0	N	<a href="#">13470200</a> ↗
137	211m SE	454691 524002	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917157</a> ↗
138	212m SE	454012 524155	TEES STORAGE - SEALS SANDS T238	14.93	N	<a href="#">917490</a> ↗
139	214m W	451584 524253	SEAL SANDS PHASE II TP39	-	Y	N/A
140	214m W	452090 524387	SEAL SANDS TEESIDE TP 10	-	Y	N/A
141	215m E	454817 524295	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917155</a> ↗
142	215m W	451386 523910	GENERAL CHEMICALS NO 45	-	Y	N/A
W	217m SW	451402 523677	SEAL SANDS ACCESS ROAD 17	30.48	N	<a href="#">918145</a> ↗
W	217m SW	451397 523684	SEAL SANDS INDUSTRIAL DEVELOPMENT Q	27.73	N	<a href="#">917256</a> ↗
X	218m NE	453638 524869	SEAL SANDS TEESIDE P26	10.4	N	<a href="#">917723</a> ↗
143	218m E	454861 524445	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917154</a> ↗
144	220m SW	451717 523507	PROJECT THOR, SEAL SANDS, TEESIDE TP19	-	Y	N/A
145	220m E	454888 524711	SHELL REFINERY T281	15.2	N	<a href="#">917514</a> ↗
146	221m SE	454004 524129	TEES STORAGE - SEALS SANDS T240	7.01	N	<a href="#">917492</a> ↗
147	221m E	453620 524750	SEAL SANDS CHEMICAL PLANT EXTENSION 1	5.0	N	<a href="#">16098609</a> ↗
148	222m NE	453638 524917	SEAL SANDS TEESIDE P20	5.1	N	<a href="#">917721</a> ↗
149	222m SE	453845 524001	TEES STORAGE - SEALS SANDS T475	13.42	N	<a href="#">917480</a> ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
150	224m W	452090 524470	SEAL SANDS TEESIDE TP 3	-	Y	N/A
151	224m NE	453611 524983	SEAL SANDS TEESIDE P25	5.0	N	<a href="#">917722</a> ↗
152	224m SE	454331 523937	RIVER TEES T359	3.96	N	<a href="#">917476</a> ↗
153	224m NW	453079 525144	SEAL SANDS TEESIDE P5	30.0	N	<a href="#">839876</a> ↗
X	225m NE	453632 524884	SEAL SANDS ETP 1	15.0	N	<a href="#">918156</a> ↗
154	227m NW	453130 525141	SEAL SANDS TEESIDE P5B	25.55	N	<a href="#">839878</a> ↗
Y	228m E	454889 524618	SHELL REFINERY T287	14.78	N	<a href="#">917517</a> ↗
155	229m SE	453991 524089	TEES STORAGE - SEALS SANDS T481	8.83	N	<a href="#">917485</a> ↗
156	231m W	452131 524877	SEAL SANDS TEESIDE TP 22	-	Y	N/A
157	232m E	454901 524817	SHELL RINFINERY FRONTAGE T139	8.84	N	<a href="#">917462</a> ↗
Y	232m E	454892 524610	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917153</a> ↗
158	232m E	454902 524774	RECLAMATION OF TEES FOUSHORE	-1.0	N	<a href="#">917152</a> ↗
159	232m NW	451800 525700	SEAL SANDS, TEES (T9)	10.36	N	<a href="#">917742</a> ↗
160	232m E	454898 524847	WILTON TIP EXTENSION T260	10.97	N	<a href="#">917521</a> ↗
W	233m SW	451399 523653	SEAL SANDS ACCESS ROAD 18	27.73	N	<a href="#">918146</a> ↗
161	233m W	451588 525271	ICI GC 116	-	Y	N/A
162	236m W	451588 524292	SEAL SANDS PHASE II TP36A	-	Y	N/A
163	237m W	452122 524412	SEAL SANDS TEESIDE TP 7	-	Y	N/A
164	237m W	451589 524510	BRINEWELL B169B	-	Y	N/A
Z	239m SW	451619 523509	PROJECT THOR, SEAL SANDS, TEESIDE TP17A	-	Y	N/A
165	240m NE	453578 524983	SEAL SANDS TEESIDE P17	10.0	N	<a href="#">917718</a> ↗
AA	241m SW	451343 523821	BRINEFIELDS, ICI NORTH TEES 49A	12.0	N	<a href="#">917778</a> ↗
AA	241m SW	451343 523821	BRINEFIELDS, ICI NORTH TEES 49	14.0	N	<a href="#">917777</a> ↗
166	241m W	451588 524357	SEAL SANDS PHASE II TP51	-	Y	N/A
Z	242m SW	451612 523510	PROJECT THOR, SEAL SANDS, TEESIDE TP17	-	Y	N/A
167	243m NE	453611 524845	SEAL SANDS TEESIDE P27	6.6	N	<a href="#">917724</a> ↗
168	245m E	453600 524770	SEAL SANDS CHEMICAL PLANT EXTENSION 2	5.0	N	<a href="#">16098610</a> ↗
Z	246m SW	451616 523503	PROJECT THOR, SEAL SANDS, TEESIDE TP17D	-	Y	N/A

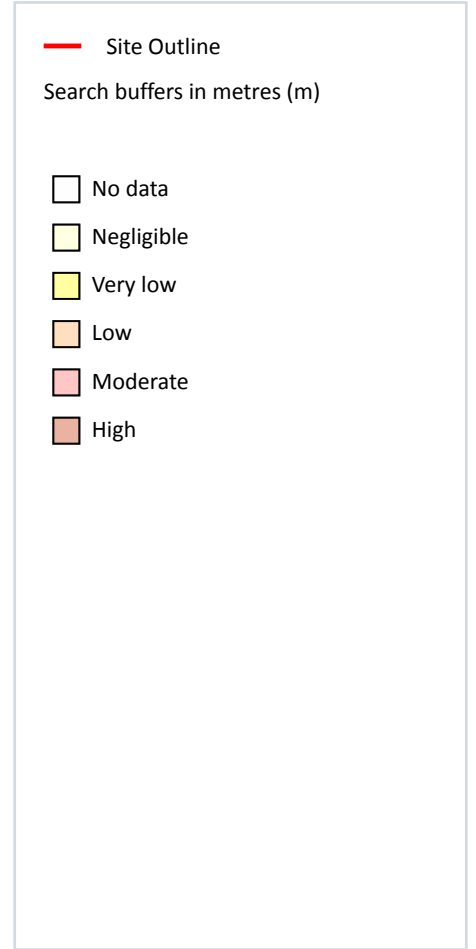
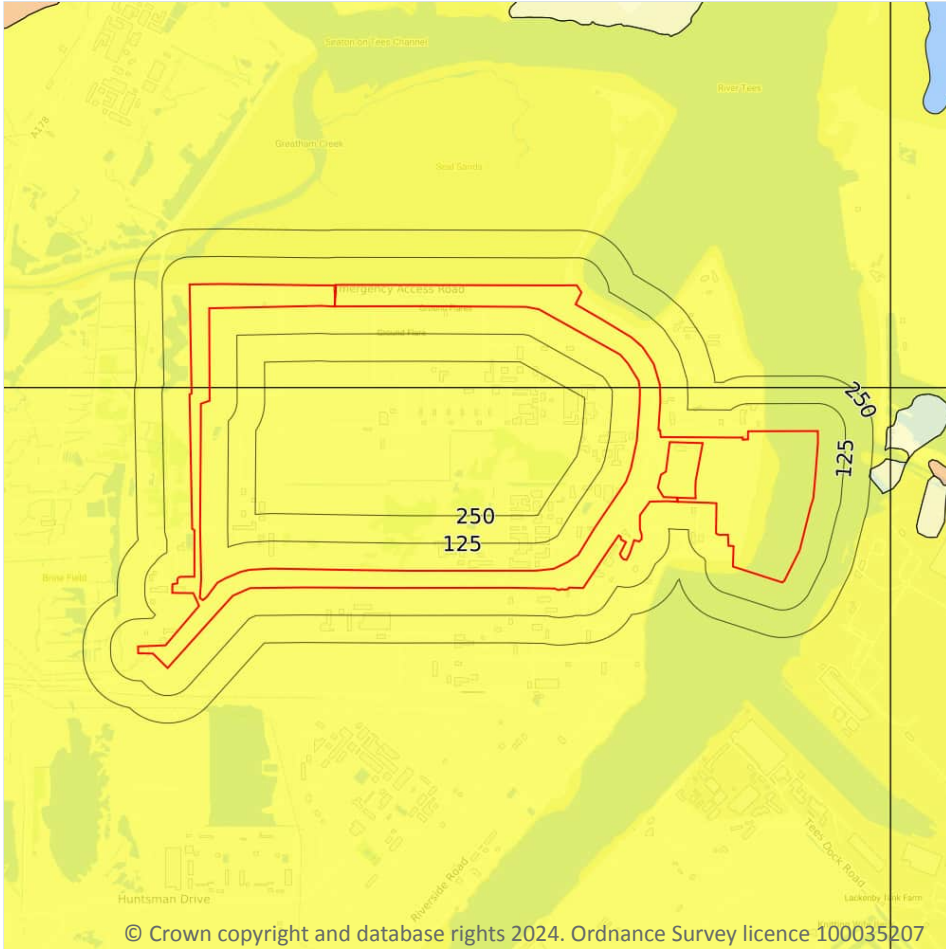


ID	Location	Grid reference	Name	Length	Confidential	Web link
169	246m E	454915 524722	SHELL REFINERY T280	16.61	N	<a href="#">917513 ↗</a>
X	247m NE	453610 524884	SEAL SANDS ETP 2	15.0	N	<a href="#">20303748 ↗</a>
AB	247m SW	451668 523485	PROJECT THOR, SEAL SANDS, TEESSIDE BH13	-	Y	N/A
AB	247m SW	451667 523485	PROJECT THOR, SEAL SANDS, TEESSIDE BH13A	-	Y	N/A
170	249m SE	453814 523956	TEES STORAGE - SEALS SANDS T474	14.6	N	<a href="#">917479 ↗</a>
171	249m SW	451779 523486	PROJECT THOR, SEAL SANDS, TEESSIDE BH14	-	Y	N/A
172	249m W	452115 524491	SEAL SANDS TEESSIDE TP 31	-	Y	N/A

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

1

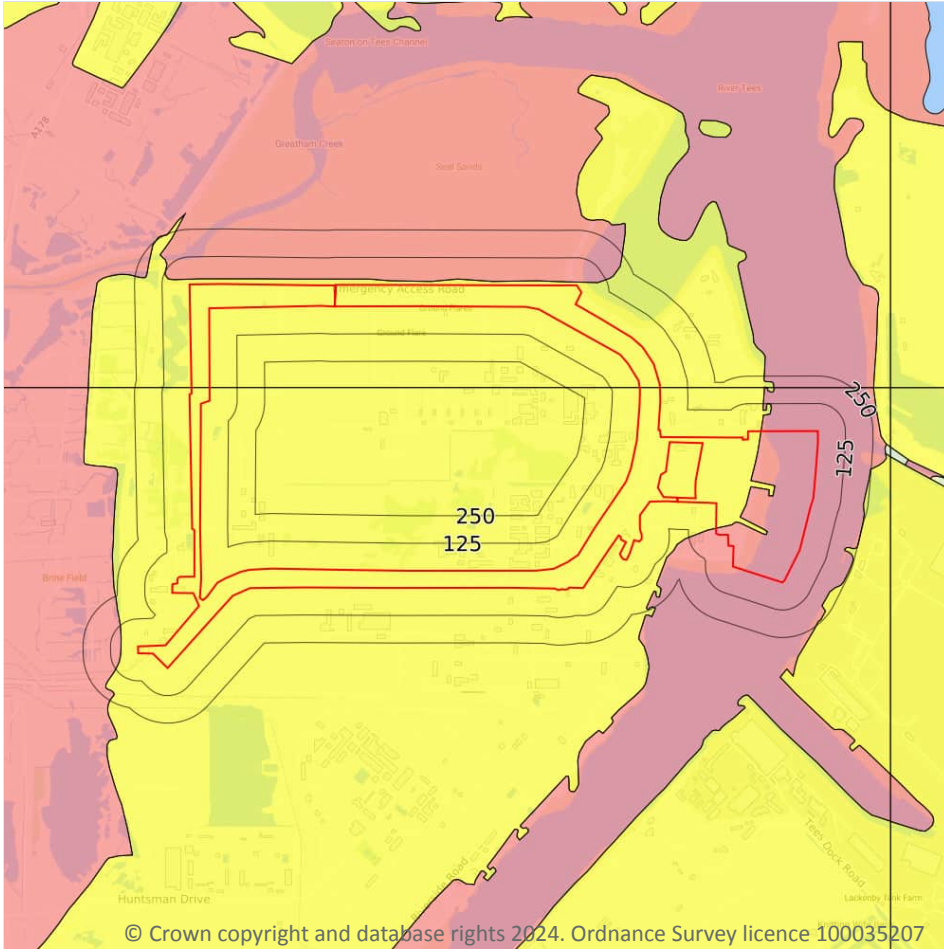
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 401](#) >

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.2 Running sands

Records within 50m

3

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 402](#) >

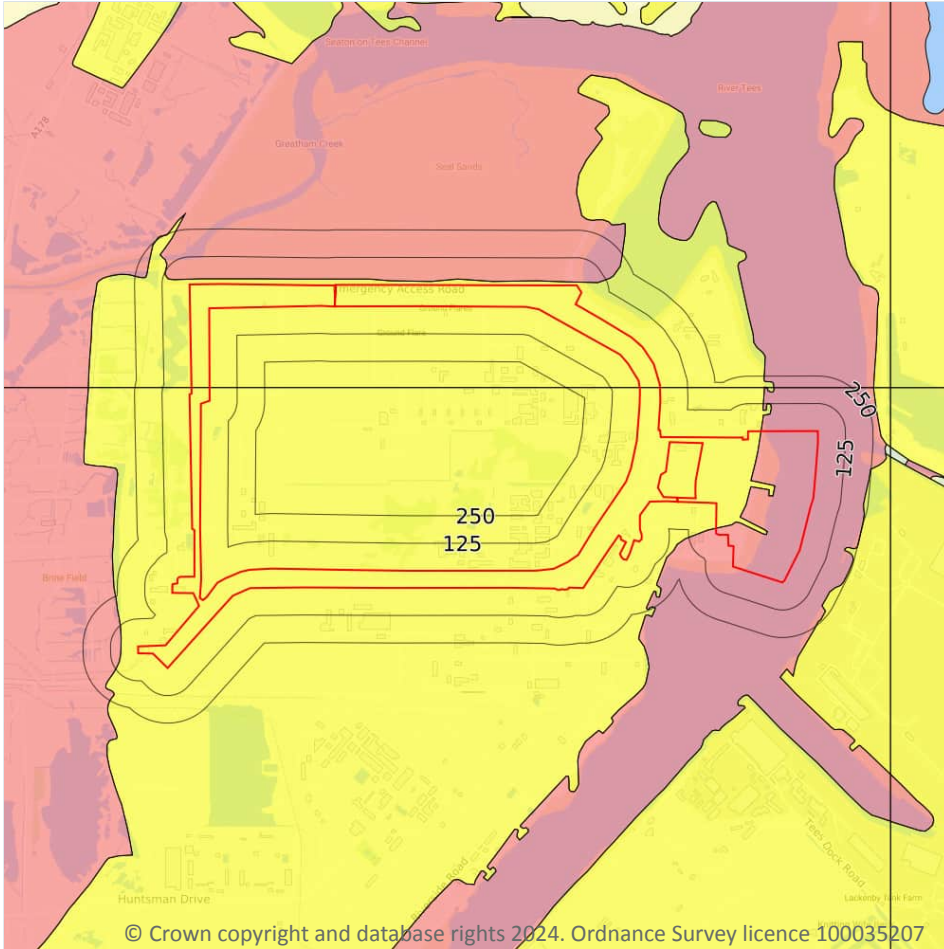
Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

Location	Hazard rating	Details
On site	Moderate	<b>Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.</b>
15m N	Moderate	Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.3 Compressible deposits

Records within 50m

3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 404](#) >

Location	Hazard rating	Details
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

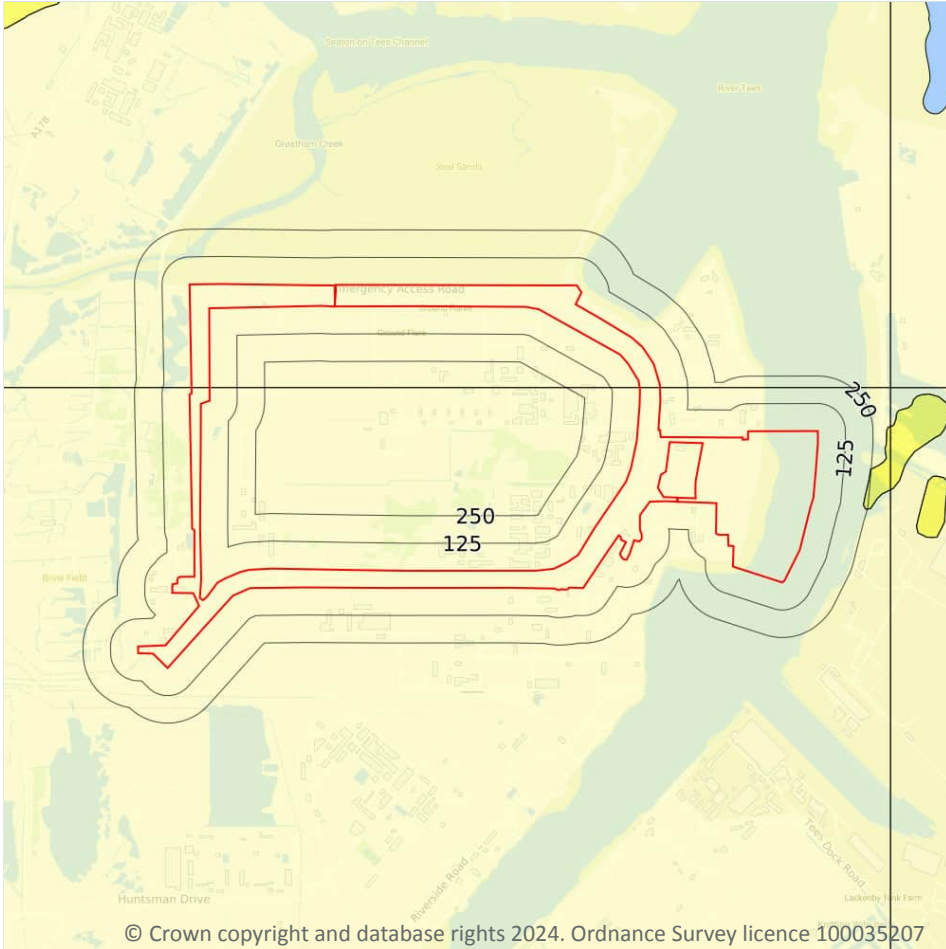


Location	Hazard rating	Details
On site	Moderate	<b>Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.</b>
15m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 406 >](#)

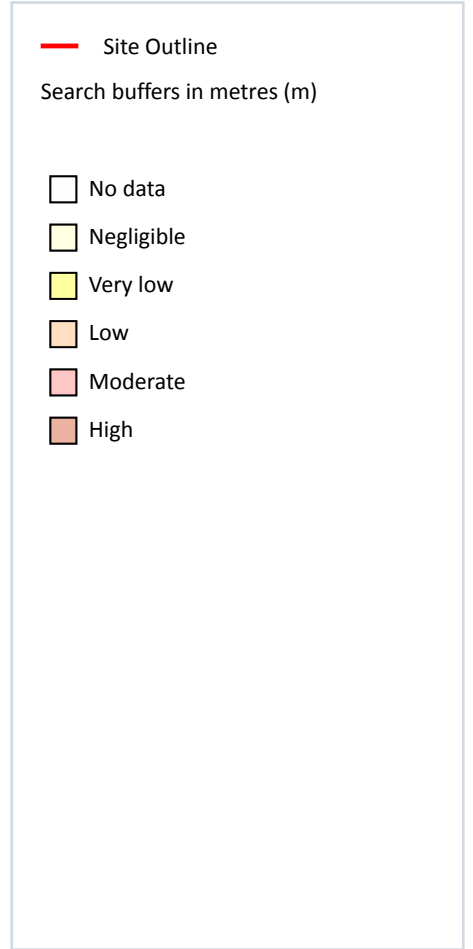
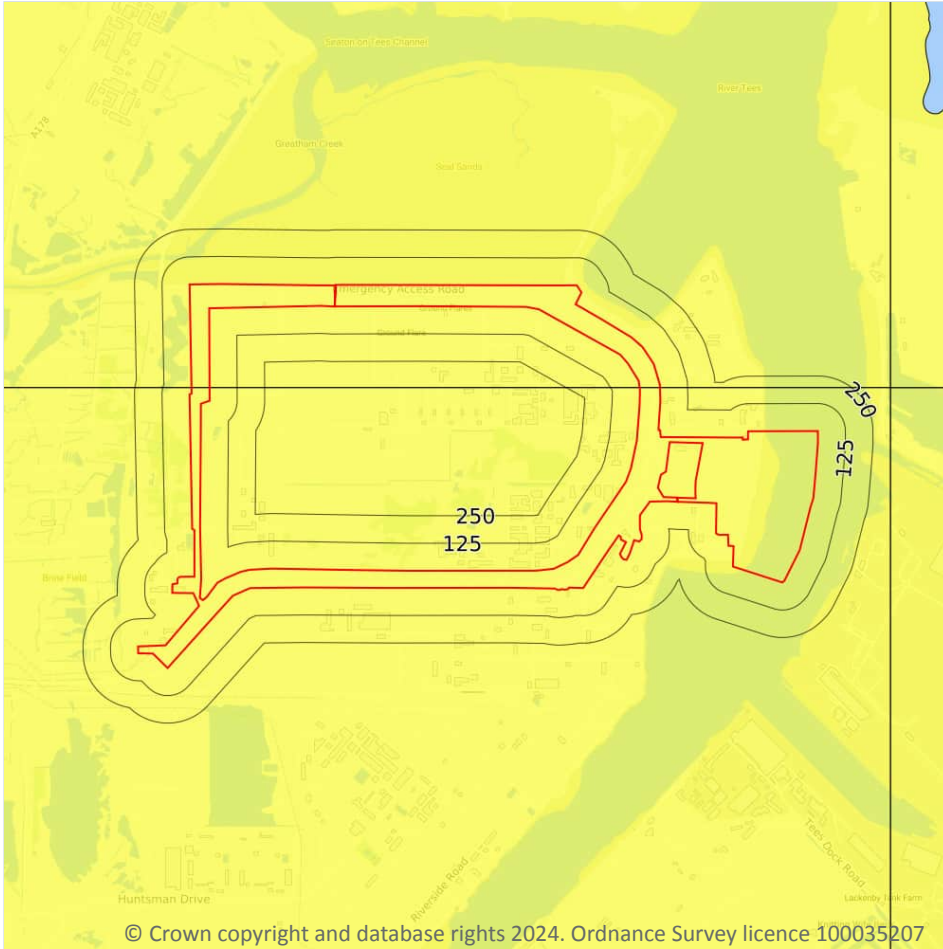
Location	Hazard rating	Details
----------	---------------	---------

On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
---------	------------	---

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Landslides



### 17.5 Landslides

#### Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

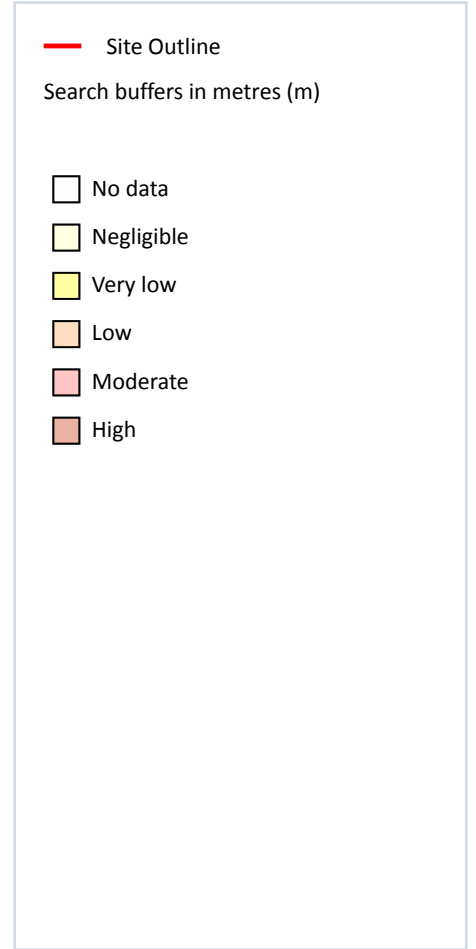
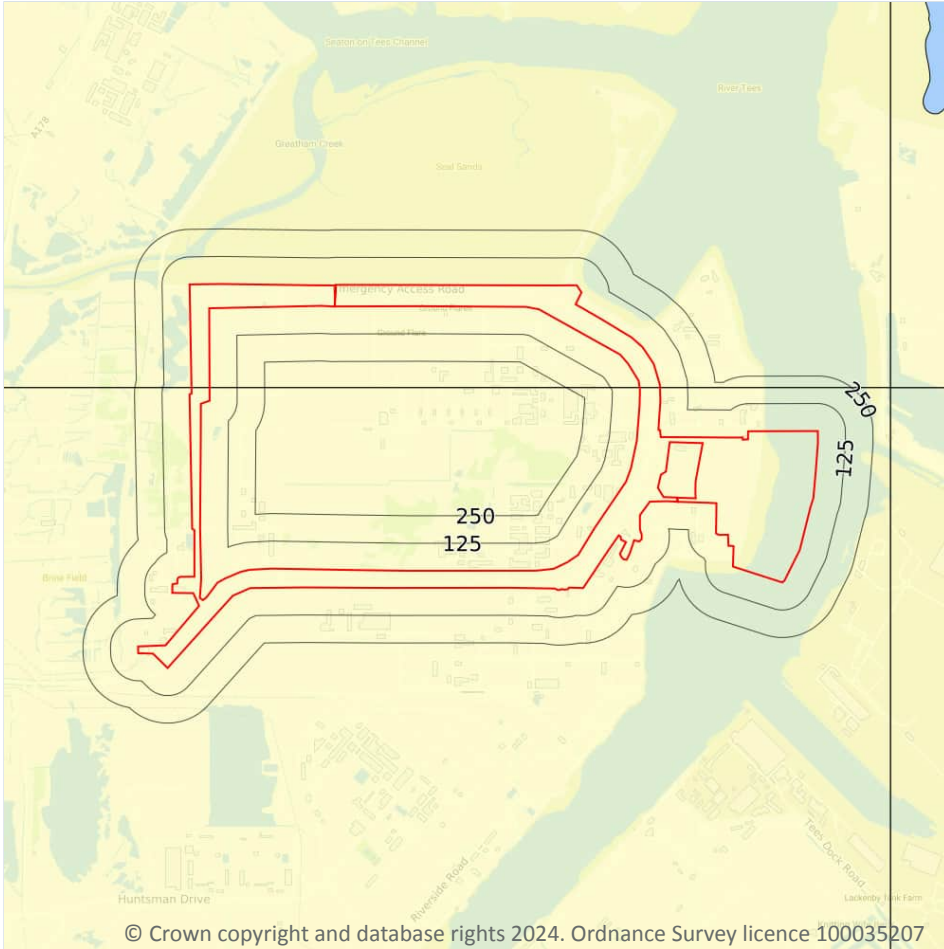
Features are displayed on the Natural ground subsidence - Landslides map on [page 407](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 408 >](#)

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*This data is sourced from the British Geological Survey.*



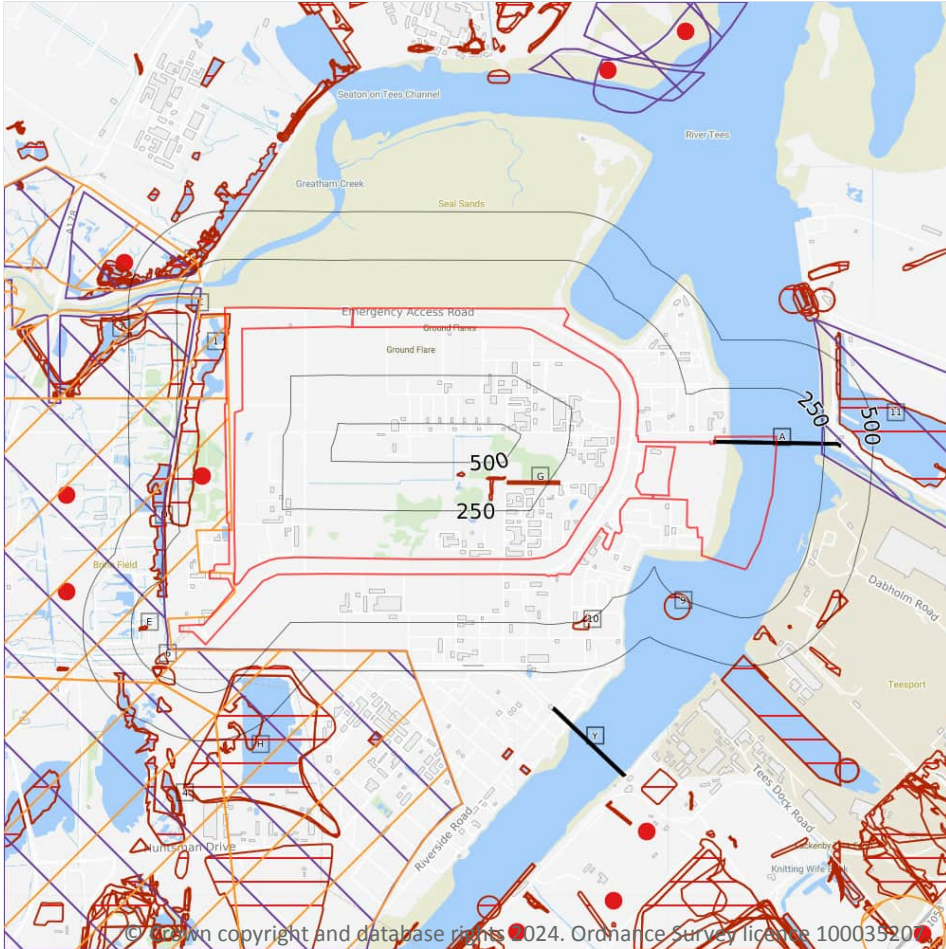
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 1 February 2024

## 18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 BritPits

Records within 500m

1

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 410](#) >



ID	Location	Details	Description
5	124m W	Name: Seal Sands Brinefield Address: MIDDLESBROUGH, North Yorkshire Commodity: Salt Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission

This data is sourced from the British Geological Survey.

## 18.2 Surface ground workings

<b>Records within 250m</b>	<b>27</b>
----------------------------	-----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 410](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
<b>1</b>	<b>On site</b>	<b>Water Body</b>	<b>1994</b>	<b>1:10000</b>
B	134m W	Ponds	1992	1:10000
B	134m W	Ponds	1988	1:10000
6	138m SW	Pond	1955	1:10560
C	142m NW	Unspecified Pit	1920	1:10560
C	142m NW	Unspecified Pit	1927	1:10560
D	164m W	Pond	1992	1:10000
D	164m W	Pond	1988	1:10000
E	167m SW	Pond	1992	1:10000
E	167m SW	Pond	1988	1:10000
7	179m NW	Water Body	1954	1:10560
F	196m SW	Pond	1897	1:10560
G	200m SE	Water Body	1992	1:10000
G	200m SE	Water Body	1988	1:10000
H	211m SW	Water Body	1955	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
F	211m SW	Pond	1950	1:10560
F	212m SW	Pond	1955	1:10560
H	223m SW	Pond	1992	1:10000
H	223m SW	Pond	1988	1:10000
9	226m SE	Pond	1955	1:10560
10	228m S	Unspecified Pits	1992	1:10000
I	240m NW	Water Body	1950	1:10560
I	240m NW	Water Body	1914	1:10560
I	240m NW	Water Body	1896	1:10560
I	247m NW	Water Body	1923	1:10560
J	248m NW	Water Body	1994	1:10000
I	249m NW	Water Bodies	1954	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*

### 18.3 Underground workings

**Records within 1000m**

**4**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 410 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
<b>A</b>	<b>On site</b>	<b>Tunnel</b>	<b>1992</b>	<b>1:10000</b>
<b>A</b>	<b>On site</b>	<b>Tunnel</b>	<b>1988</b>	<b>1:10000</b>
Y	682m S	Tunnel	1992	1:10000
Y	682m S	Tunnel	1988	1:10000

*This is data is sourced from Ordnance Survey/Groundsure.*





## 18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

*This data is sourced from Groundsure.*

## 18.5 Historical Mineral Planning Areas

Records within 500m

3

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 410 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
4	23m SW	Cassel Works	Salt (brine)	Surface mineral working	Application	Not available
11	237m E	Wilton Works	Not available	Surface mineral working	Valid	Not available
12	245m NW	Greatham Creek	Salt	Working is wholly underground	Valid	4/7/66

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

Records within 1000m

4

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 410 >](#)

ID	Location	Name	Commodity	Class	Likelihood
2	On site	Saltholme Brinefield	Salt - brine	C	<b>Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.</b>



ID	Location	Name	Commodity	Class	Likelihood
3	On site	Saltholme Brinefield	Salt - brine	C	<b>Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.</b>
8	182m NW	Saltholme Brinefield	Salt - brine	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
13	284m SW	Haverton Hill and Salthome	Salt - brine	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.

*This data is sourced from the British Geological Survey.*

## 18.7 JPB mining areas

**Records on site**

**0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

**Records within 500m**

**0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

**Records within 500m**

**0**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.



*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

**Records within 500m**

**0**

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

**Records within 500m**

**0**

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.12 Coal mining

**Records on site**

**0**

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

**Records on site**

**0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.14 Gypsum areas

**Records on site**

**0**

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*



## 18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

Records on site

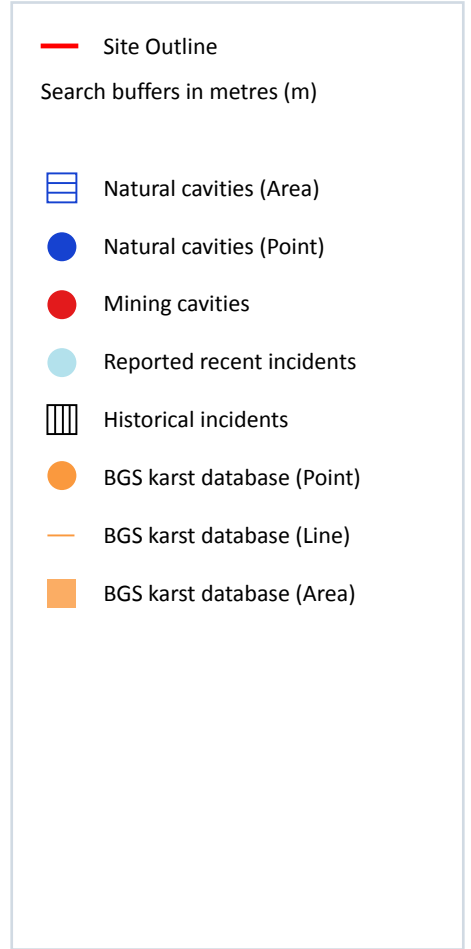
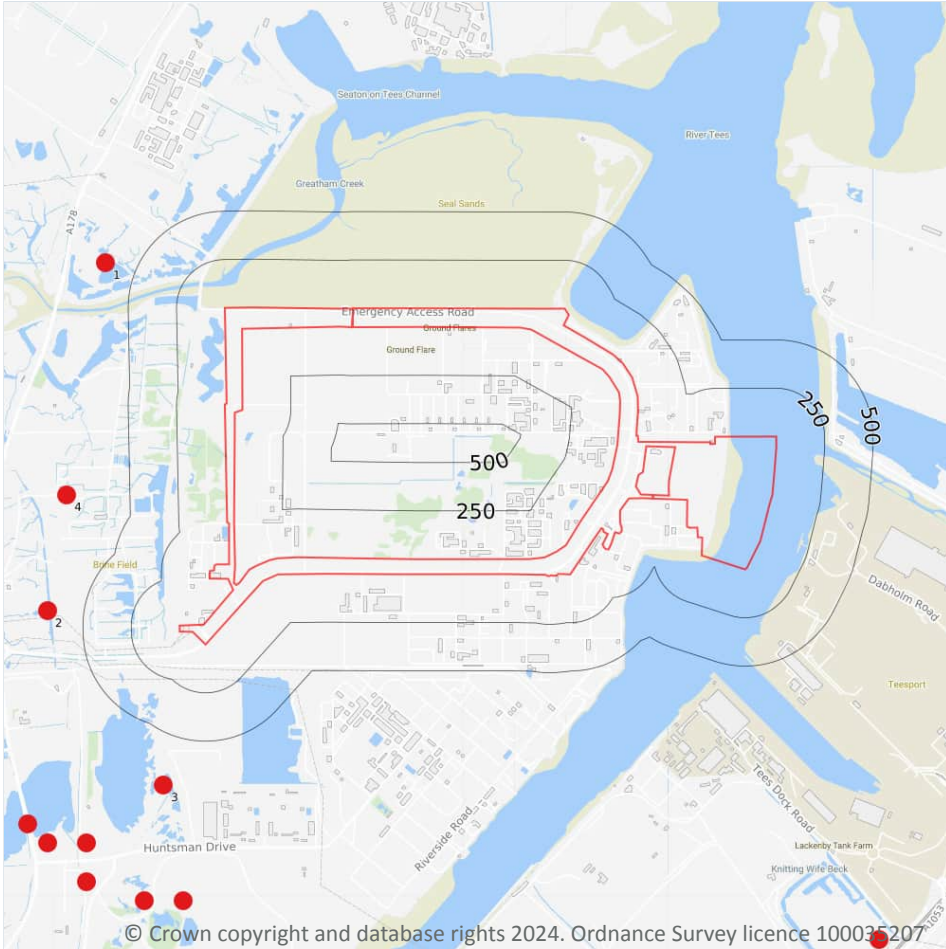
0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*



## 19 Ground cavities and sinkholes



### 19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

## 19.2 Mining cavities

Records within 1000m

4

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

Features are displayed on the Ground cavities and sinkholes map on [page 417 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
1	660m NW	Seal Sands, Cleveland	Brine, Rock Salt, Salt, Halite	MINERIAL PLANNING RIGHTS APPLICATION RECORDS.	UNPUBLISHED
2	688m W	Brine Well, Cleveland	Brine, Rock Salt, Salt, Halite	REPORT ON ABANDONED MINERIAL WORKINGS AND POSSIBLE SURFACE INSTABILITY PROBLEMS	COUNTY OF CLEVELAND
3	759m SW	Brine Well, Cleveland	Brine, Rock Salt, Salt, Halite	REPORT ON ABANDONED MINERIAL WORKINGS AND POSSIBLE SURFACE INSTABILITY PROBLEMS	COUNTY OF CLEVELAND
4	827m W	Seal Sands Brine, Cleveland	Brine, Rock Salt, Salt, Halite	DIRECTORY OF MINES AND QUARRIES	BRITISH GEOLOGICAL SURVEY

*This data is sourced from Stantec UK Ltd.*

## 19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

*This data is sourced from Groundsure.*

## 19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most



commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

*This data is sourced from Groundsure.*

## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

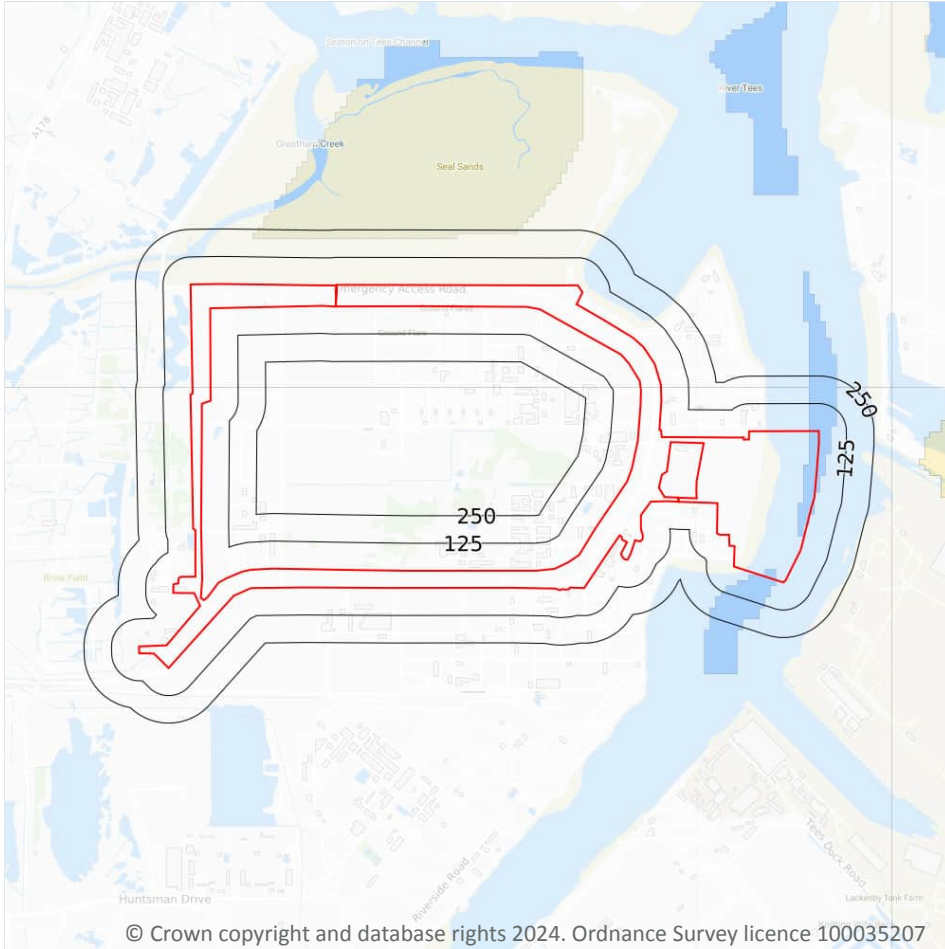
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

*This data is sourced from the British Geological Survey.*



## 20 Radon



— Site Outline  
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

### 20.1 Radon

#### Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 420 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None





*This data is sourced from the British Geological Survey and UK Health Security Agency.*



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 1 February 2024

## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

39

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
1m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
1m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
27m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
27m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
30m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
34m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m N	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
36m N	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m NE	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

## 21.2 BGS Estimated Urban Soil Chemistry

**Records within 50m**

**0**

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*

## 21.3 BGS Measured Urban Soil Chemistry

**Records within 50m**

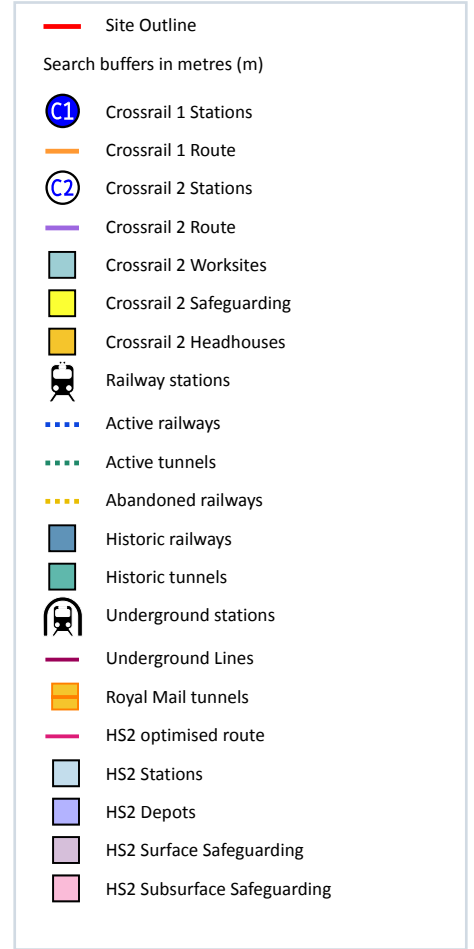
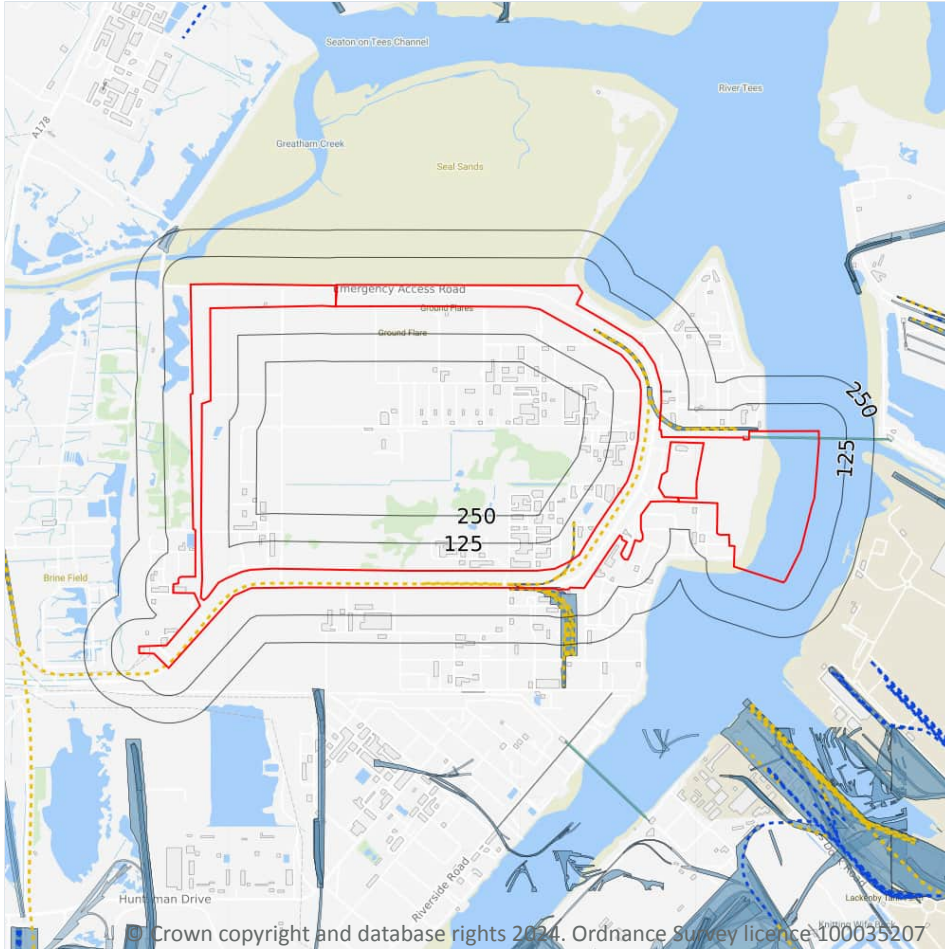
**0**

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



### 22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

## 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

## 22.4 Historical railway and tunnel features

Records within 250m

28

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 425 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Pipe Tunnel	1993	1250
On site	Pipe Tunnel	1984	1250
On site	Pipe Tunnel	1989	1250
On site	Tunnel	1992	10000
On site	Tunnel	1988	10000
On site	Railway Sidings	1979	1250
On site	Railway Sidings	1997	1250
On site	Railway Sidings	1987	2500
On site	Railway Sidings	1989	1250
On site	Railway Sidings	1993	1250
On site	Railway Sidings	1984	2500
On site	Railway Sidings	1984	-
On site	Railway Sidings	1992	10000
On site	Railway Sidings	1988	10000
3m S	Railway Sidings	1997	1250
5m NE	Railway Sidings	1994	1250
5m E	Railway Sidings	1993	1250



Location	Land Use	Year of mapping	Mapping scale
5m E	Railway Sidings	1984	1250
9m S	Railway Sidings	1997	1250
11m S	Railway Sidings	1979	1250
11m S	Railway Sidings	1984	1250
11m S	Railway Sidings	1989	1250
81m S	Railway Sidings	1993	1250
81m S	Railway Sidings	1983	1250
81m S	Railway Sidings	1974	1250
178m NW	Railway Sidings	1896	10560
199m NW	Railway Sidings	1897	2500
245m NW	Railway Sidings	1916	2500

*This data is sourced from Ordnance Survey/Groundsure.*

## 22.5 Royal Mail tunnels

**Records within 250m**

**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

**Records within 250m**

**18**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on [page 425 >](#)

Location	Description
On site	Abandoned
On site	Abandoned



Location	Description
On site	Disused
On site	Disused
On site	Disused
On site	Disused
On site	Disused
On site	Disused
On site	Disused
5m S	Abandoned
6m S	Abandoned
13m S	Abandoned
19m S	Abandoned
22m S	Abandoned
36m E	Disused
69m S	Abandoned
92m S	Abandoned
172m S	Abandoned
197m S	Abandoned

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

**Records within 250m**

**0**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

**Records within 500m**

**0**

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*





## 22.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 22.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*



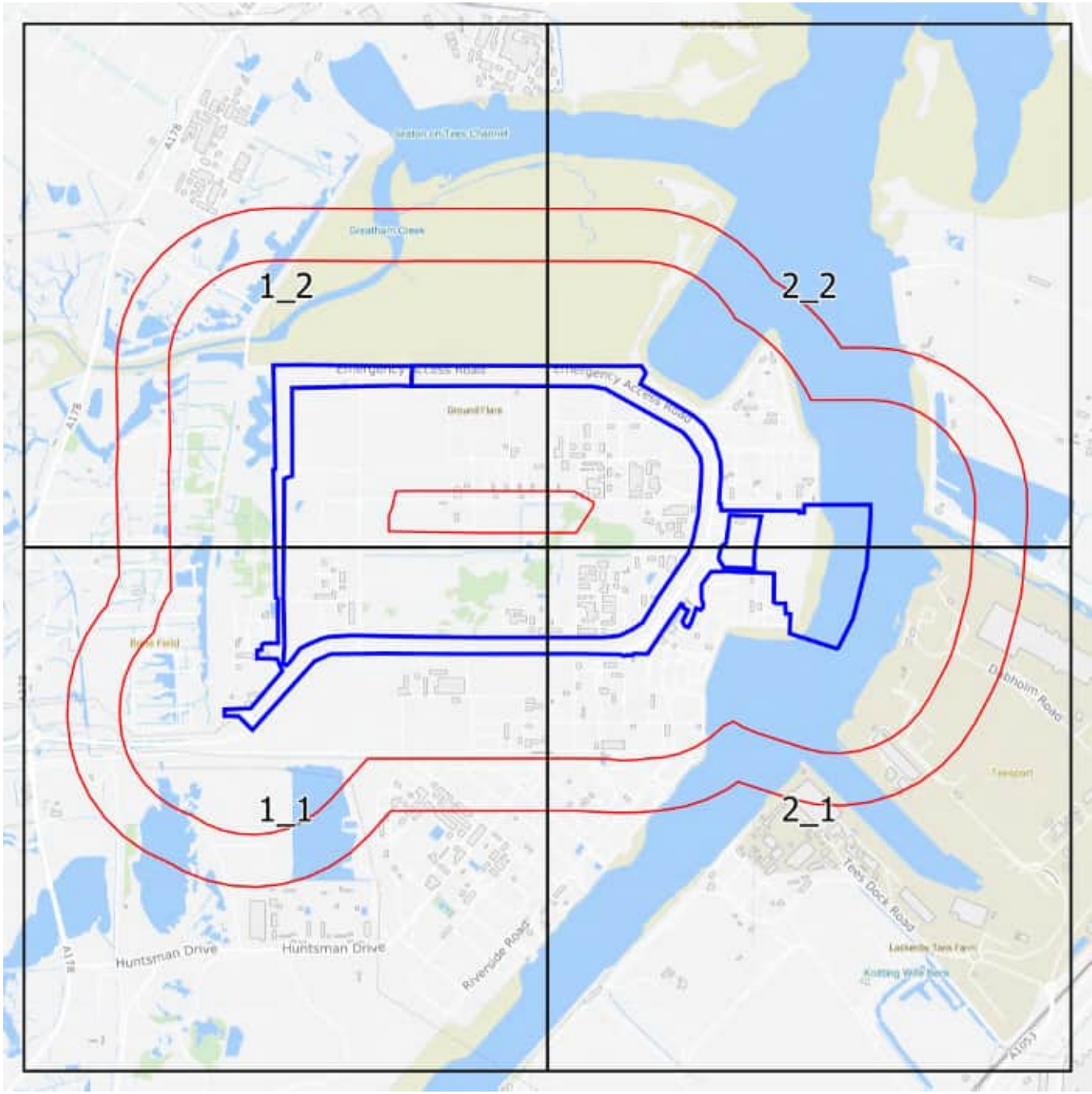
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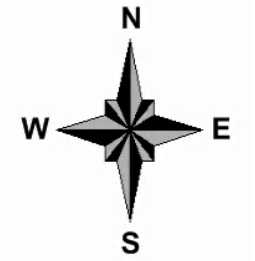
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Small Scale Grid Index



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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_1  
**Grid Ref:** 451877, 523348

**Map Name:** County Series

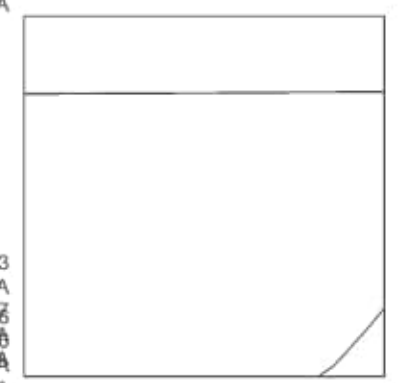
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**Printed at:** 1:10,560



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 Edition N/A  
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 Levelled N/A



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 Edition 1856  
 Copyright N/A  
 Levelled N/A  
 Copyright N/A  
 Levelled N/A

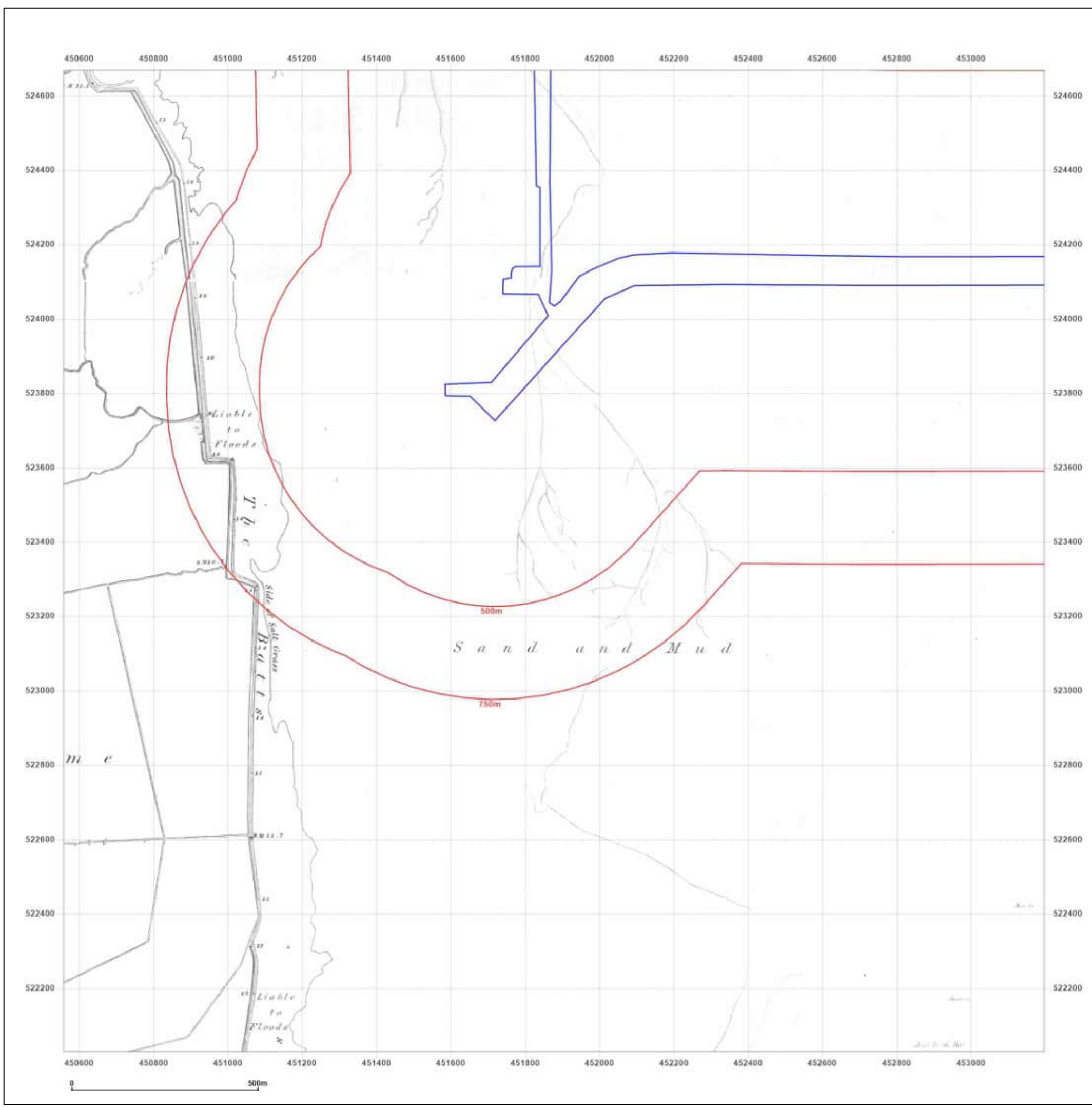


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**Map Name:** County Series

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 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

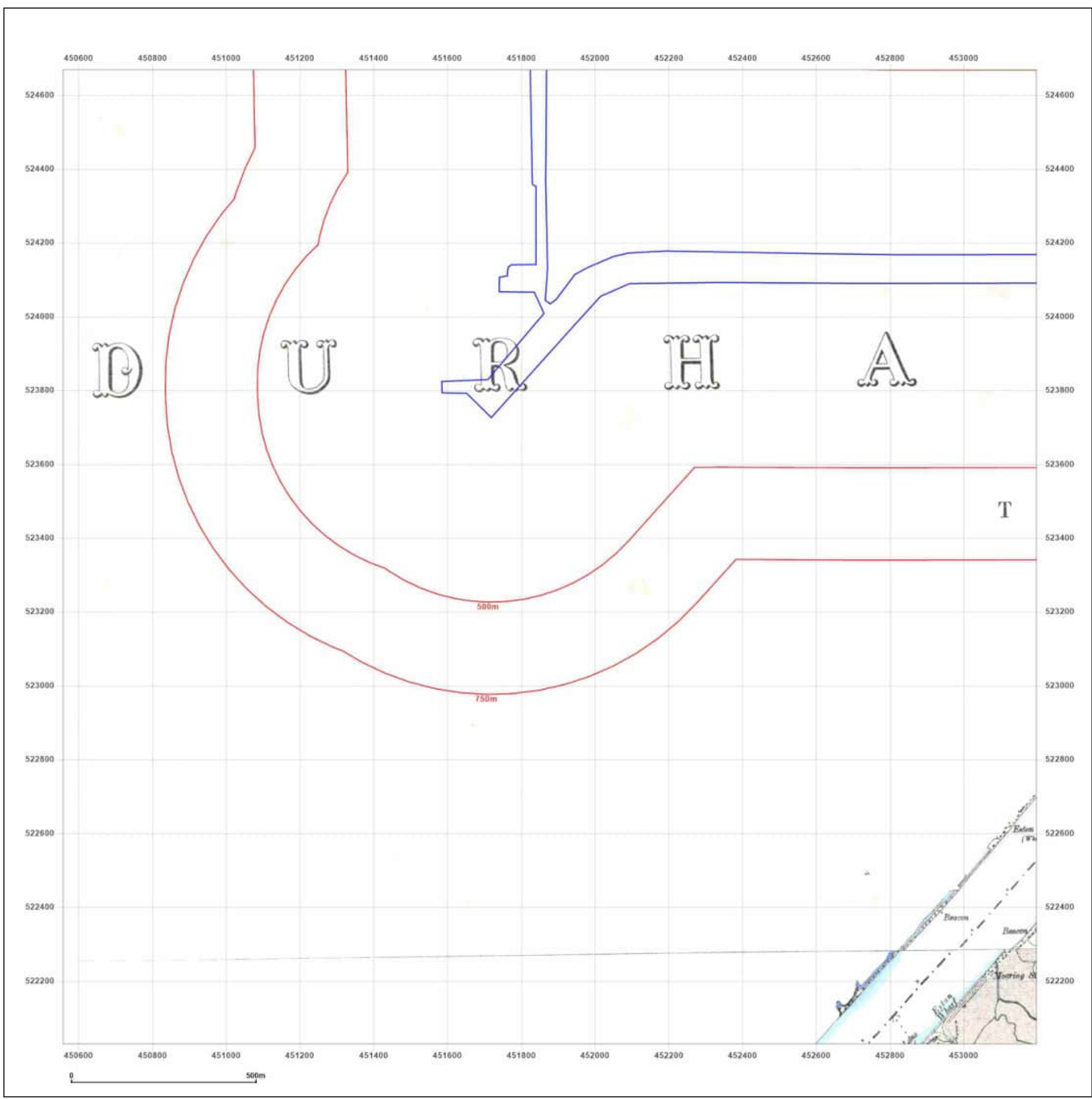


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 Revised 1896  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1856  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

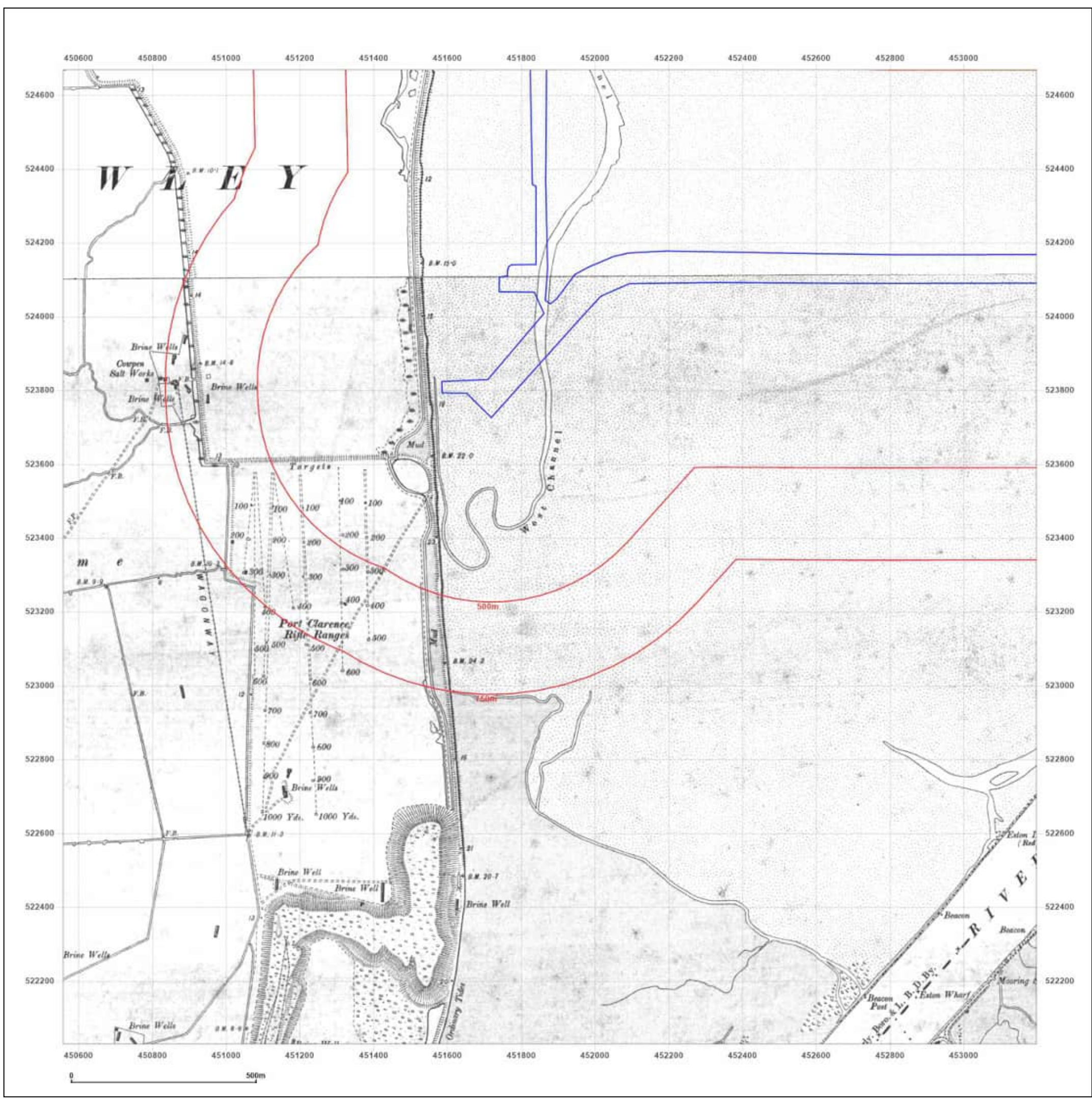


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 Edition N/A  
 Copyright N/A  
 Levelled N/A

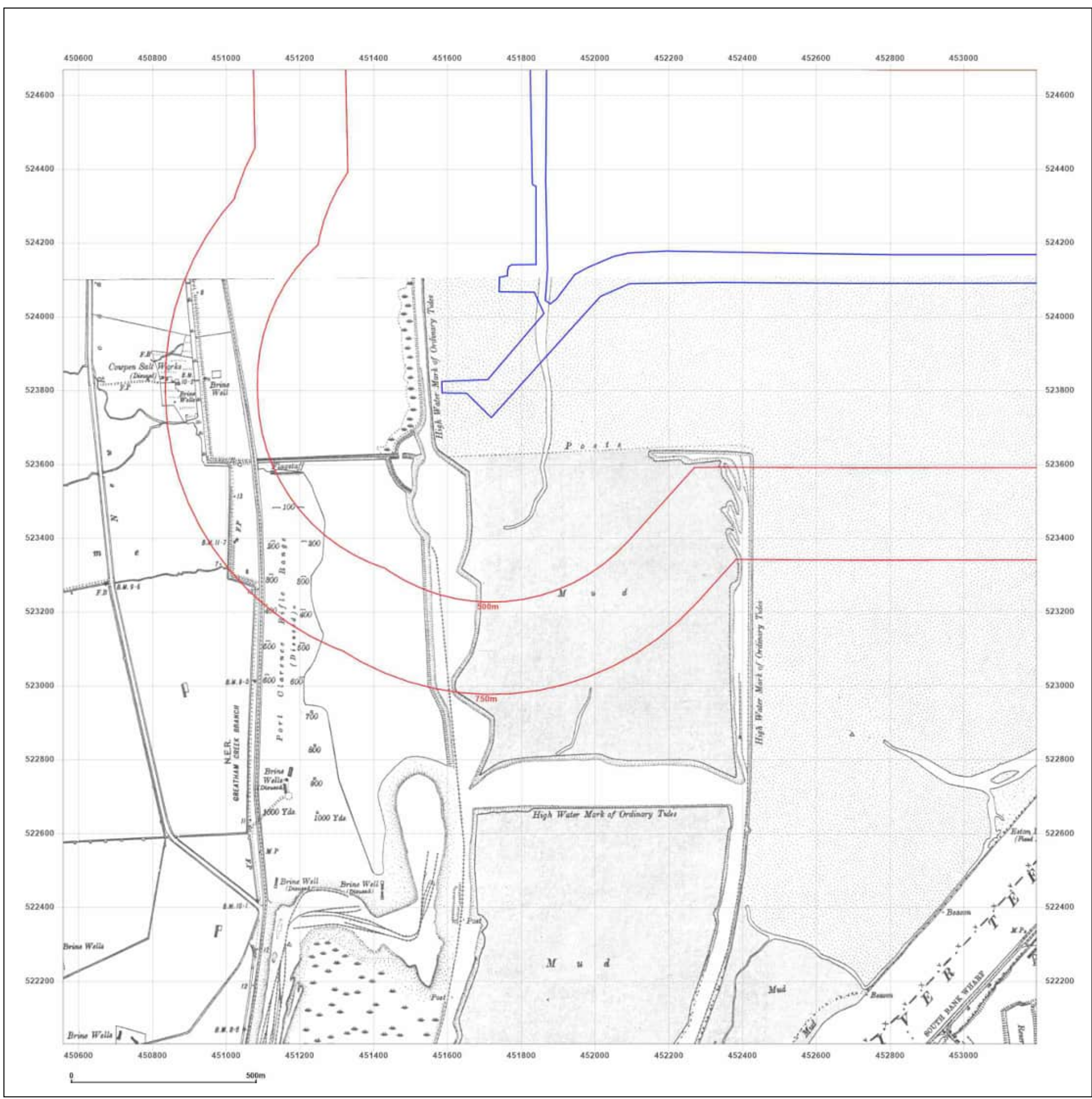


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Surveyed 1855  
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 Copyright N/A  
 Levelled N/A

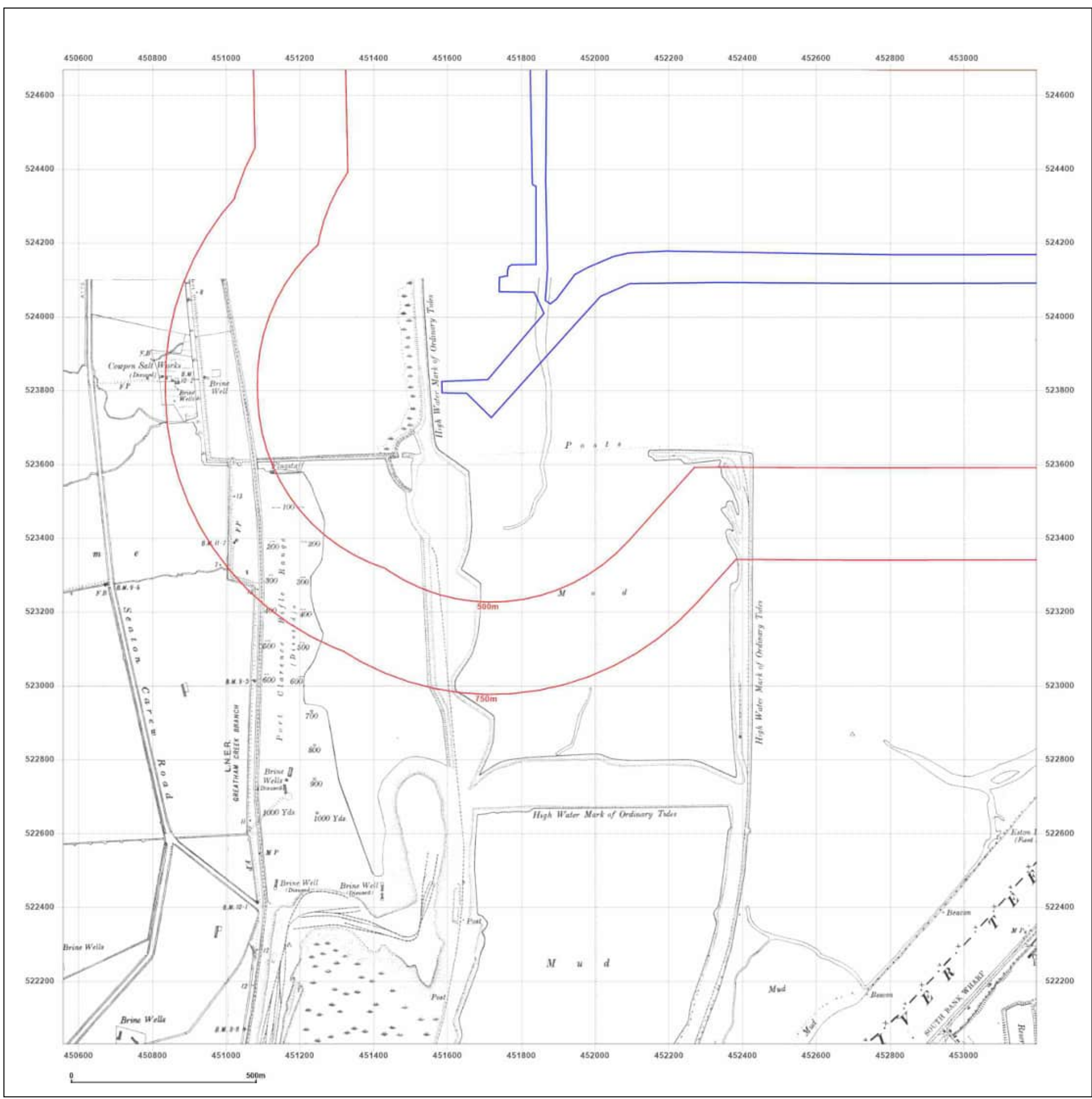


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Surveyed 1854  
 Revised 1920  
 Edition N/A  
 Copyright N/A  
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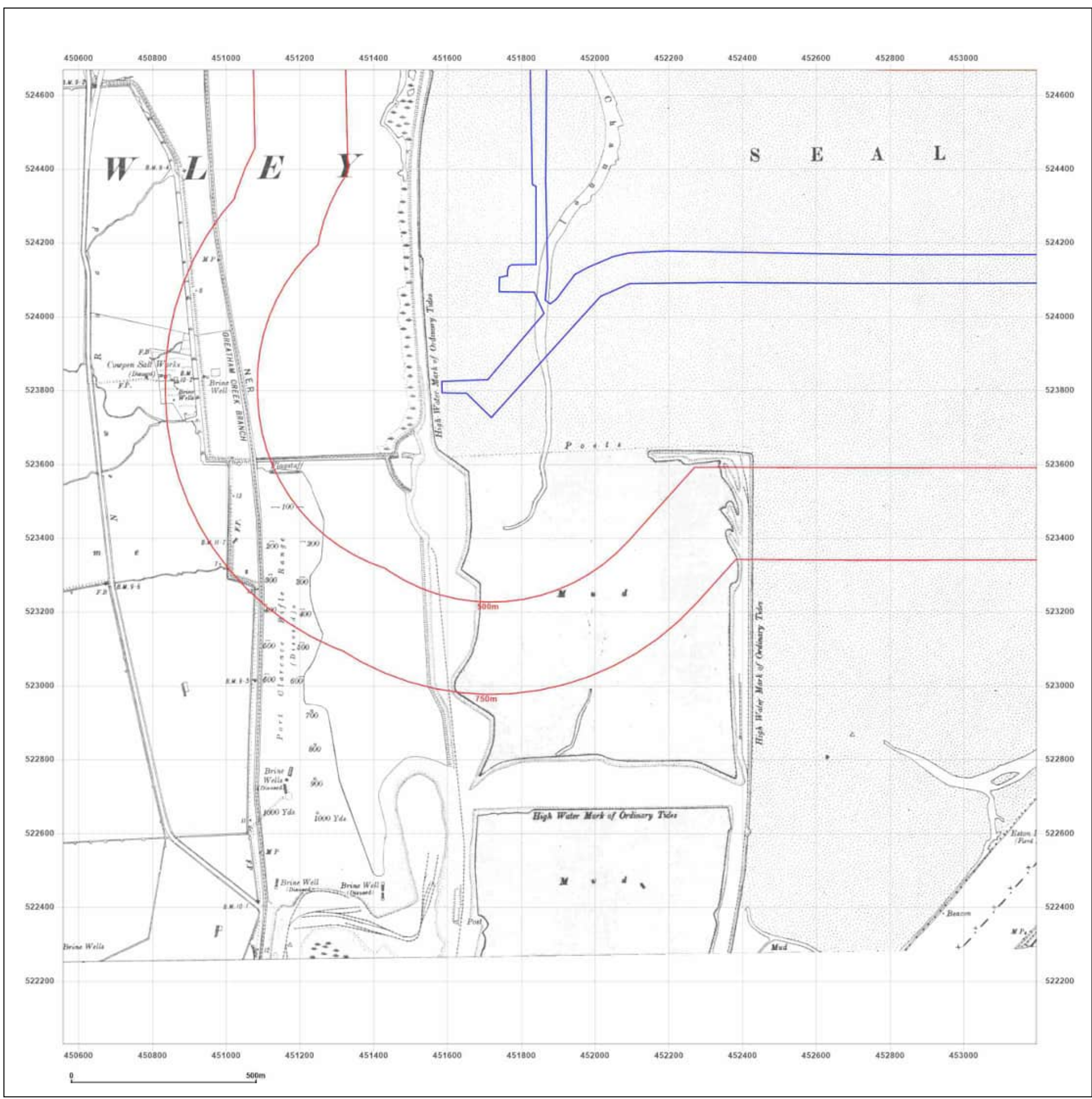


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Surveyed 1857  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1856  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

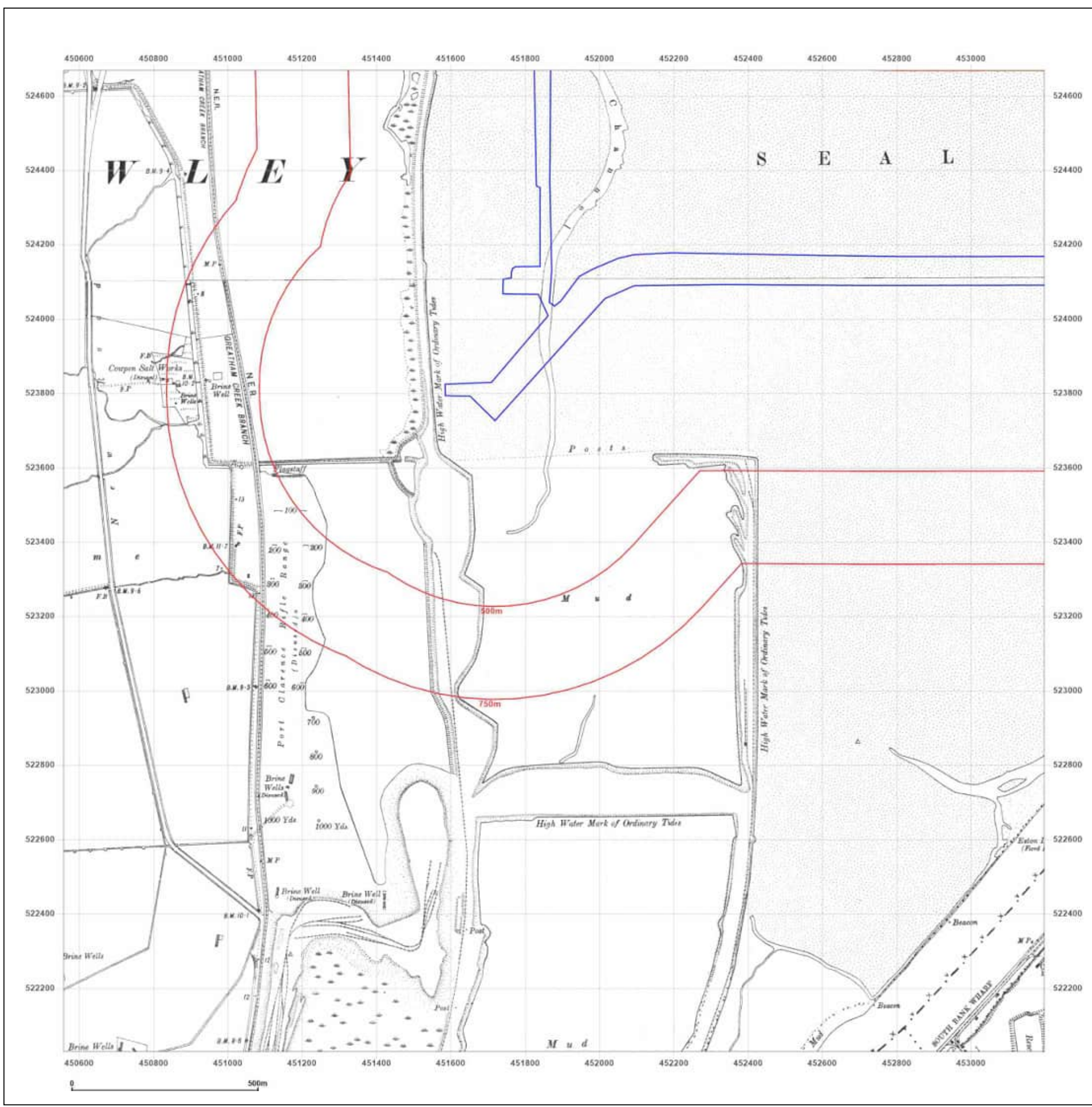


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Surveyed 1854  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

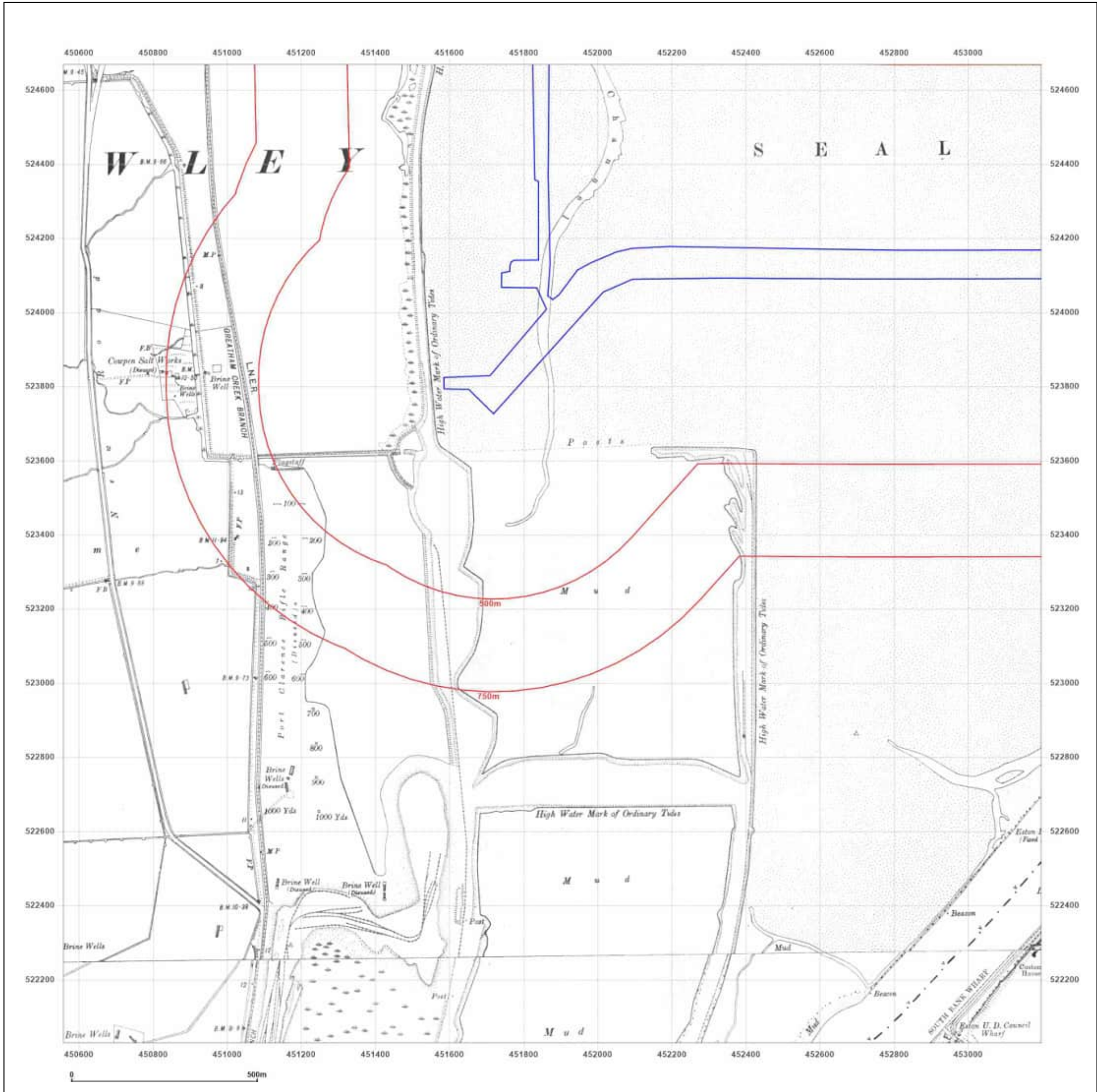


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**Map Name:** County Series

**Map date:** 1950

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Surveyed 1856  
 Revised 1950  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1855  
 Revised 1950  
 Edition N/A  
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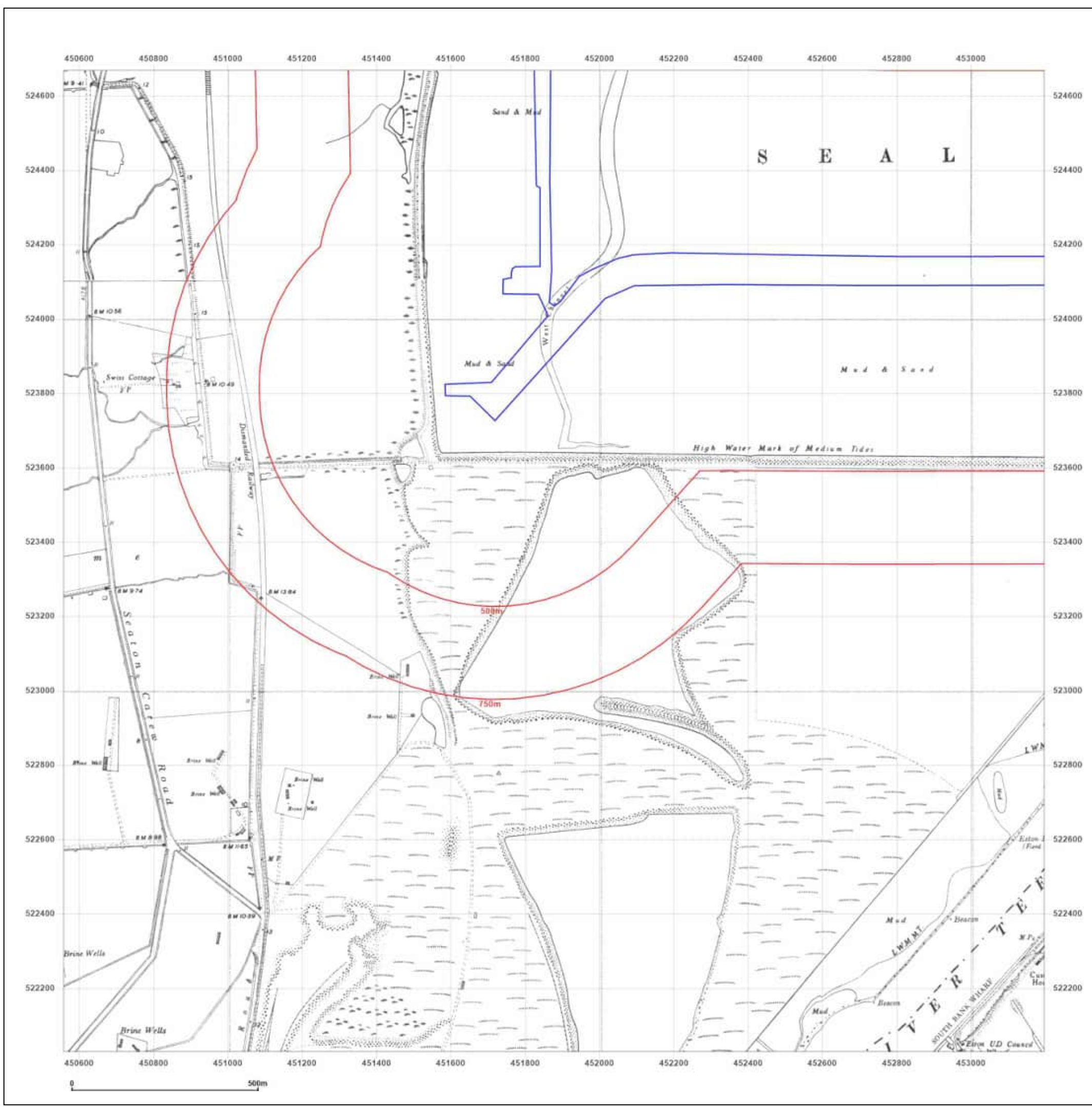


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Surveyed 1950  
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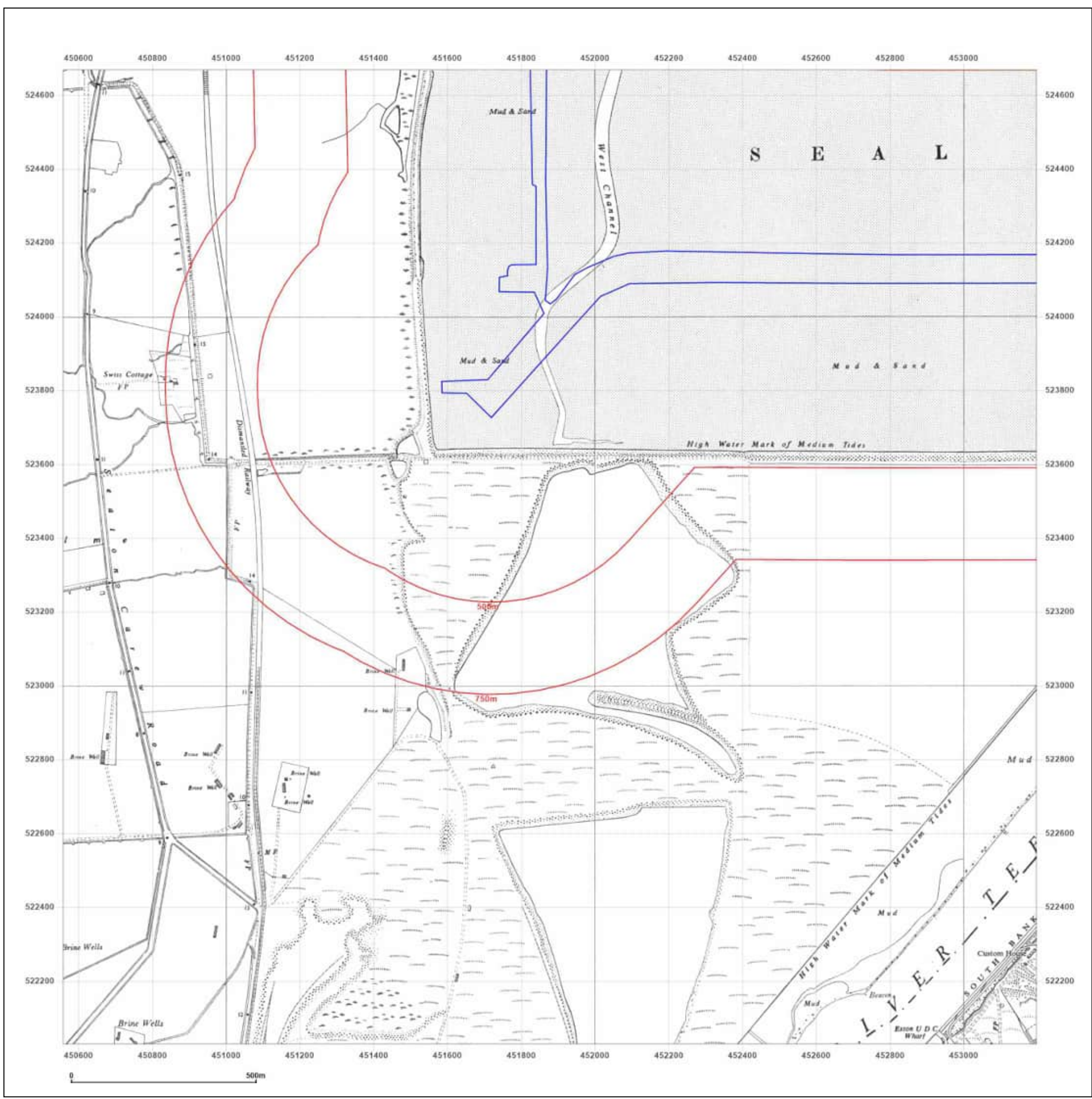


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**Map Name:** National Grid

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Surveyed 1986  
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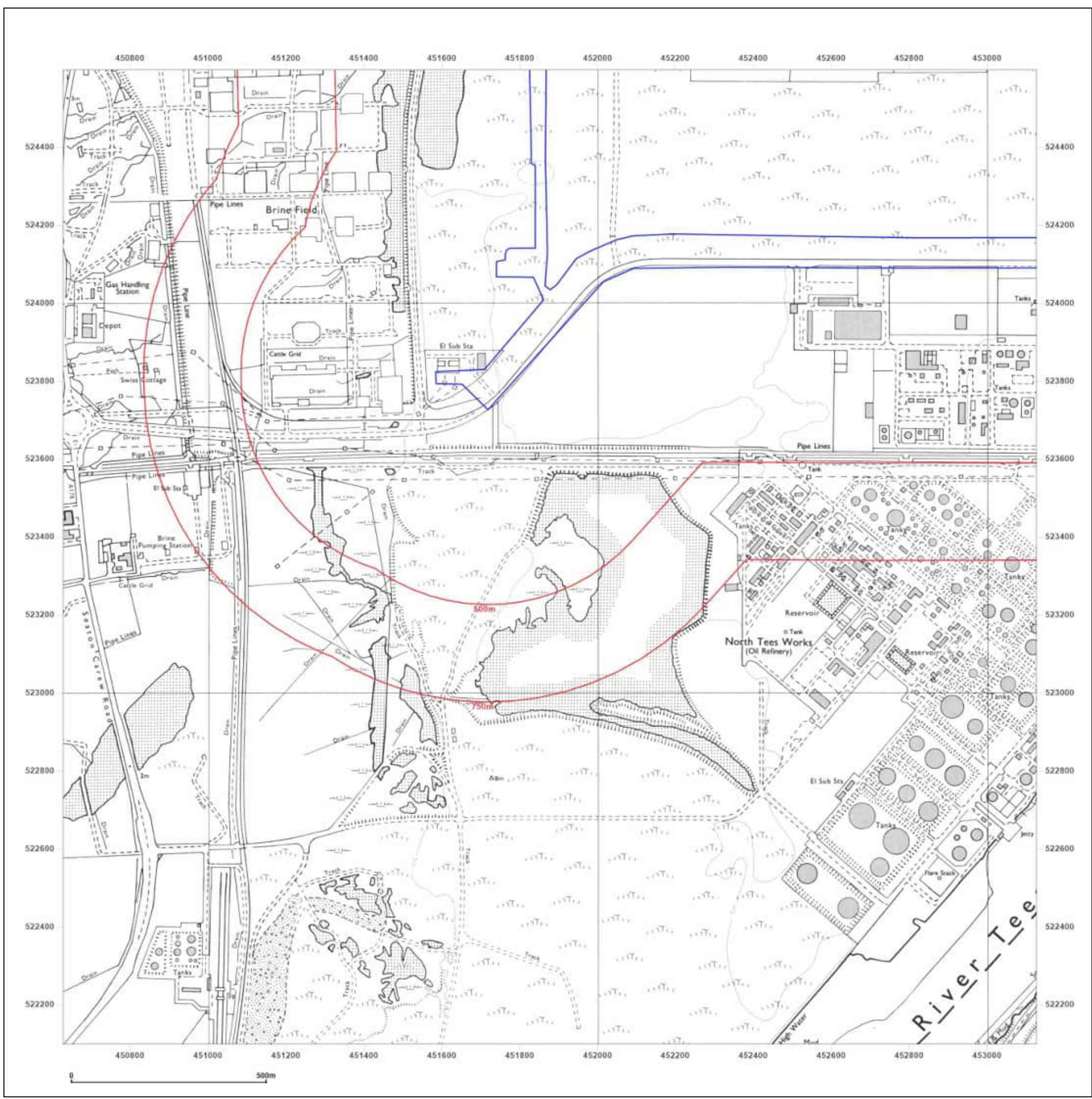


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**Map Name:** National Grid

**Map date:** 1992

**Scale:** 1:10,000

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Surveyed 1986  
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 Copyright N/A  
 Levelled N/A

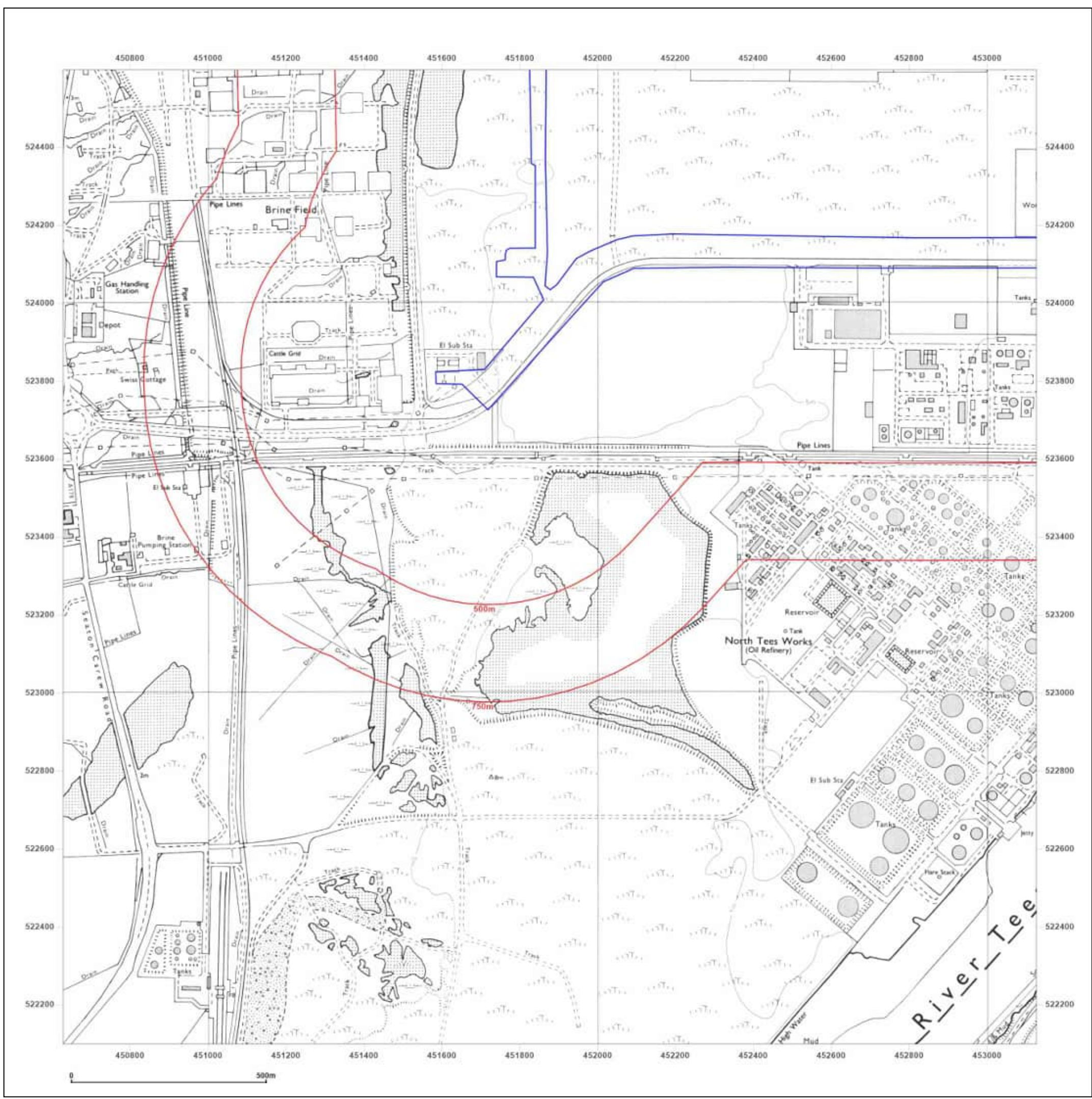


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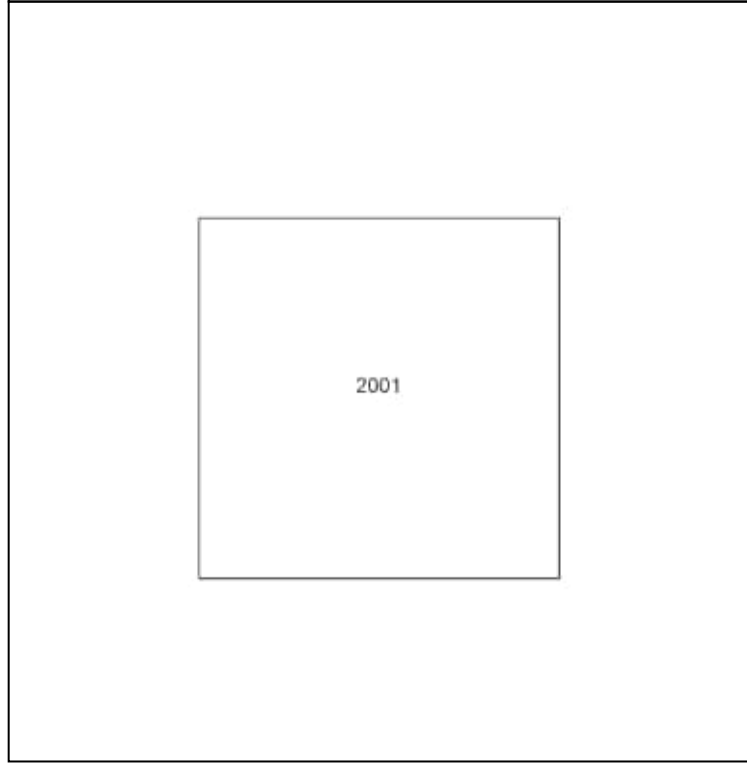
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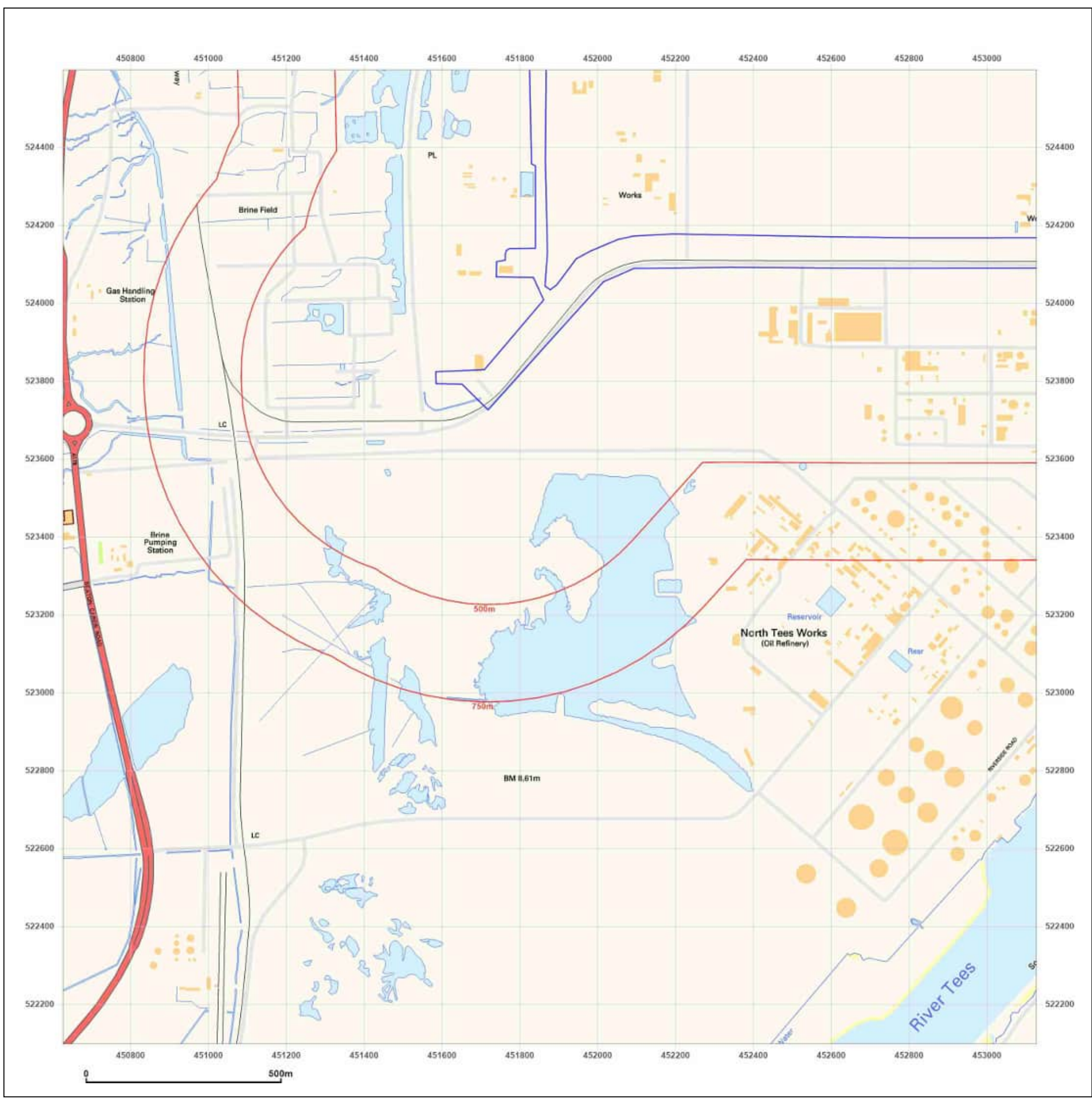


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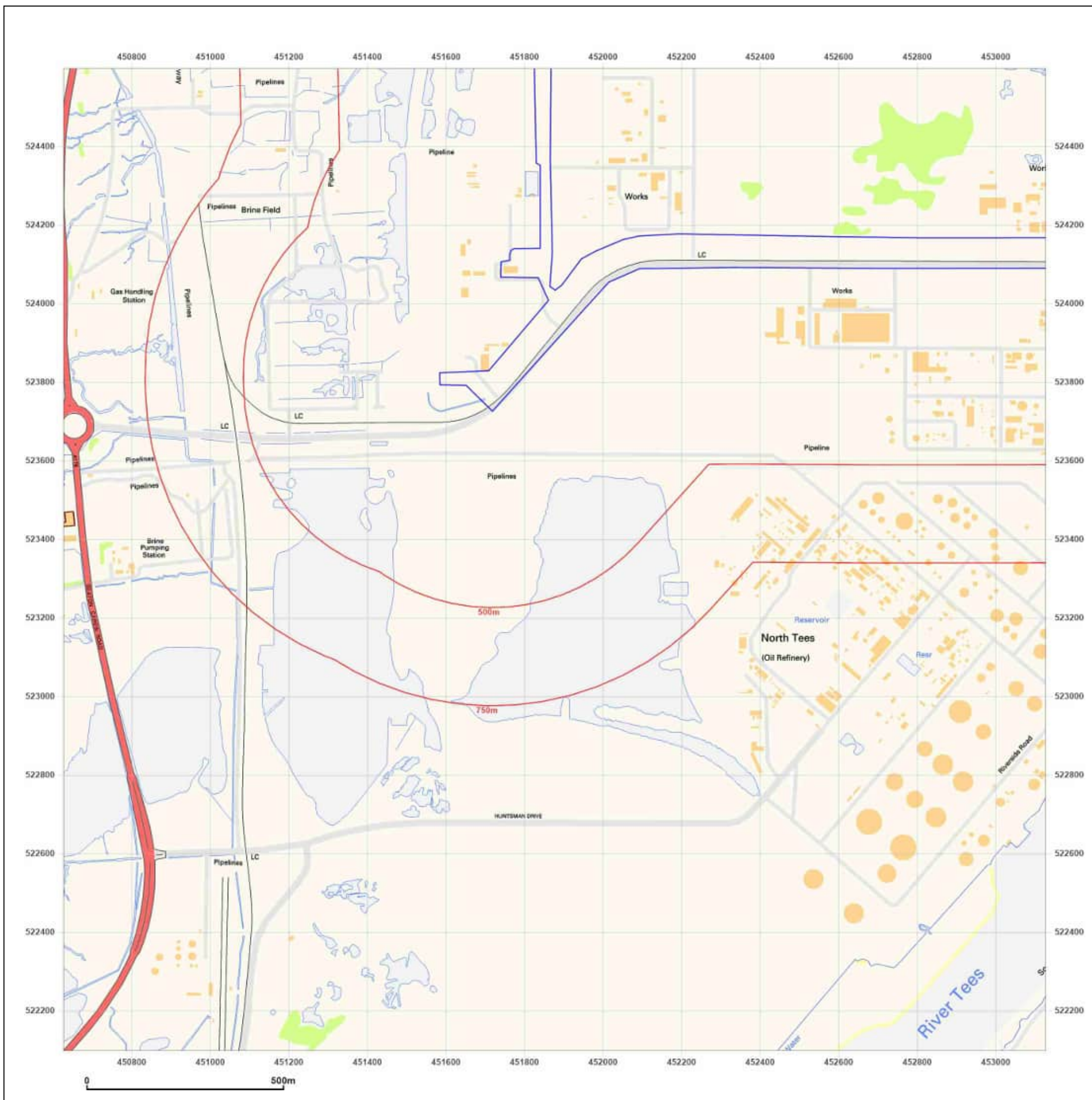


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**Site Details:**

WaveCrest - Teeside

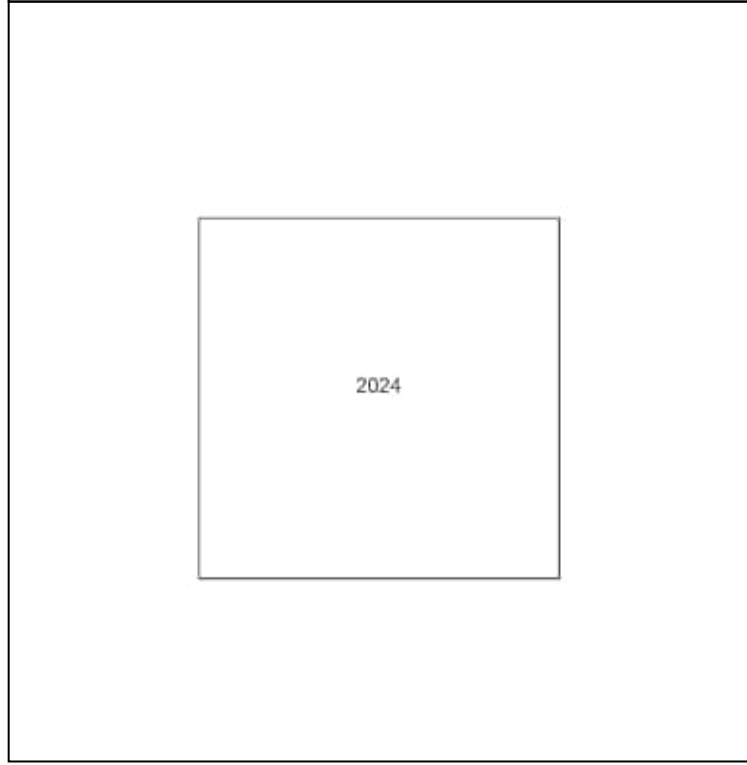
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**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_1  
**Grid Ref:** 451877, 523348

**Map Name:** National Grid

**Map date:** 2024

**Scale:** 1:10,000

**Printed at:** 1:10,000

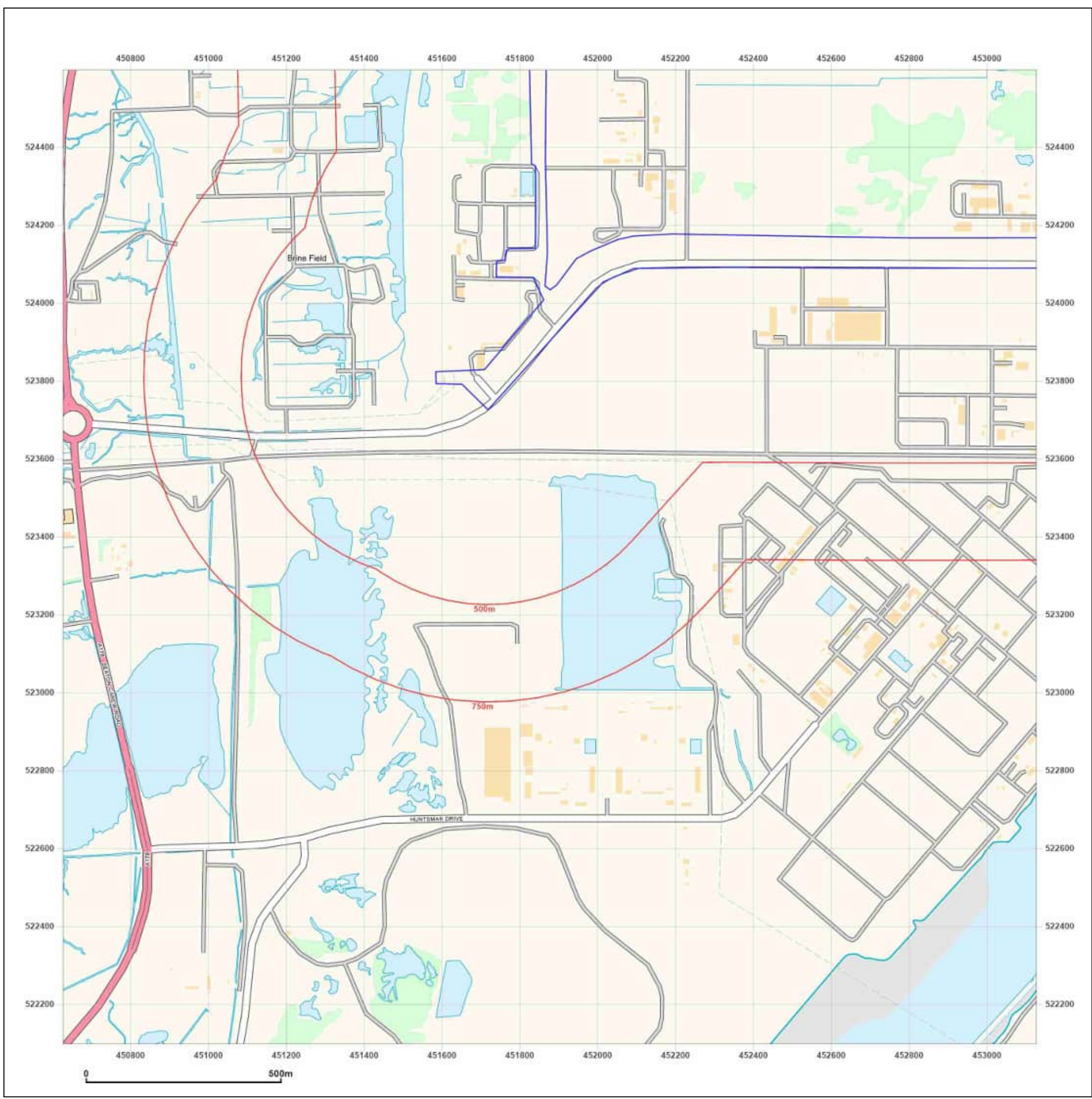


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

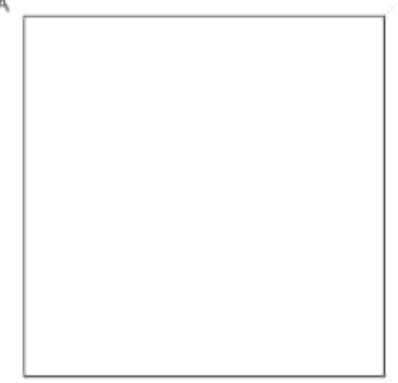
**Map date:** 1855

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1855  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

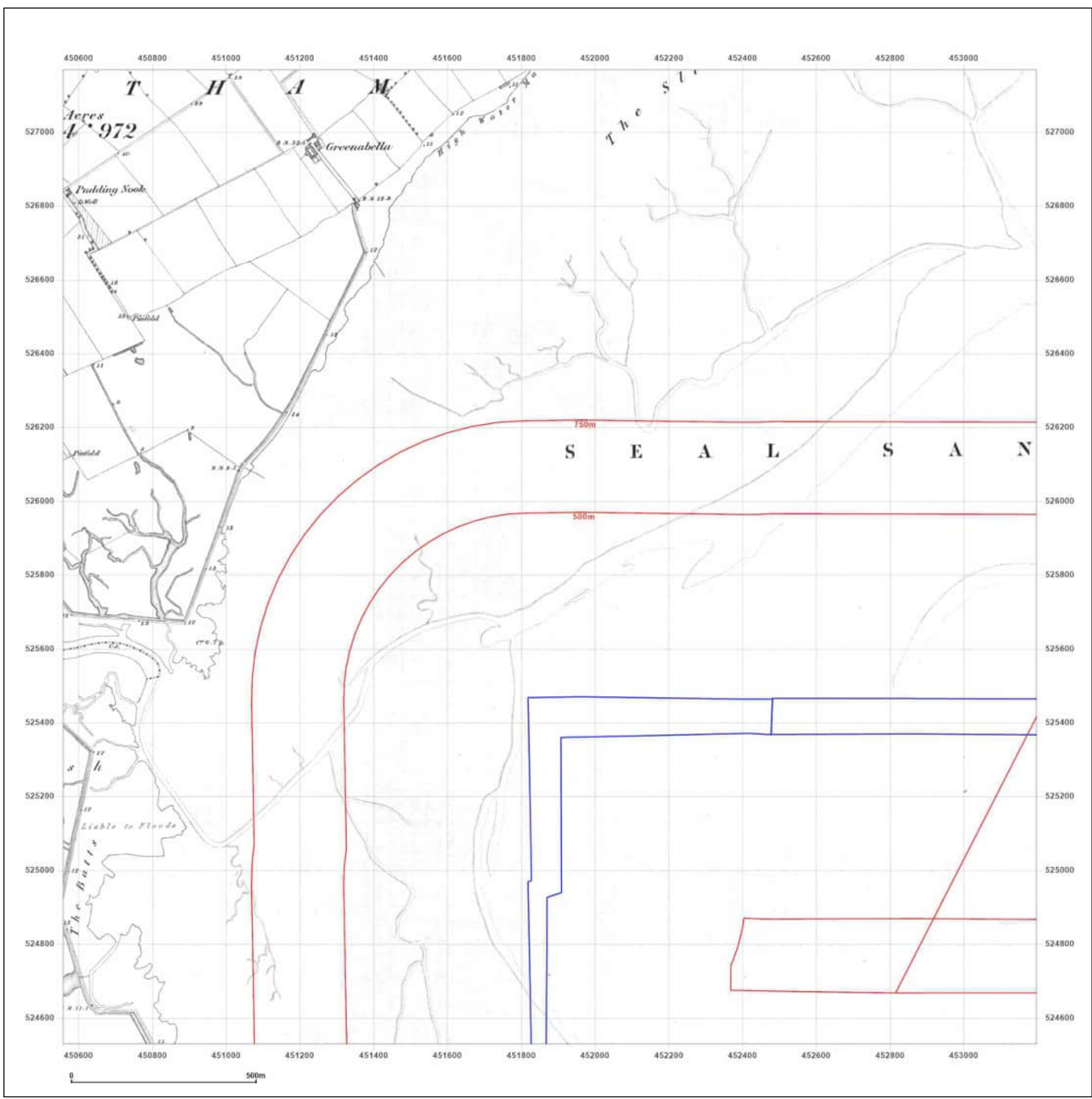


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

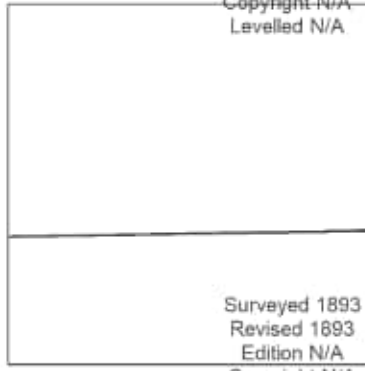
**Map date:** 1893

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

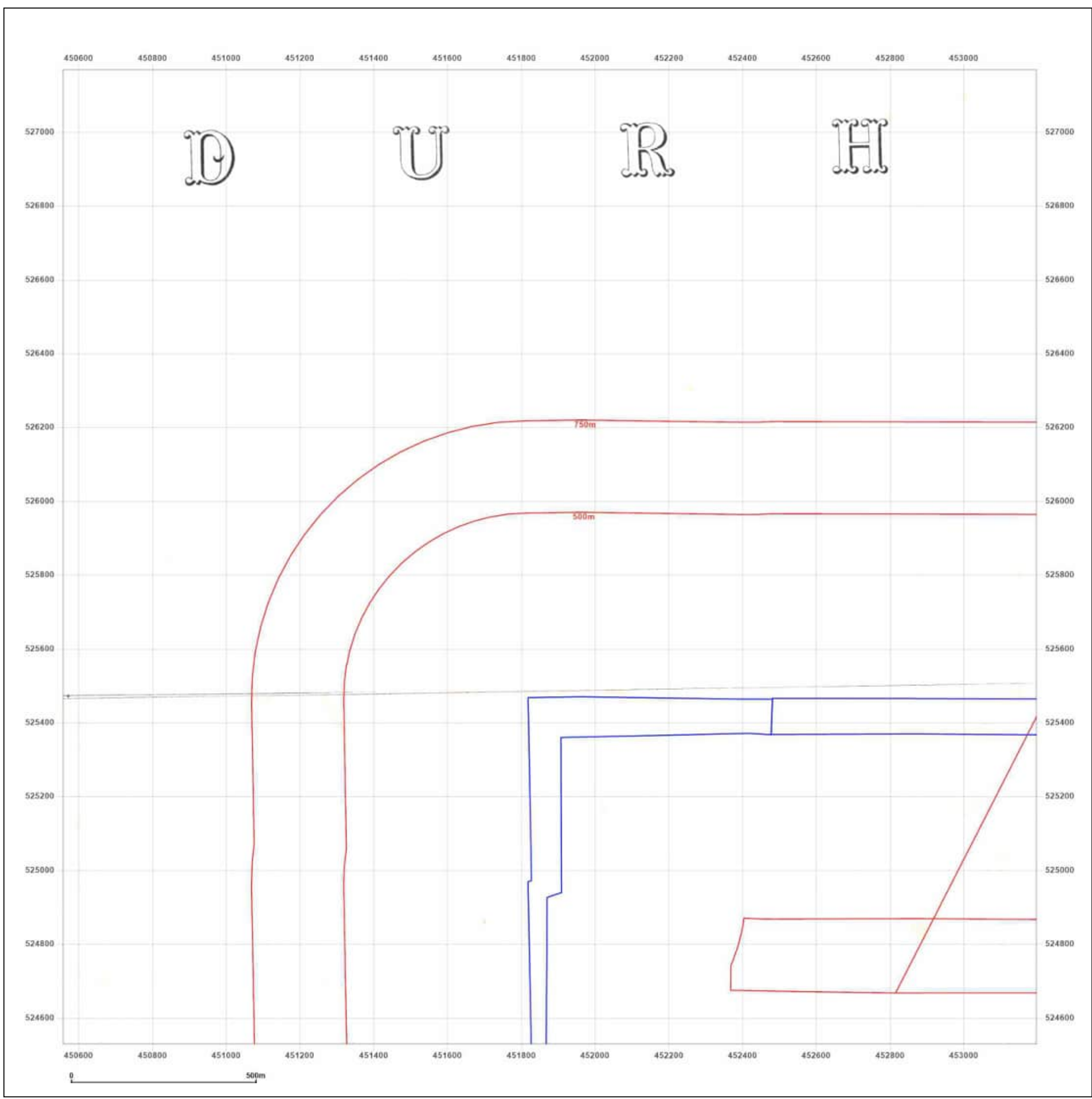


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1896

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1896  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

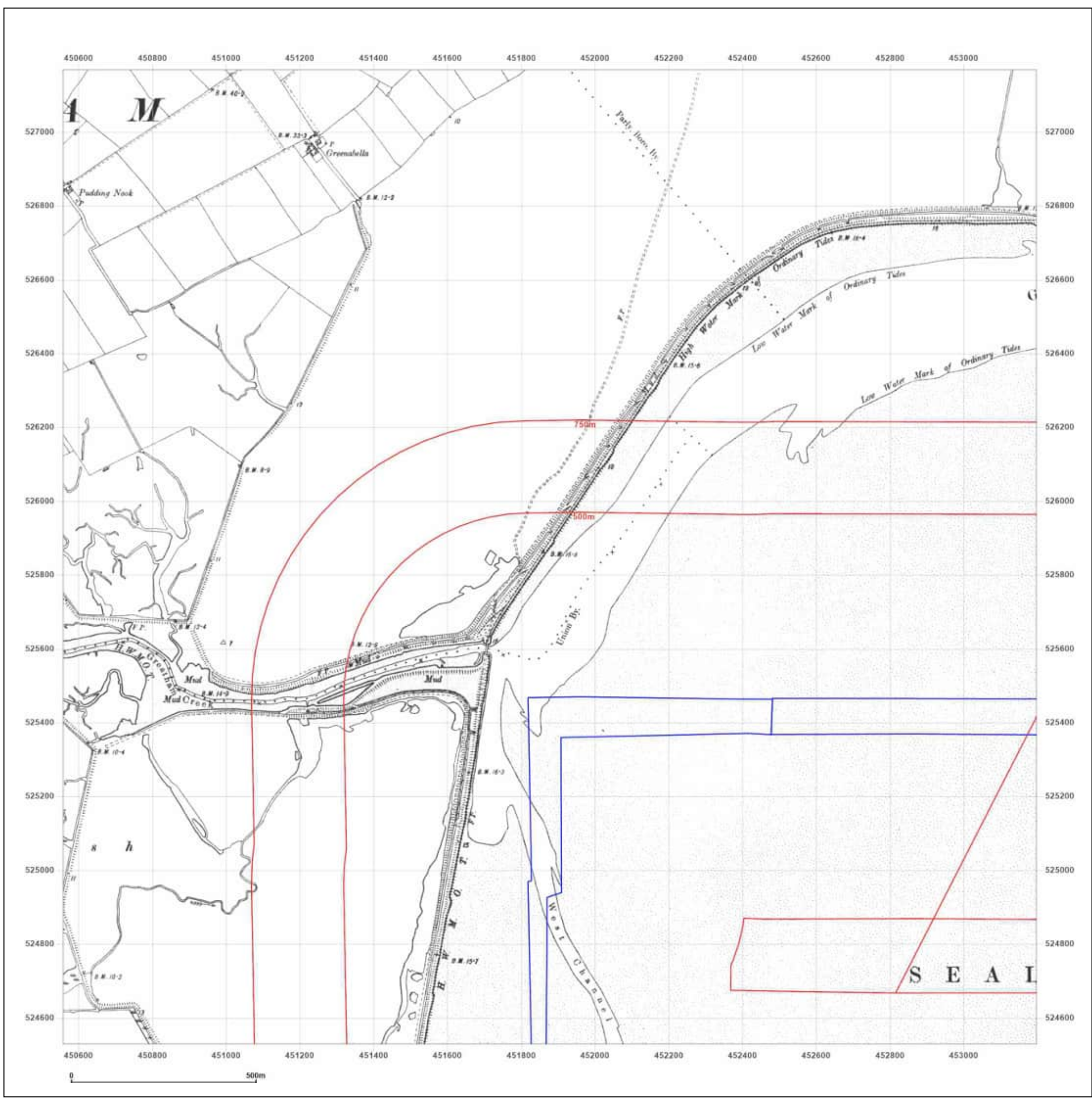


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1913

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1853  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

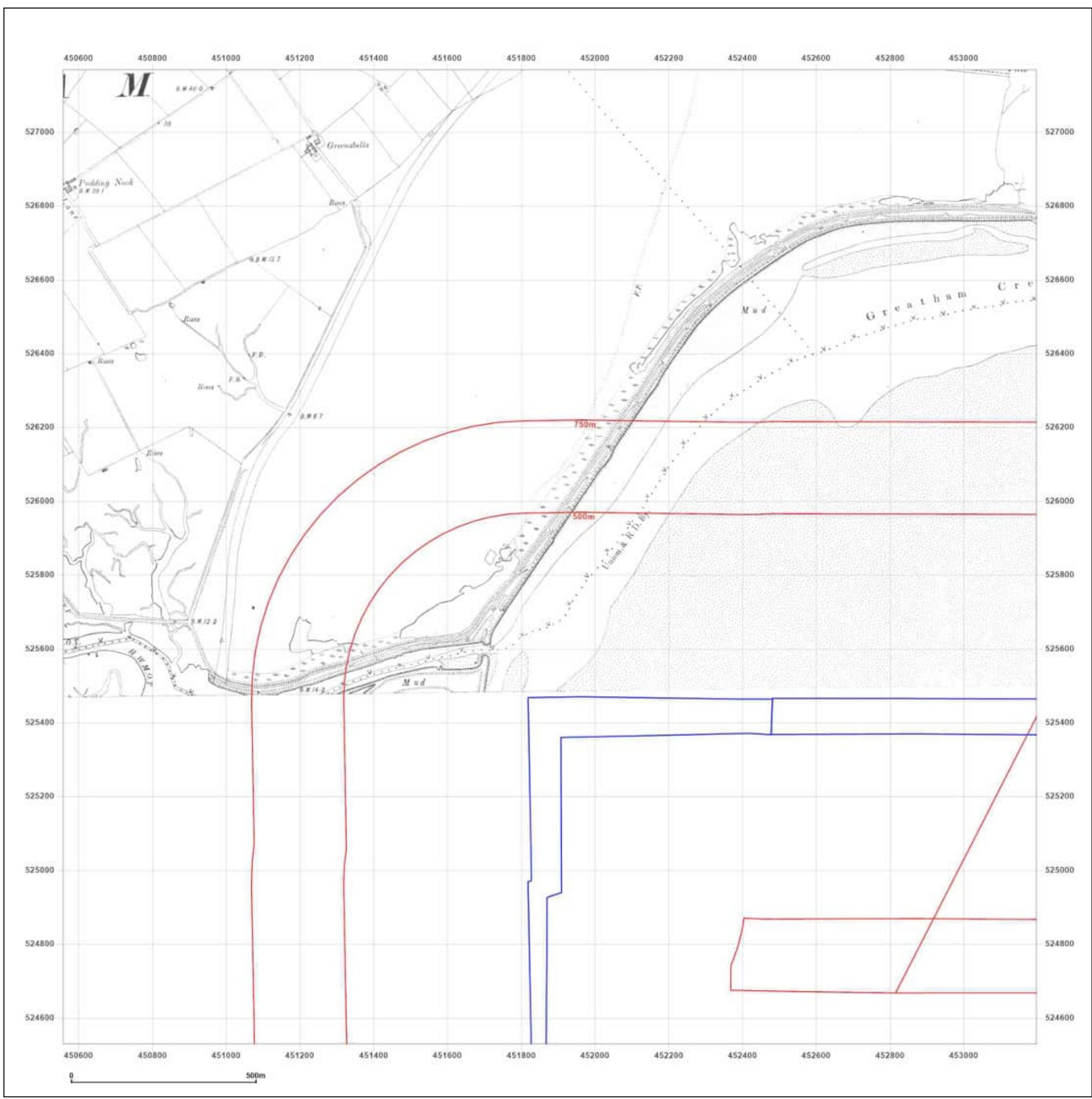


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1914

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1914  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

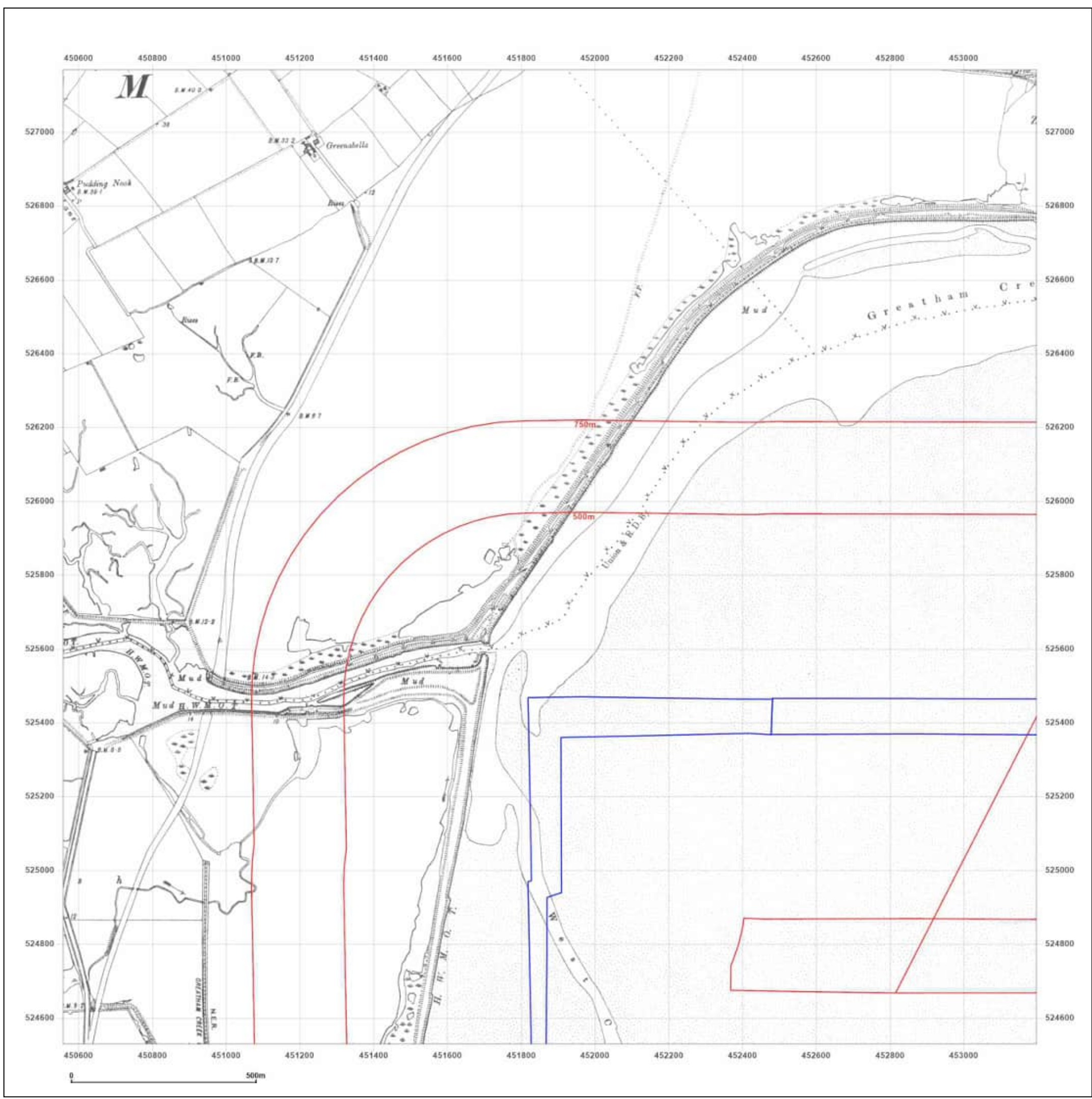


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1920

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1854  
 Revised 1920  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

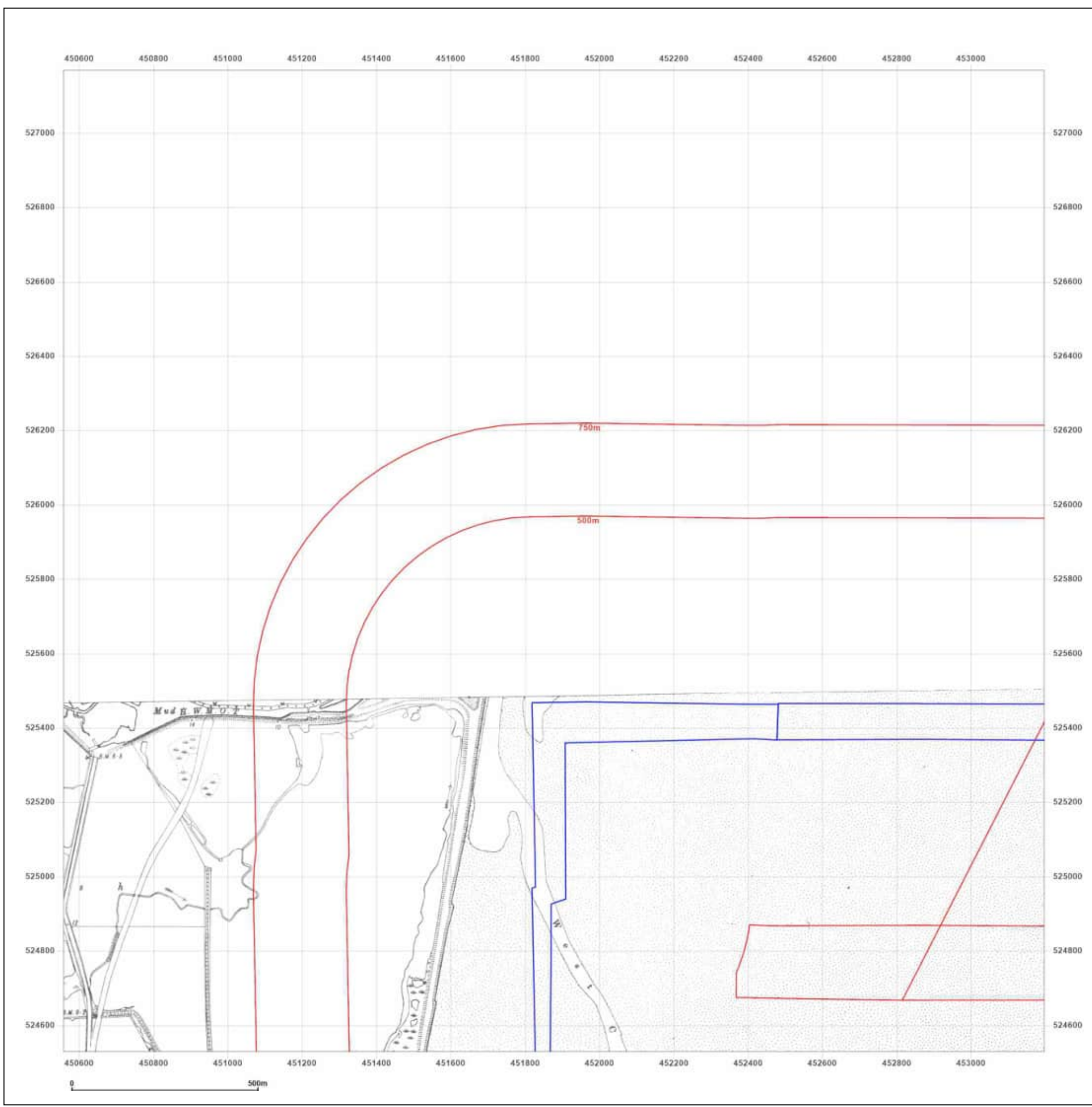


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 451877, 525848

**Map Name:** County Series

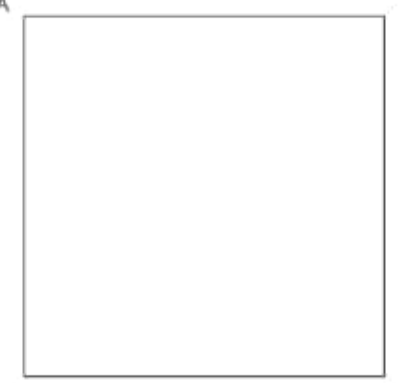
**Map date:** 1923

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1857  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

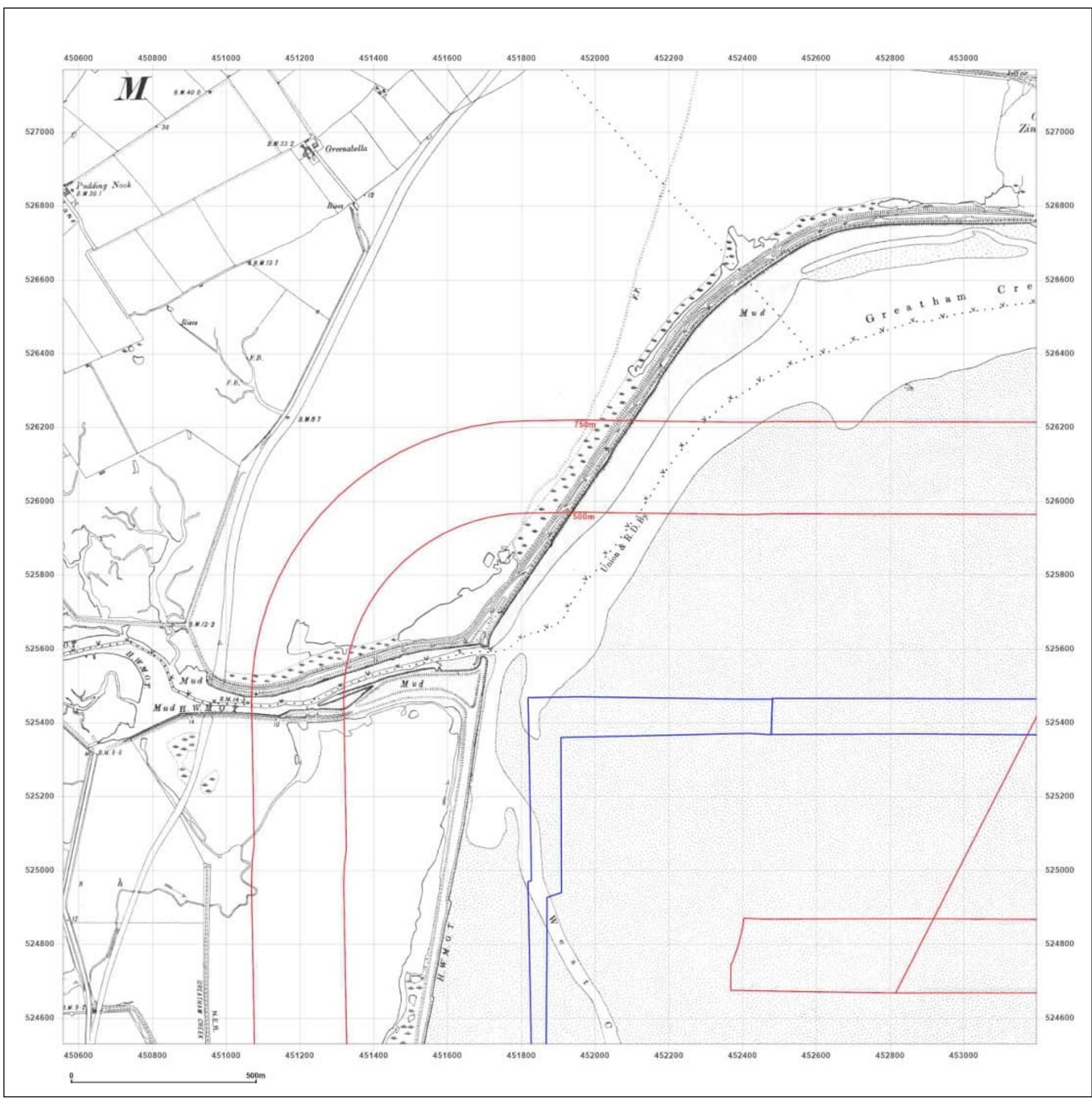


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1927

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

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Surveyed 1854  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

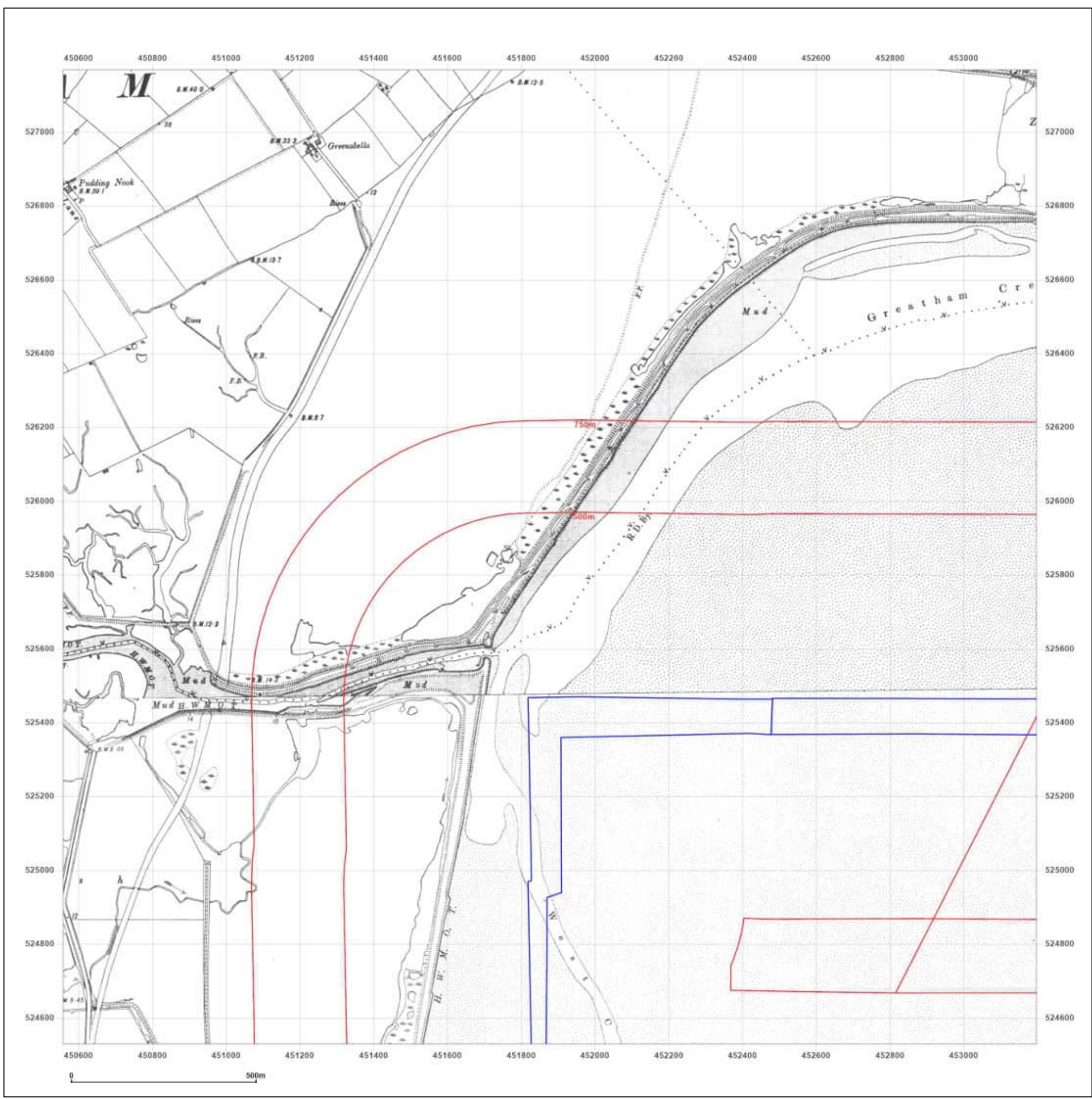


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

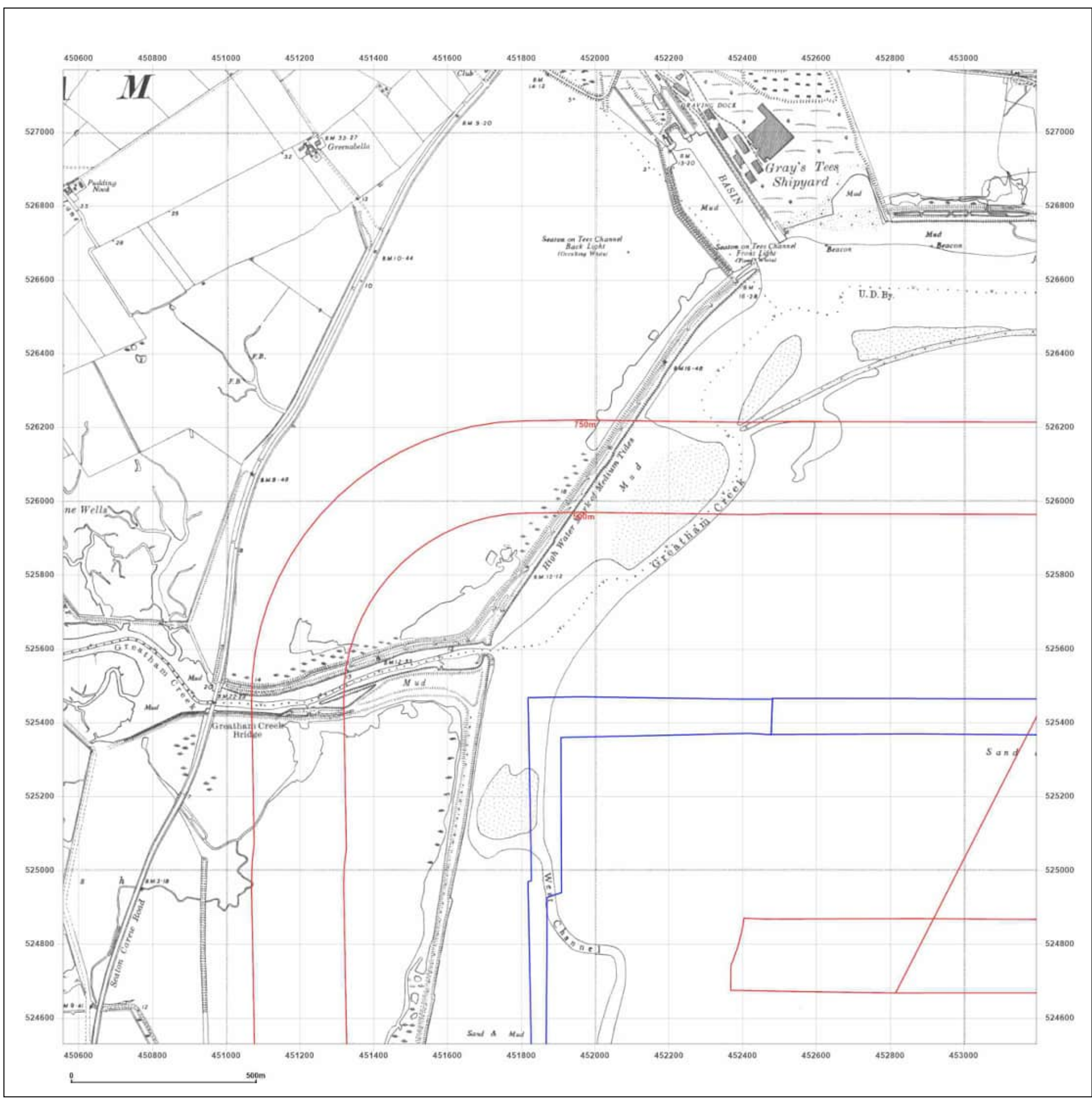


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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** County Series

**Map date:** 1950

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1950  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

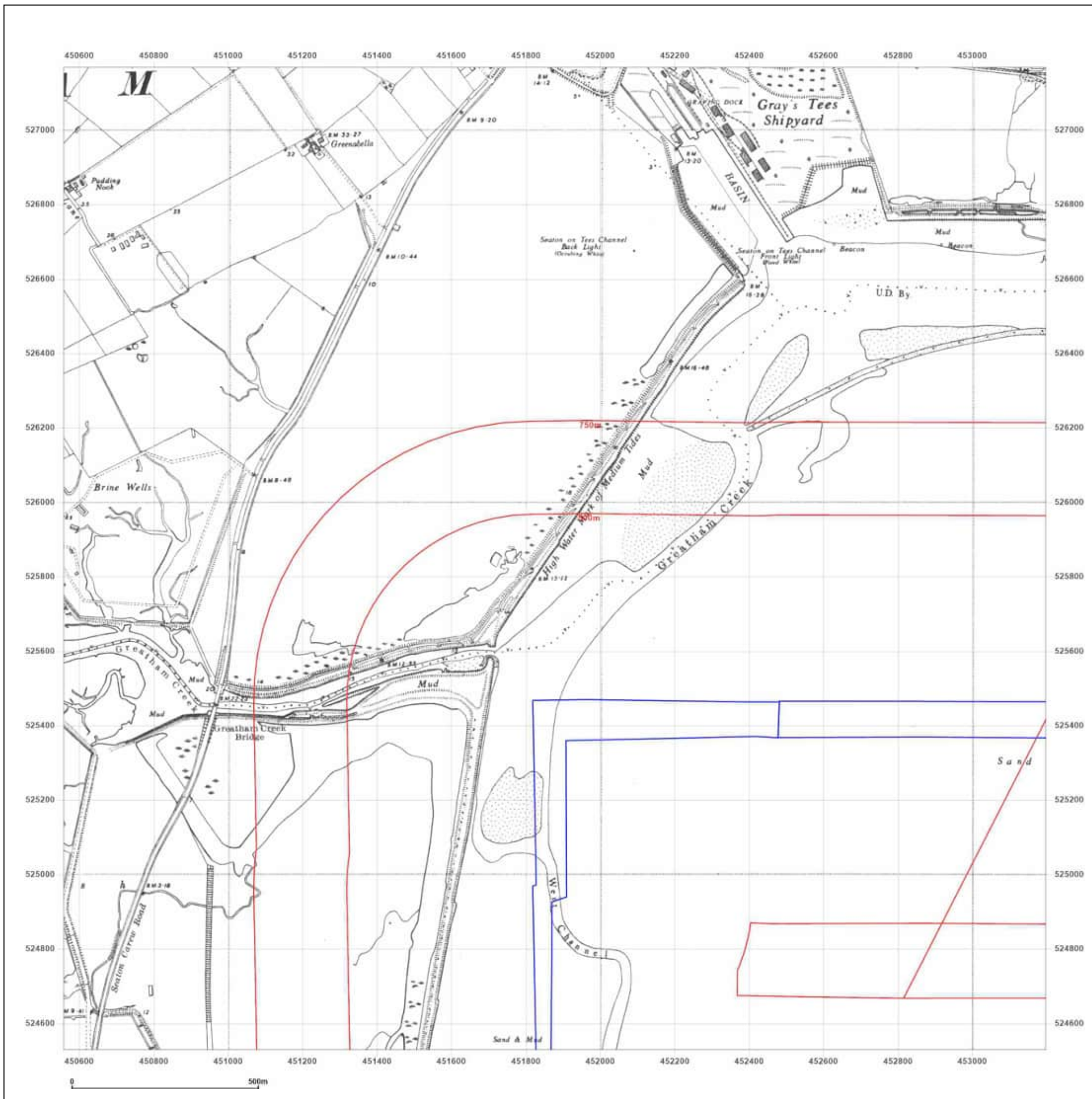


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**Site Details:**

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**Grid Ref:** 451877, 525848

**Map Name:** Provisional

**Map date:** 1954-1955

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed N/A  
 Revised 1954  
 Edition N/A  
 Copyright 1954  
 Levelled N/A

Surveyed 1950  
 Revised 1955  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

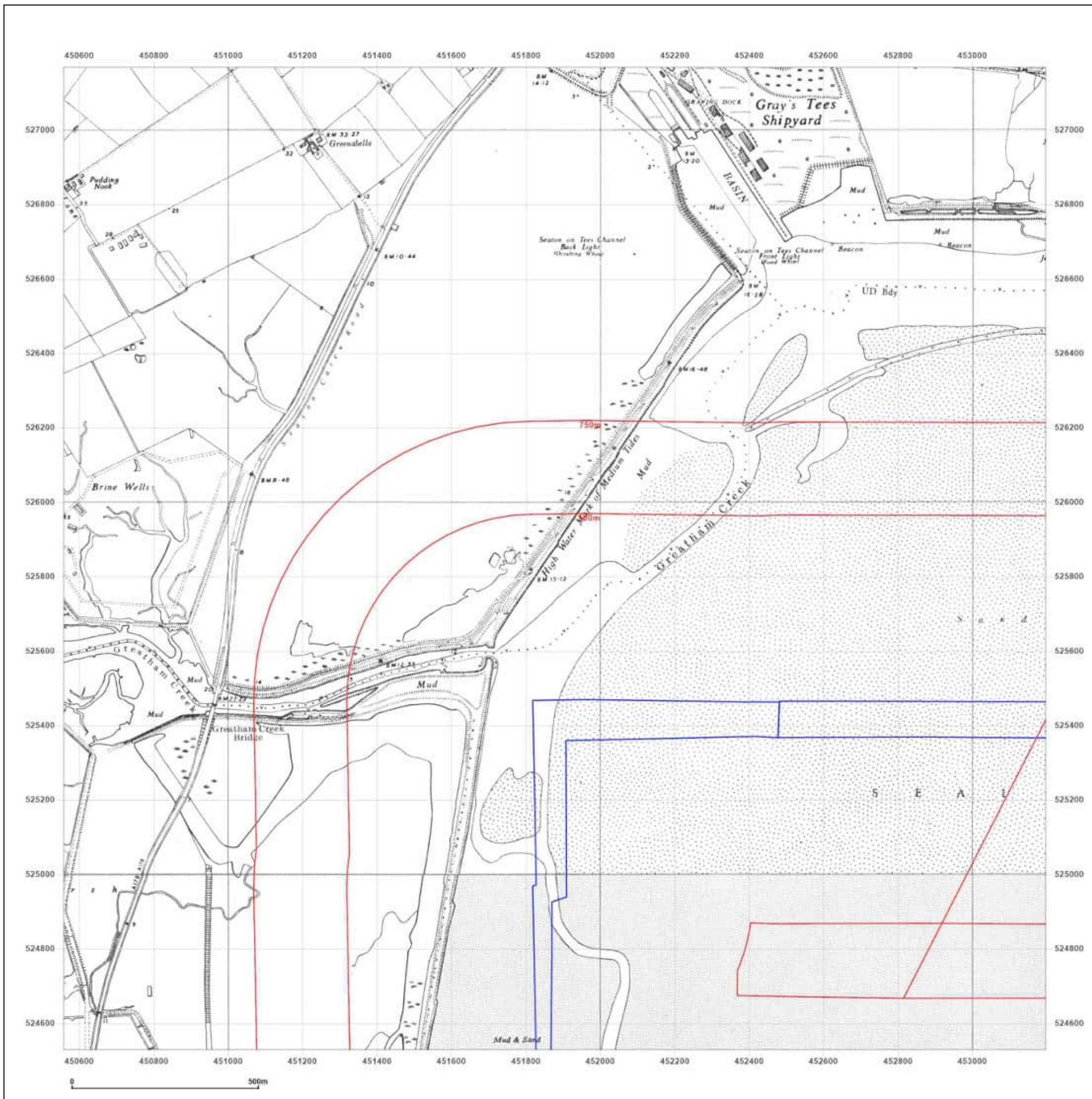


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** National Grid

**Map date:** 1981

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1979  
 Revised 1981  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

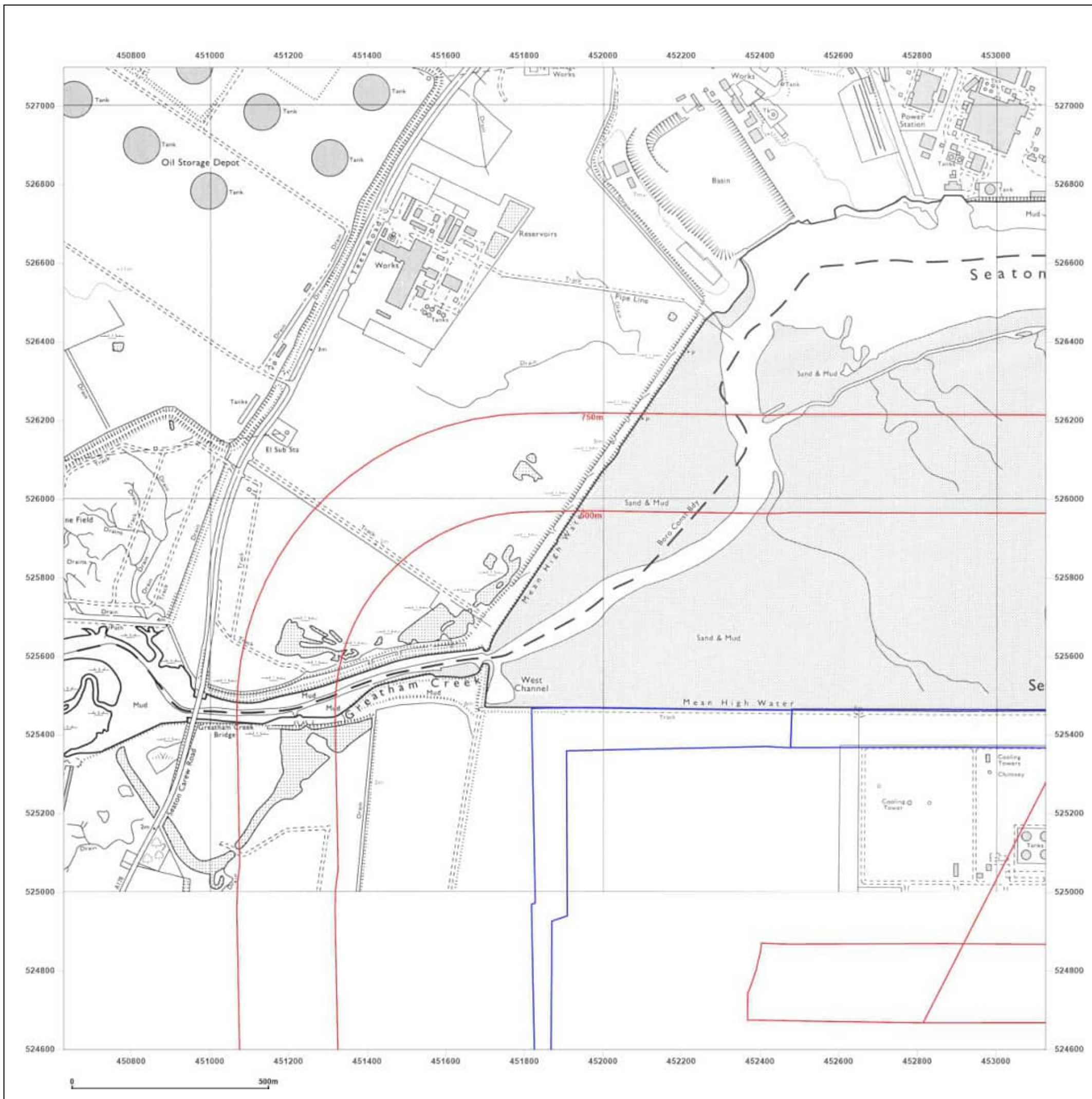


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** National Grid

**Map date:** 1992-1994

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1979  
 Revised 1994  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1986  
 Revised 1992  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

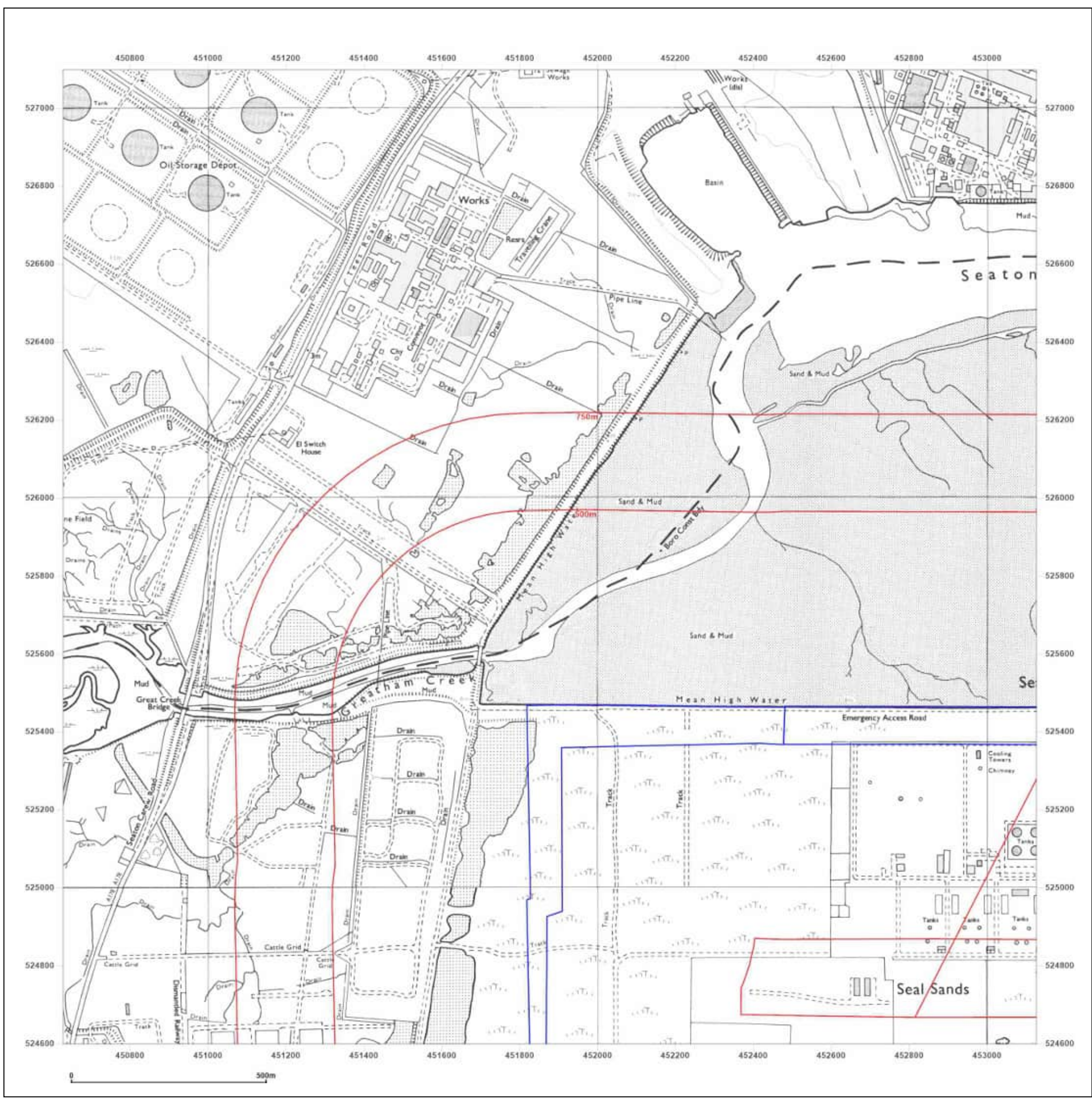


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**Site Details:**

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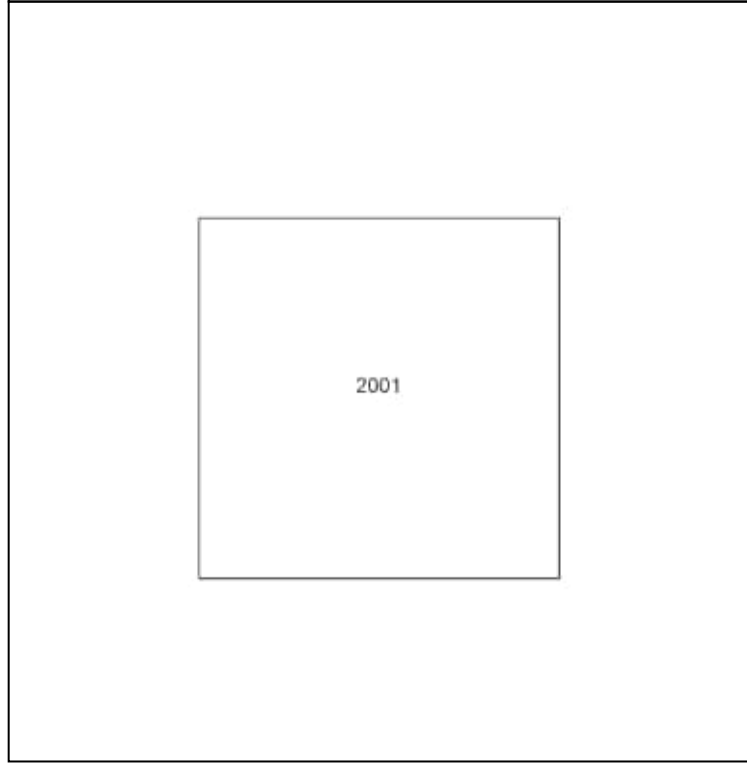
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**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** National Grid

**Map date:** 2001

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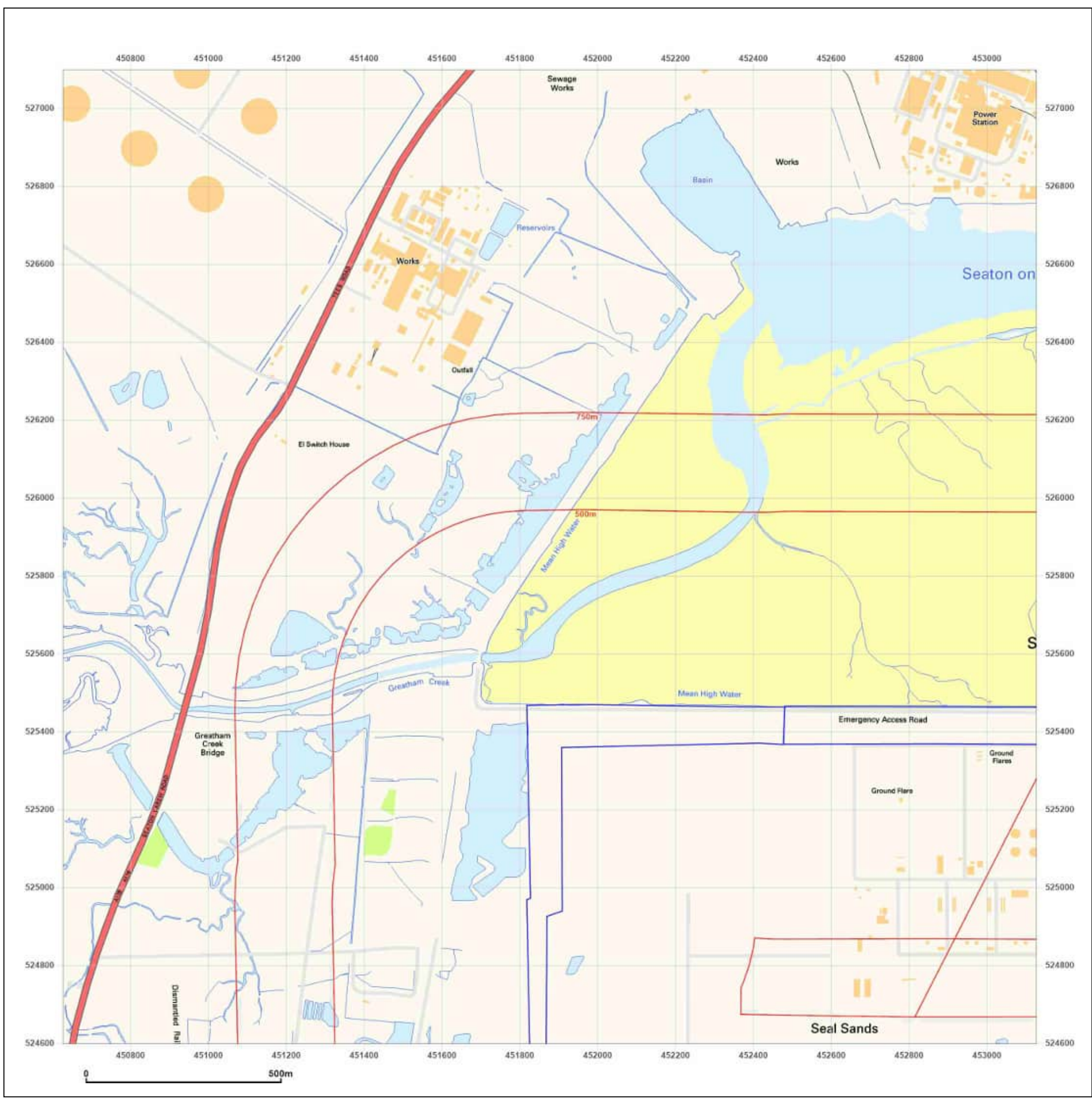


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**Site Details:**

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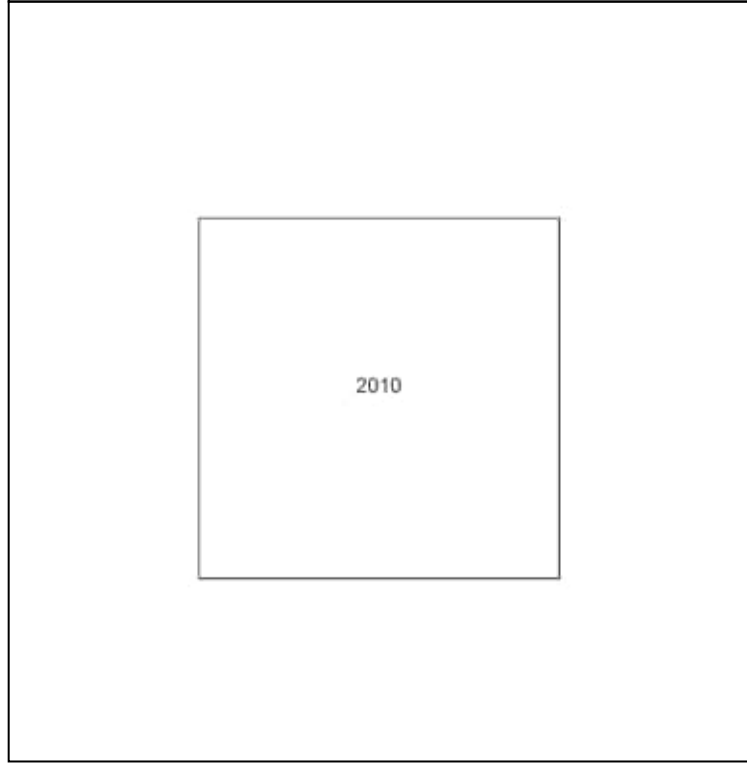
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**Report Ref:** GSIP-2024-14521-17090\_SS\_1\_2  
**Grid Ref:** 451877, 525848

**Map Name:** National Grid

**Map date:** 2010

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**Printed at:** 1:10,000

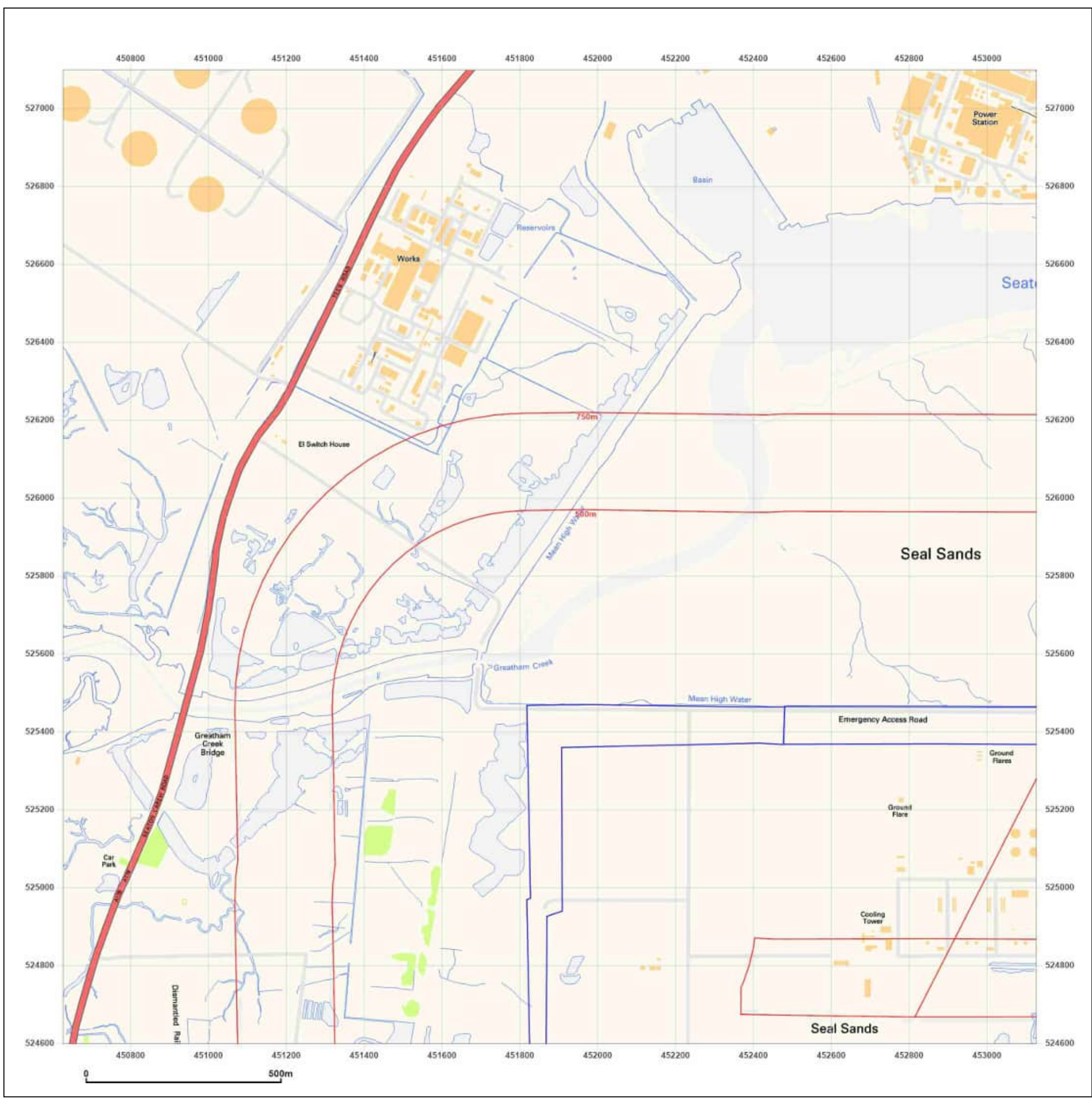


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**Site Details:**

WaveCrest - Teeside

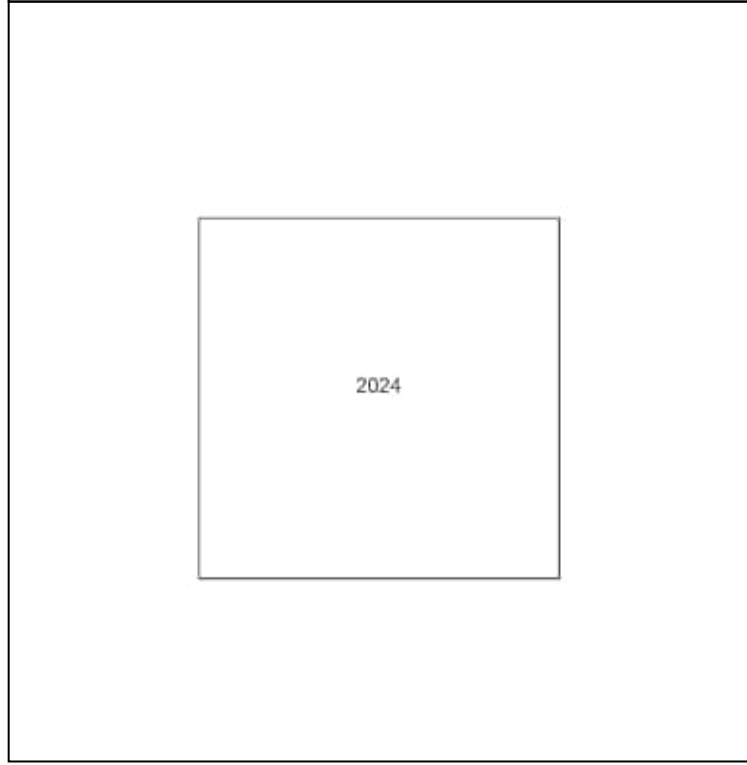
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**Map Name:** National Grid

**Map date:** 2024

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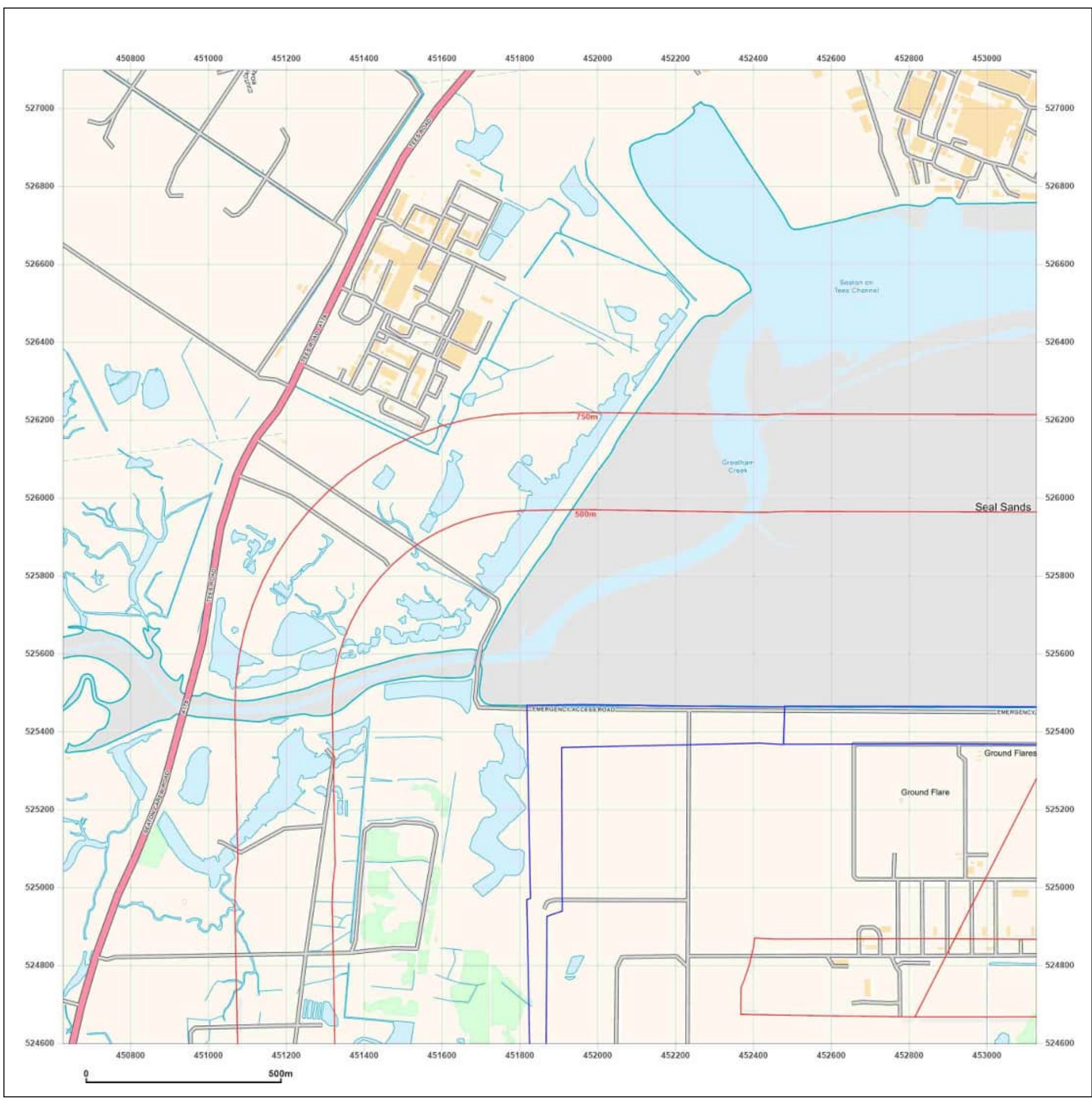


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** County Series

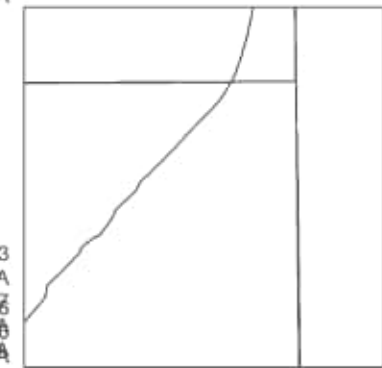
**Map date:** 1855-1857

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1855  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1853  
 Revised N/A  
 Edition 1856  
 Copyright N/A  
 Levelled N/A

Surveyed 1855  
 Revised N/A  
 Edition 1857  
 Copyright N/A  
 Levelled N/A

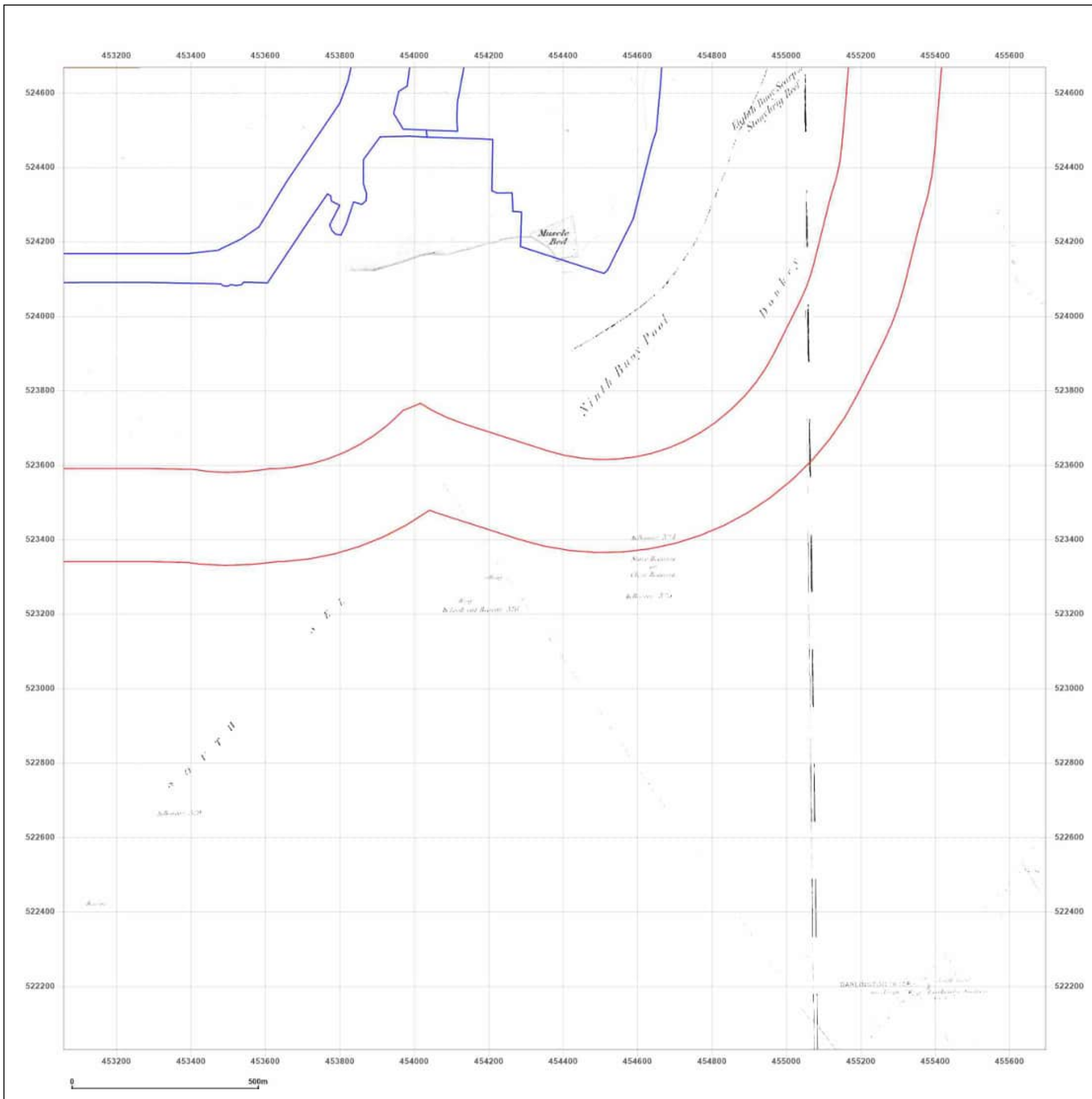


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** County Series

**Map date:** 1893

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1893 Revised 1893 Edition N/A Copyright N/A Levelled N/A	Surveyed 1893 Revised 1893 Edition N/A Copyright N/A Levelled N/A
Surveyed 1893 Revised 1893 Edition N/A Copyright N/A Levelled N/A	Surveyed 1893 Revised 1893 Edition N/A Copyright N/A Levelled N/A

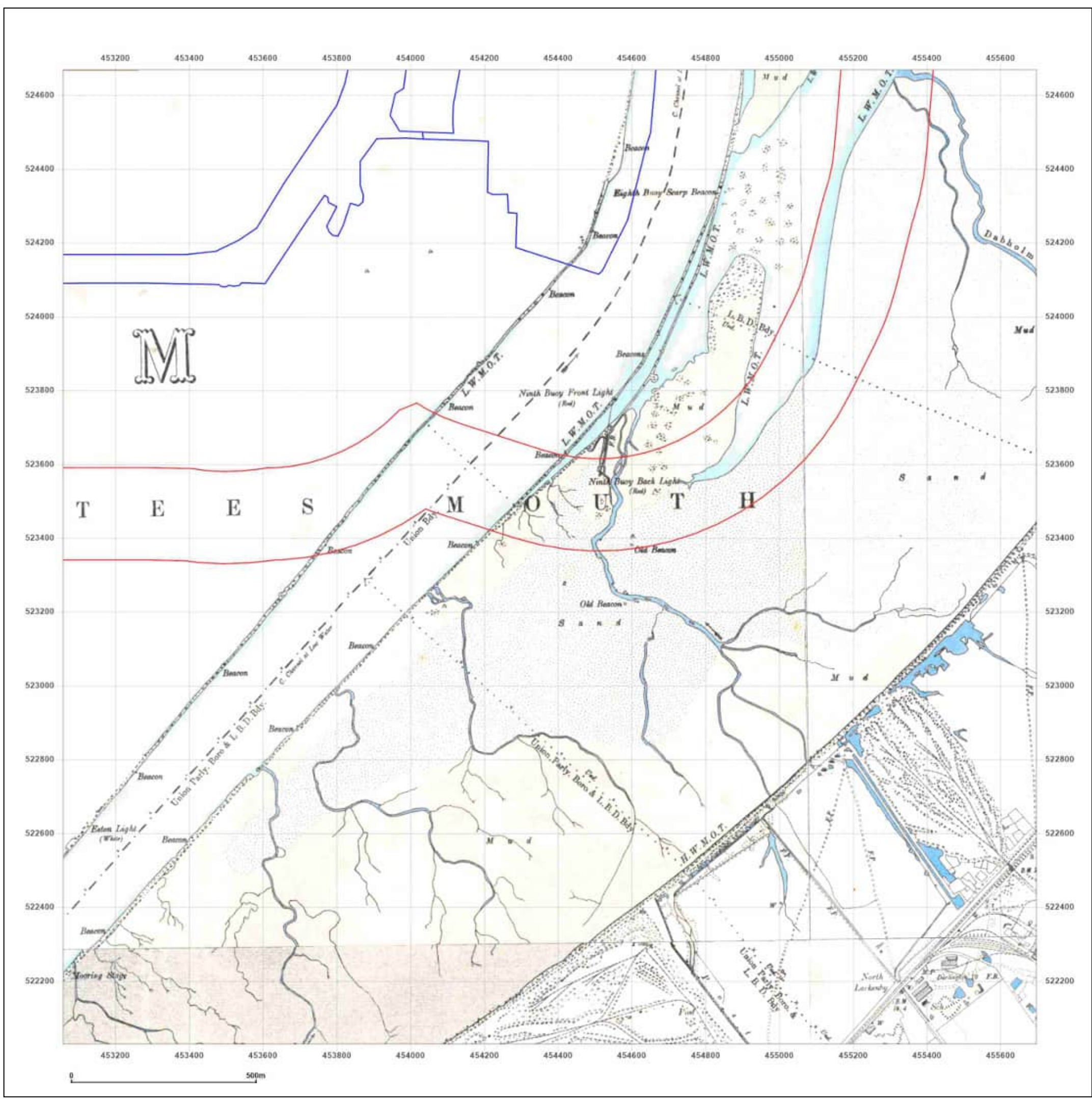


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
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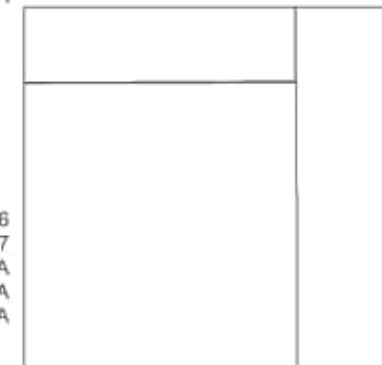
**Map date:** 1896-1897

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1896  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1856  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

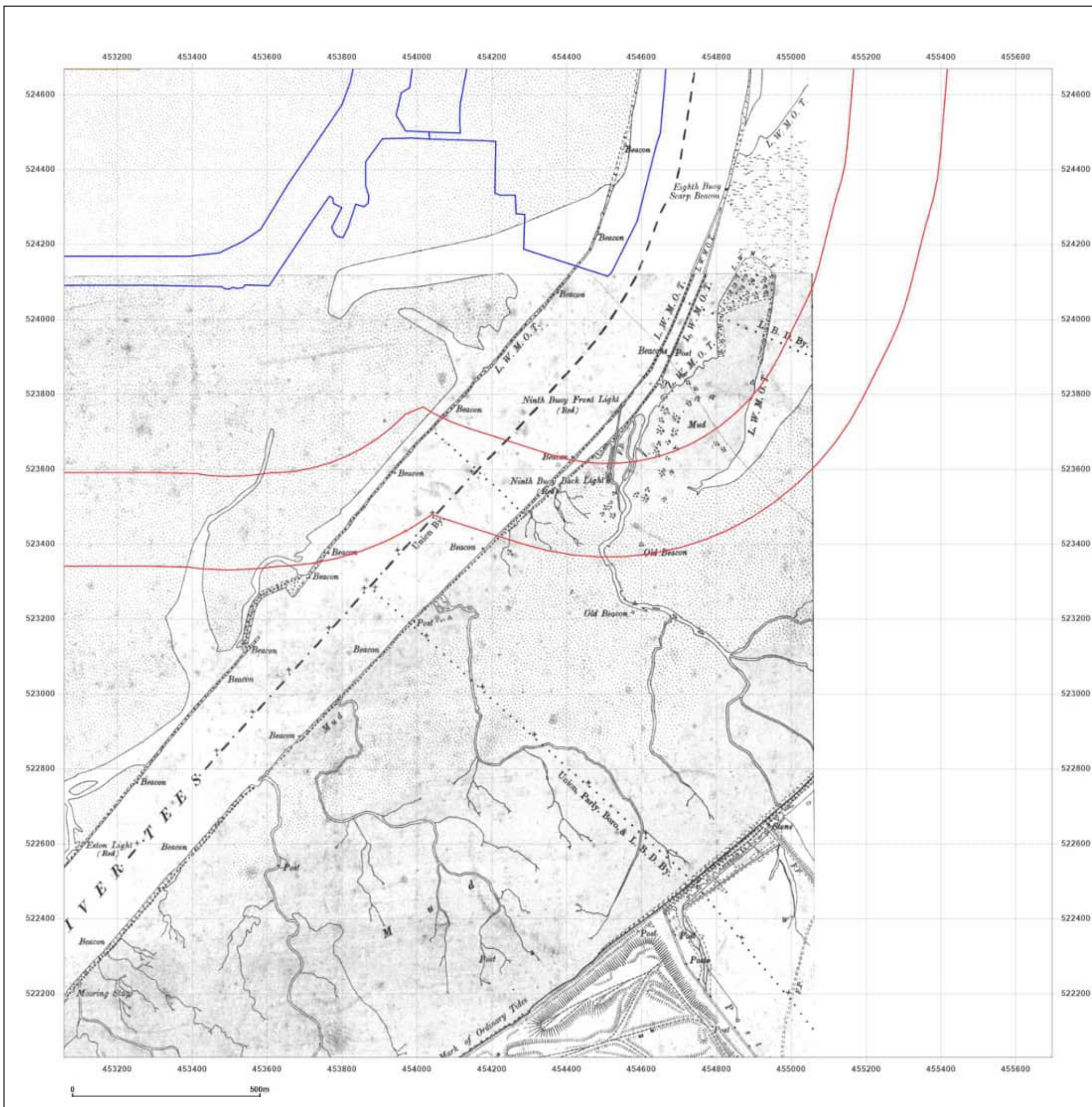


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

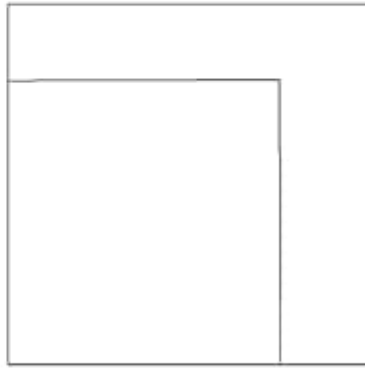
**Map Name:** County Series

**Map date:** 1913

**Scale:** 1:10,560

**Printed at:** 1:10,560





Surveyed 1855  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

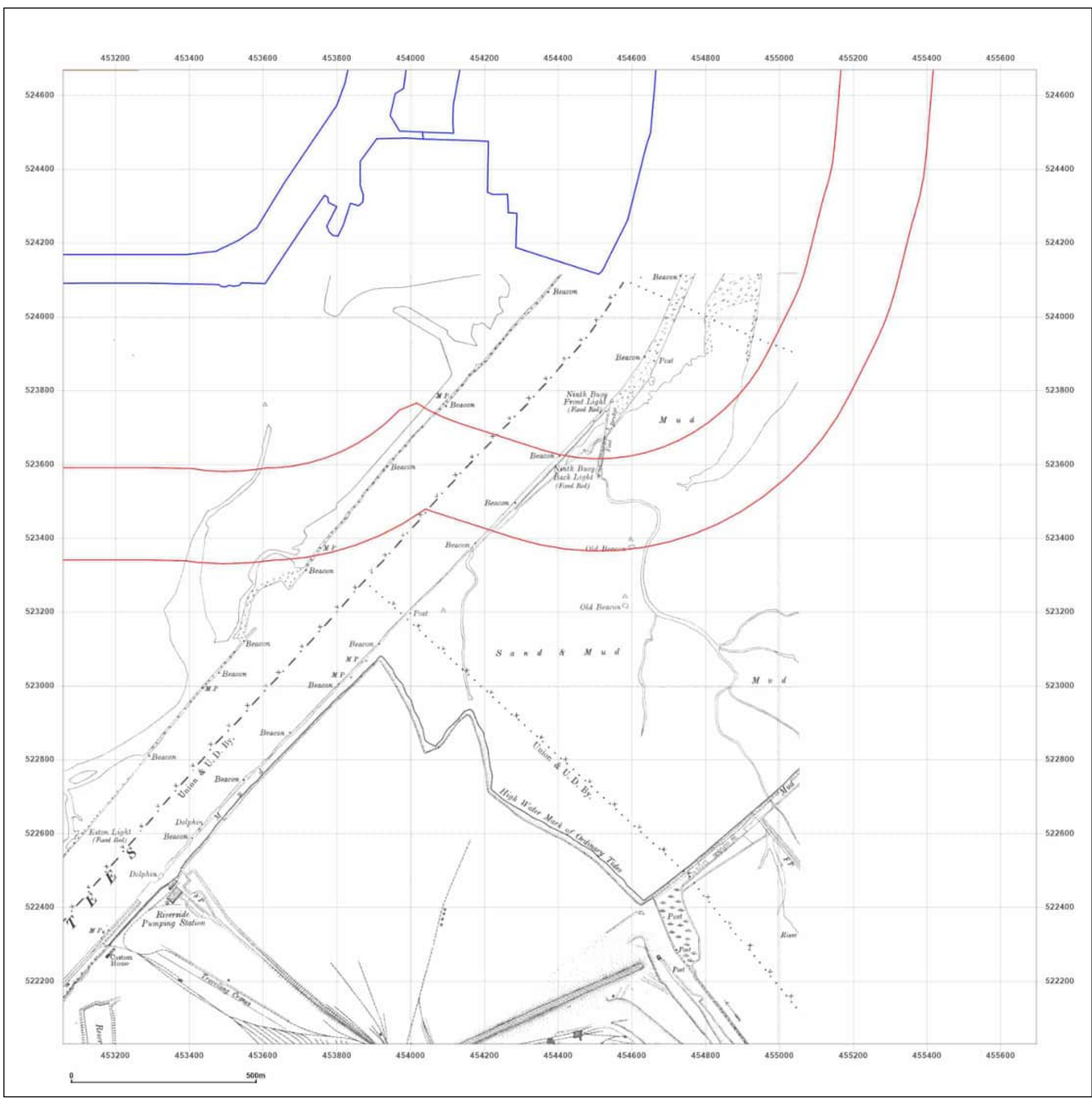


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454377, 523348

**Map Name:** County Series

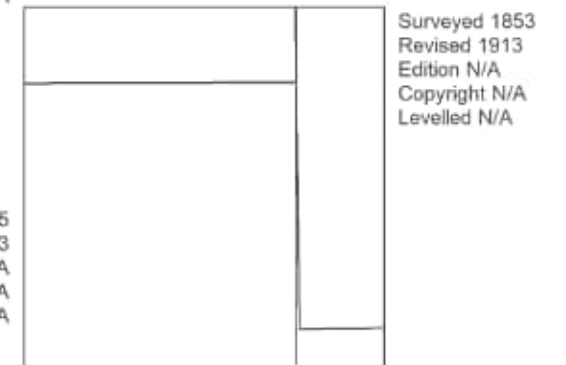
**Map date:** 1913-1914

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1914  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1855  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

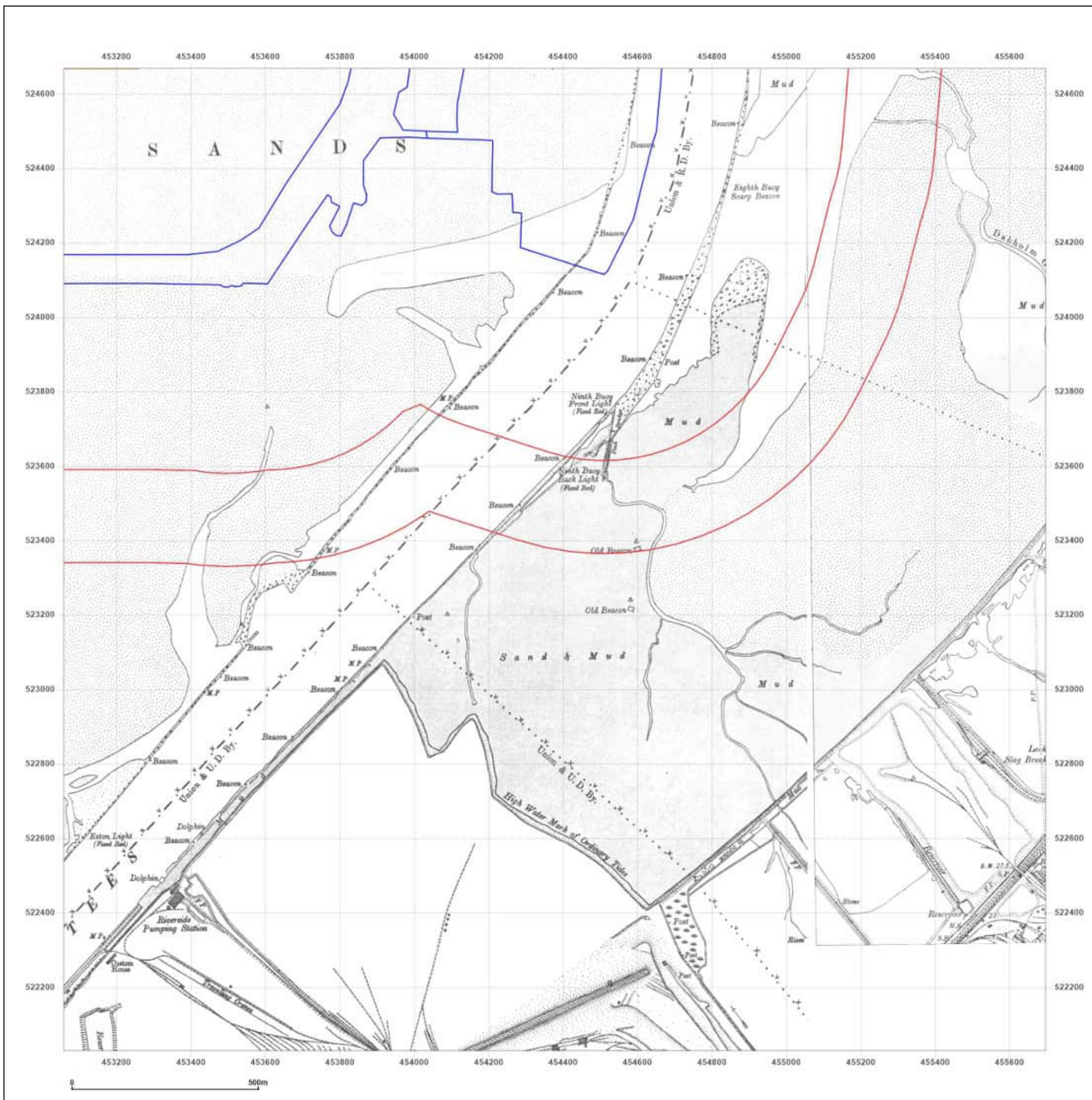


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** County Series

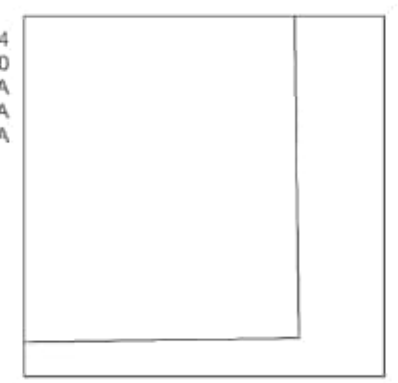
**Map date:** 1920

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1854  
 Revised 1920  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

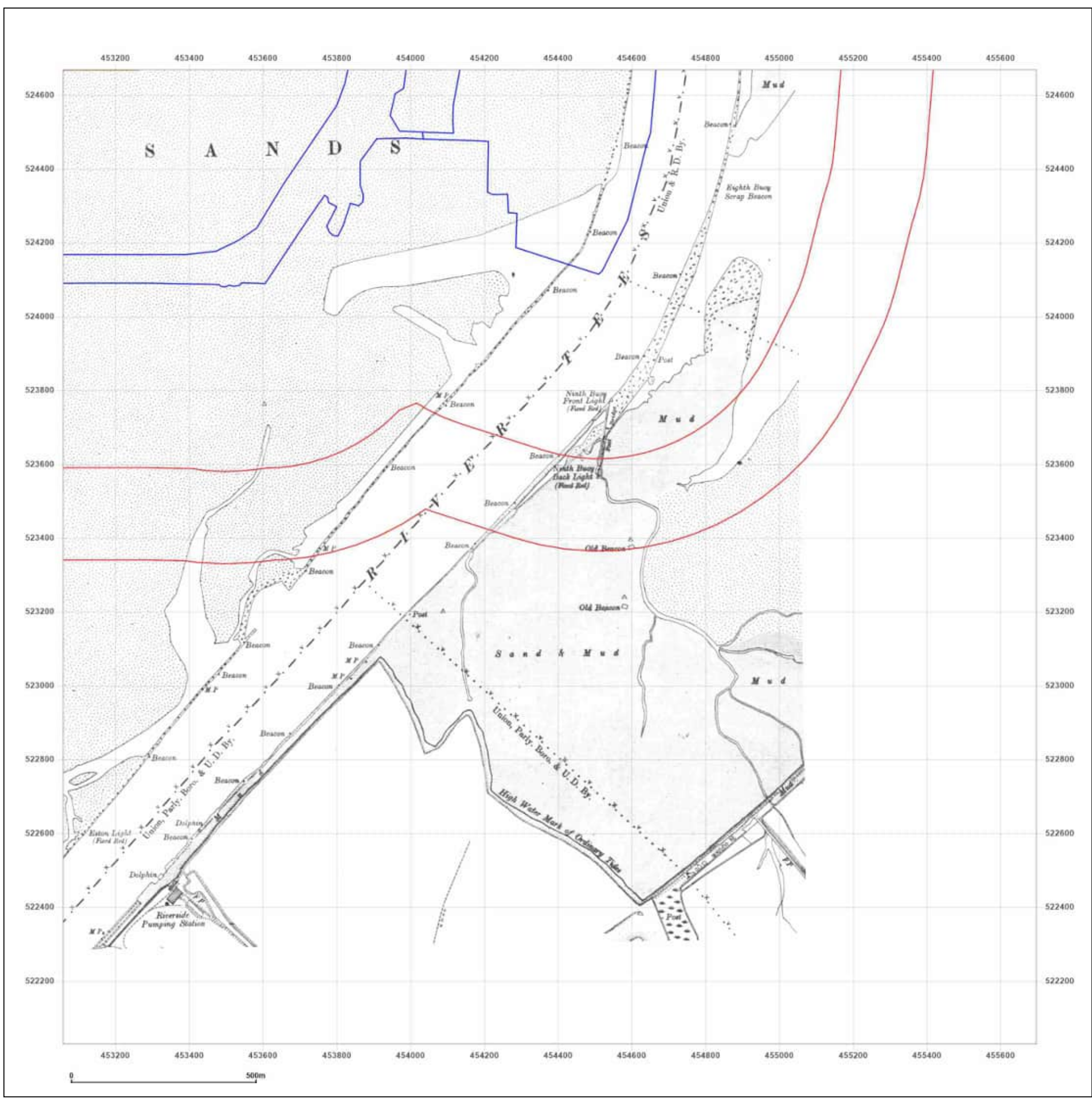


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454377, 523348

**Map Name:** County Series

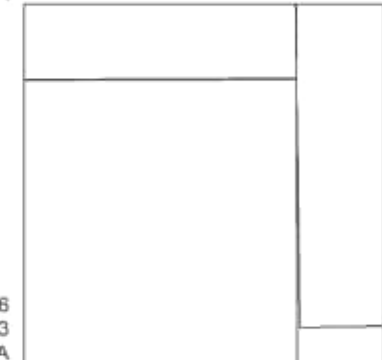
**Map date:** 1923-1927

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1857  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1856  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

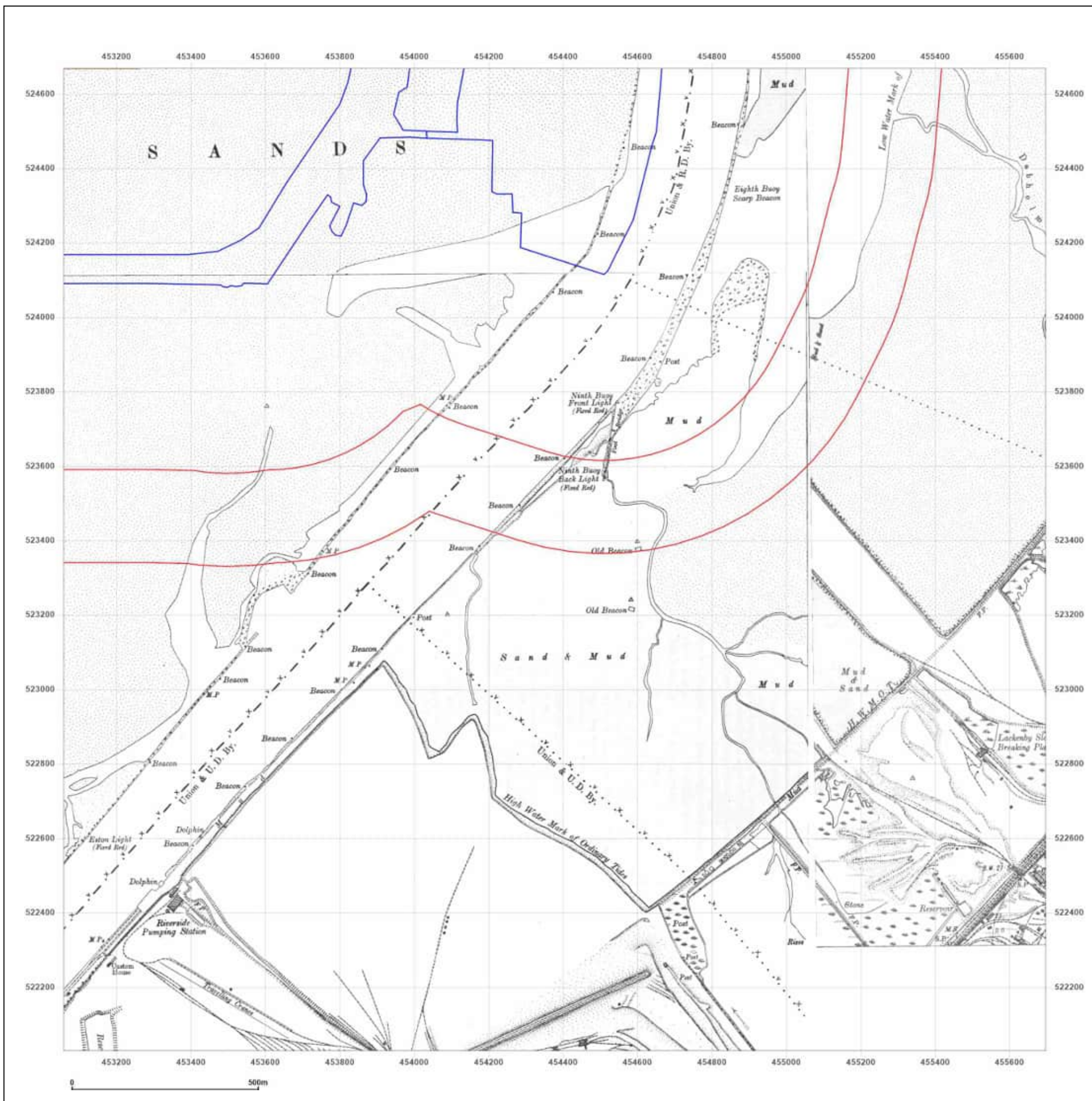


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** County Series

**Map date:** 1927-1930

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1854  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright 1930  
 Levelled 1911

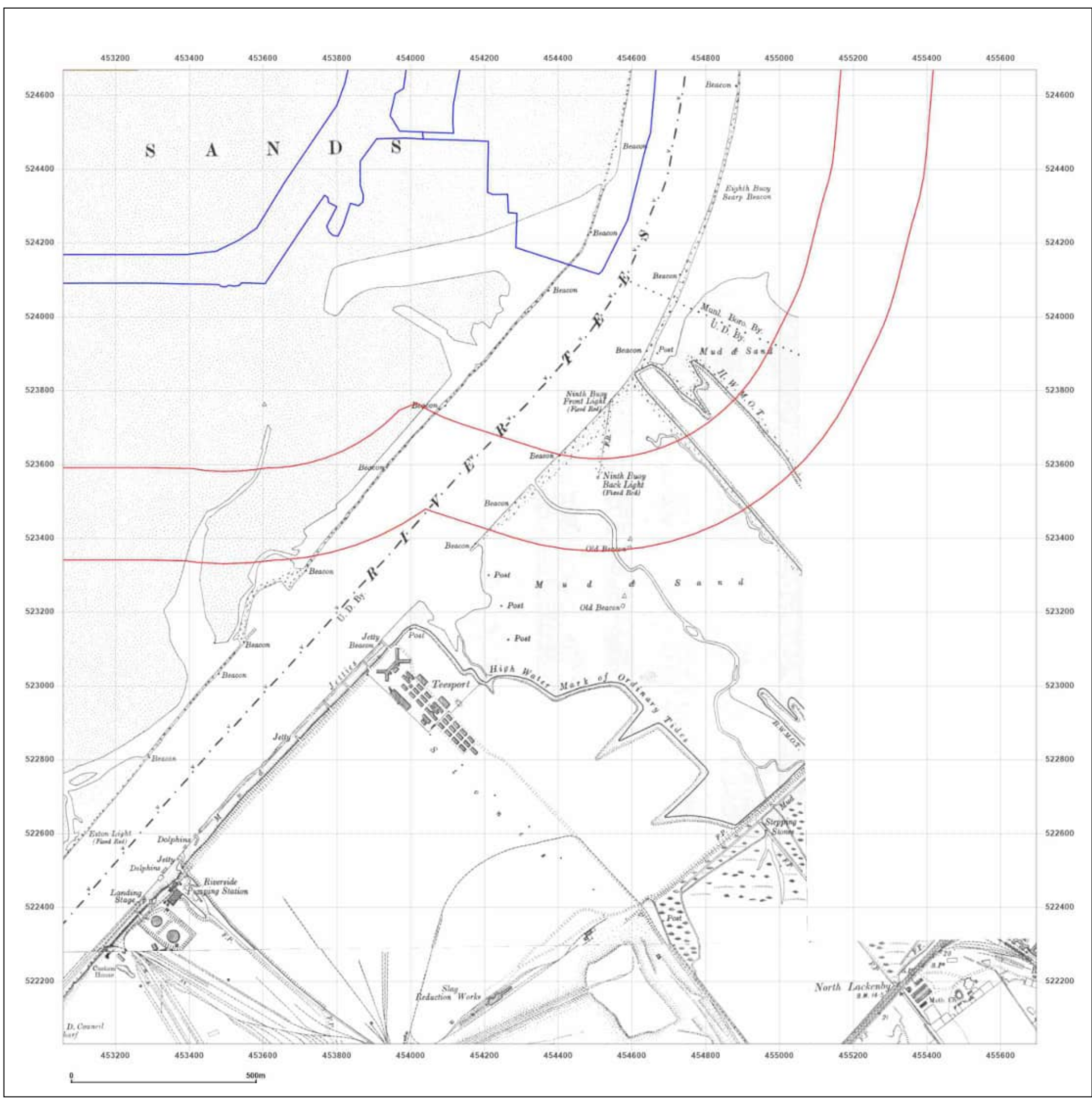


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
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**Map Name:** County Series

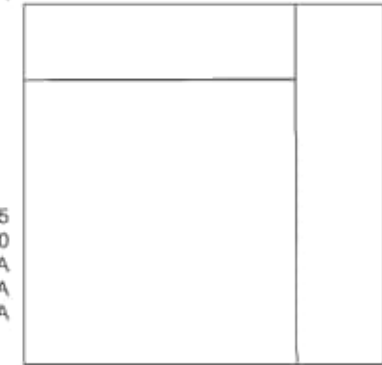
**Map date:** 1950

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1950  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1855  
 Revised 1950  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

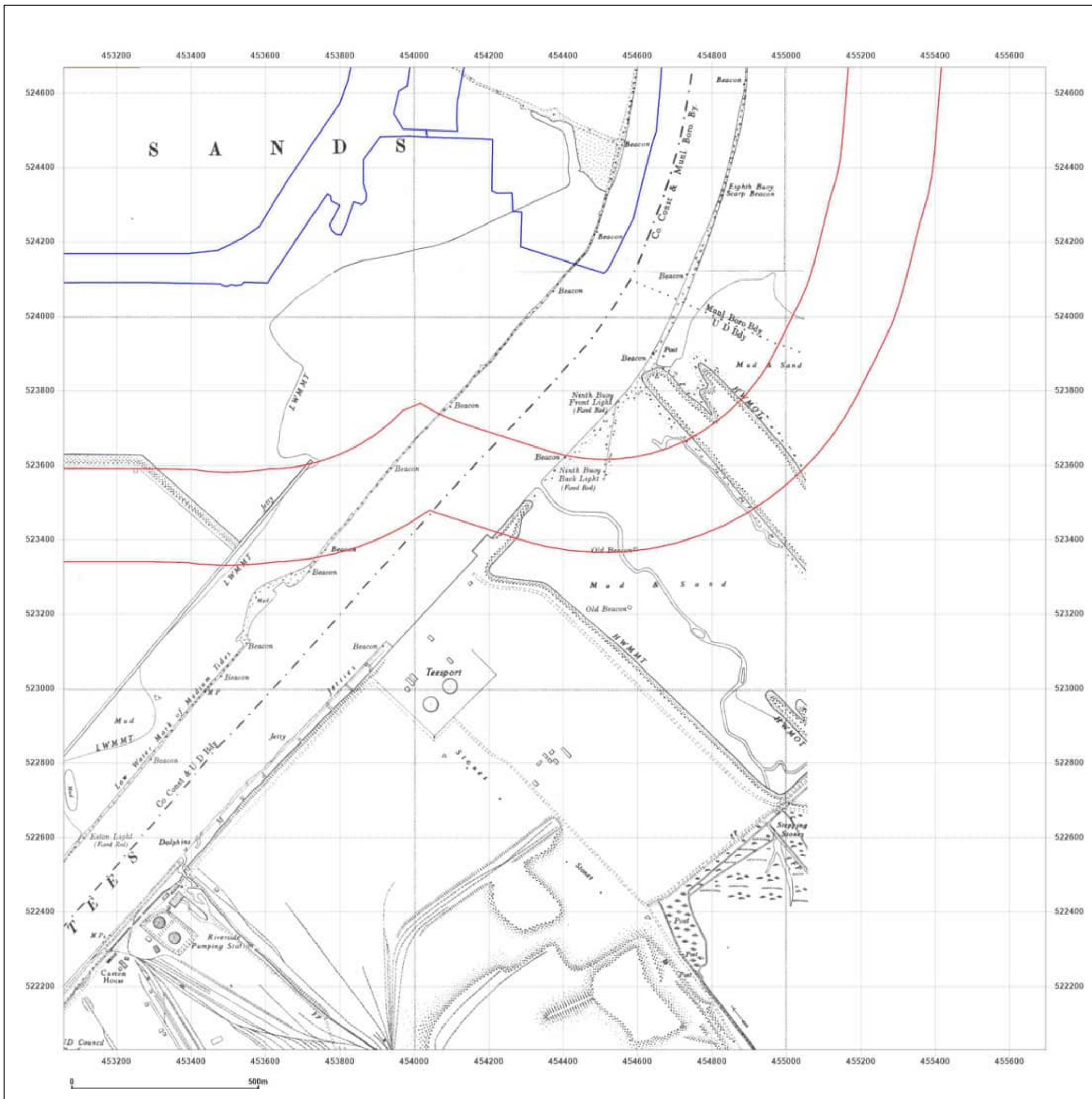


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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** Provisional

**Map date:** 1952-1955

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1950  
 Revised 1955  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed N/A  
 Revised 1952  
 Edition N/A  
 Copyright 1952  
 Levelled N/A

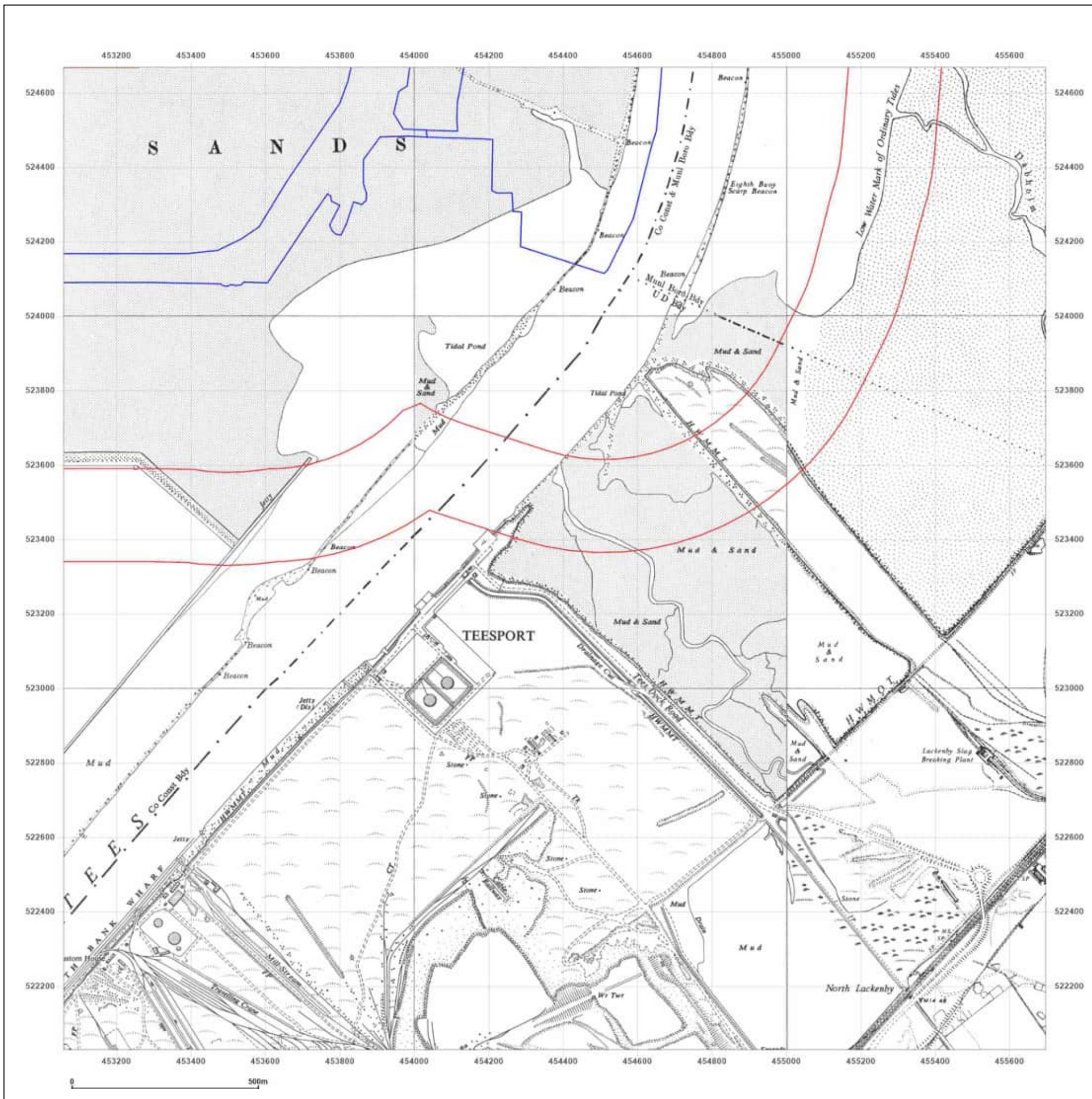


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**Site Details:**

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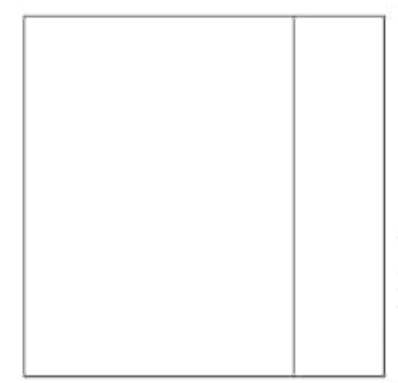
**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** National Grid

**Map date:** 1974

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1973  
 Revised 1974  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

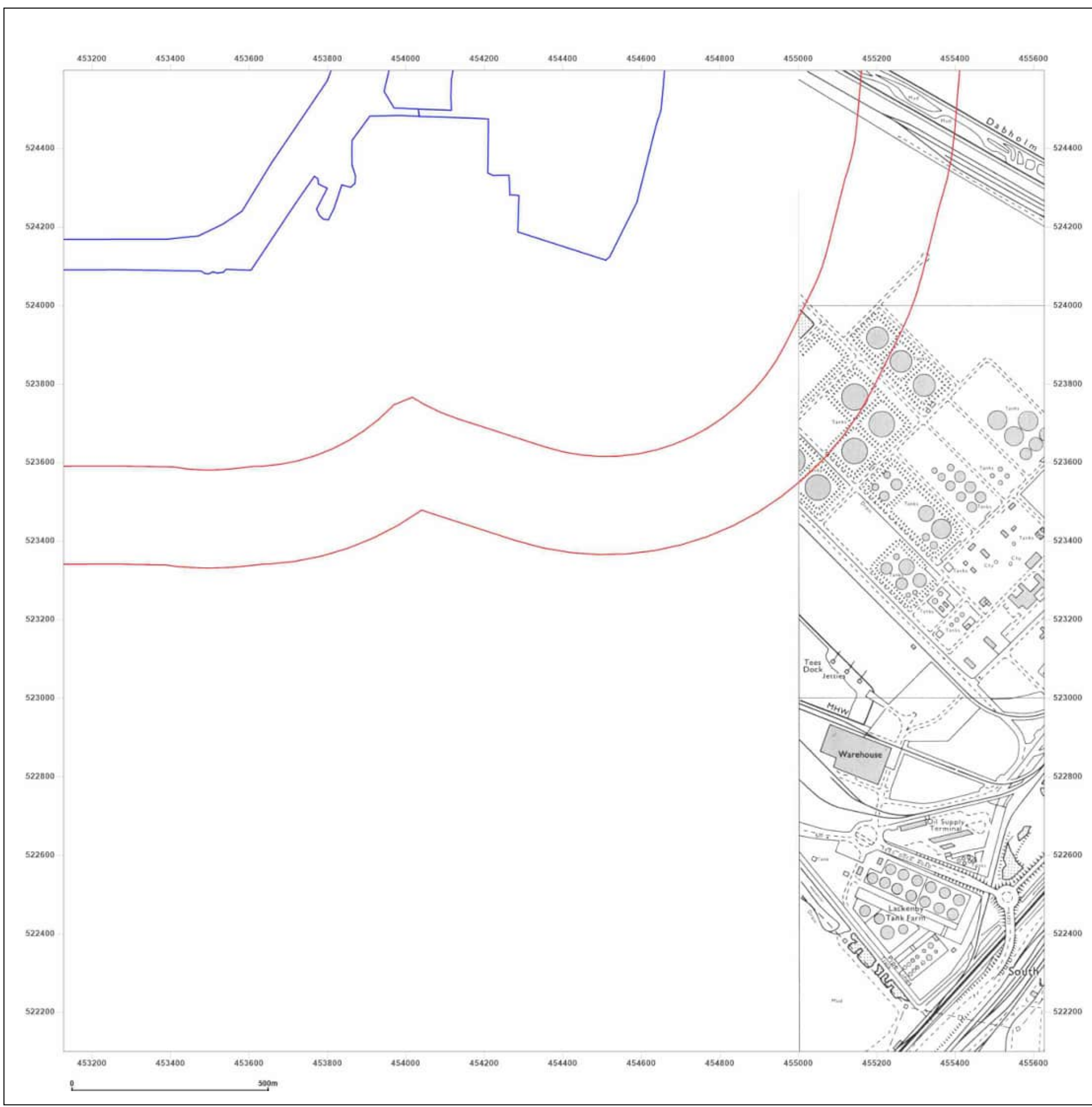


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** National Grid

**Map date:** 1983-1988

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1986  
 Revised 1988  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1983  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

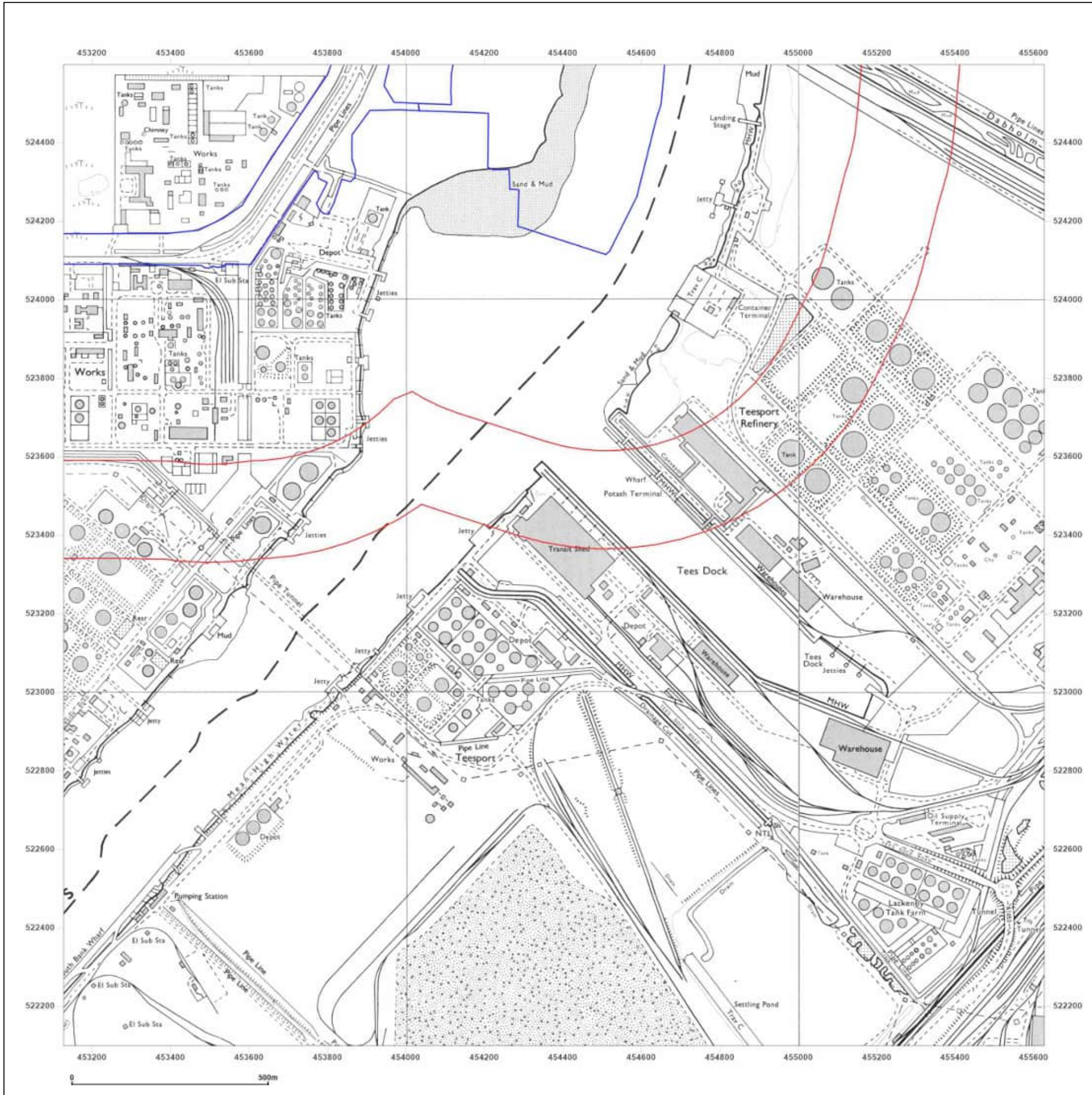


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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** National Grid

**Map date:** 1991-1992

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1986  
 Revised 1992  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1989  
 Revised 1991  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

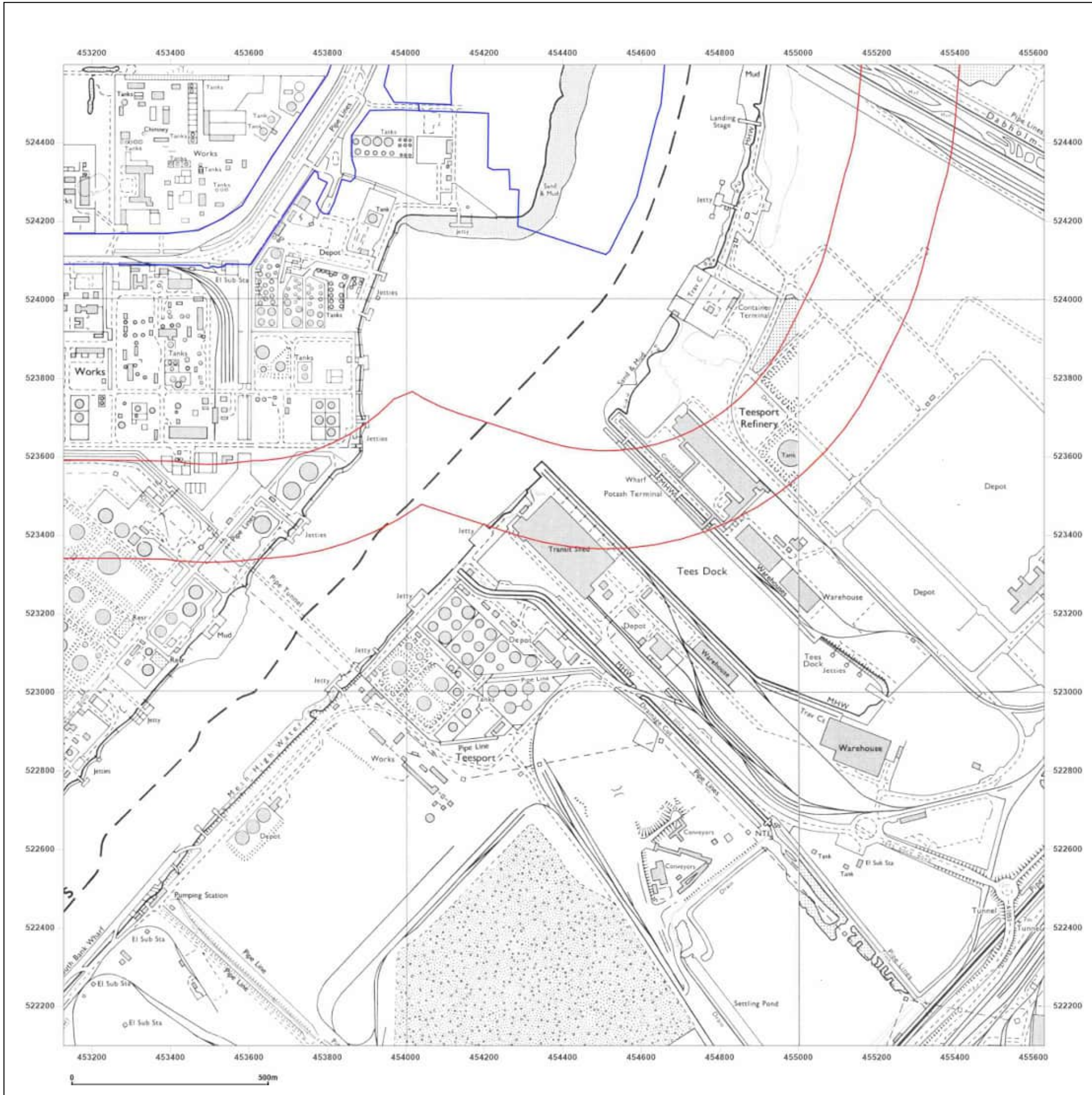


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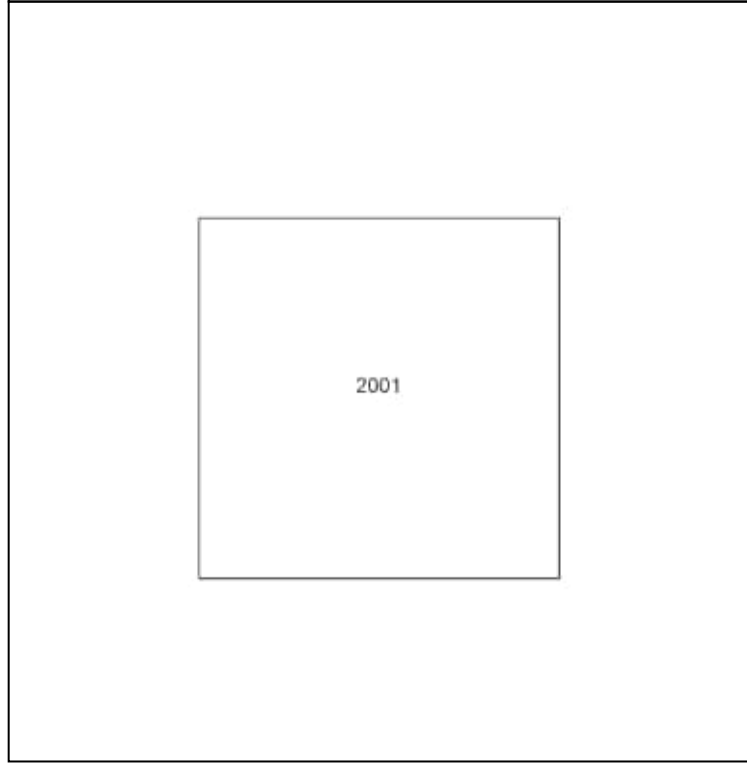
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**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

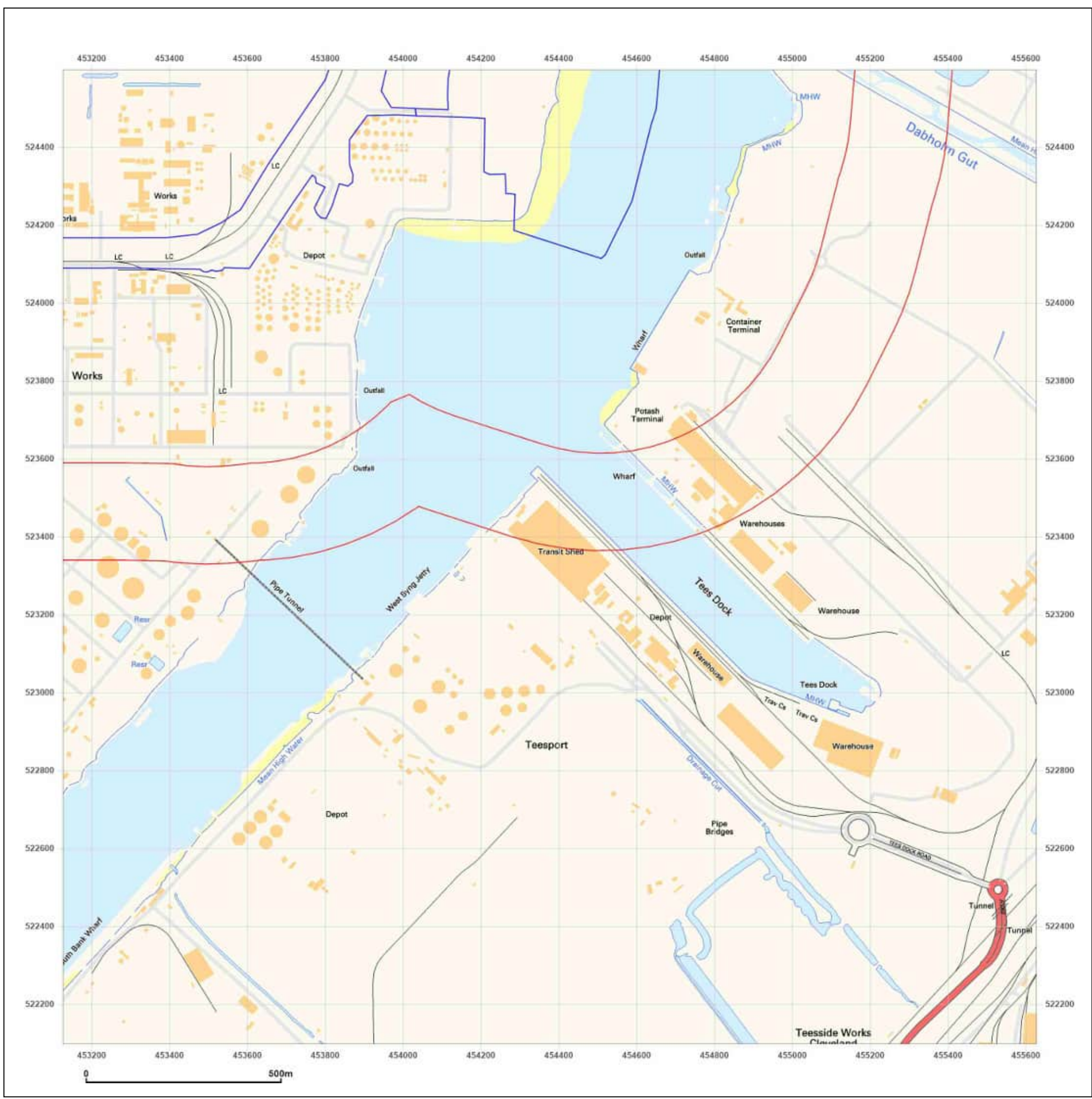


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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_1  
**Grid Ref:** 454377, 523348

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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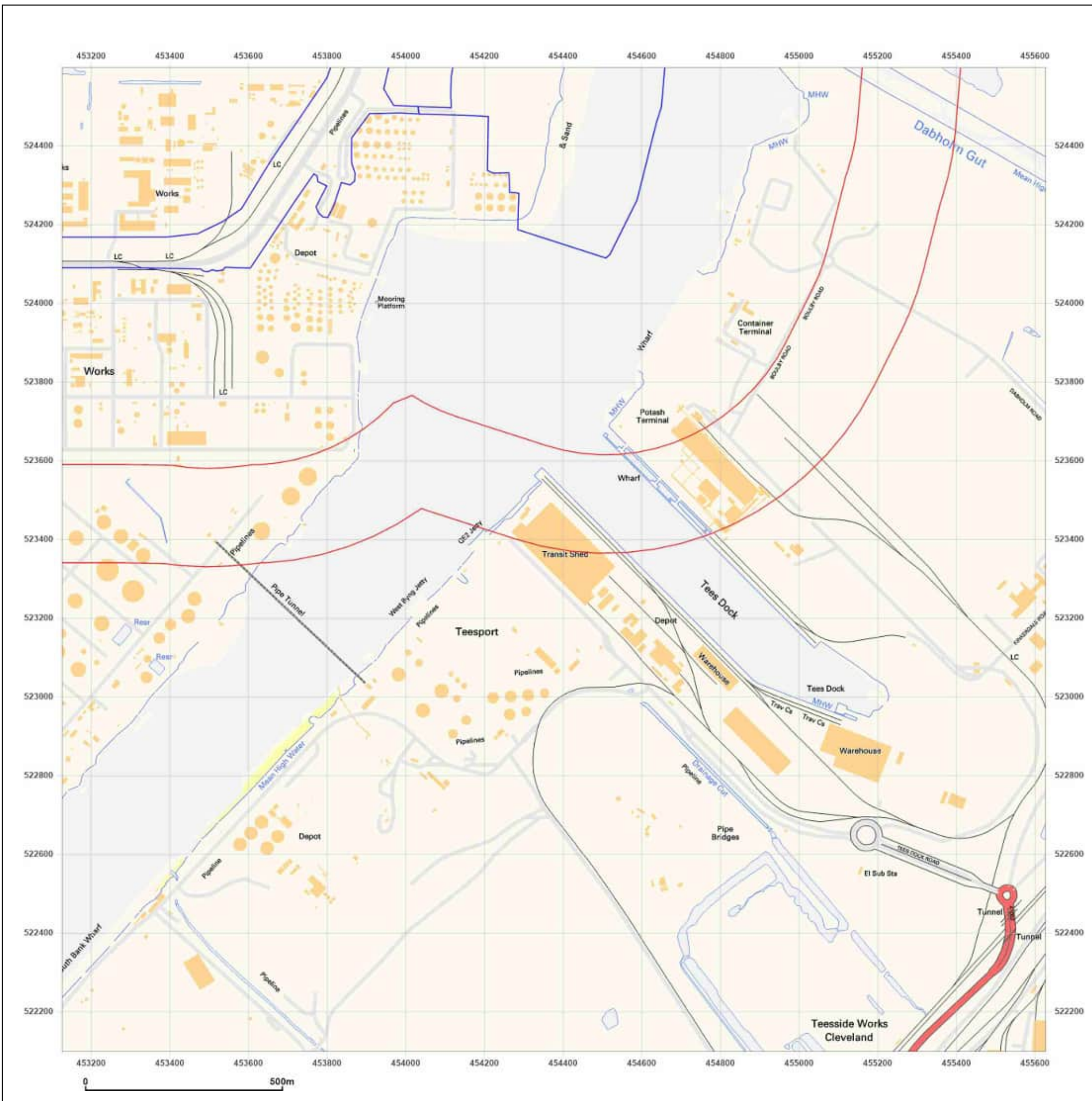


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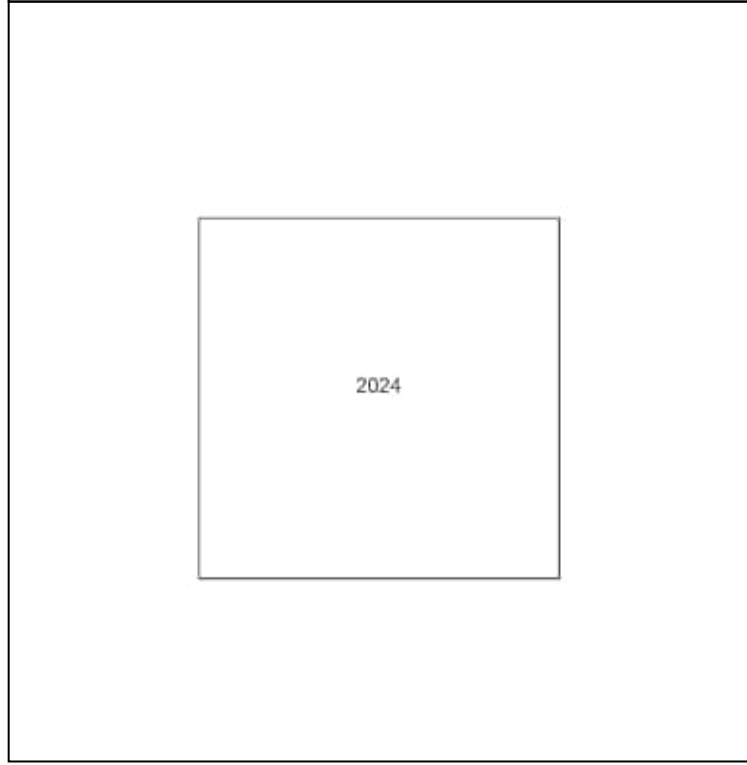
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**Map Name:** National Grid

**Map date:** 2024

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**Printed at:** 1:10,000

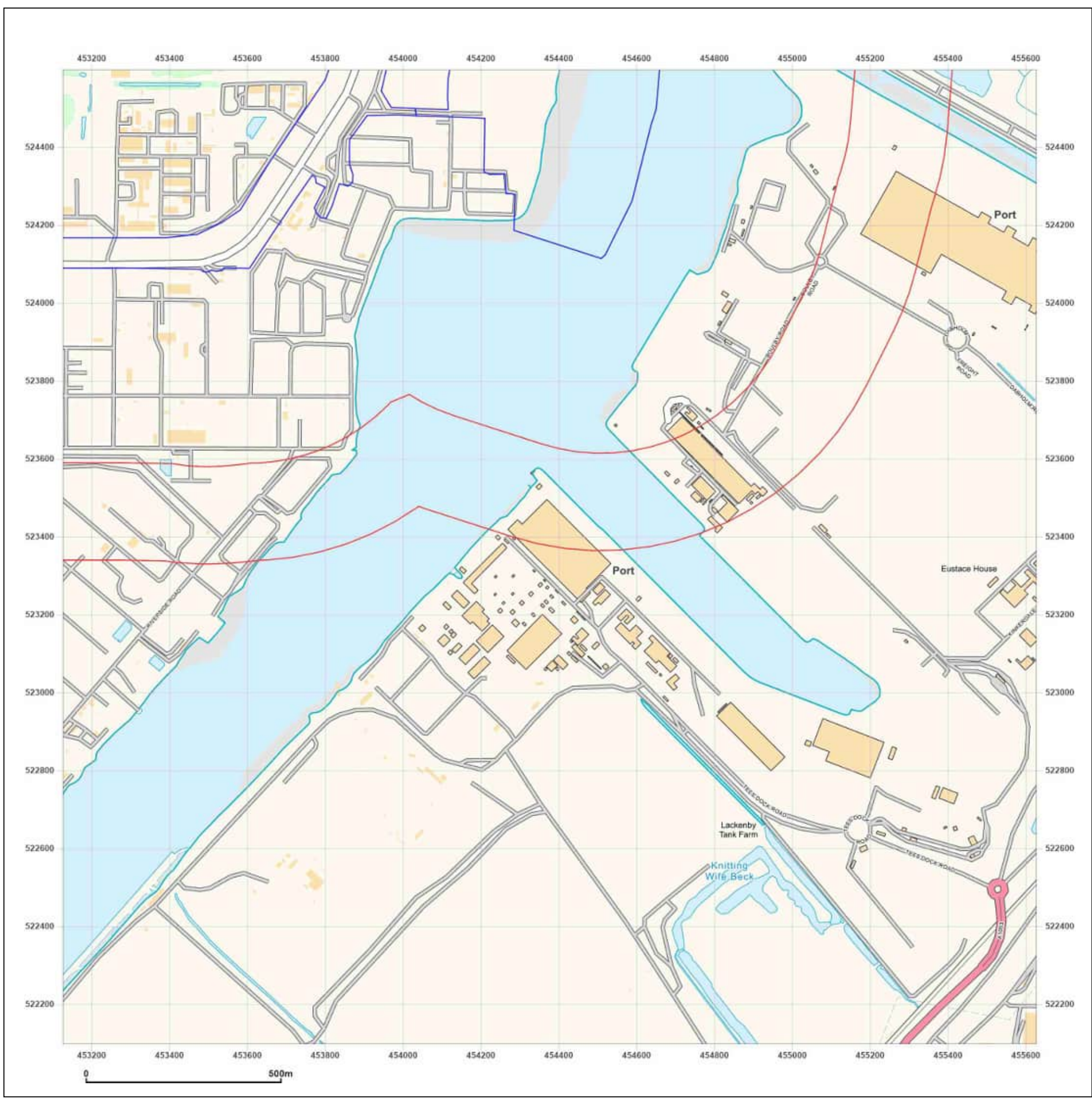


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

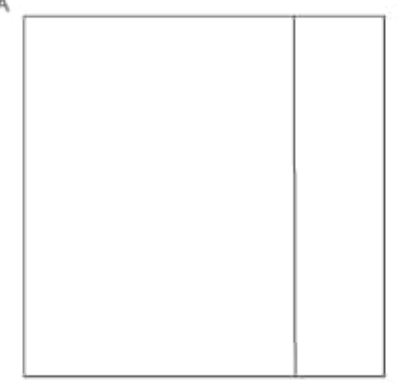
**Map date:** 1855

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1855  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

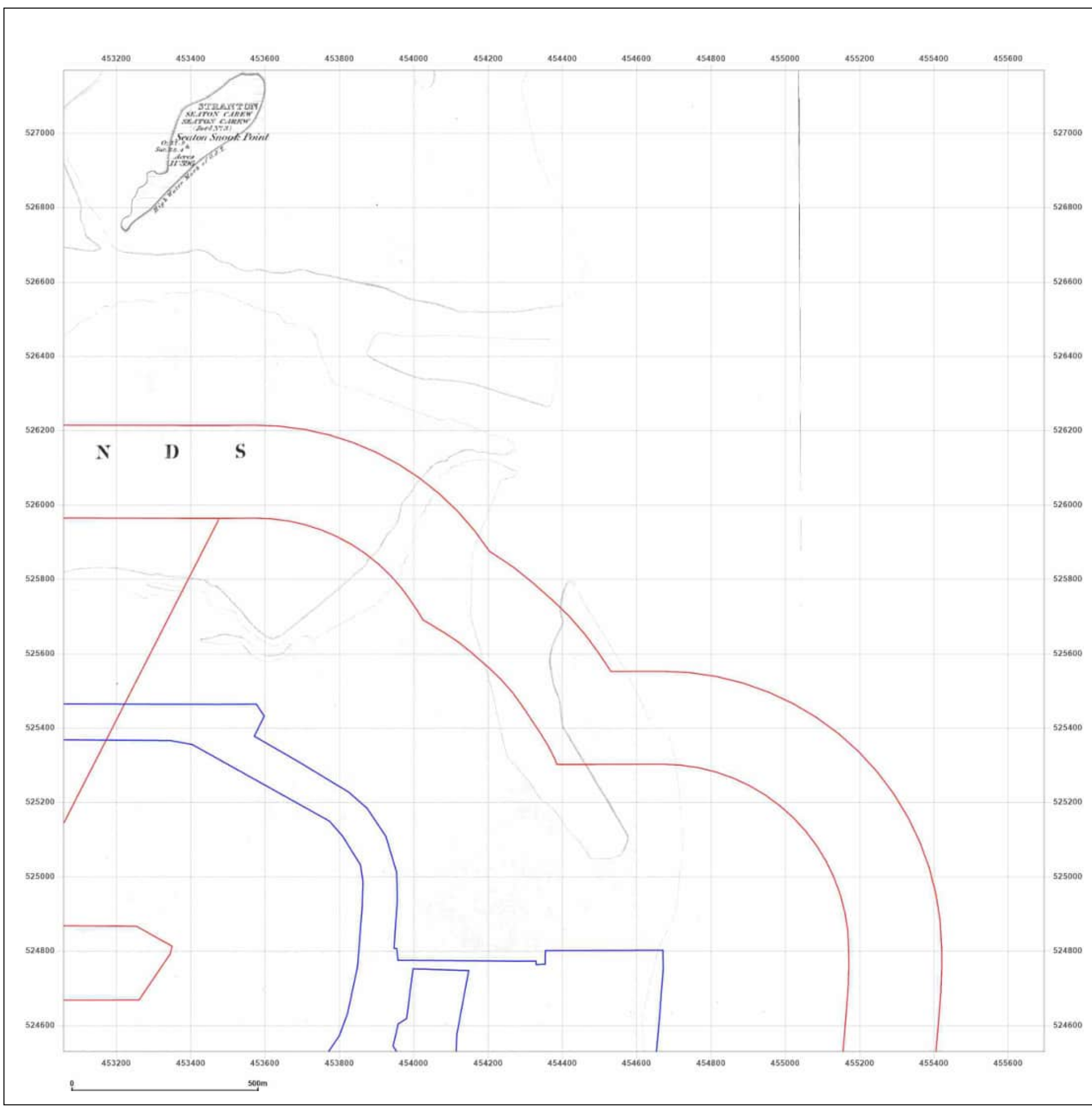


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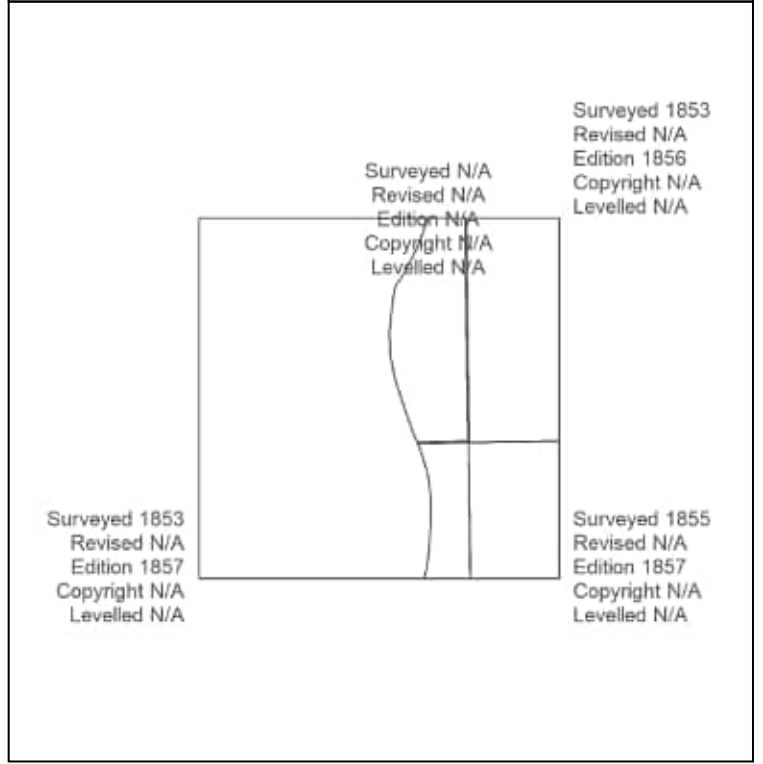
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**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1854-1857

**Scale:** 1:10,560

**Printed at:** 1:10,560

Surveyed 1853  
Revised N/A  
Edition 1856  
Copyright N/A  
Levelled N/A

Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1853  
Revised N/A  
Edition 1857  
Copyright N/A  
Levelled N/A

Surveyed 1855  
Revised N/A  
Edition 1857  
Copyright N/A  
Levelled N/A

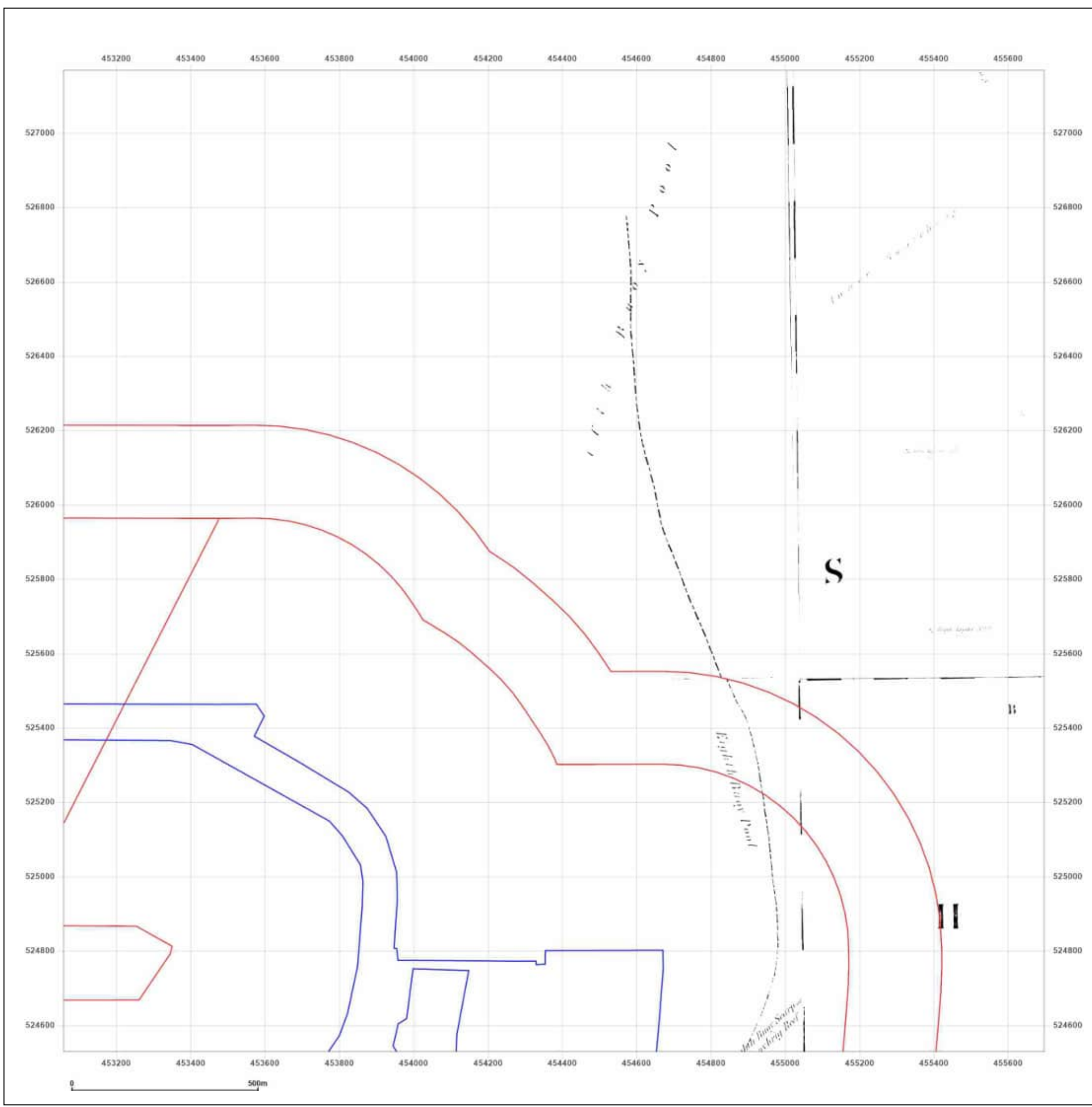


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

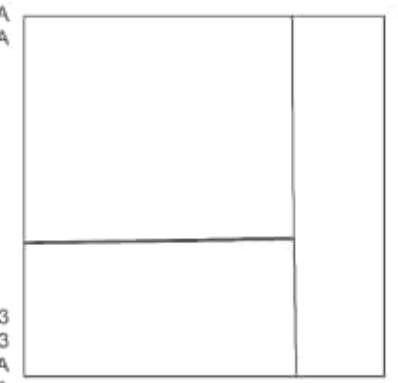
**Map date:** 1893

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

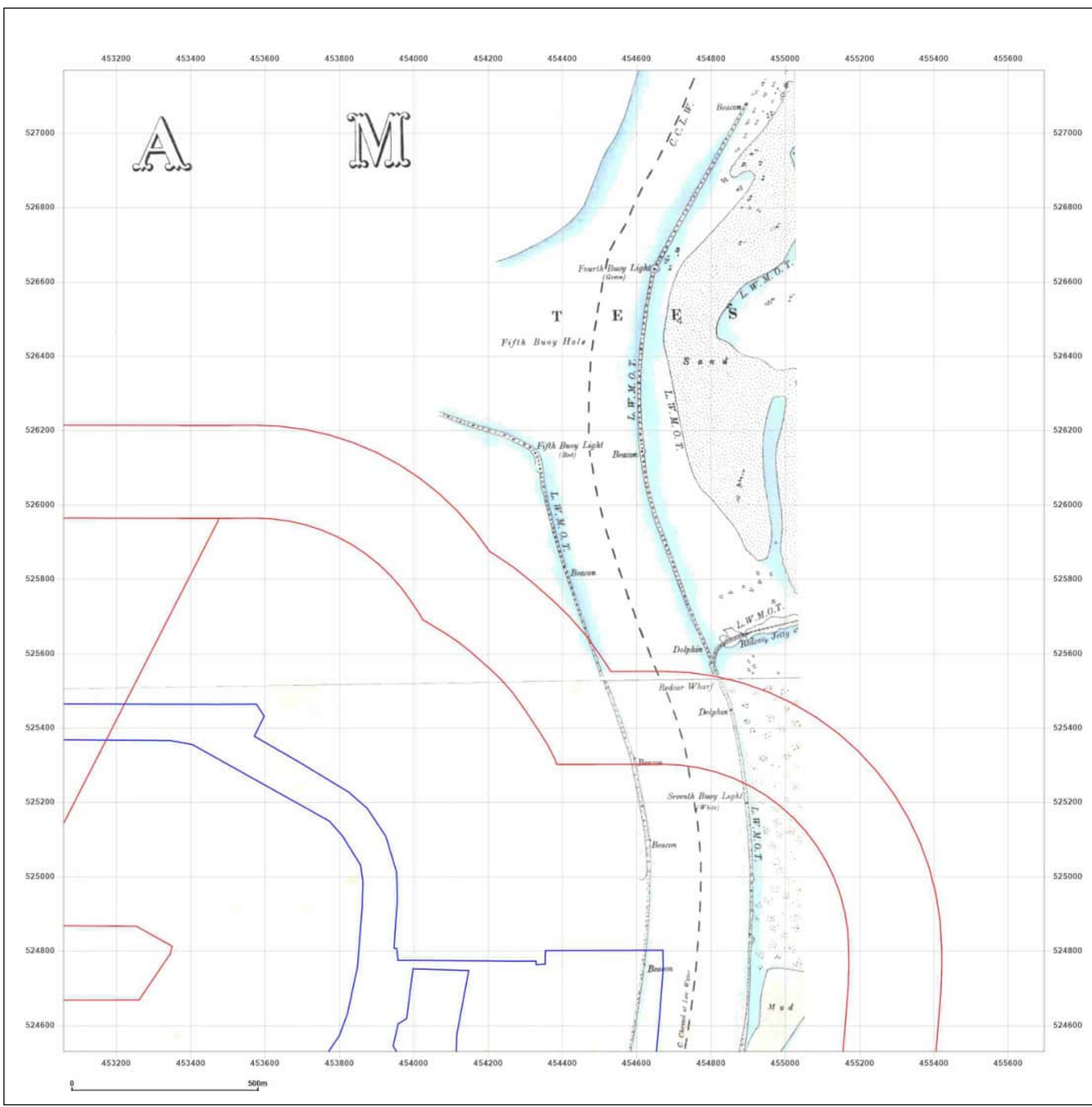


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

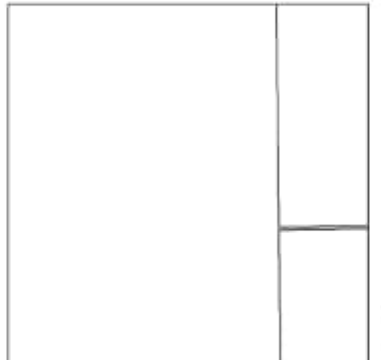
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Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1893  
 Revised 1893  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

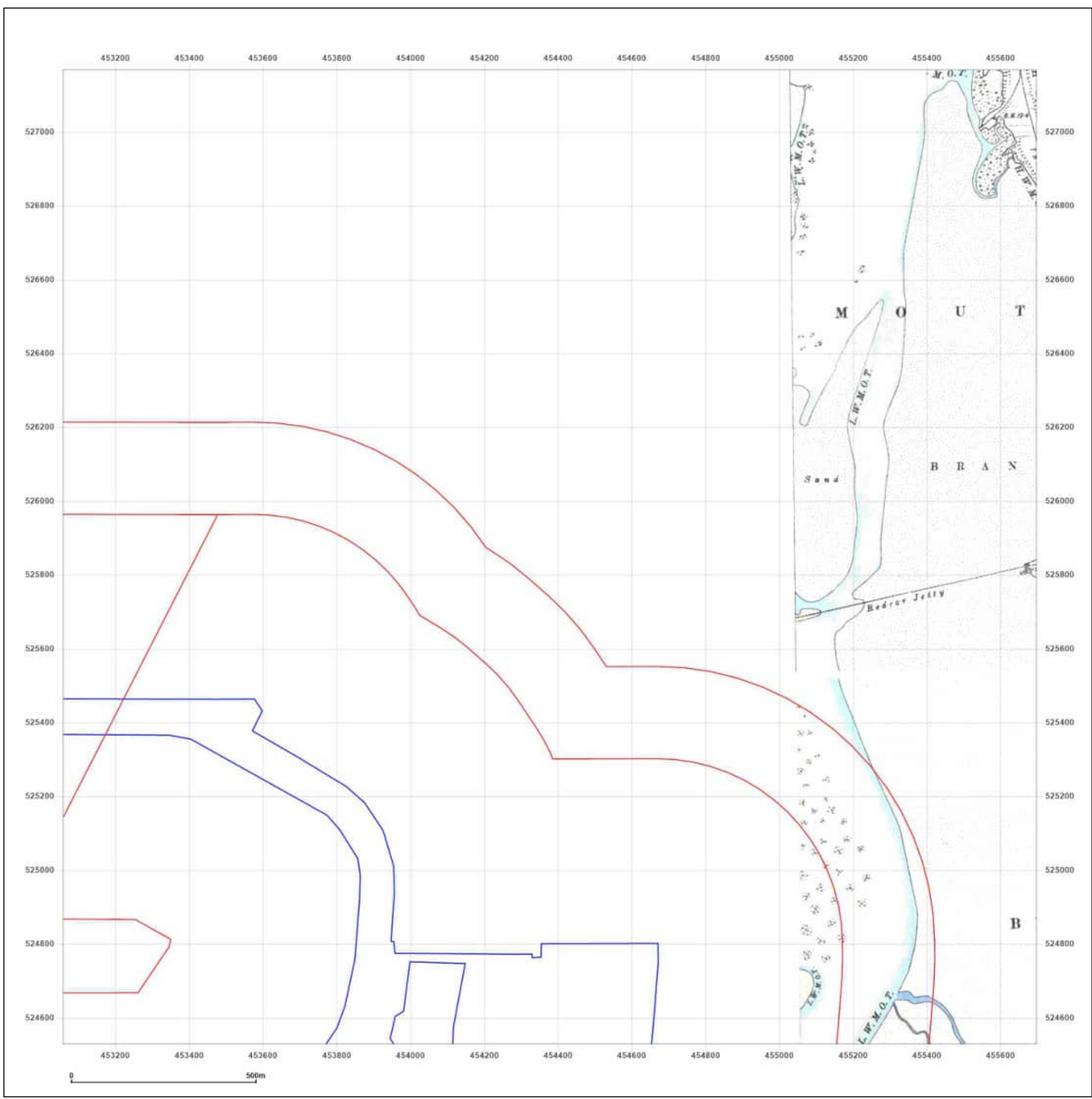


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1896

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1855  
 Revised 1896  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

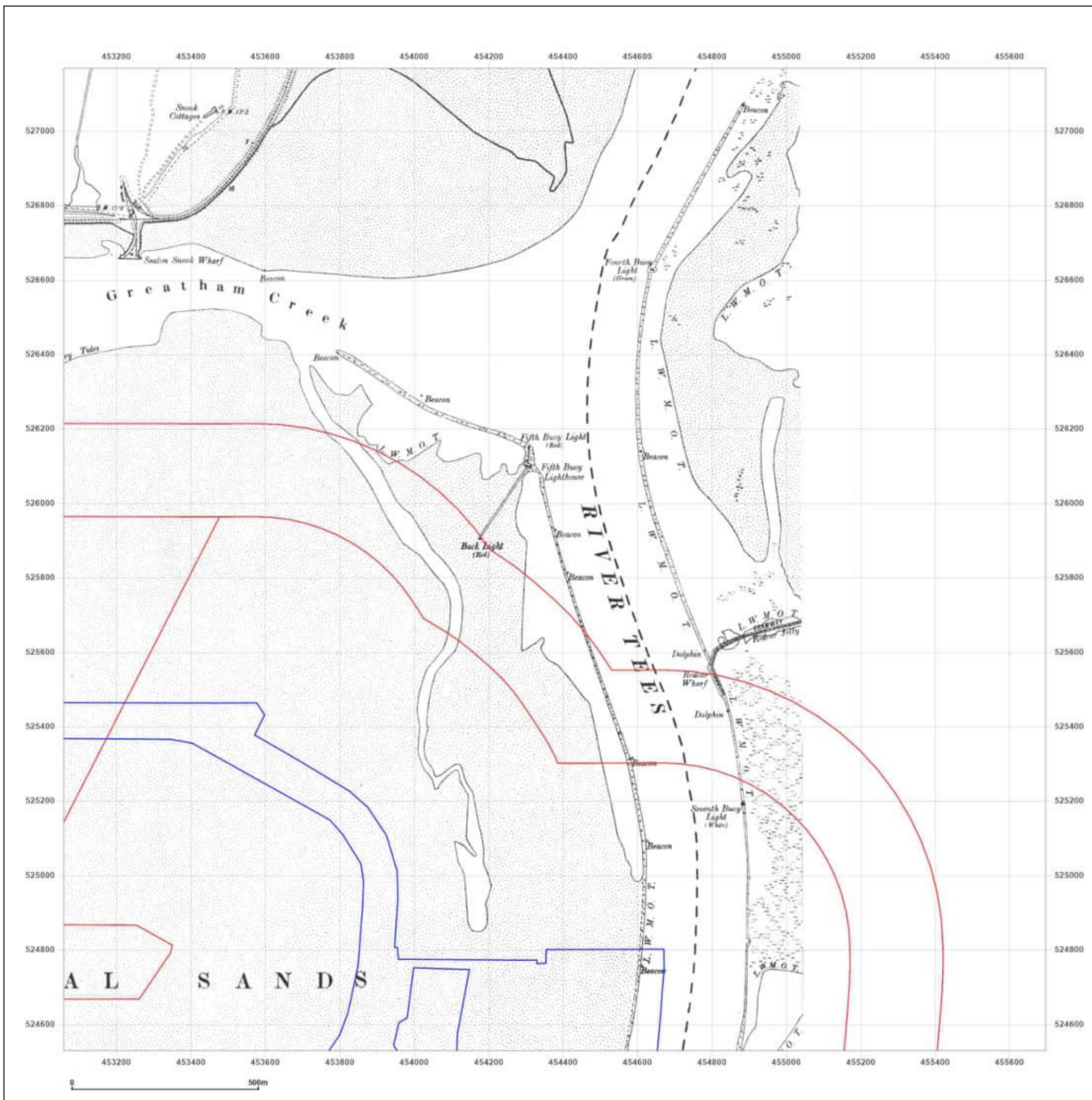


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1913

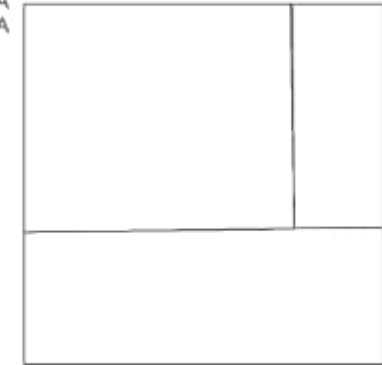
**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1853  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

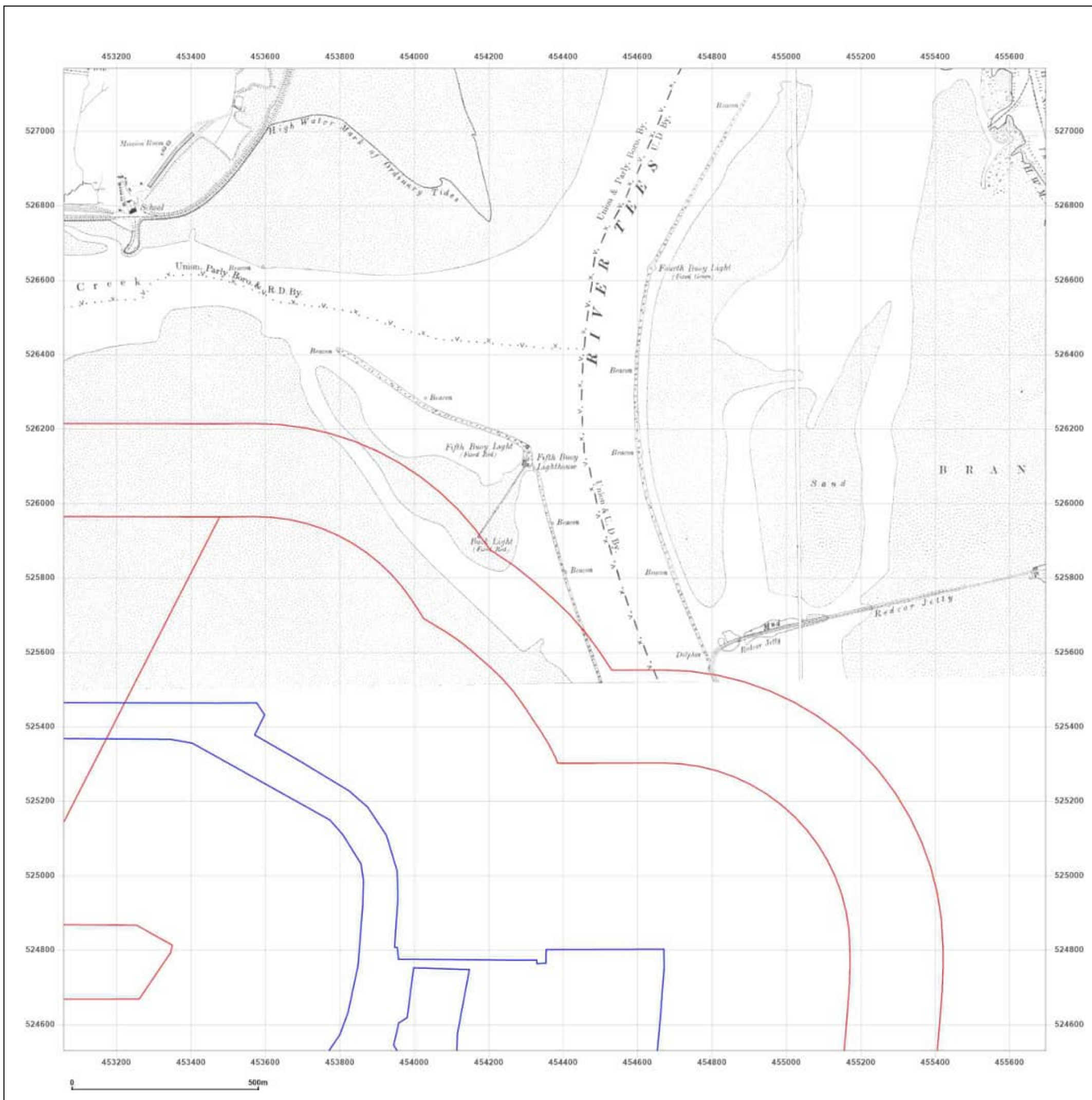


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**Report Ref:** GSIP-2024-14521-17090\_SS\_2\_2  
**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1913-1914

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1914  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1913  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

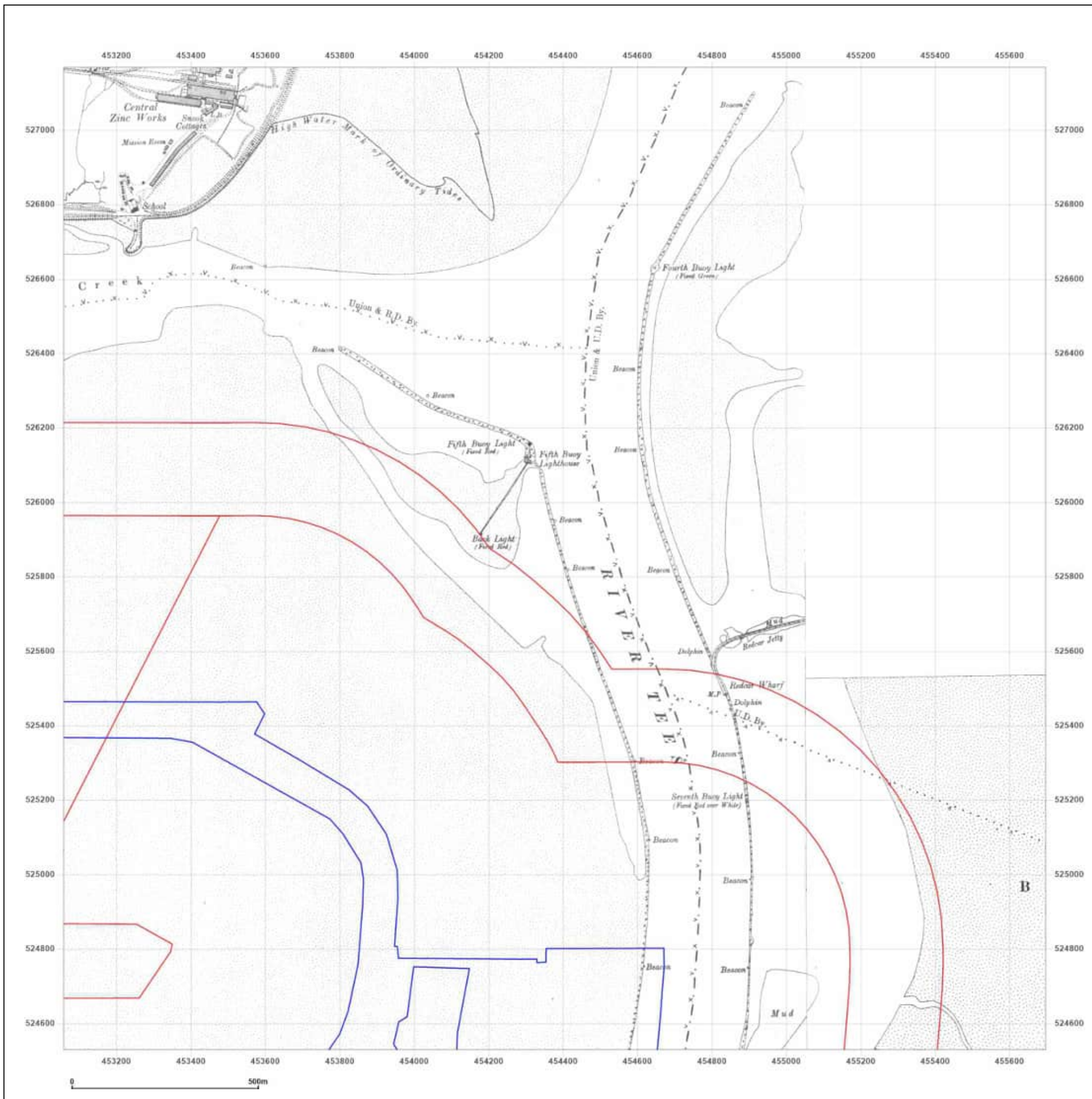


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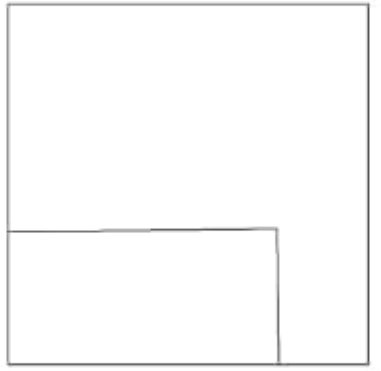
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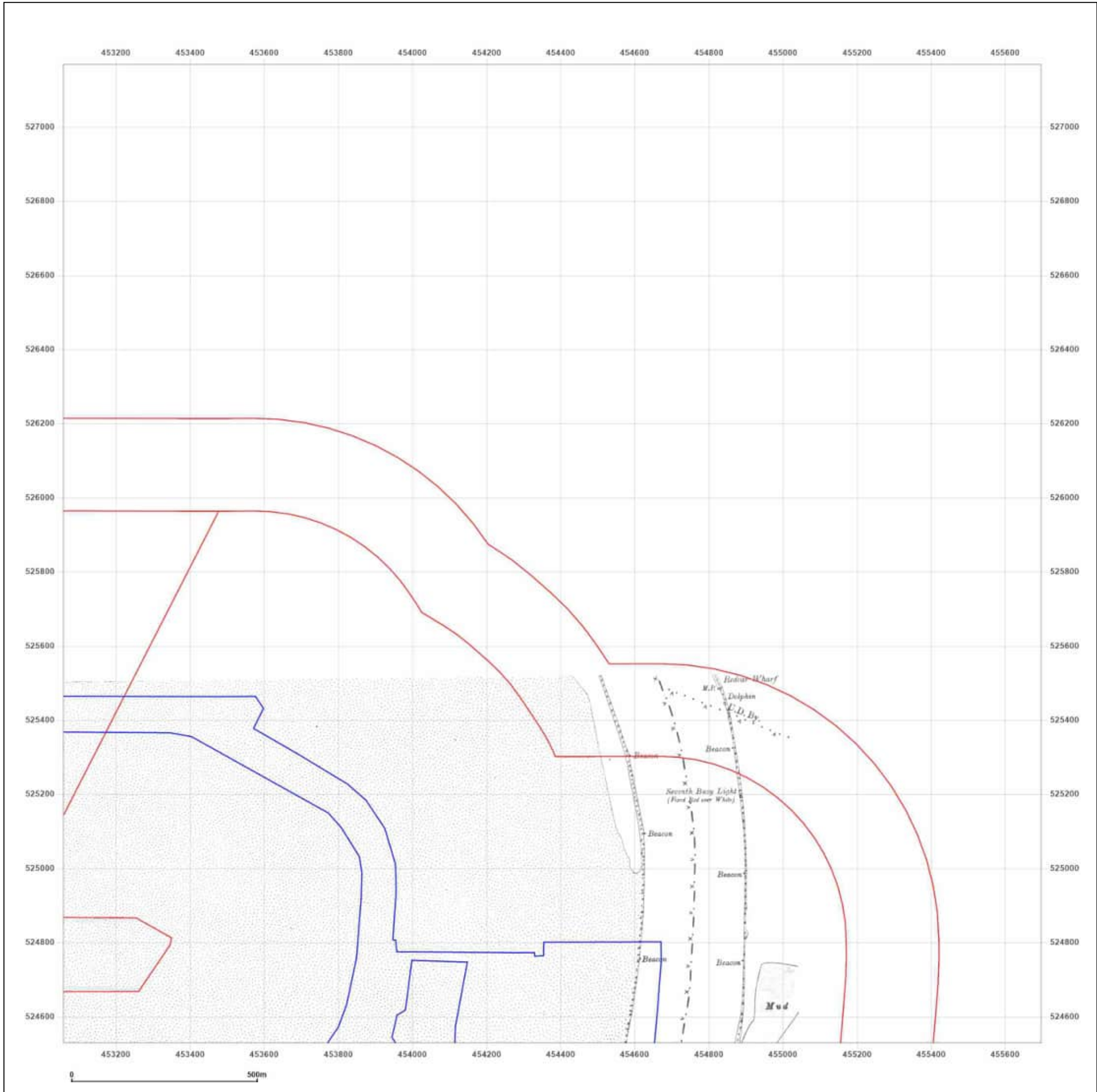
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**Printed at:** 1:10,560

Surveyed 1854  
 Revised 1920  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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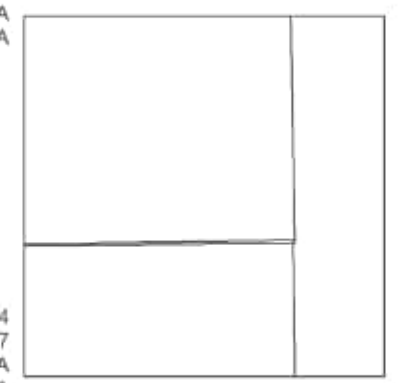
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**Printed at:** 1:10,560



Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1854  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

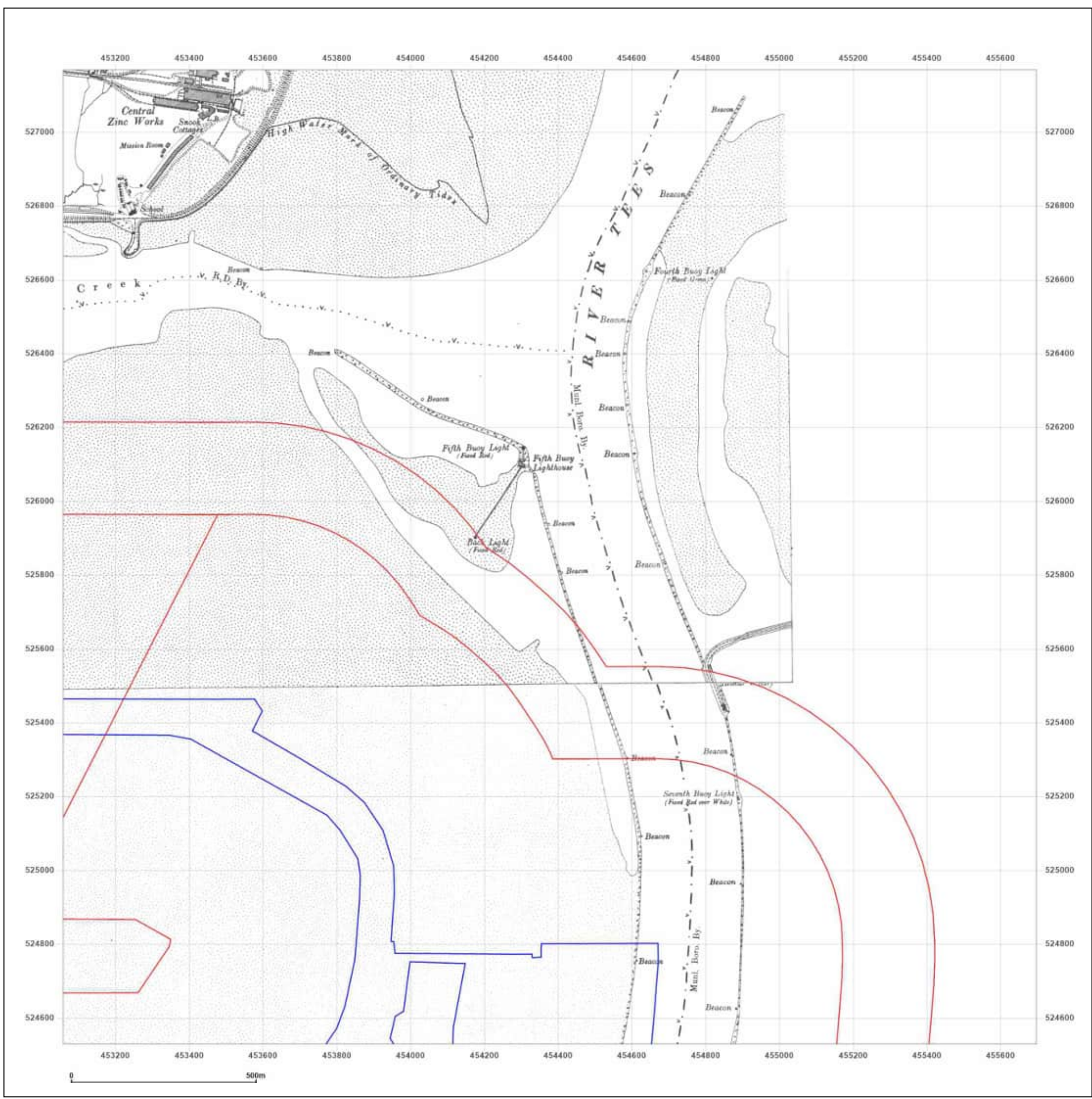


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**Site Details:**

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**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1923-1927

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1857  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1927  
 Edition N/A  
 Copyright N/A  
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Surveyed 1853  
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 Edition N/A  
 Copyright N/A  
 Levelled N/A

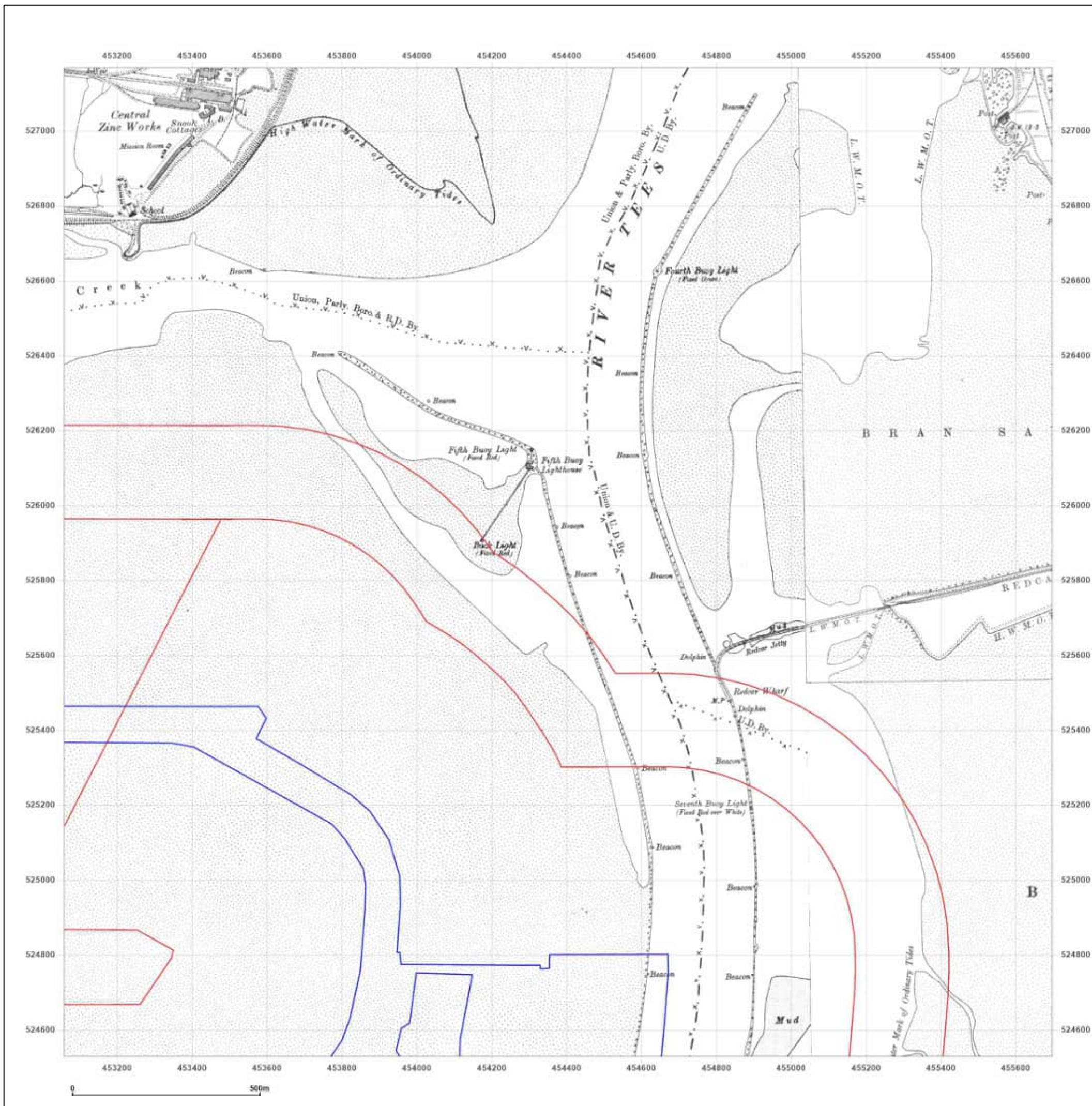


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**Grid Ref:** 454377, 525848

**Map Name:** County Series

**Map date:** 1938-1940

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1856  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1853  
 Revised 1938  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

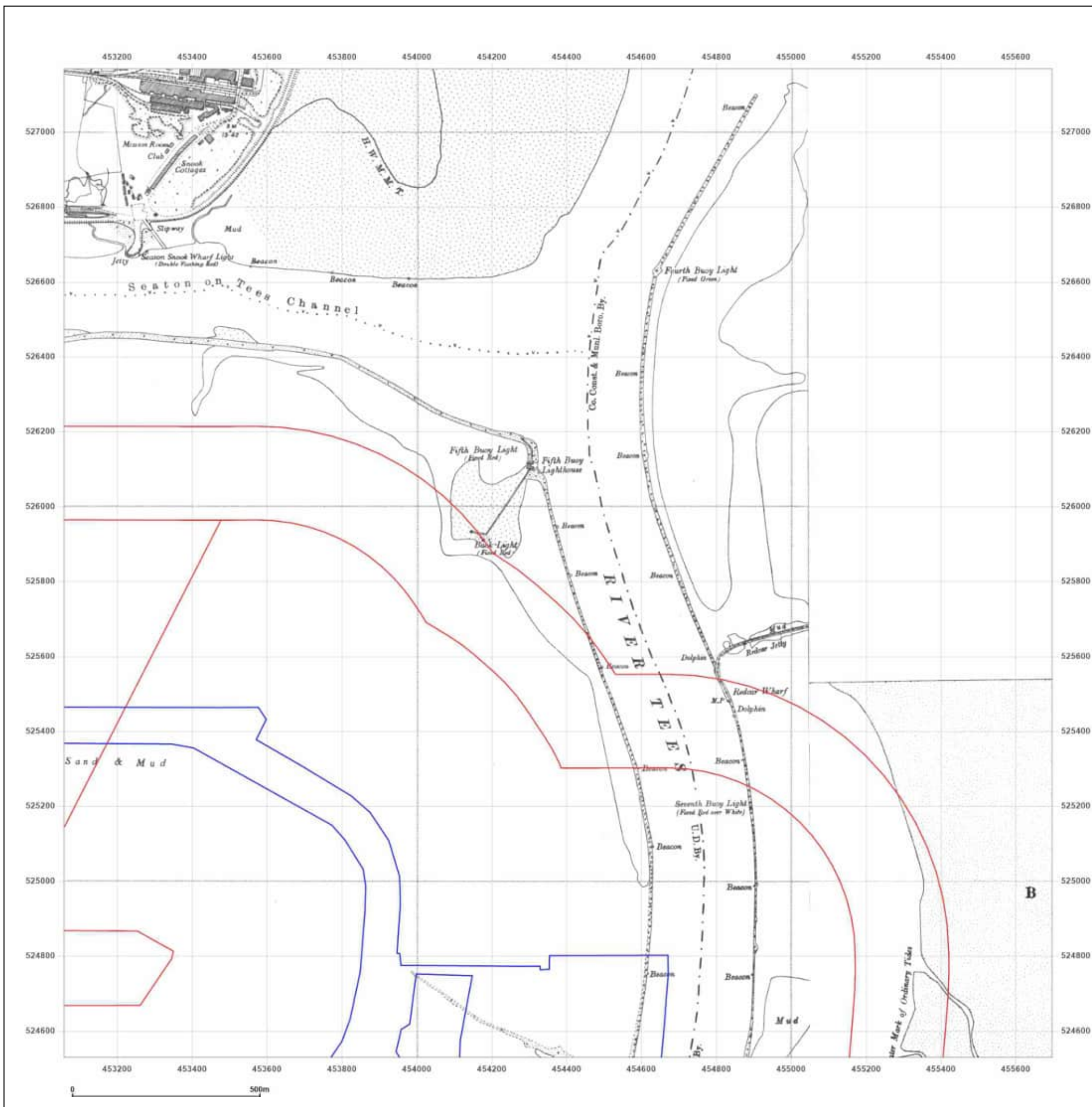


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**Map Name:** County Series

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Surveyed 1856  
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 Copyright N/A  
 Levelled N/A

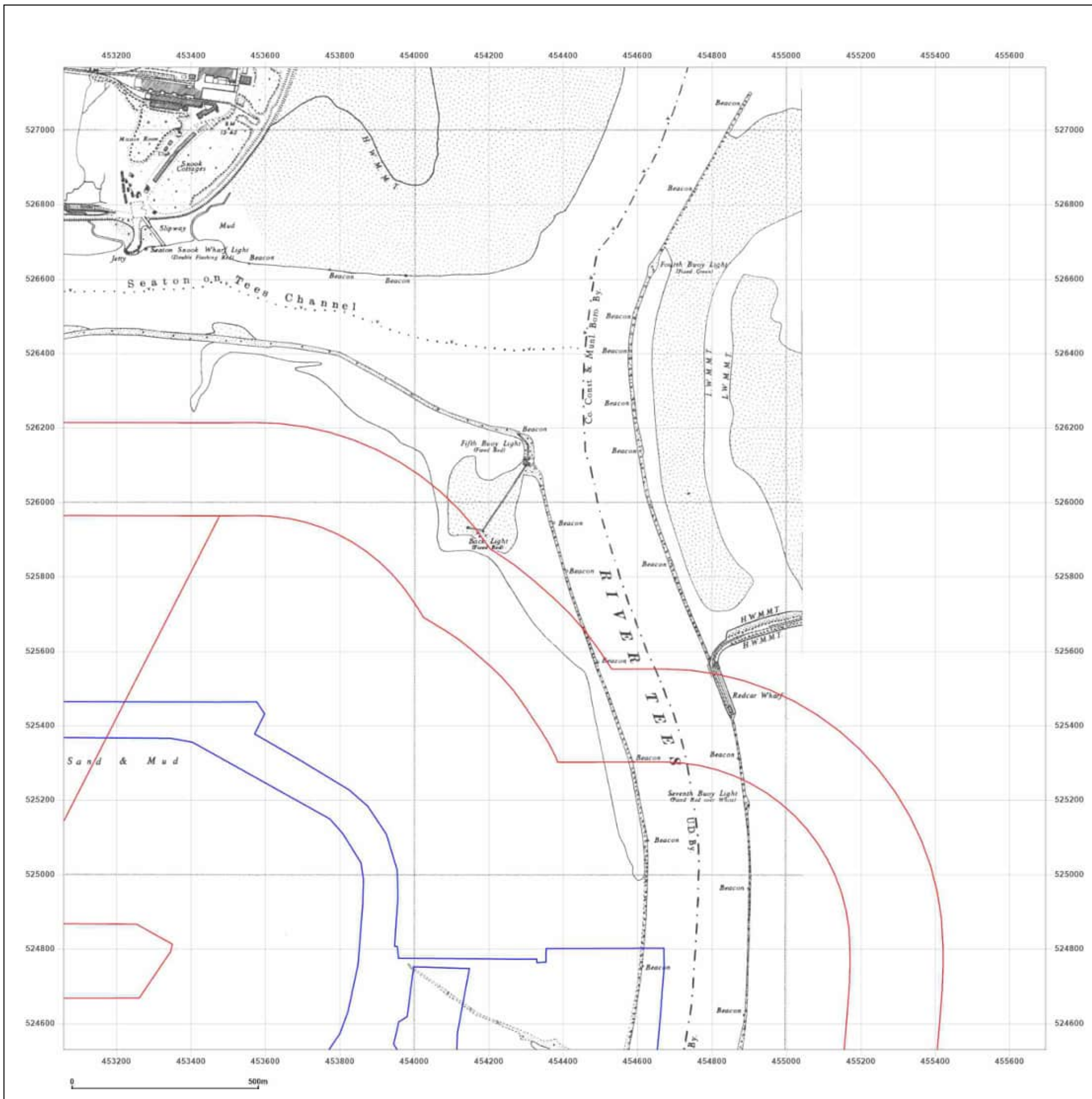


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**Map Name:** Provisional

**Map date:** 1952-1955

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed N/A  
 Revised 1954  
 Edition N/A  
 Copyright 1954  
 Levelled N/A

Surveyed N/A  
 Revised 1952  
 Edition 1953  
 Copyright N/A  
 Levelled N/A

Surveyed 1950  
 Revised 1955  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed N/A  
 Revised 1952  
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 Levelled N/A

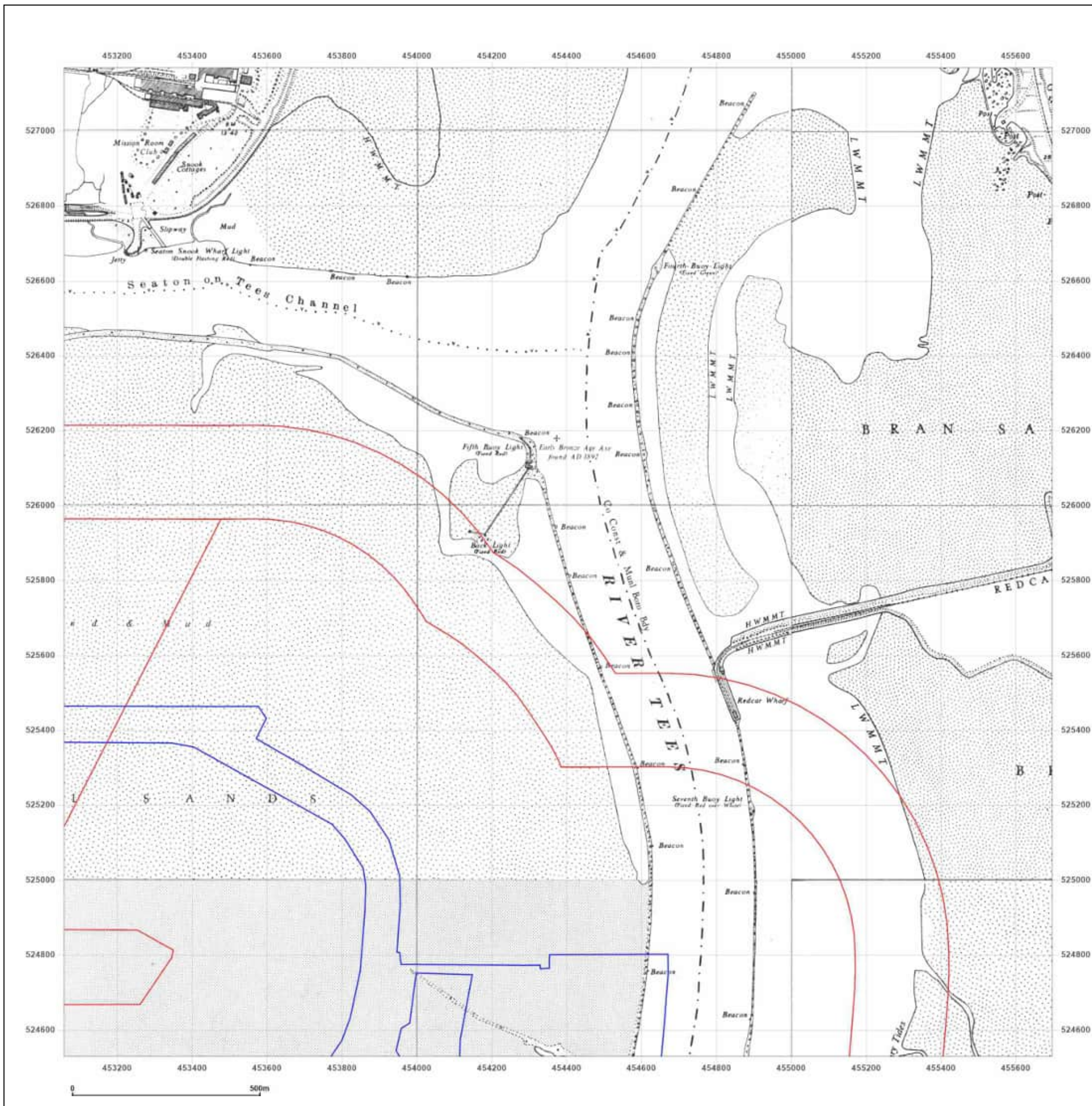


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**Site Details:**

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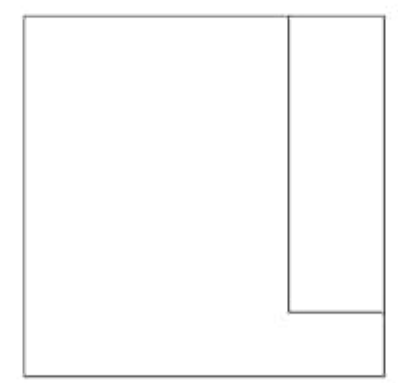
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Surveyed 1969  
 Revised 1989  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

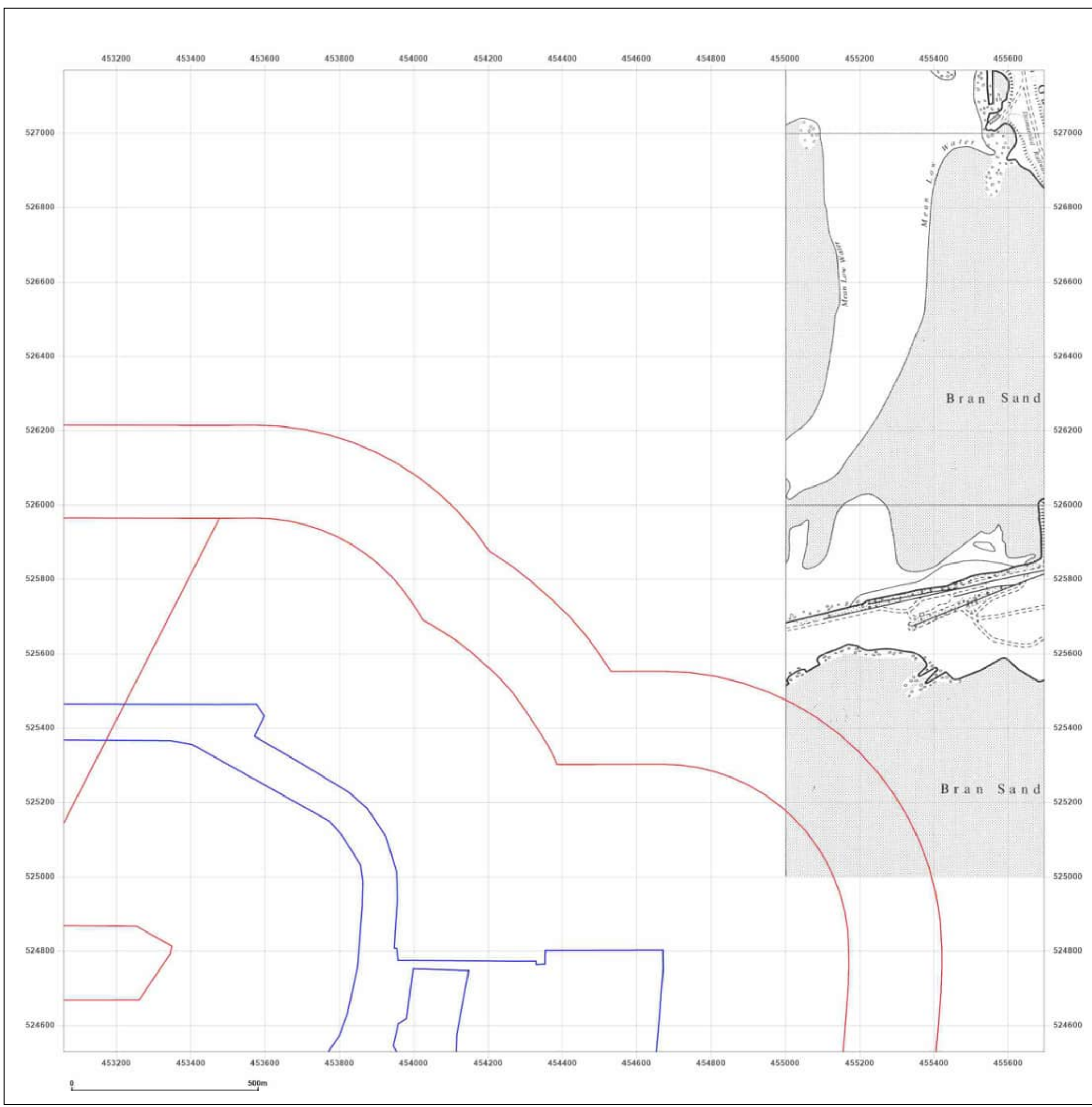


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**Grid Ref:** 454377, 525848

**Map Name:** National Grid

**Map date:** 1980-1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1979  
 Revised 1981  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1980  
 Revised 1980  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1983  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

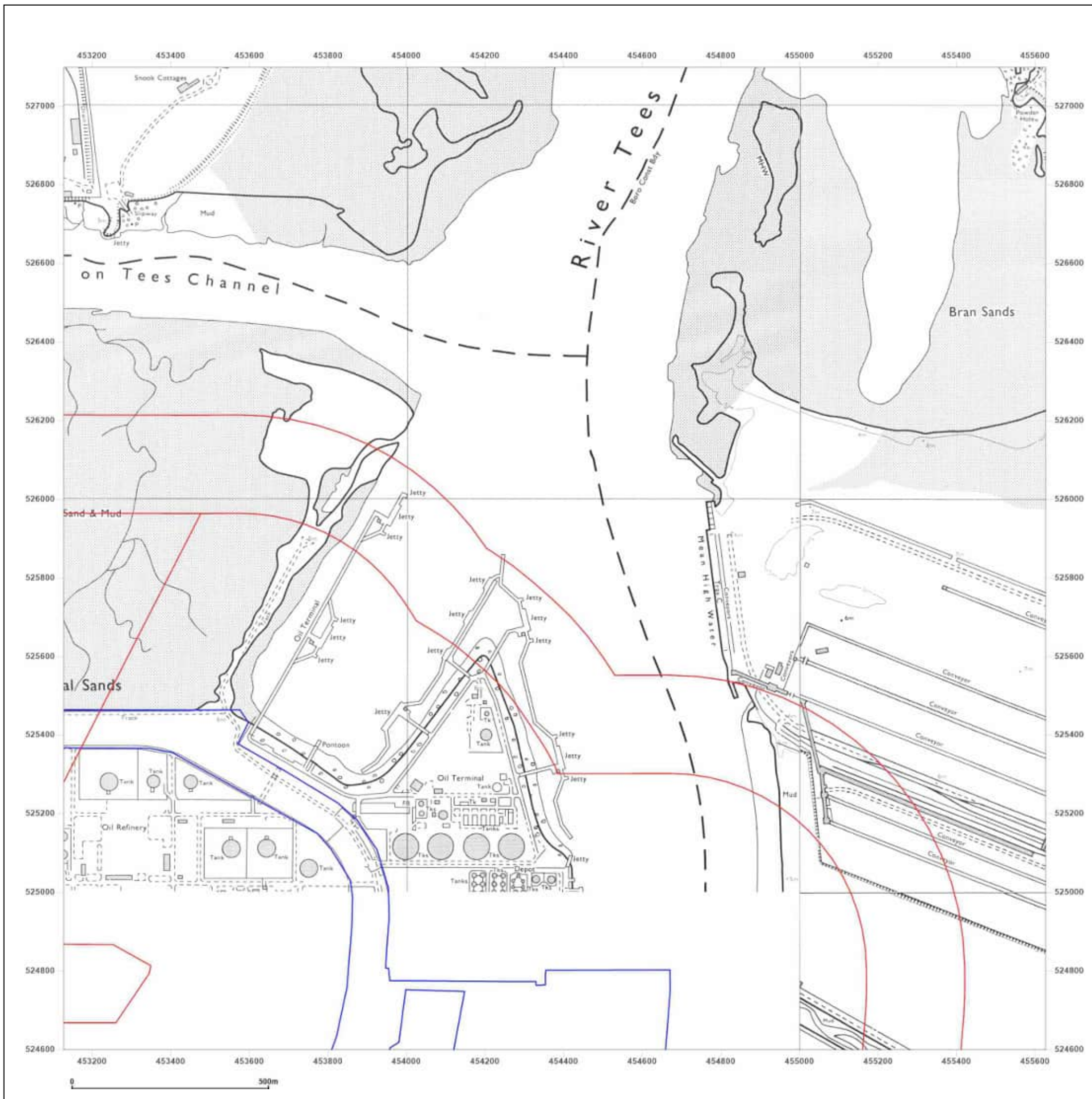


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**Map Name:** National Grid

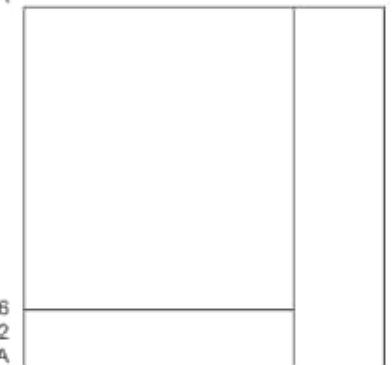
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Surveyed 1979  
 Revised 1994  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1986  
 Revised 1992  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

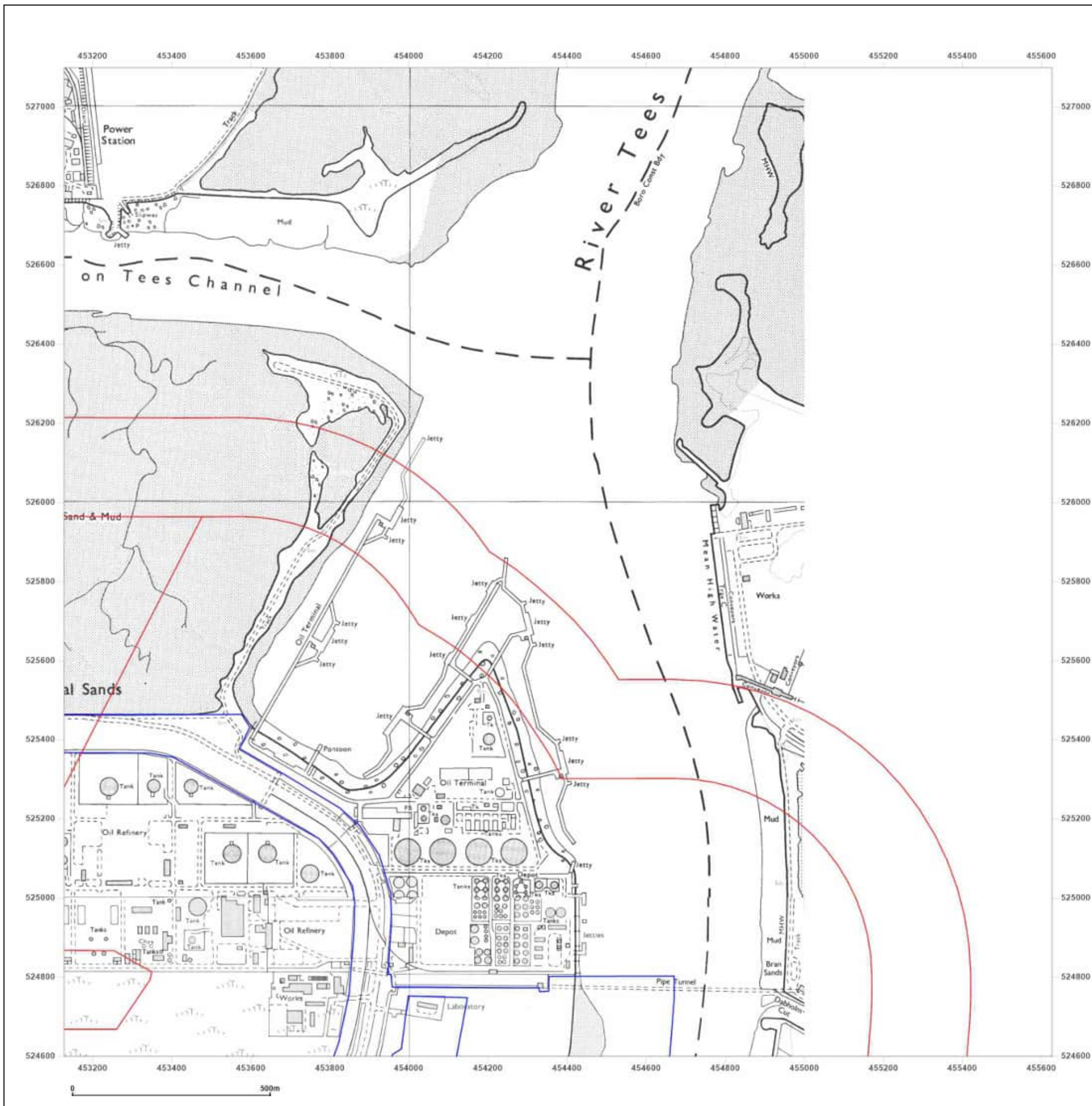


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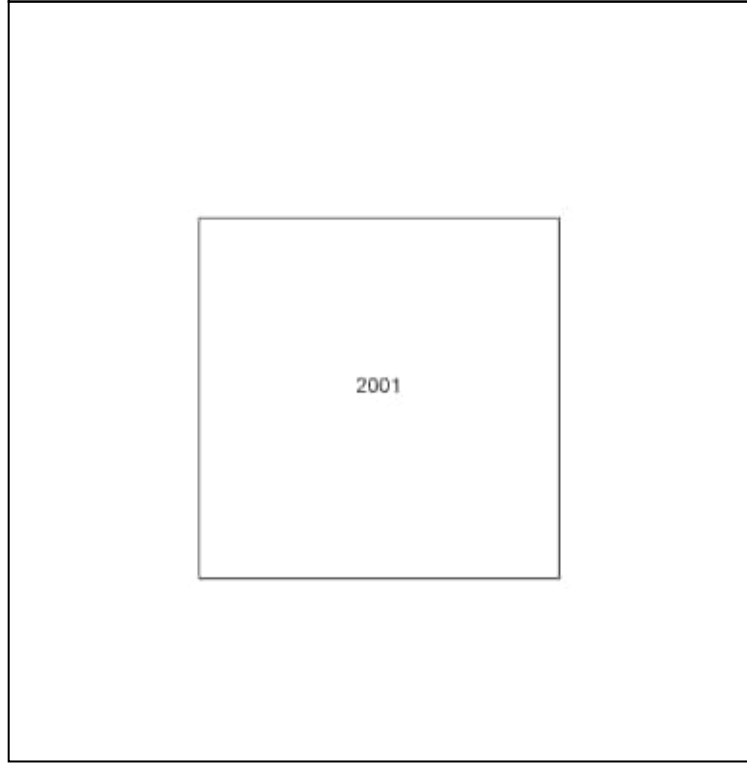
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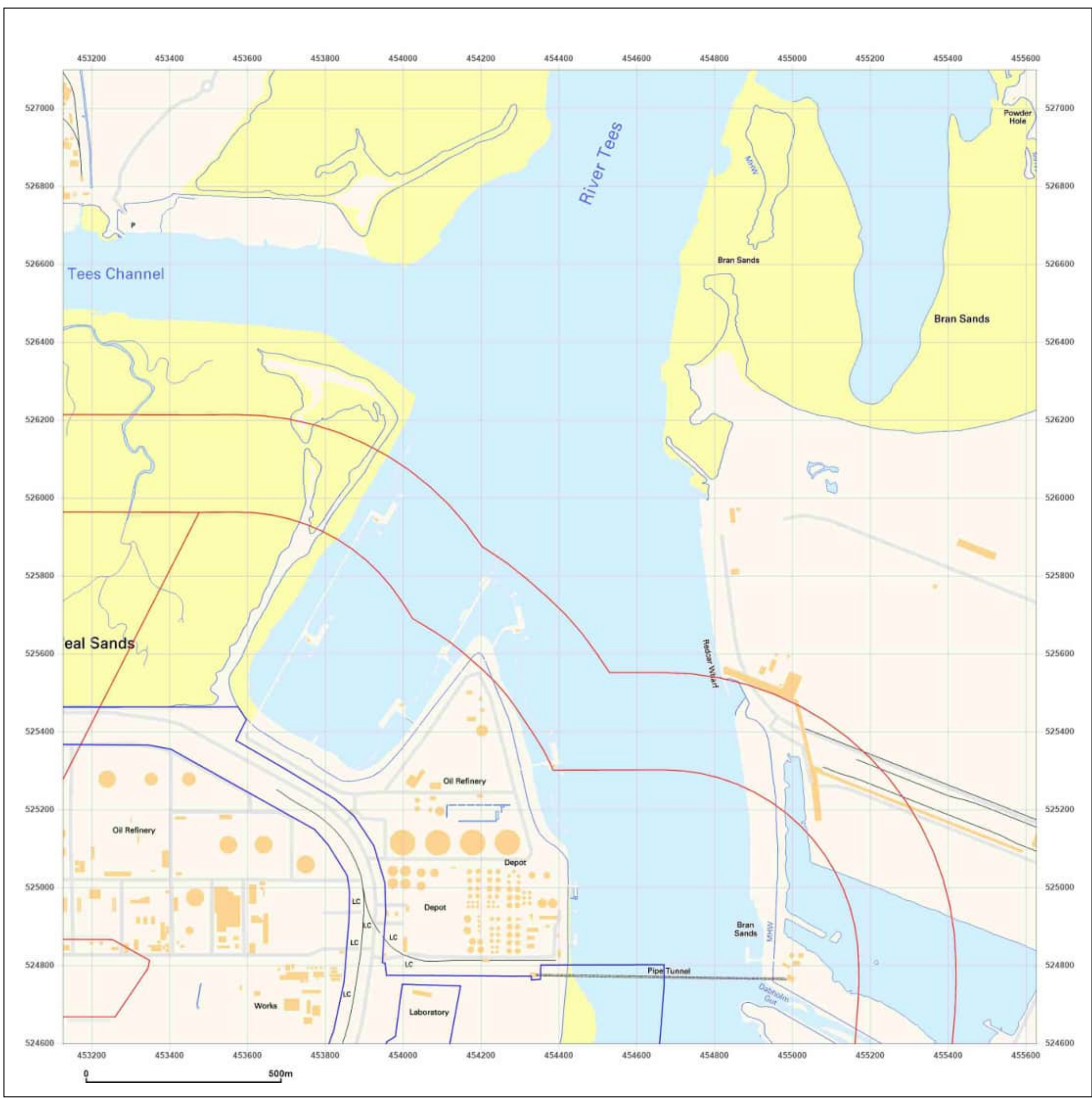


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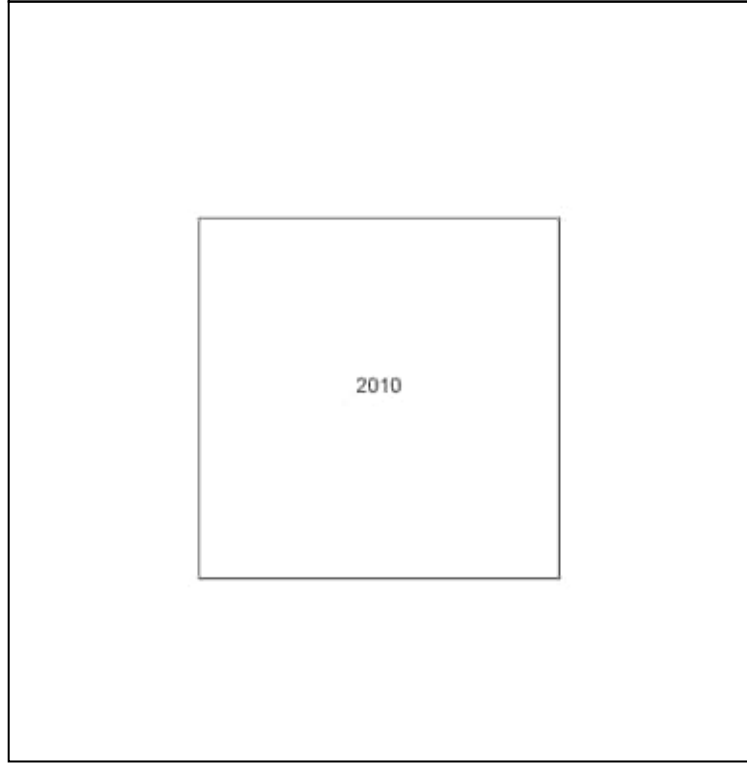
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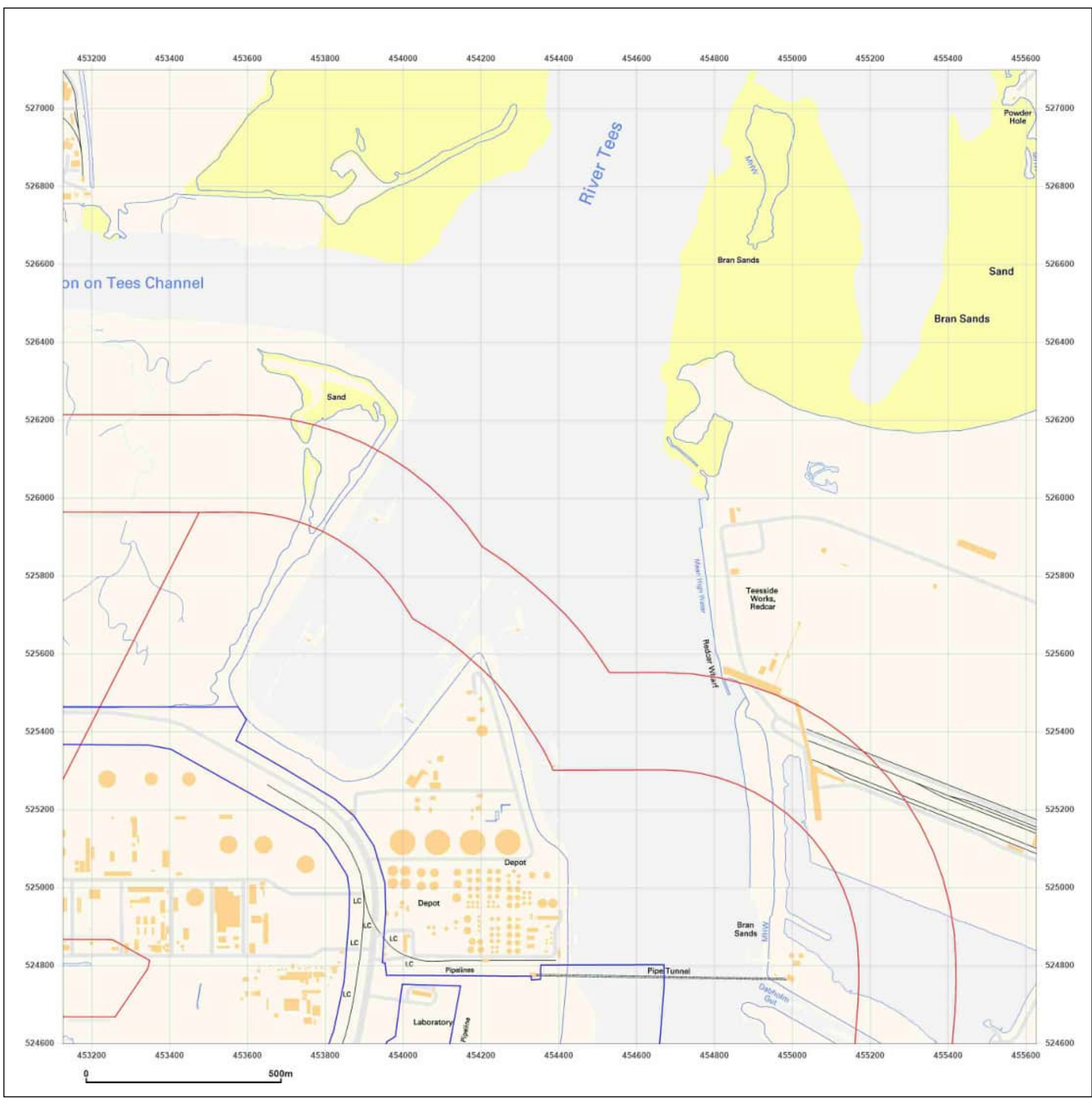


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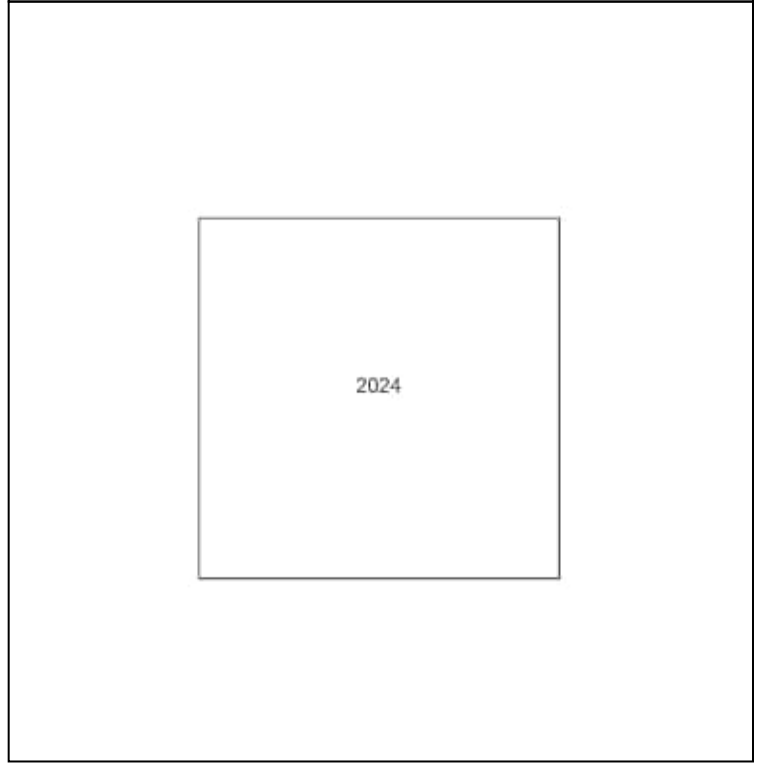
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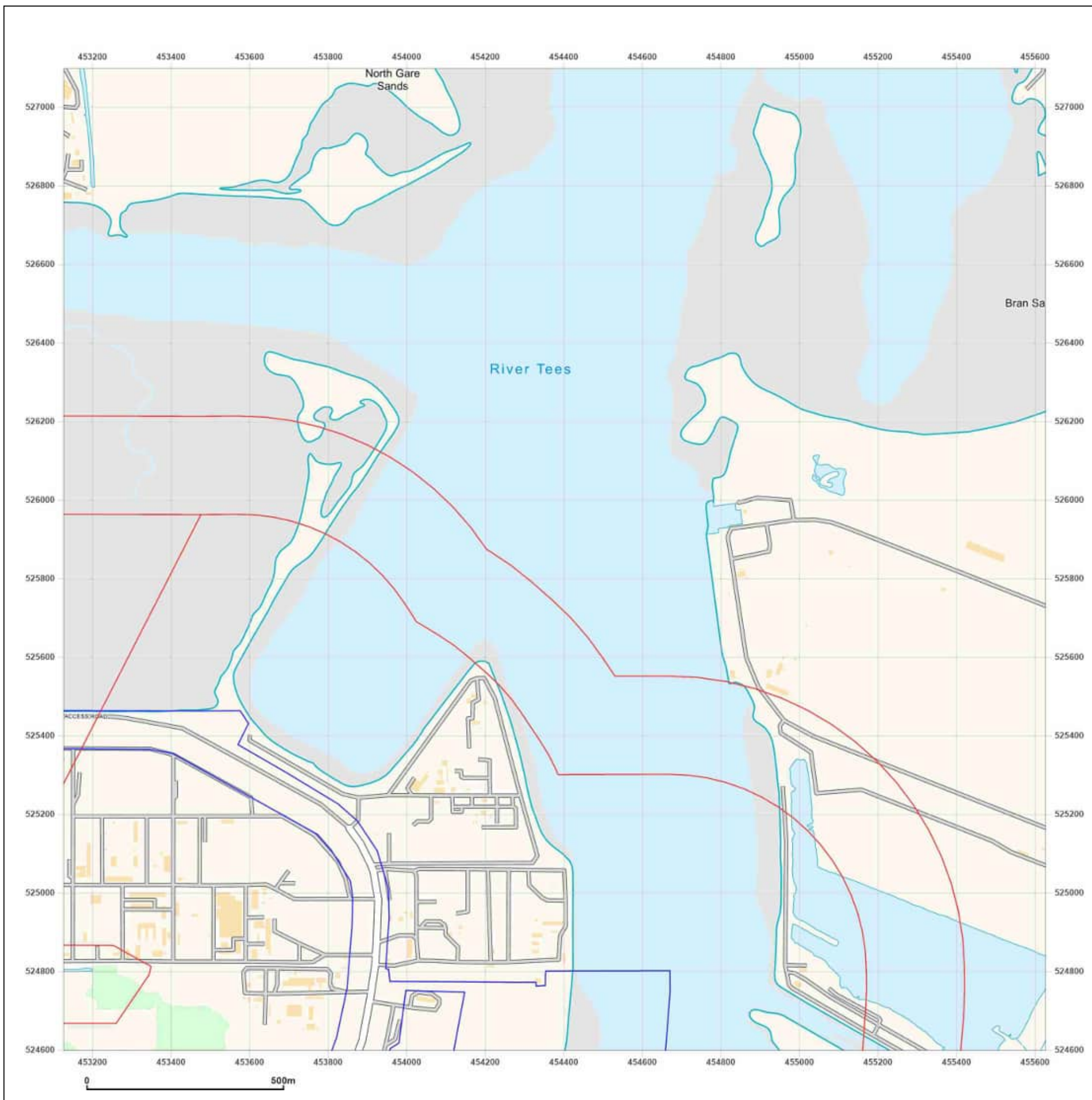


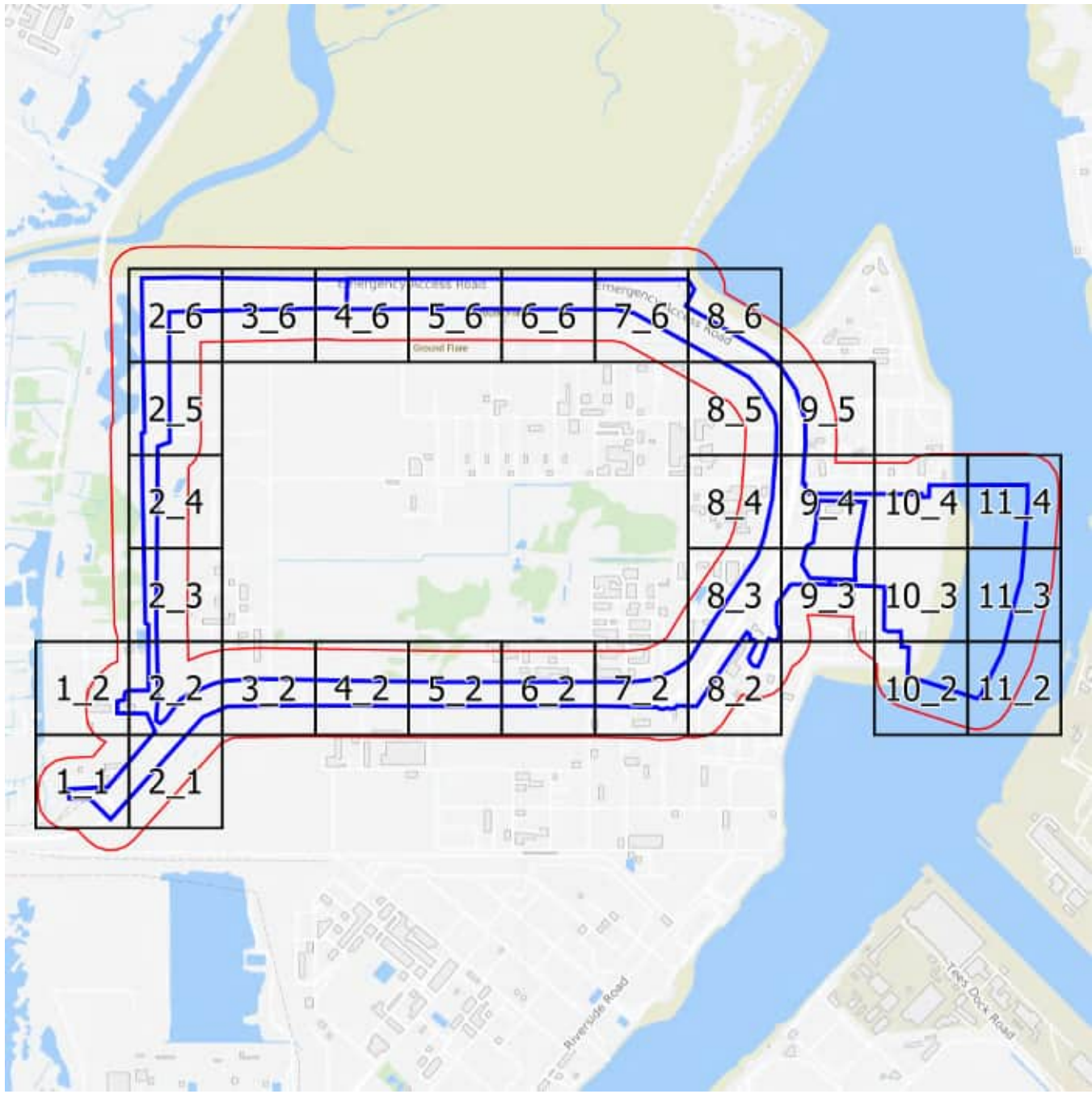
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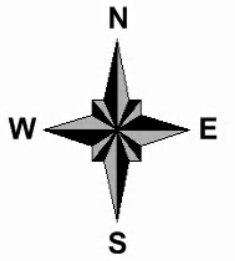
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Landline Scale Grid Index



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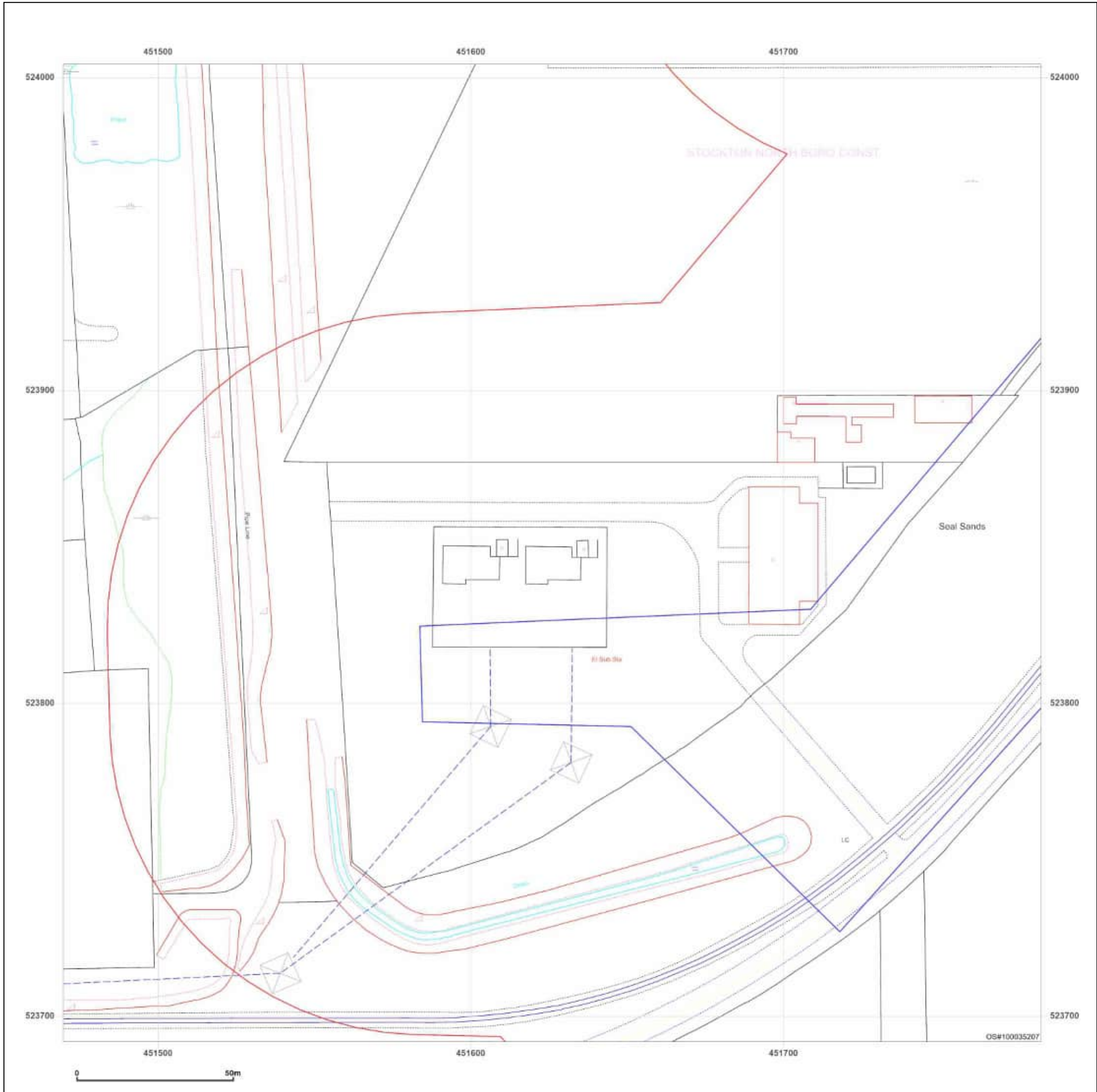
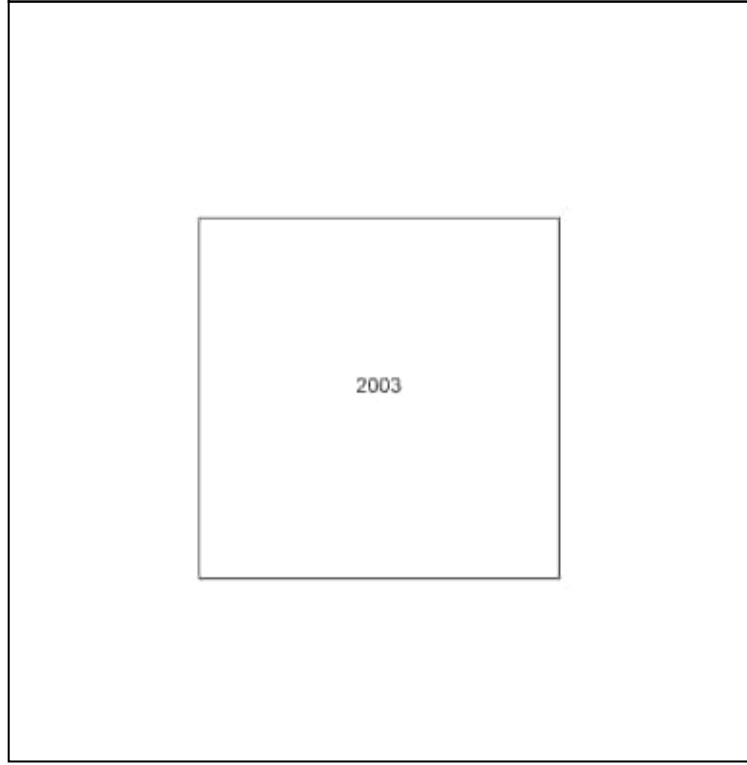
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**Map date:** 2003

**Scale:** 1:1,250

**Printed at:** 1:1,250

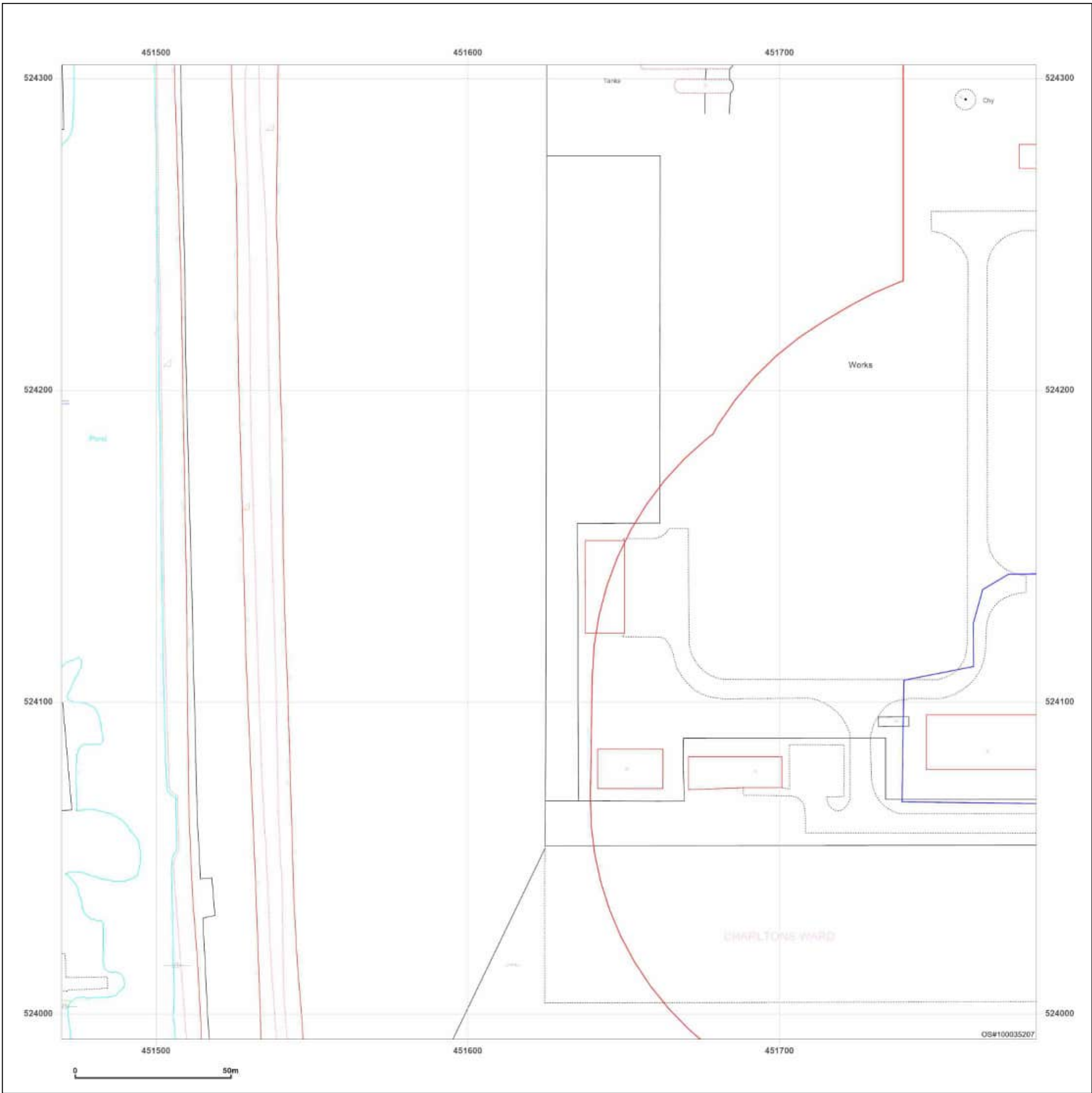


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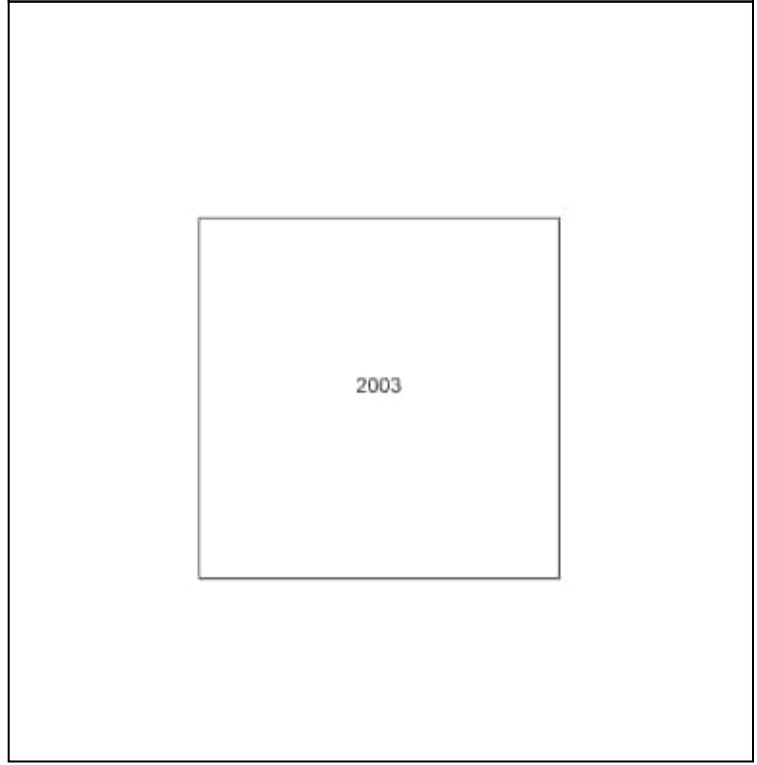
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**Map Name:** LandLine

**Map date:** 2003

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**Printed at:** 1:1,250



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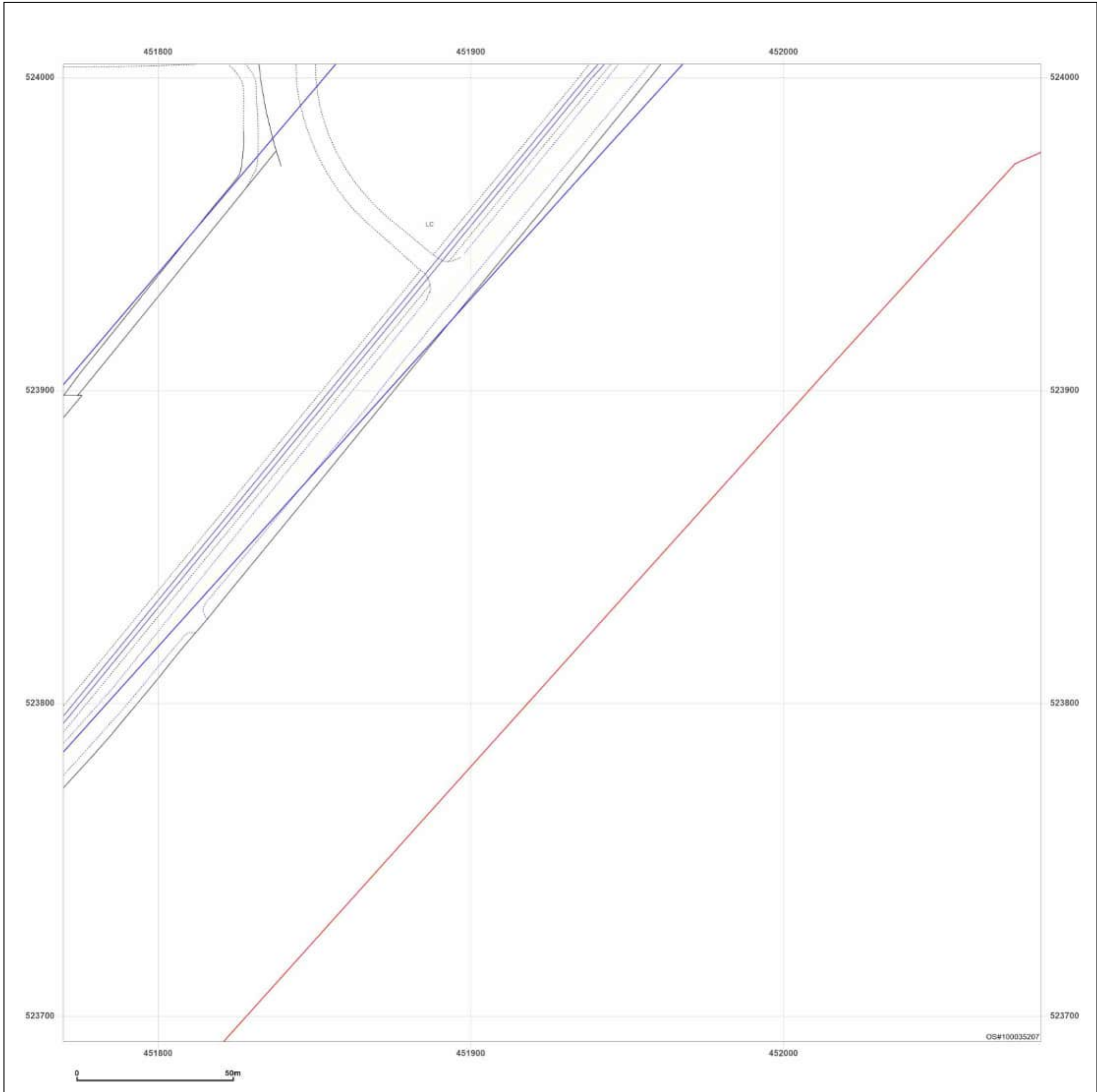
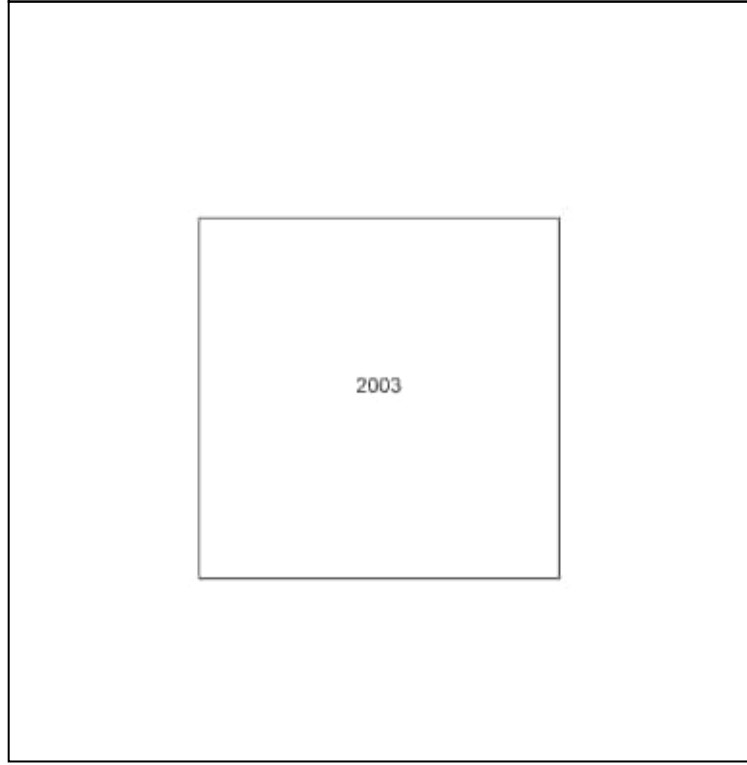
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**Map Name:** LandLine

**Map date:** 2003

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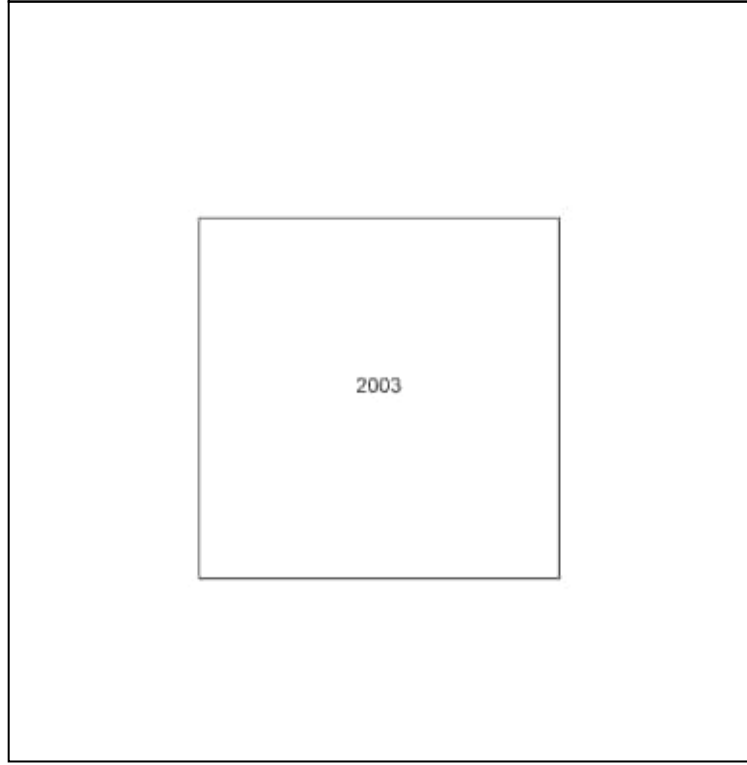
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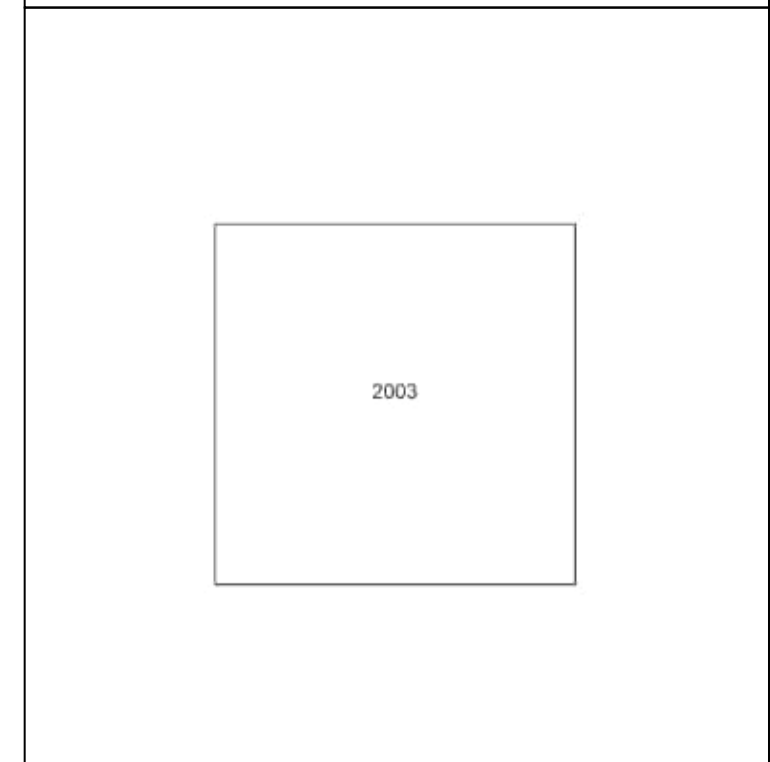
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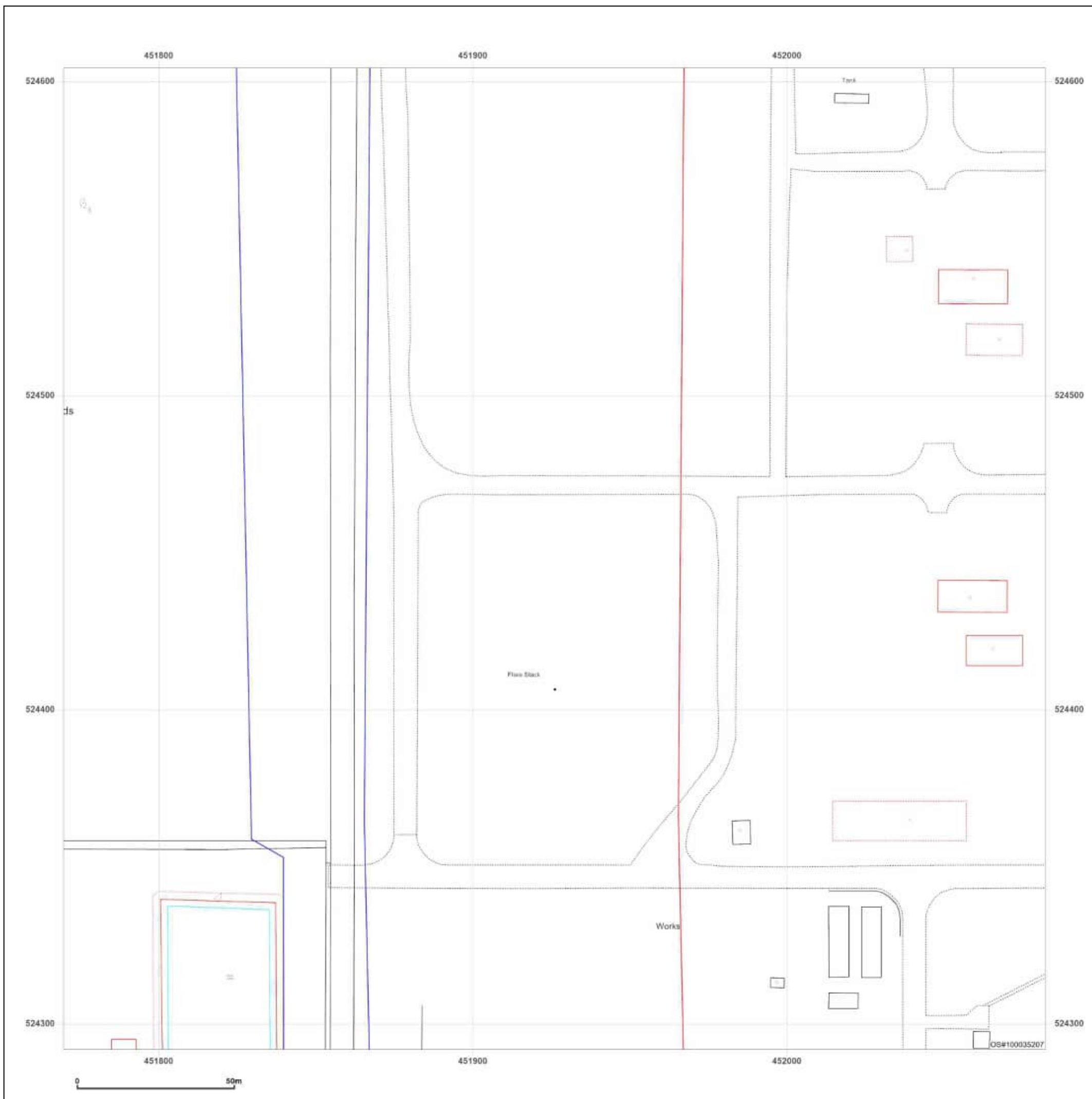


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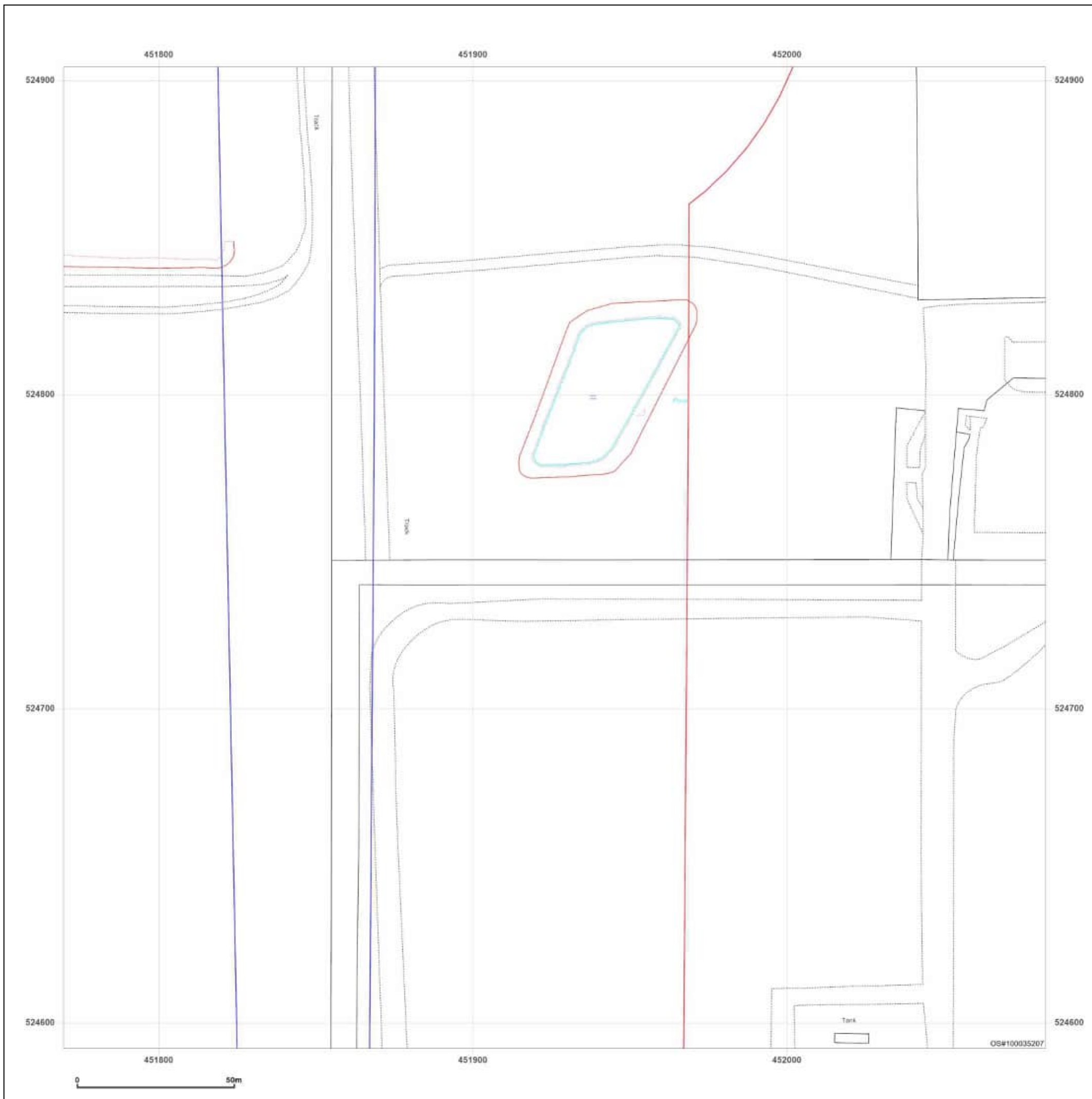
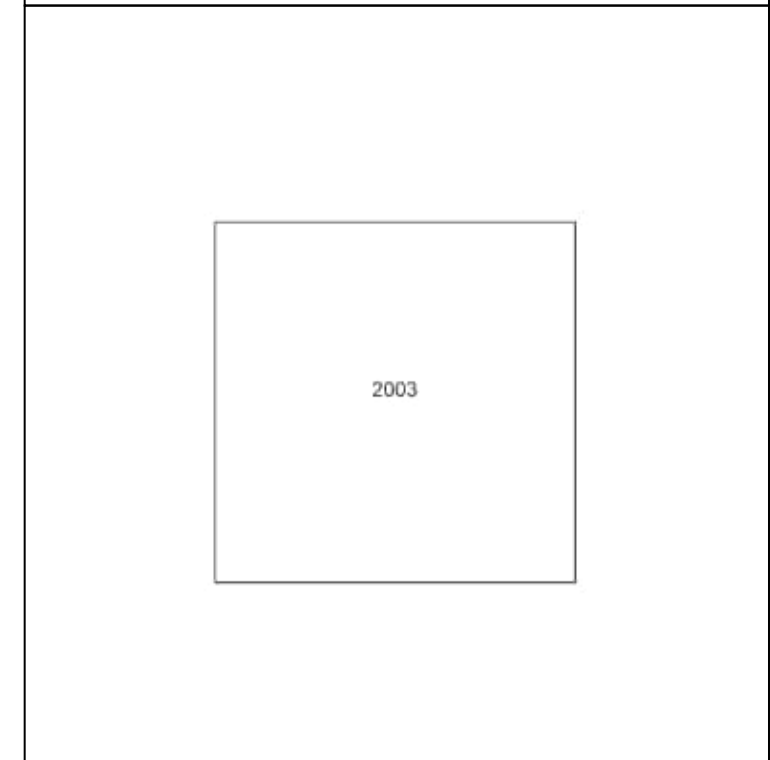
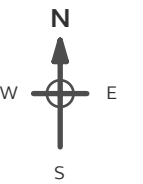
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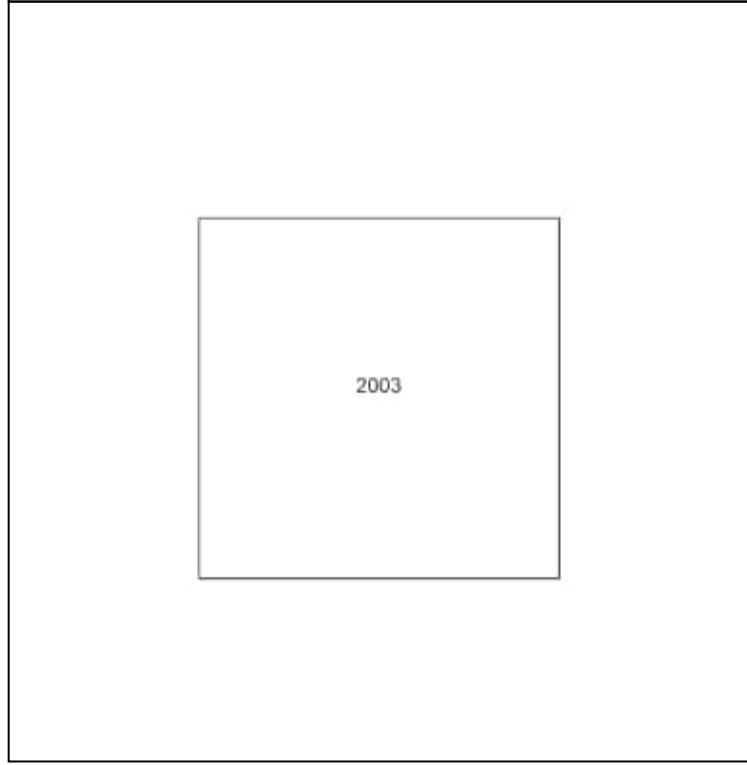
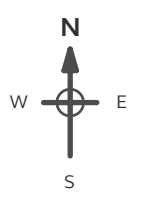
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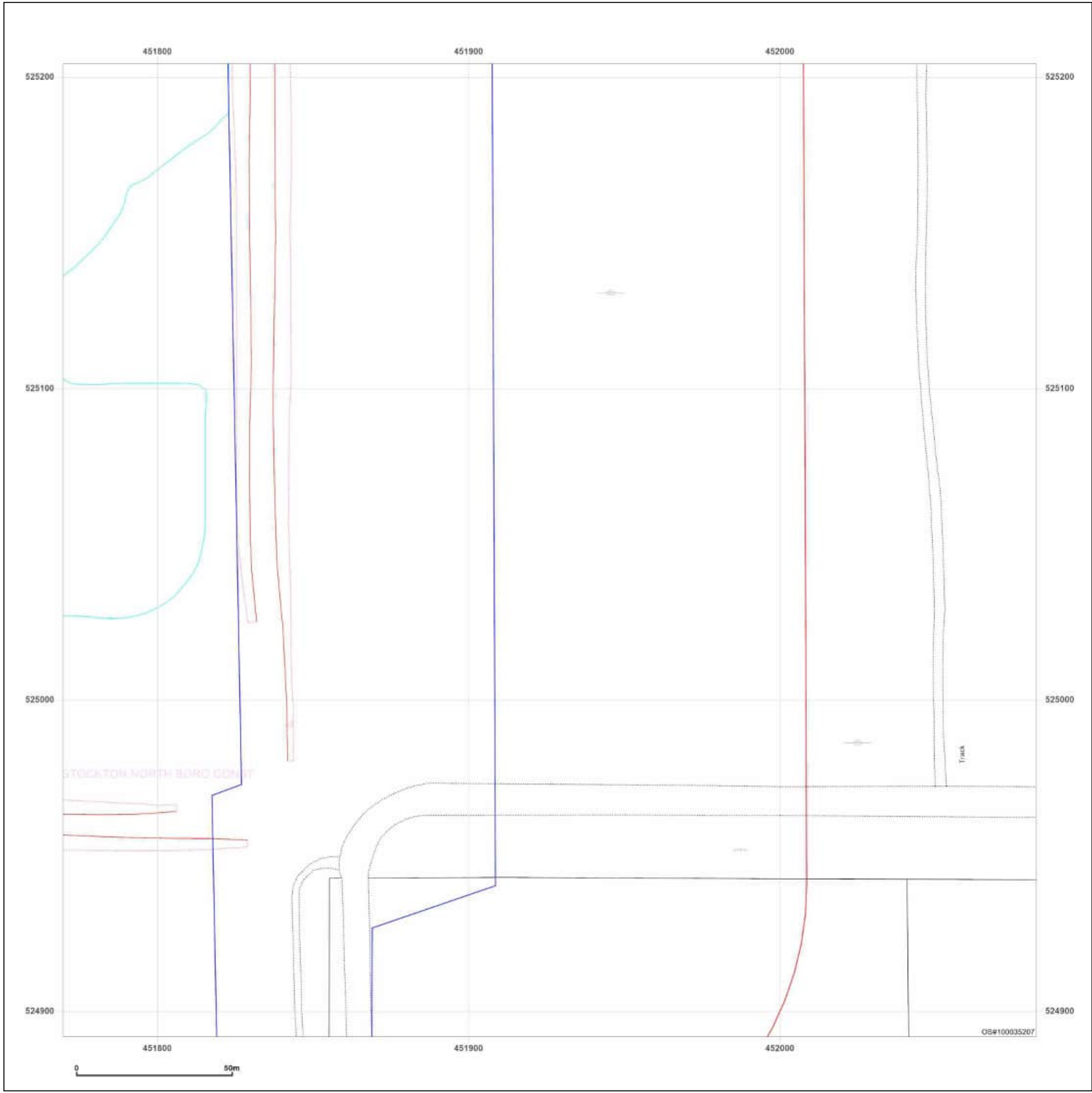
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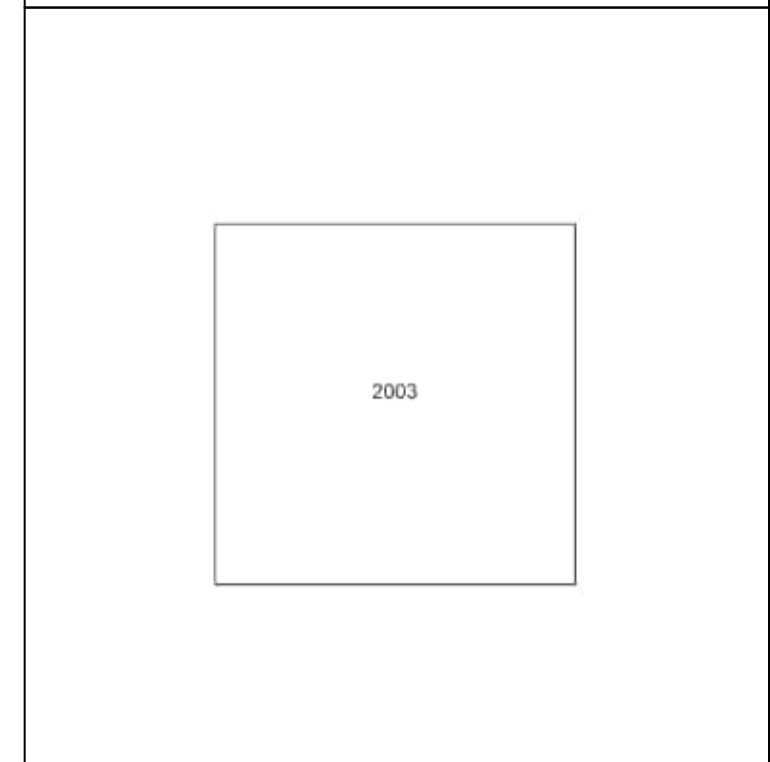
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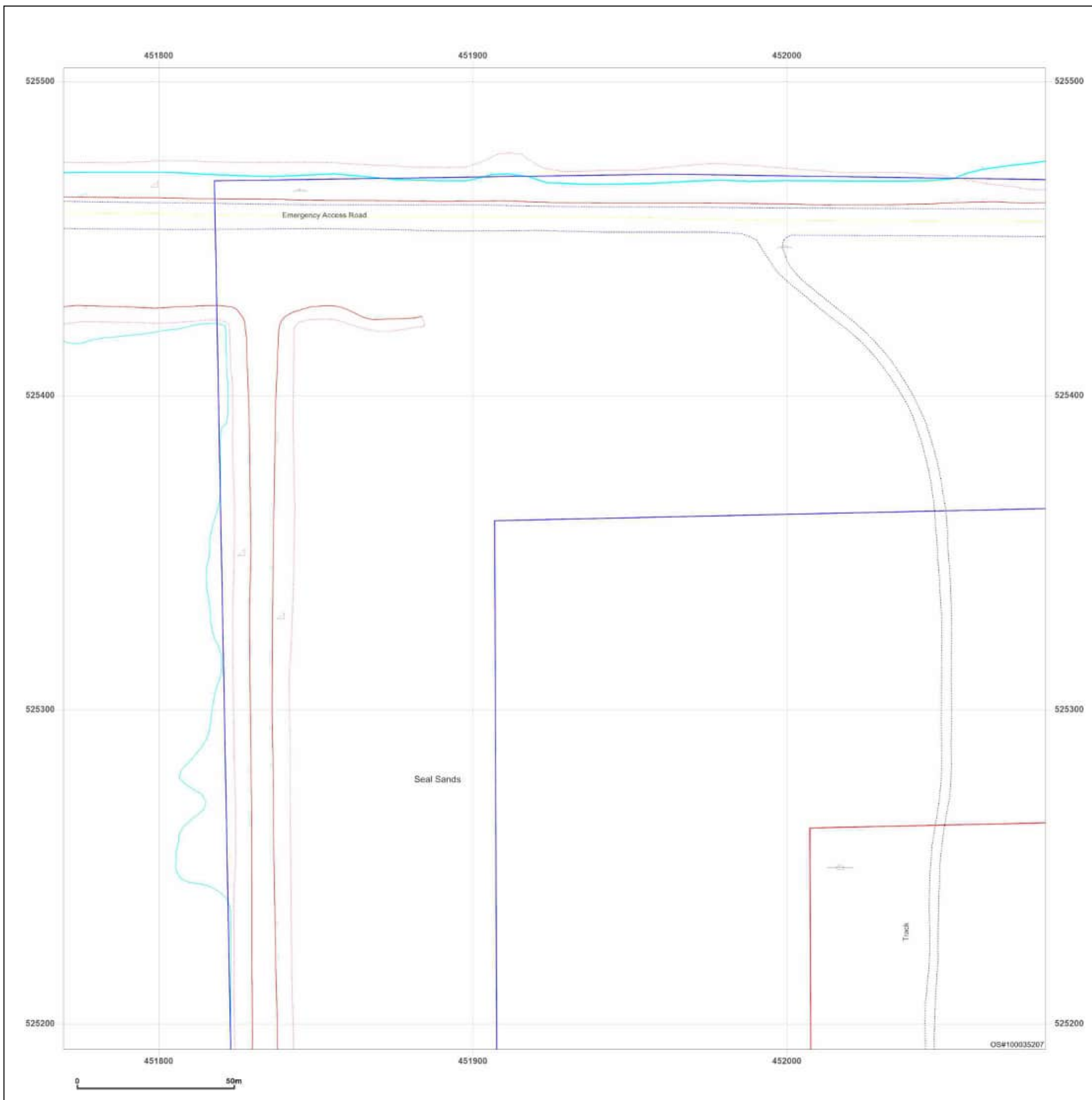


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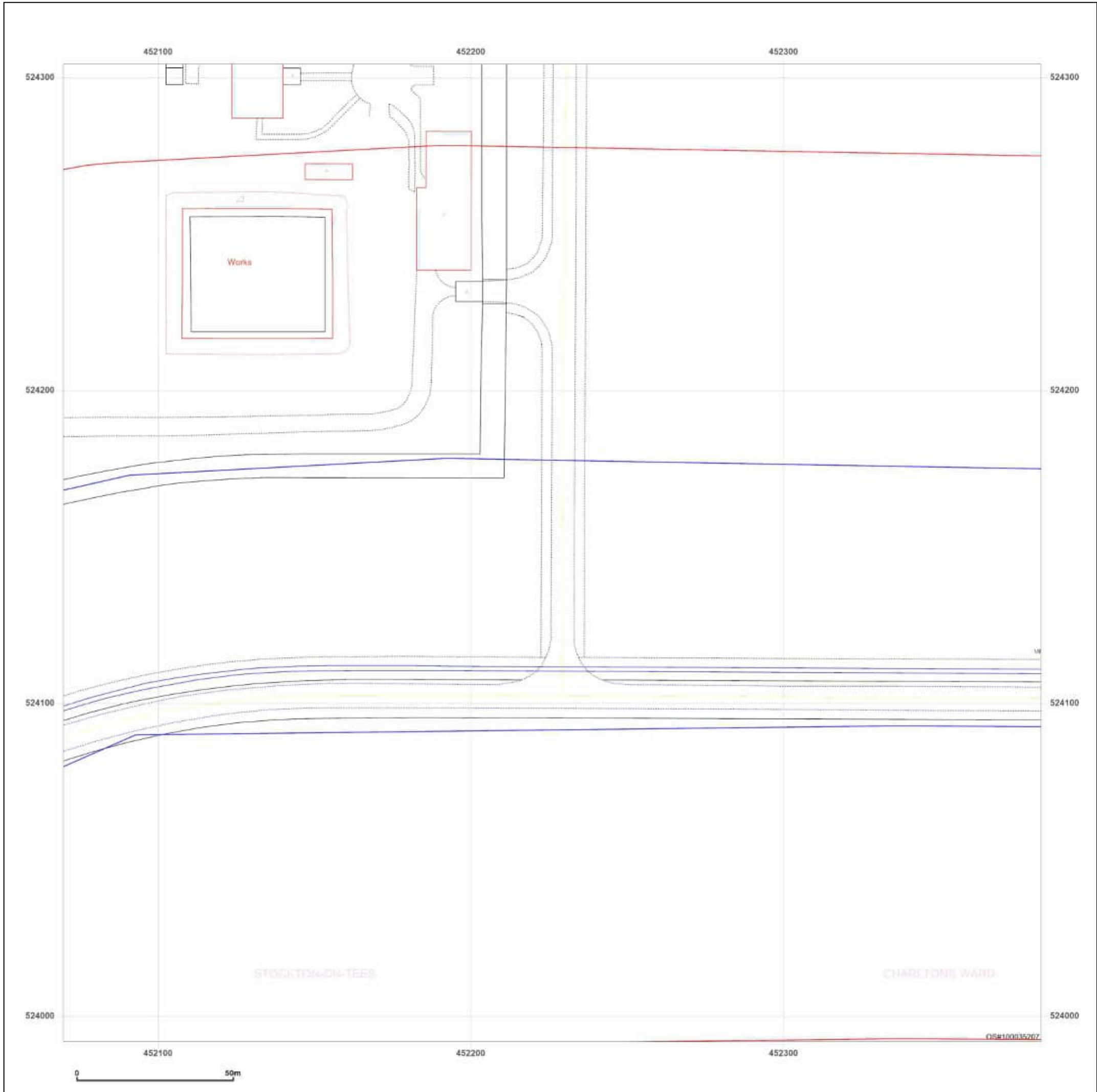
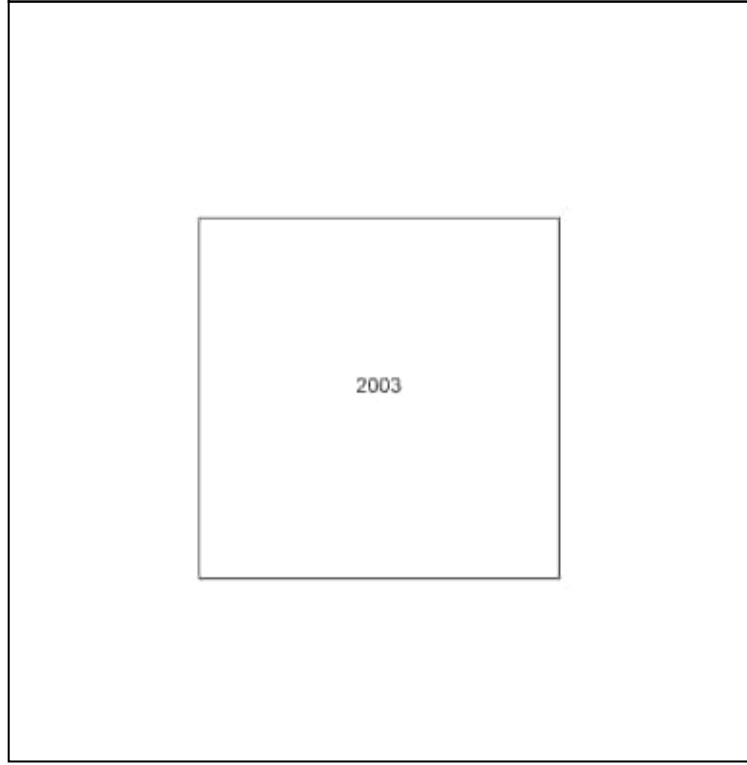
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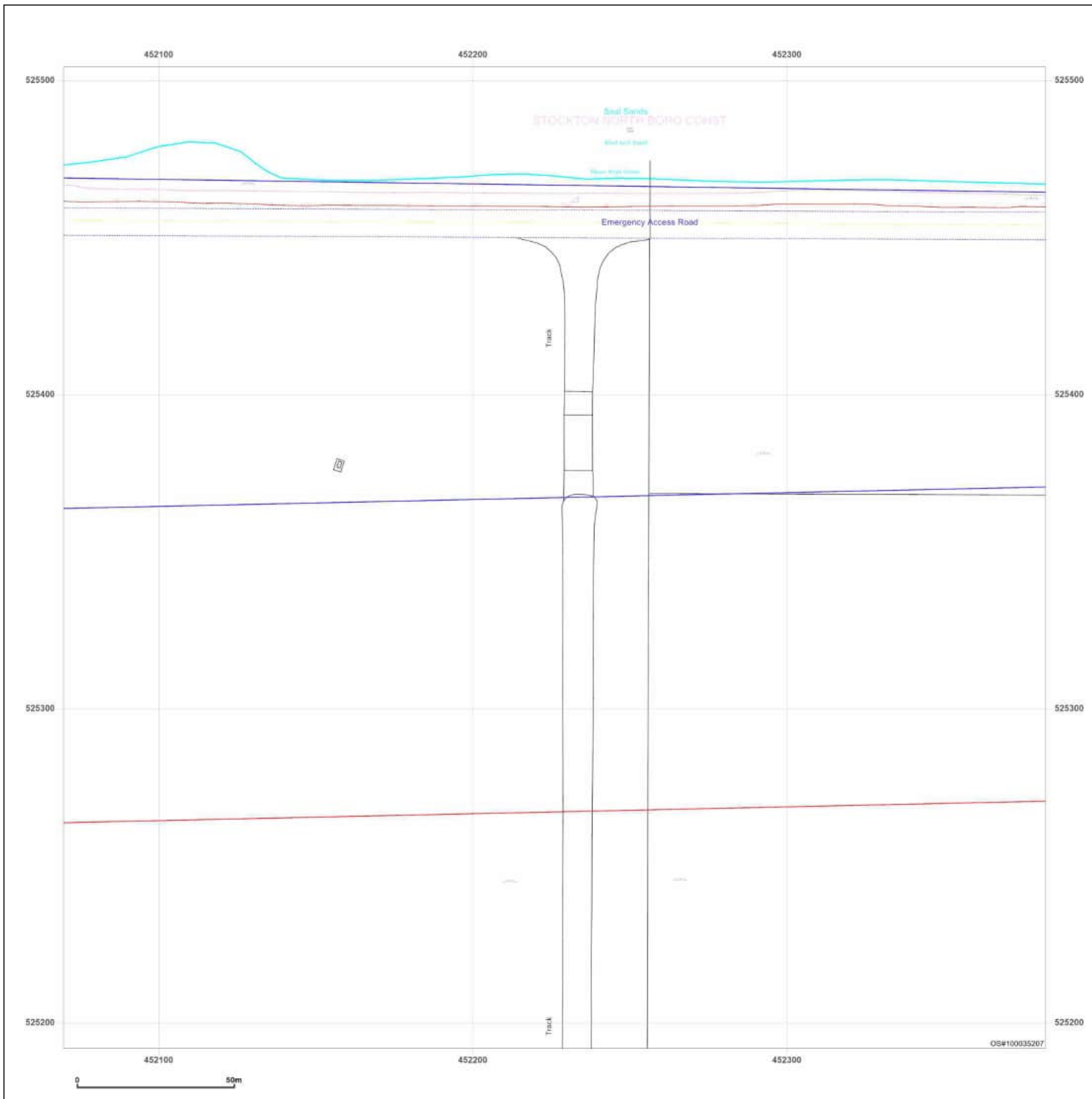
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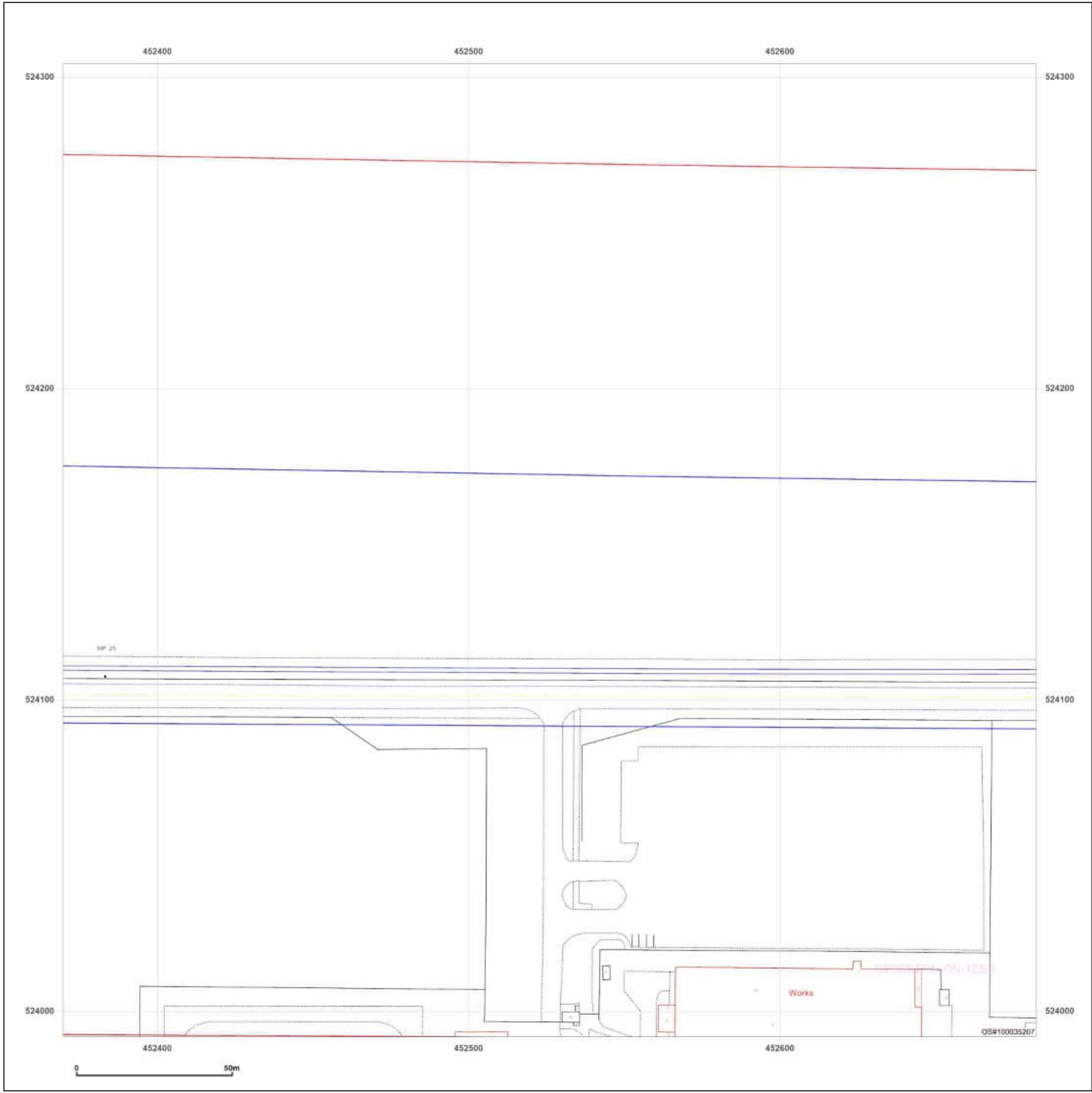
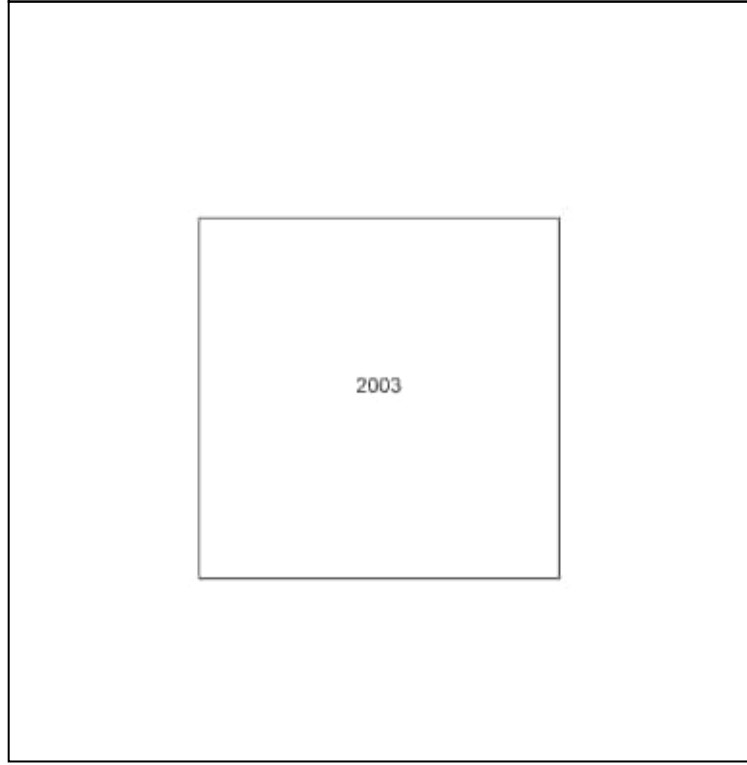
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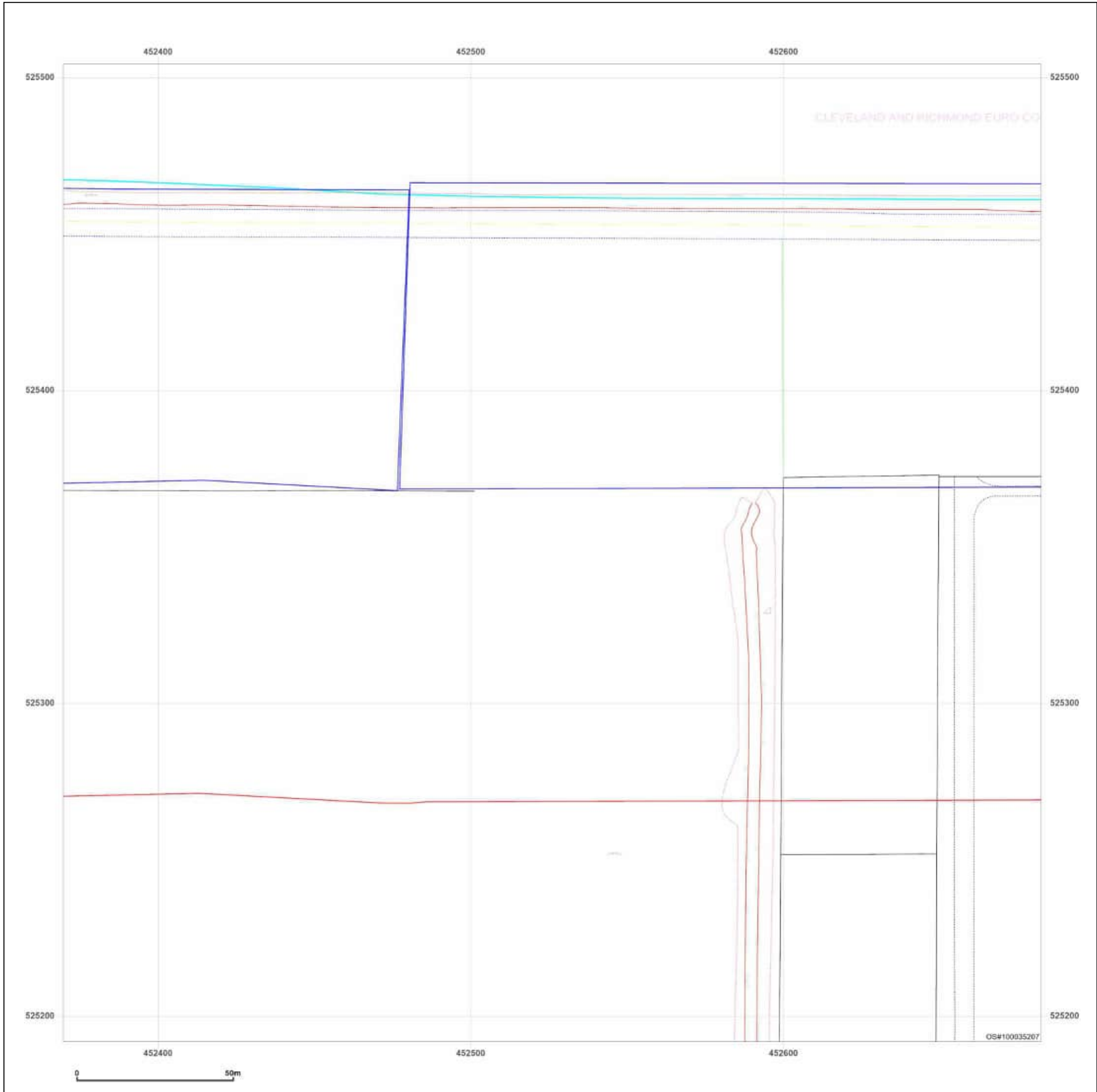
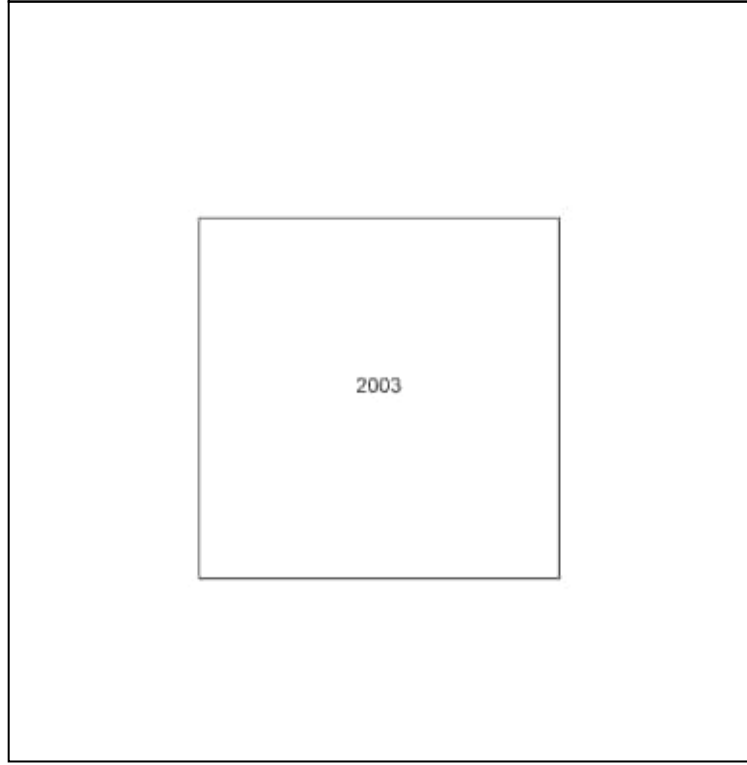
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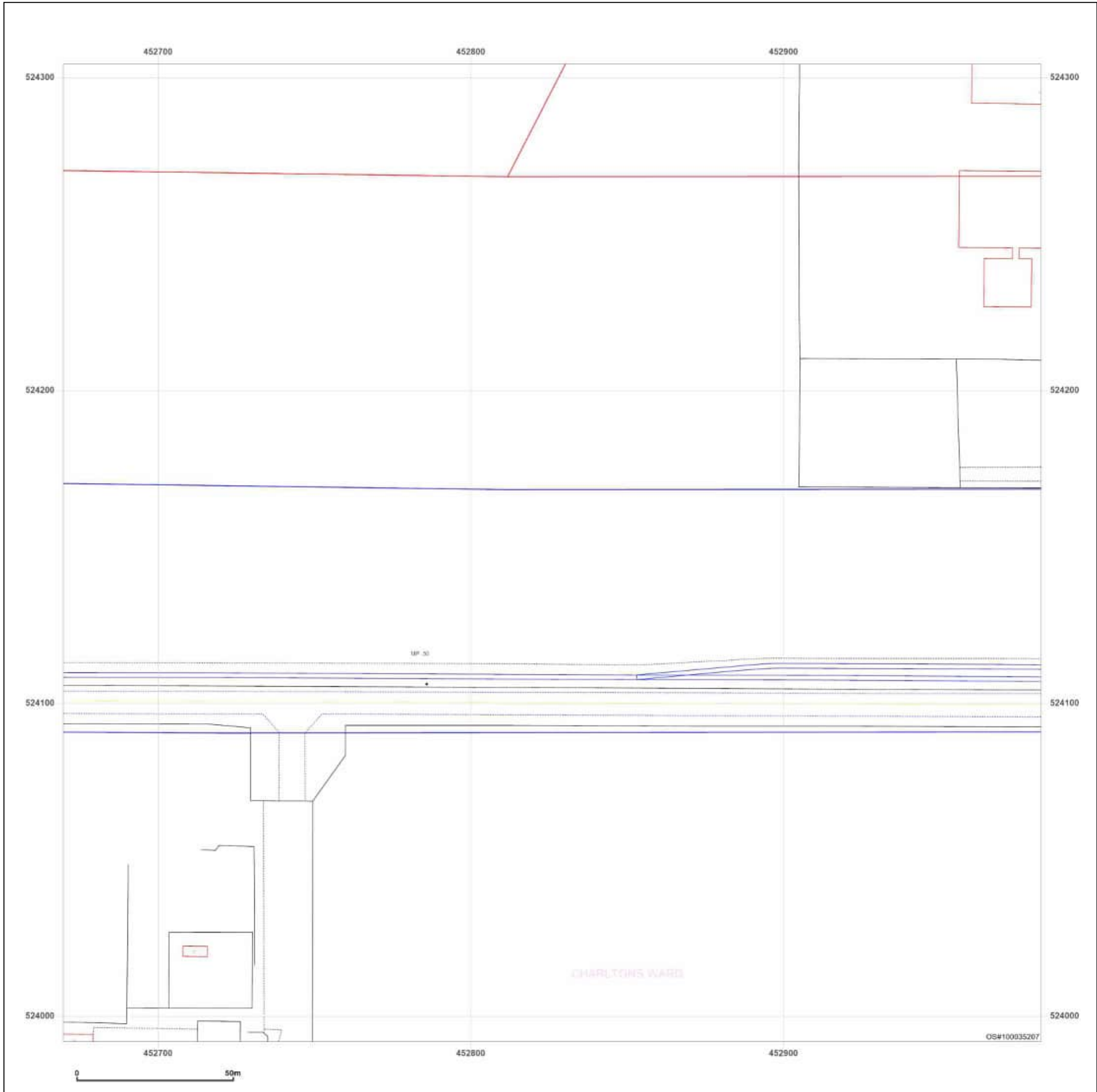
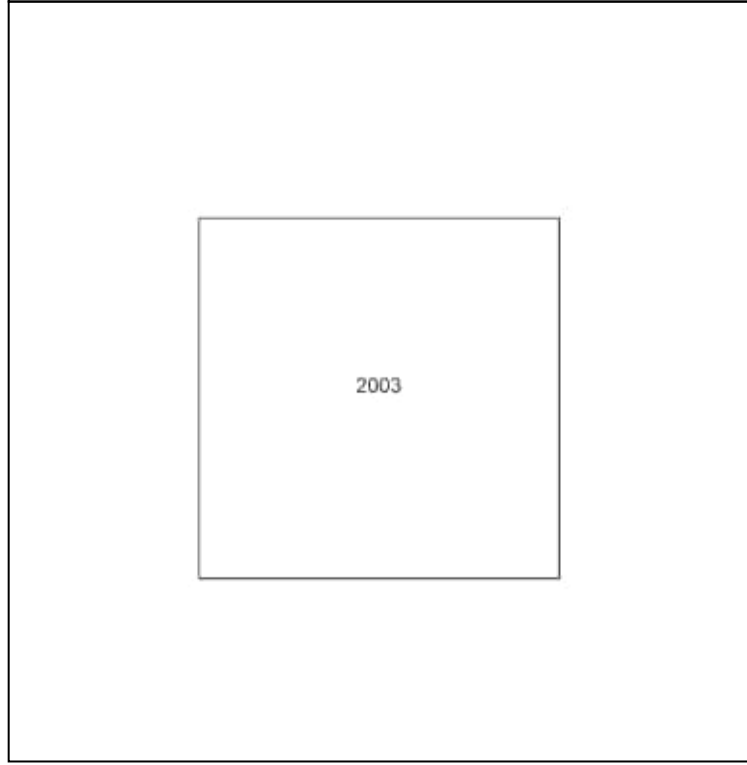
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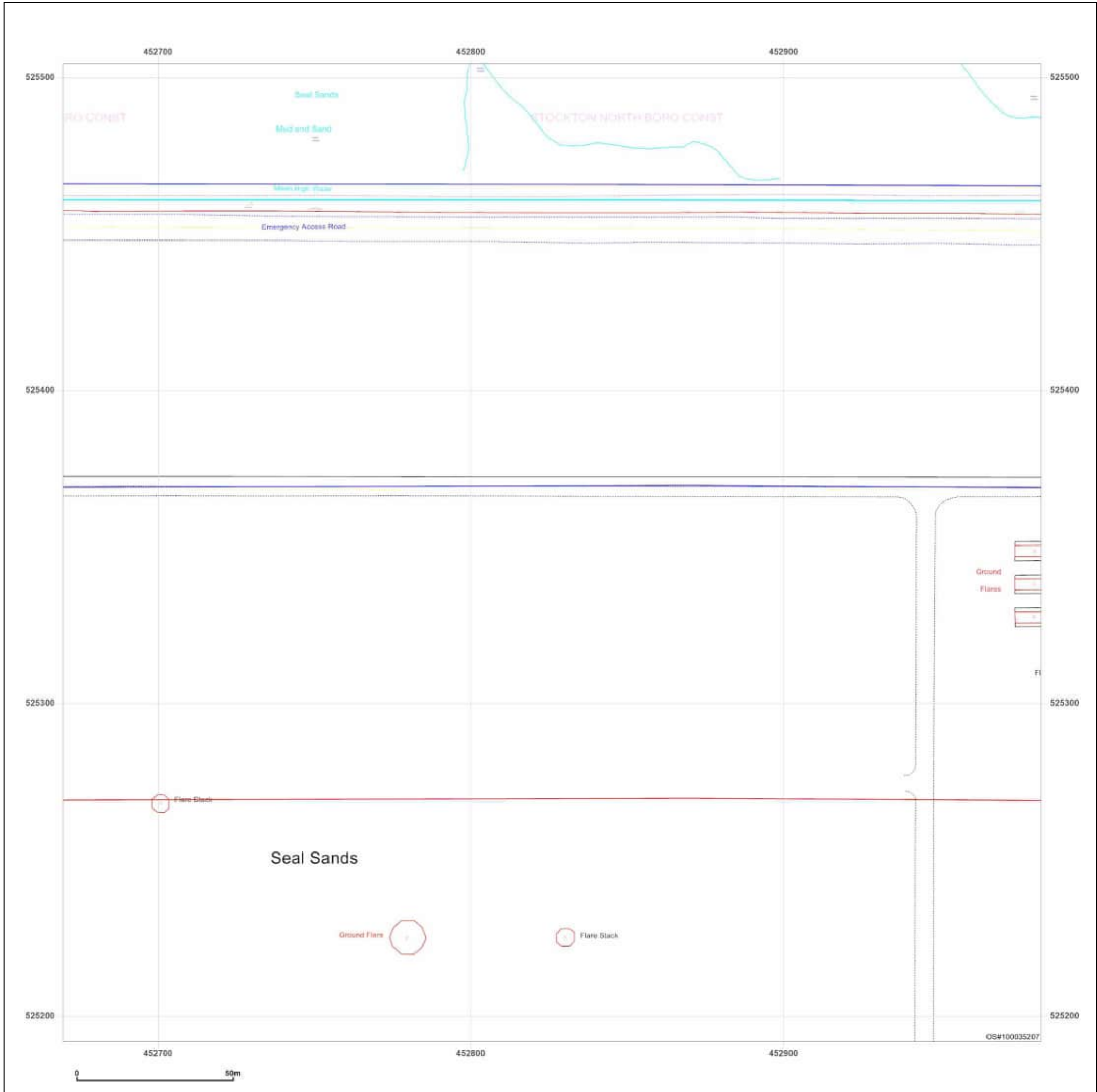
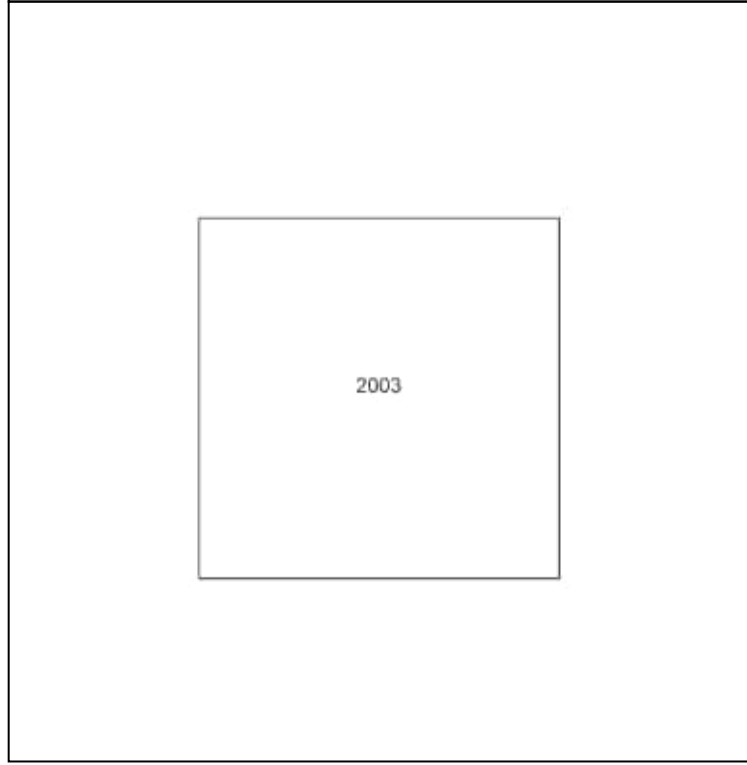
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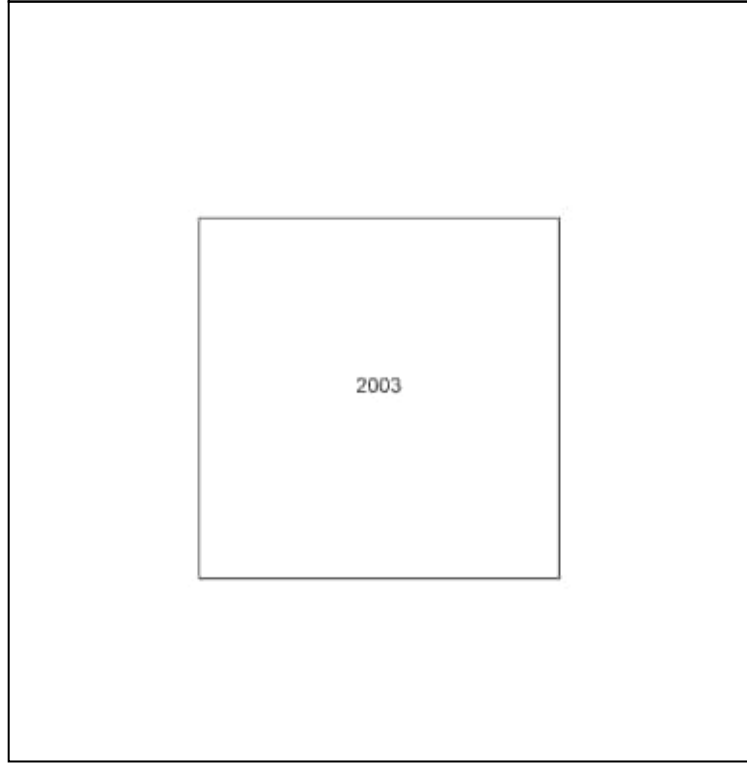
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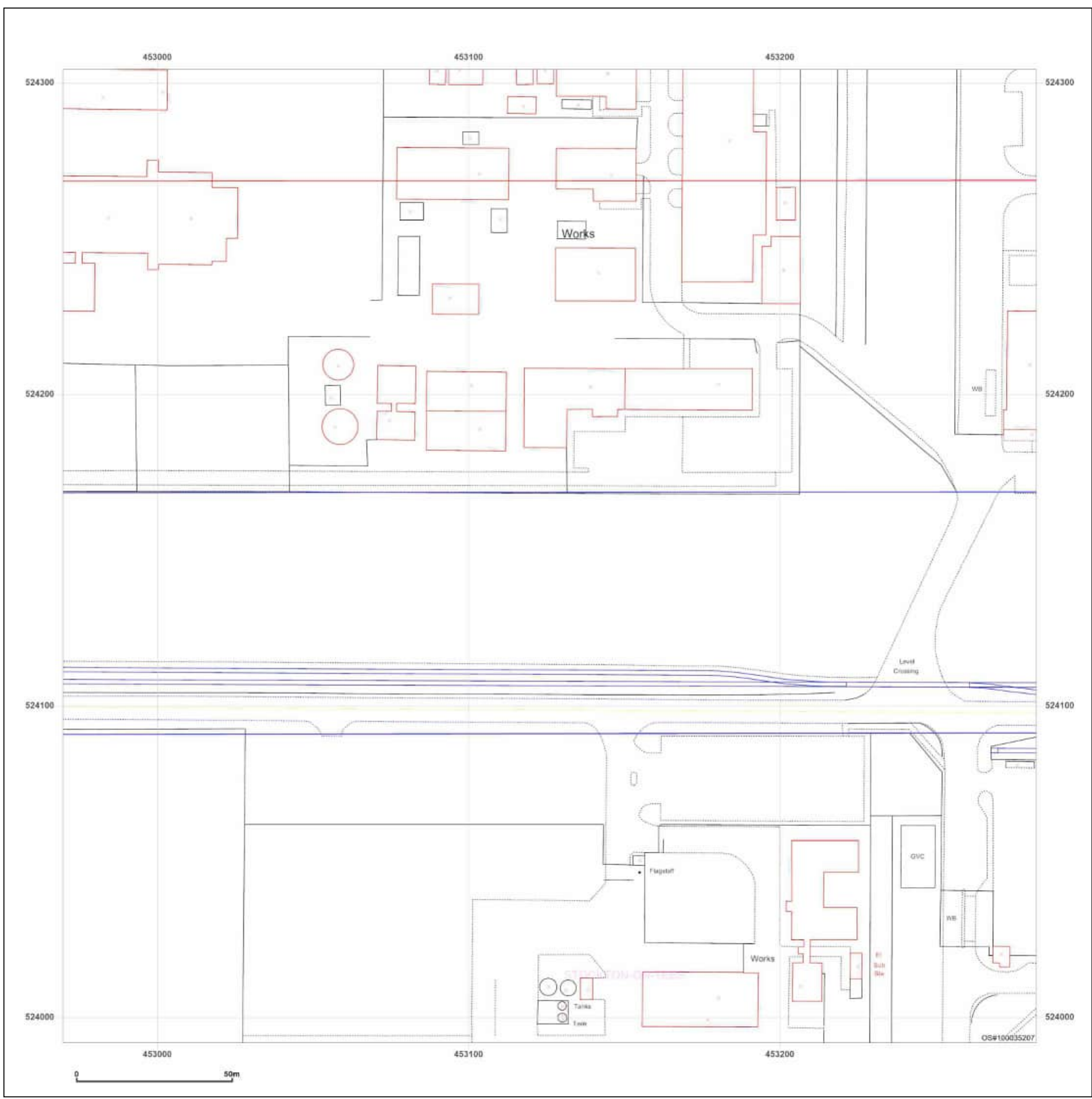


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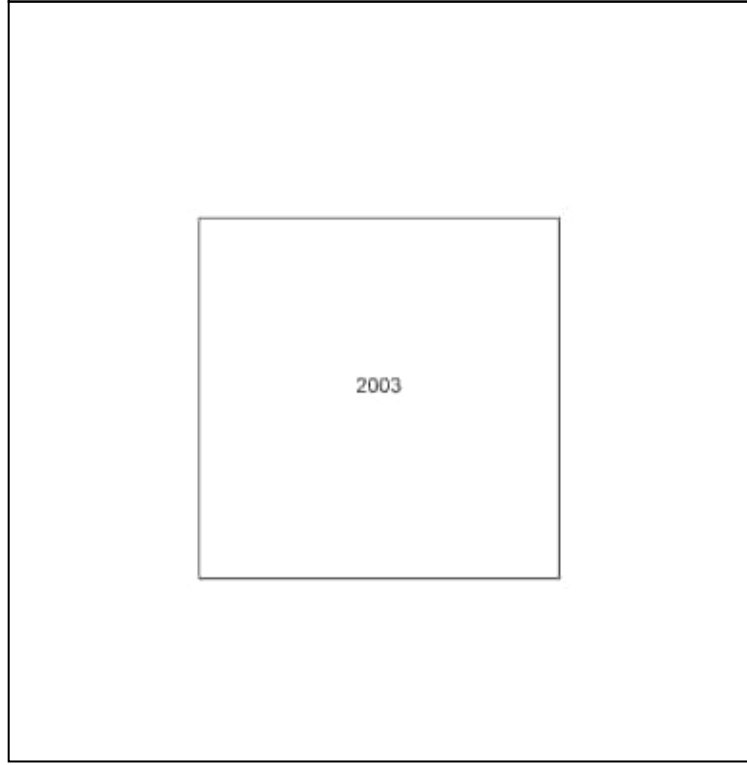
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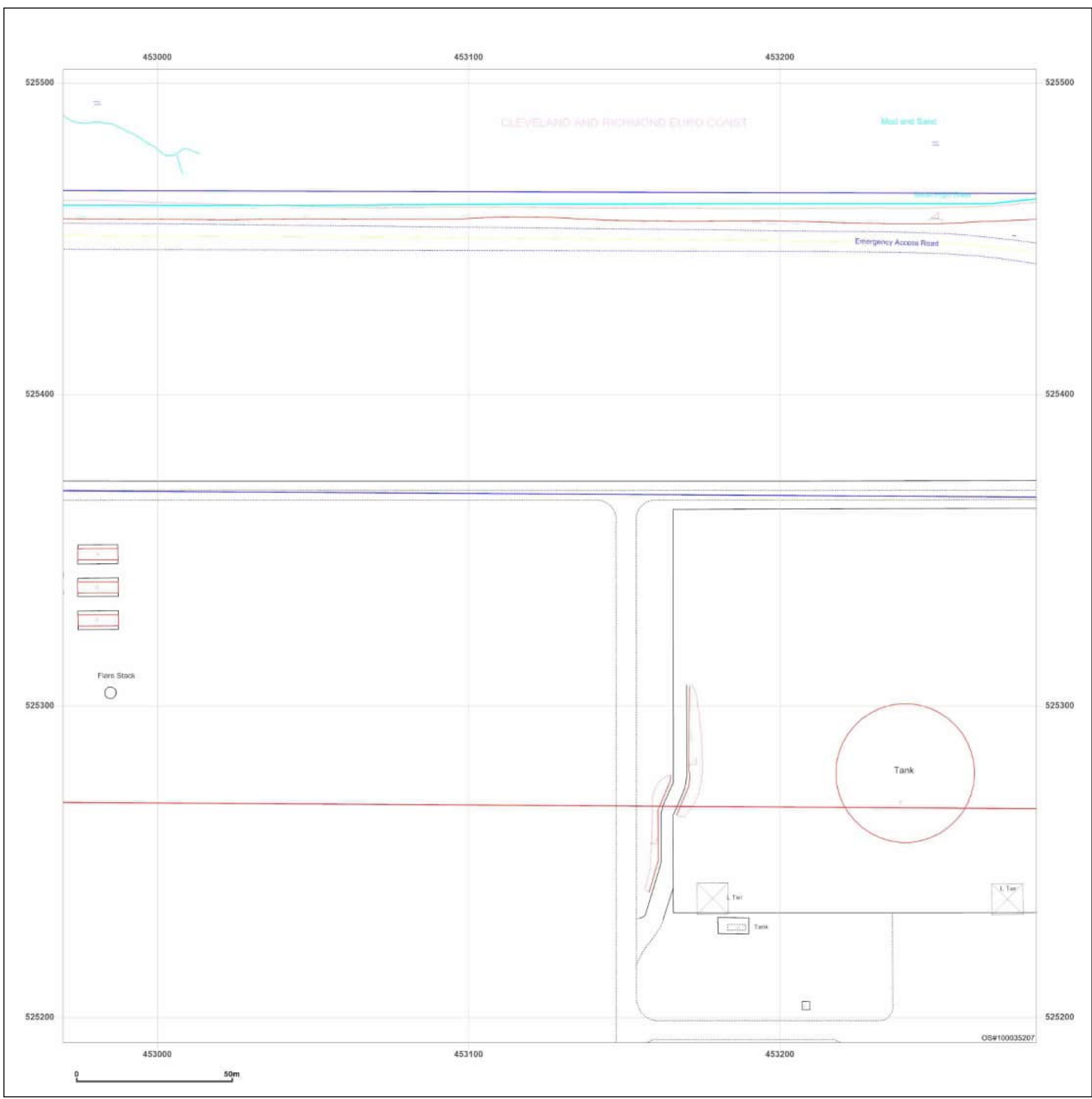


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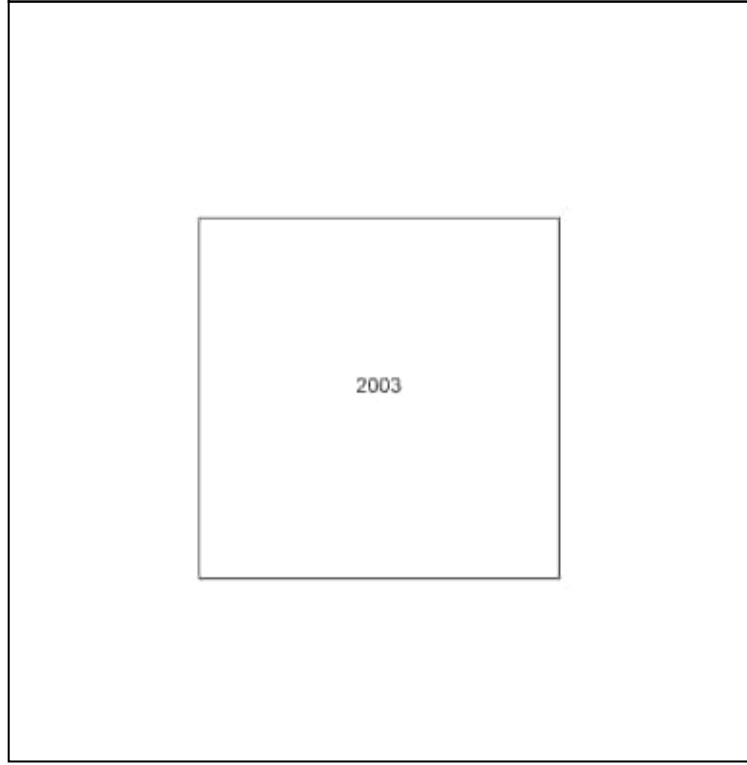
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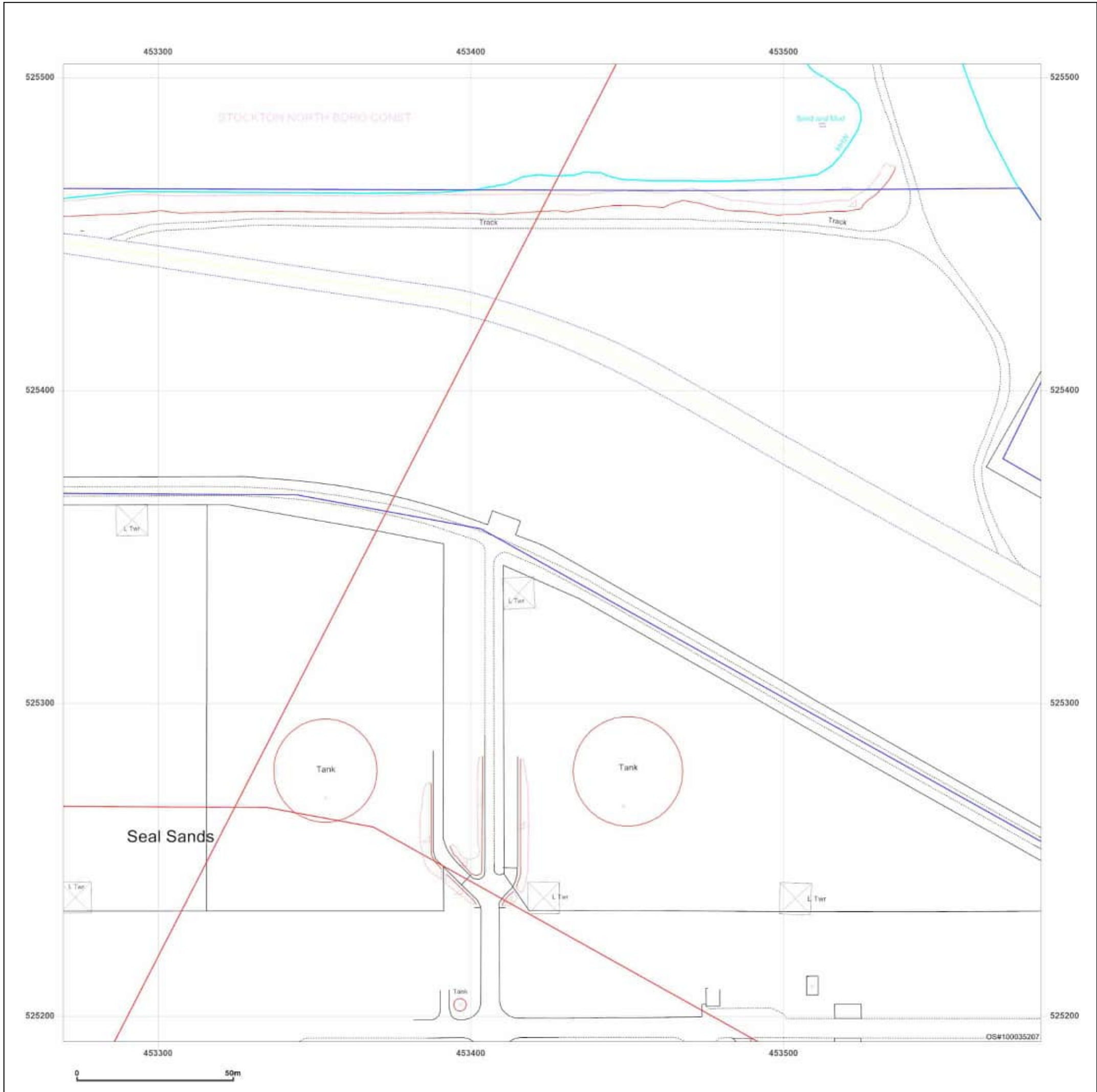
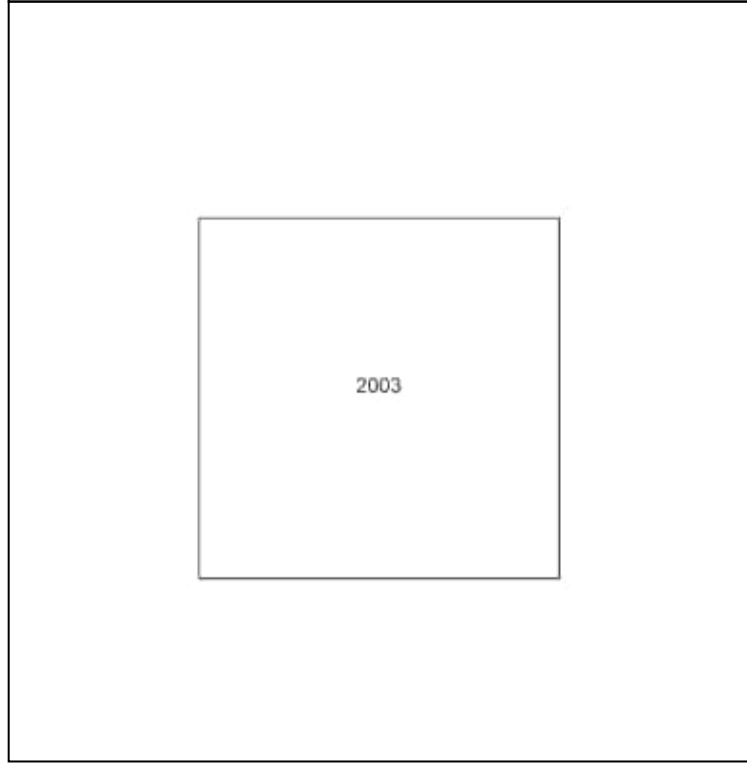
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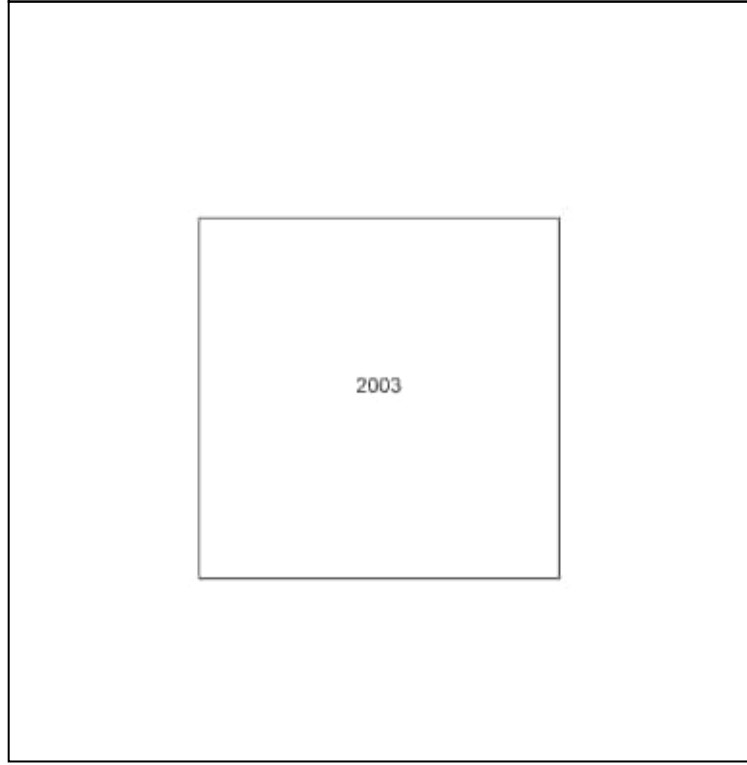
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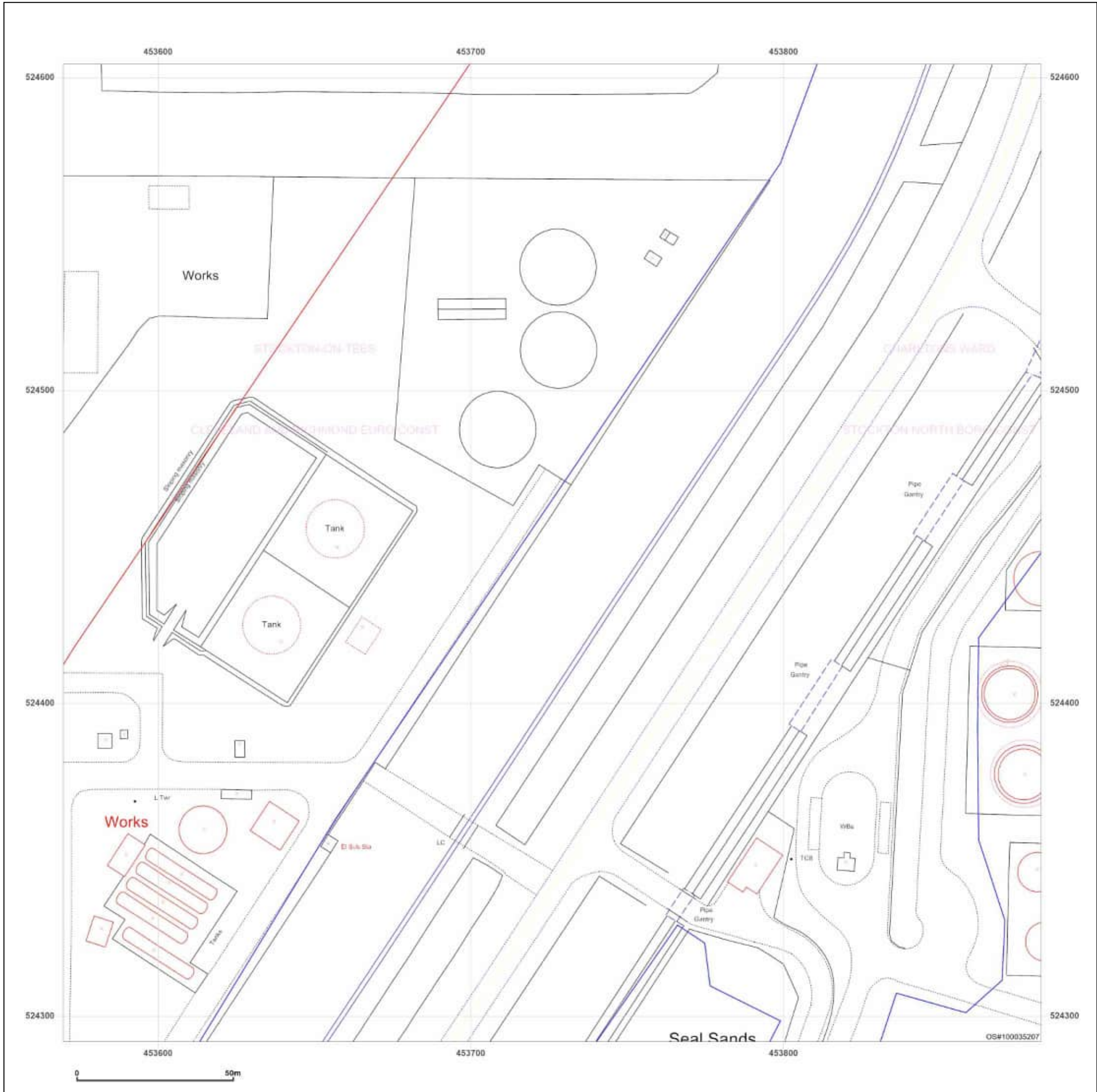
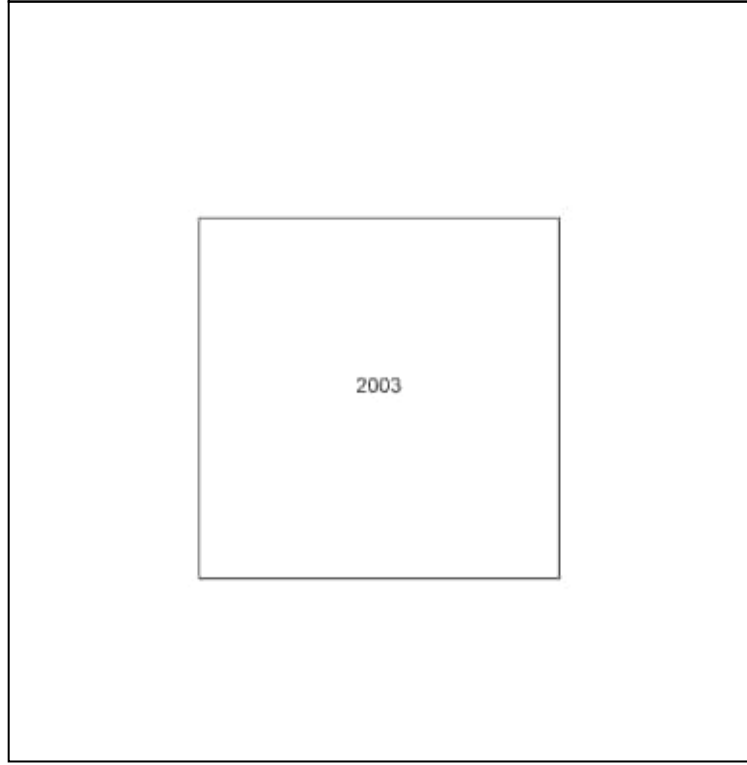
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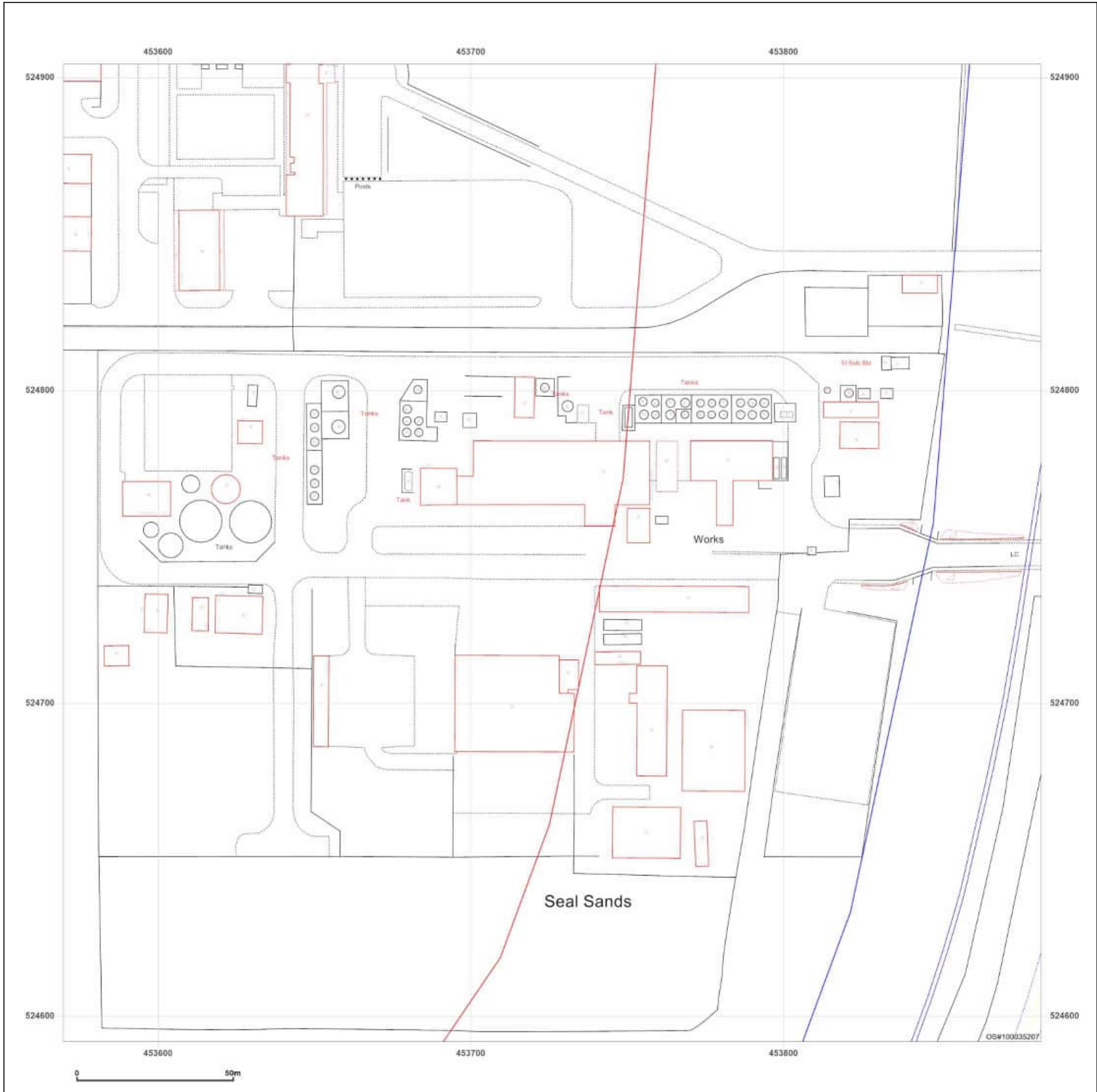
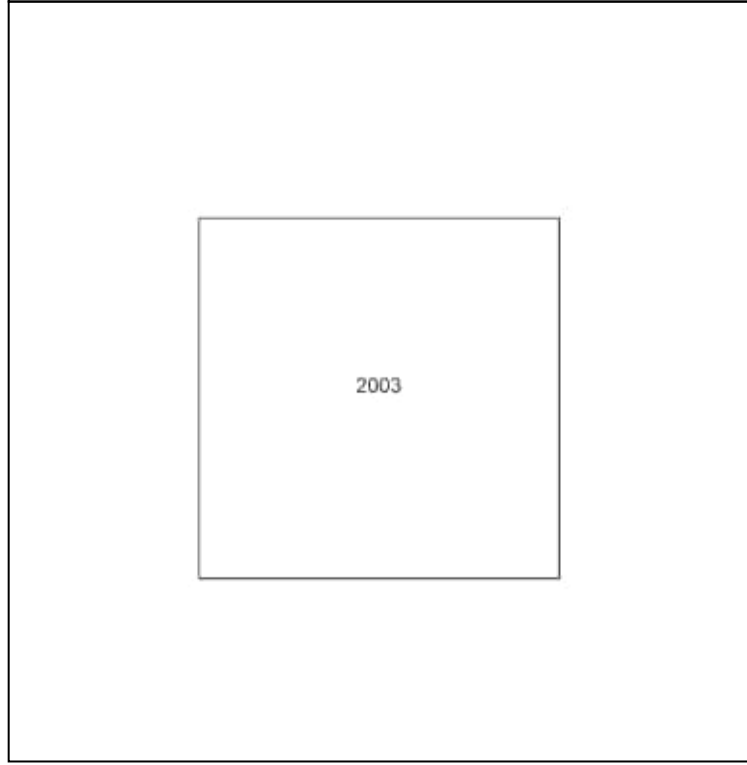
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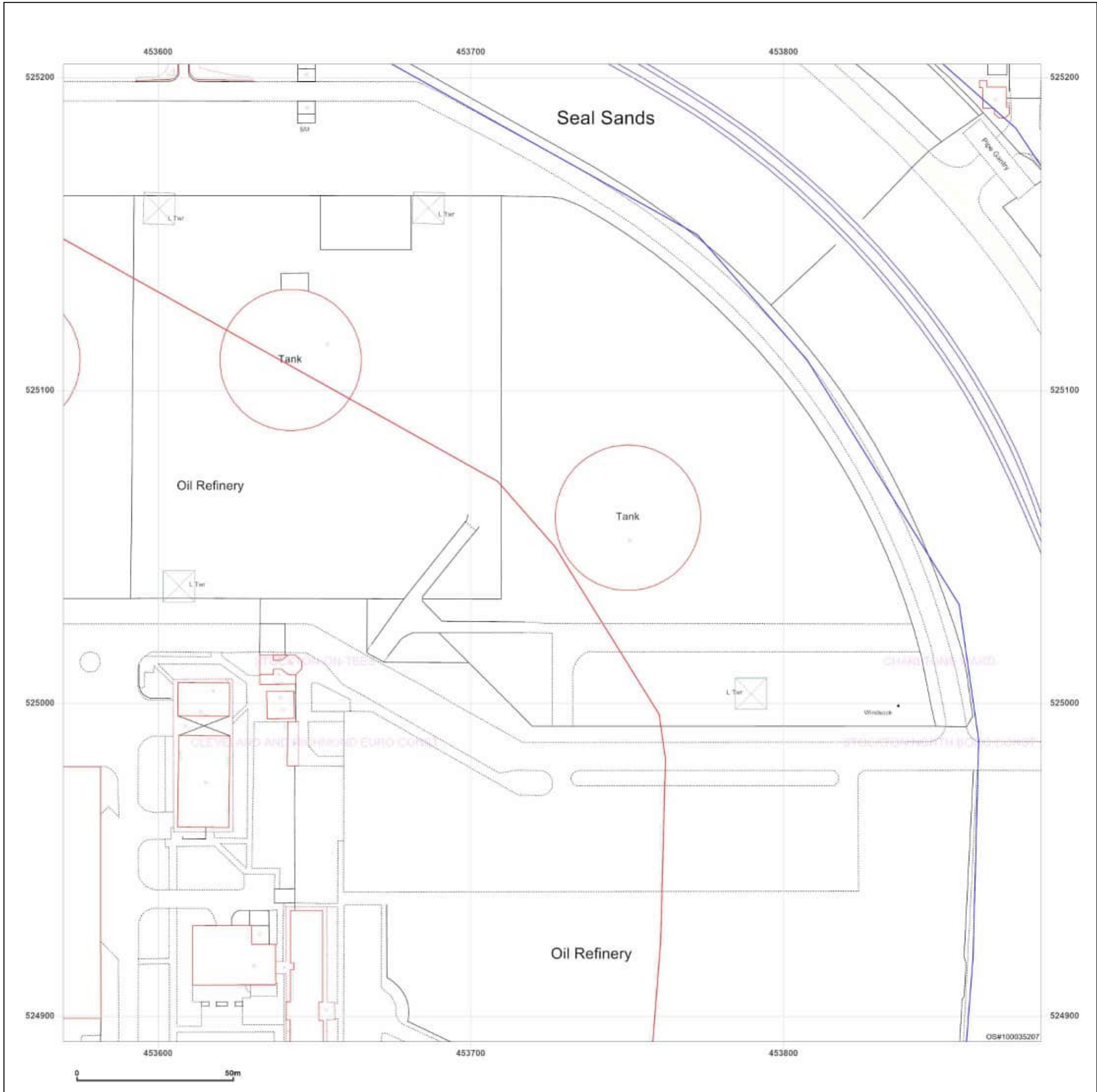
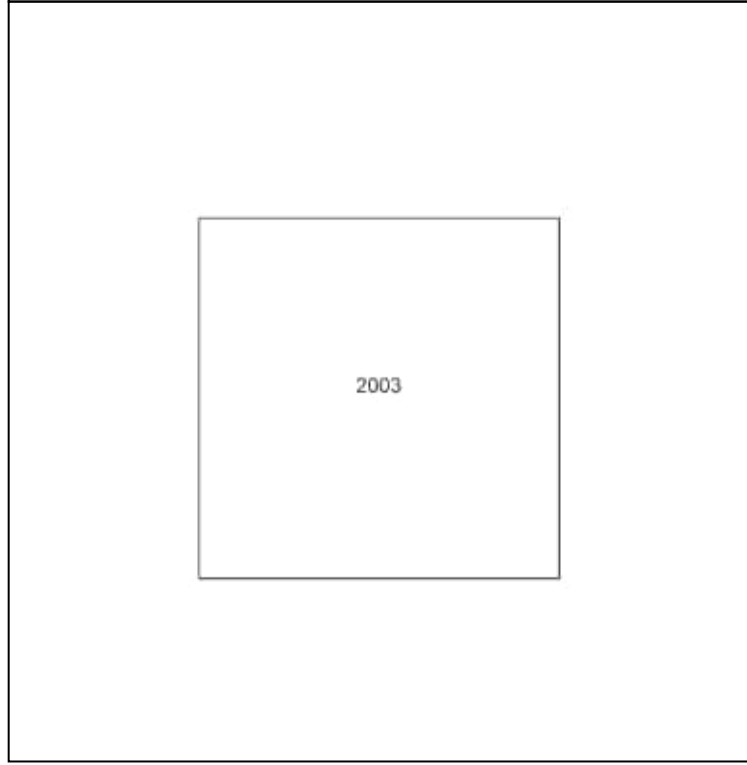
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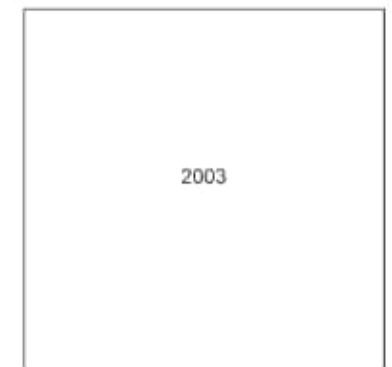
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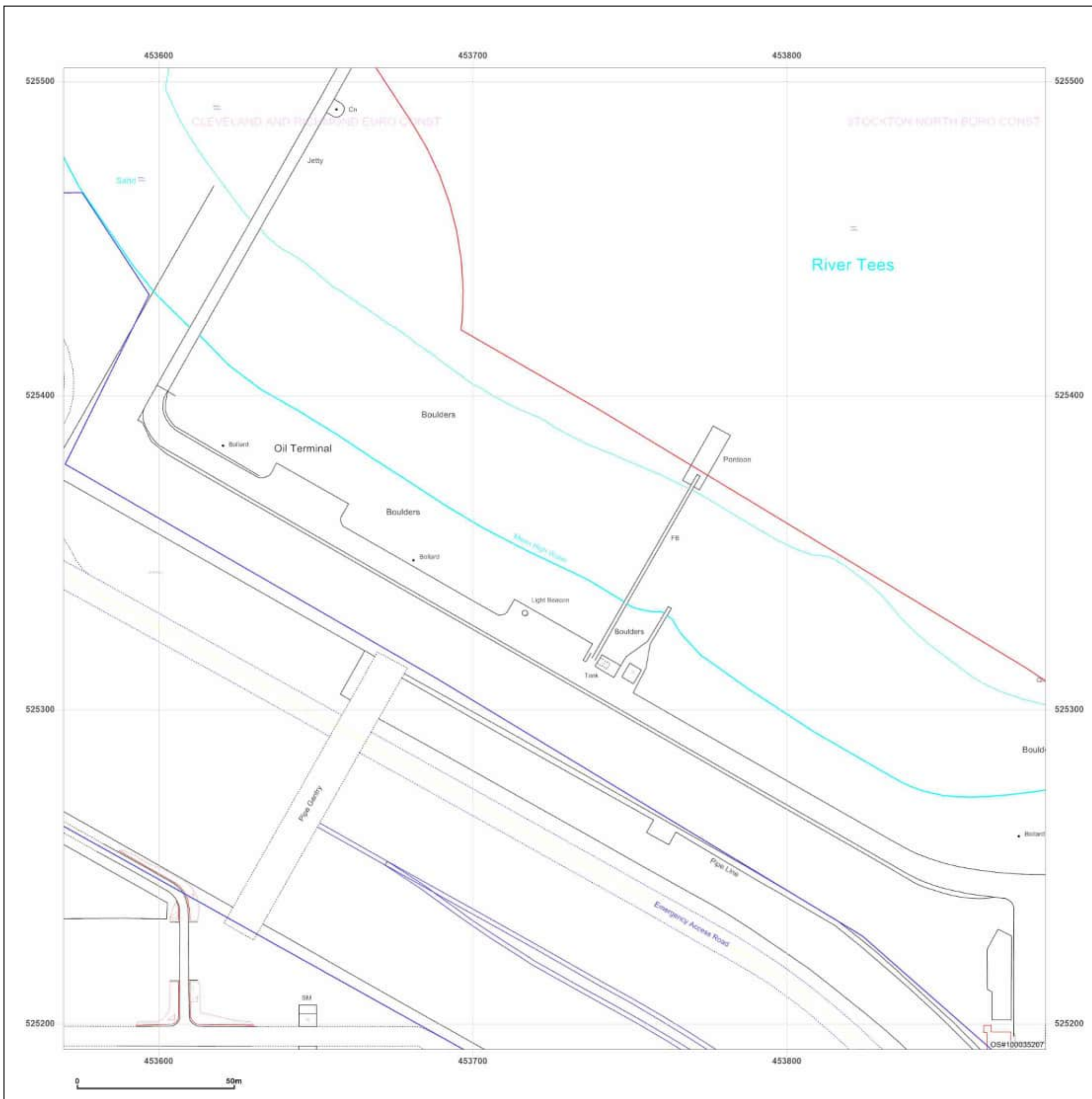


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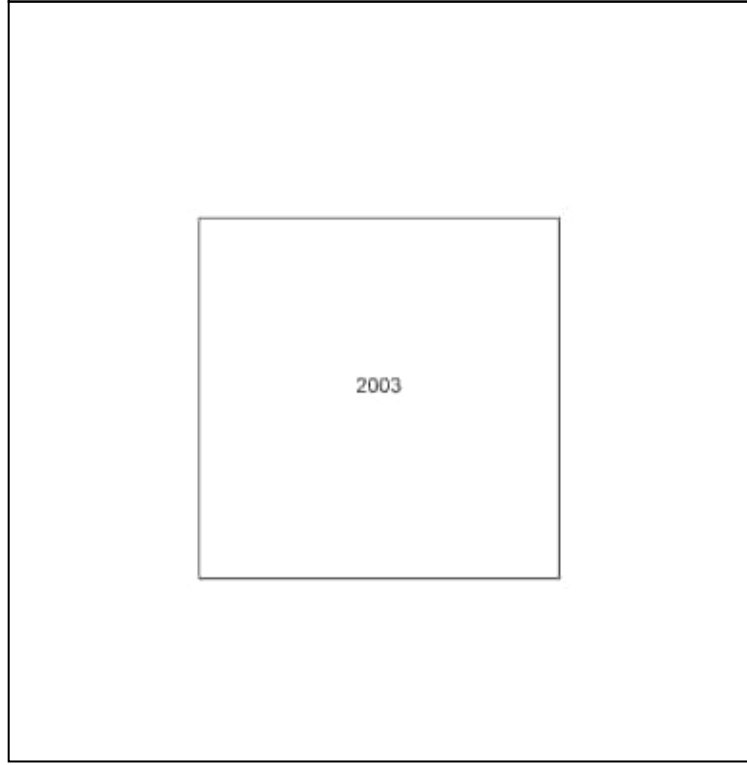
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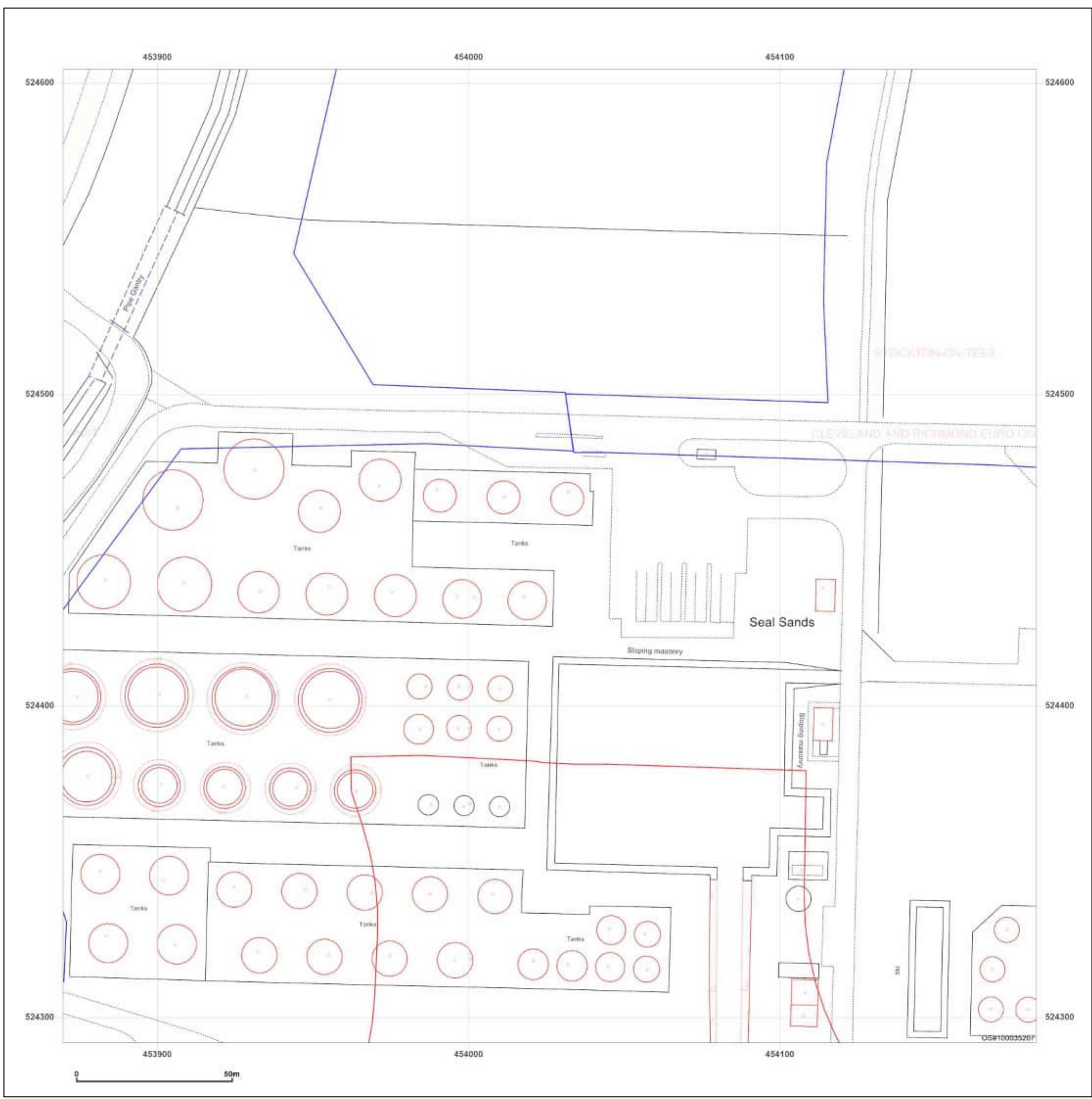


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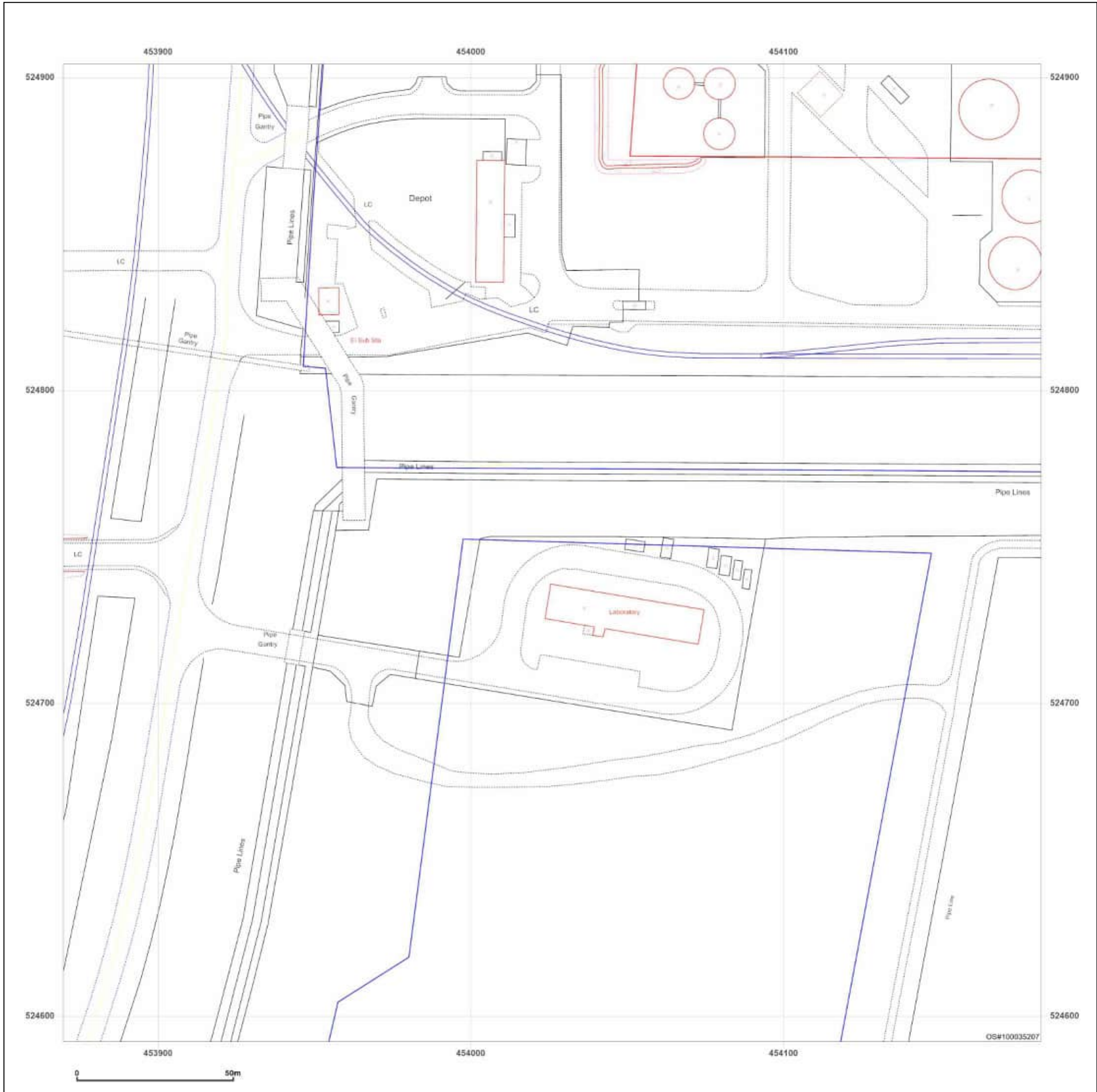
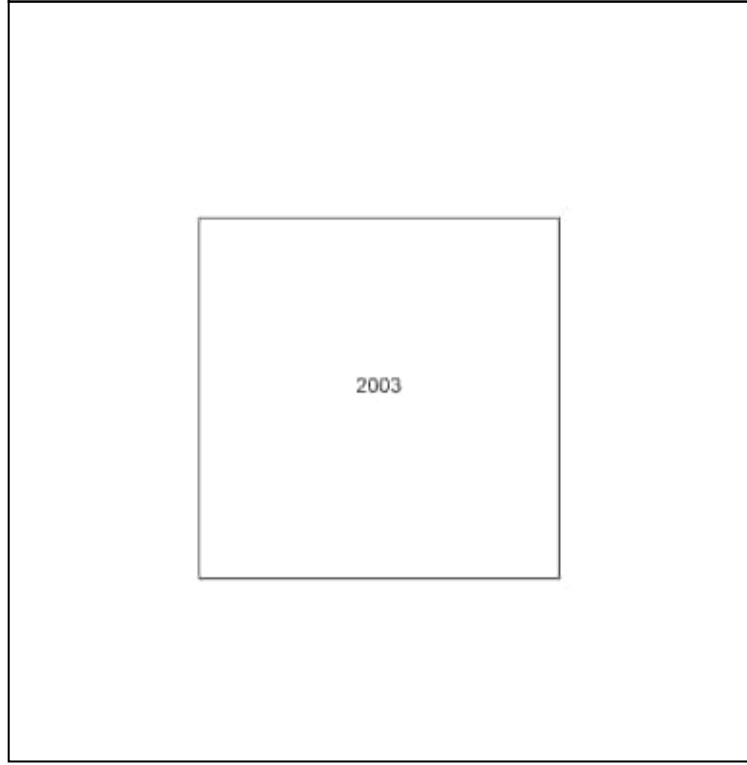
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**Grid Ref:** 454026, 524748

**Map Name:** LandLine

**Map date:** 2003

**Scale:** 1:1,250

**Printed at:** 1:1,250



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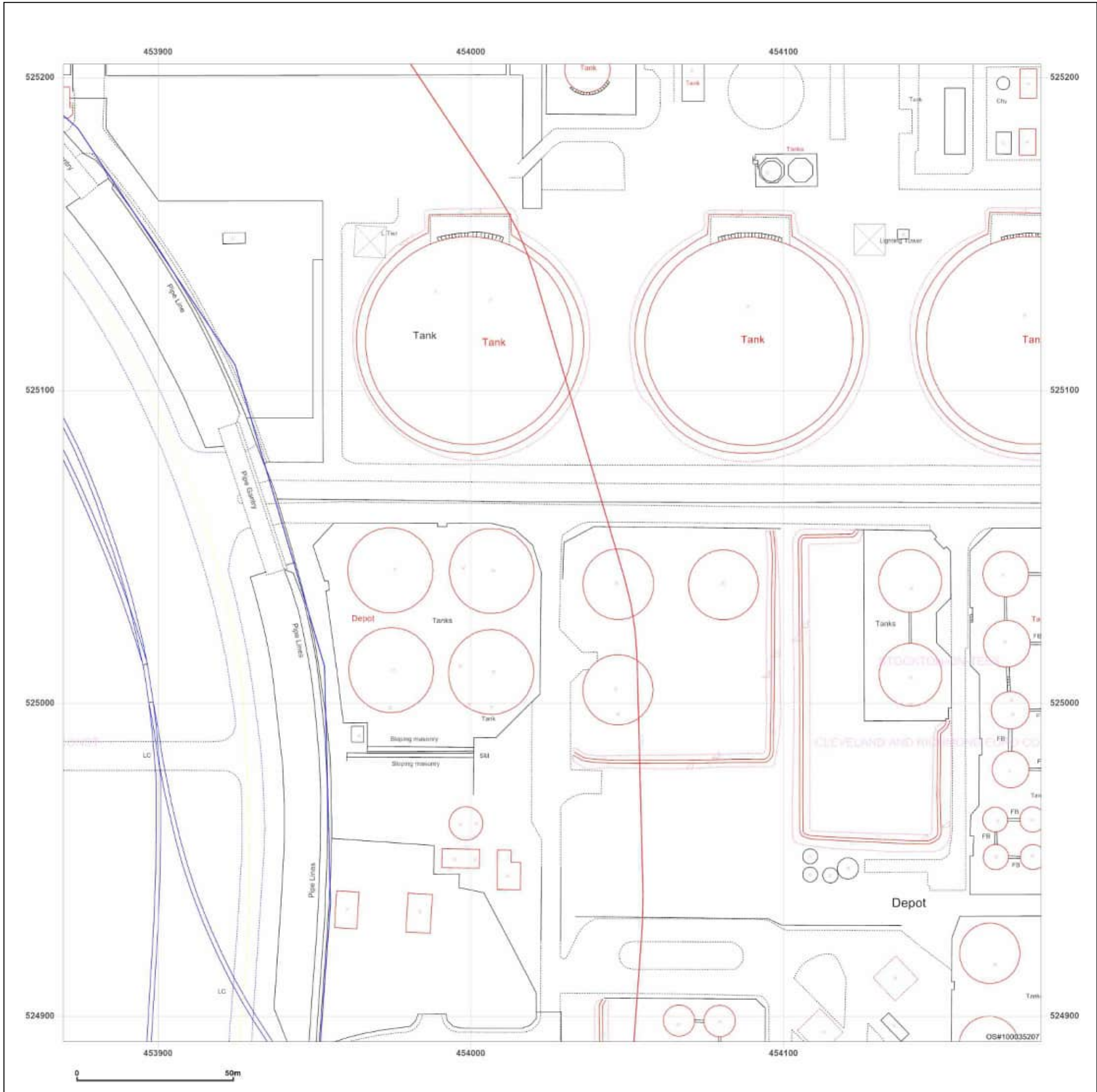
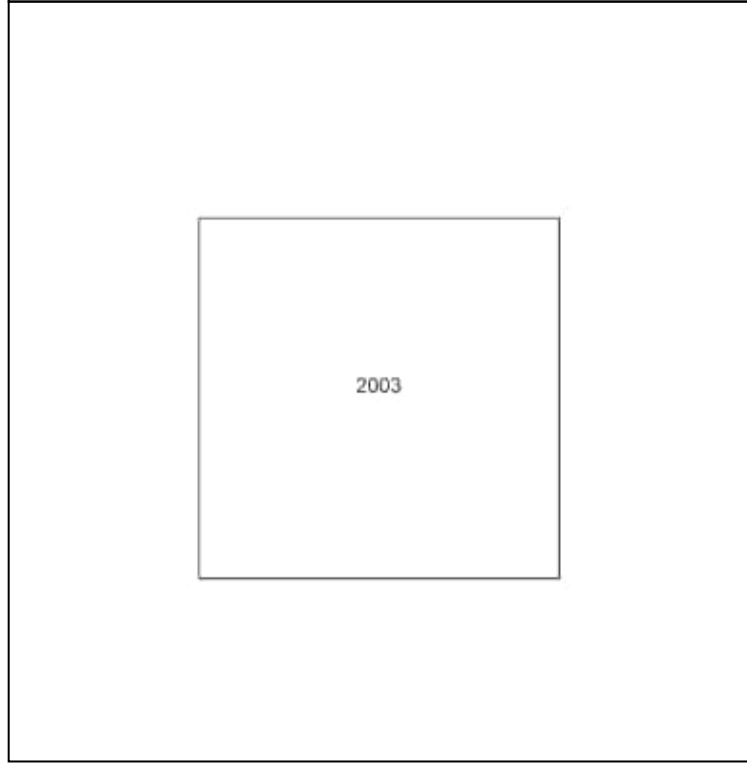
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**Map date:** 2003

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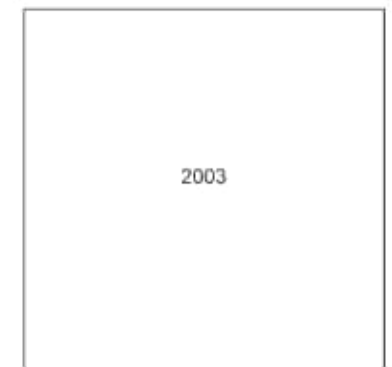
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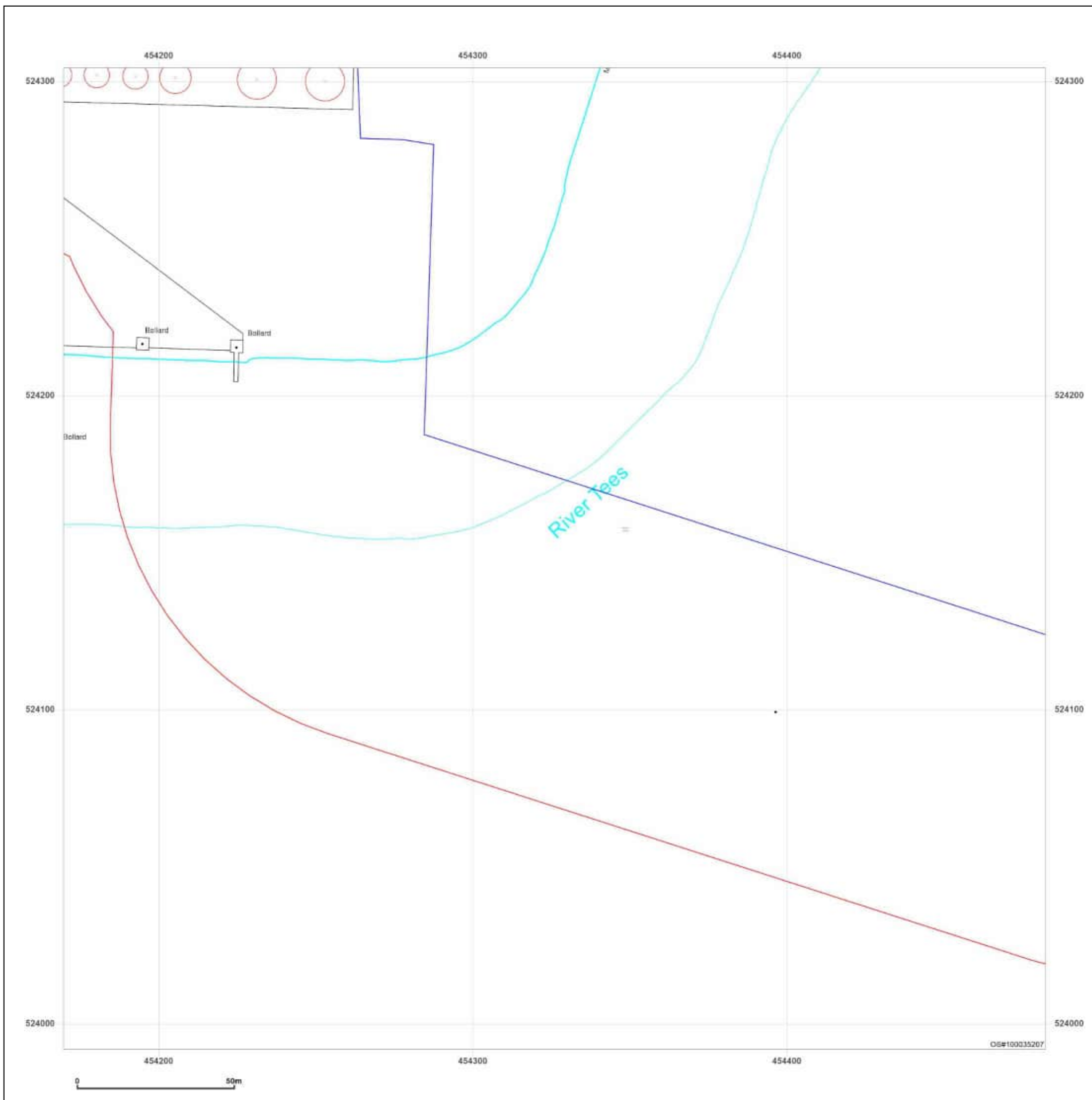


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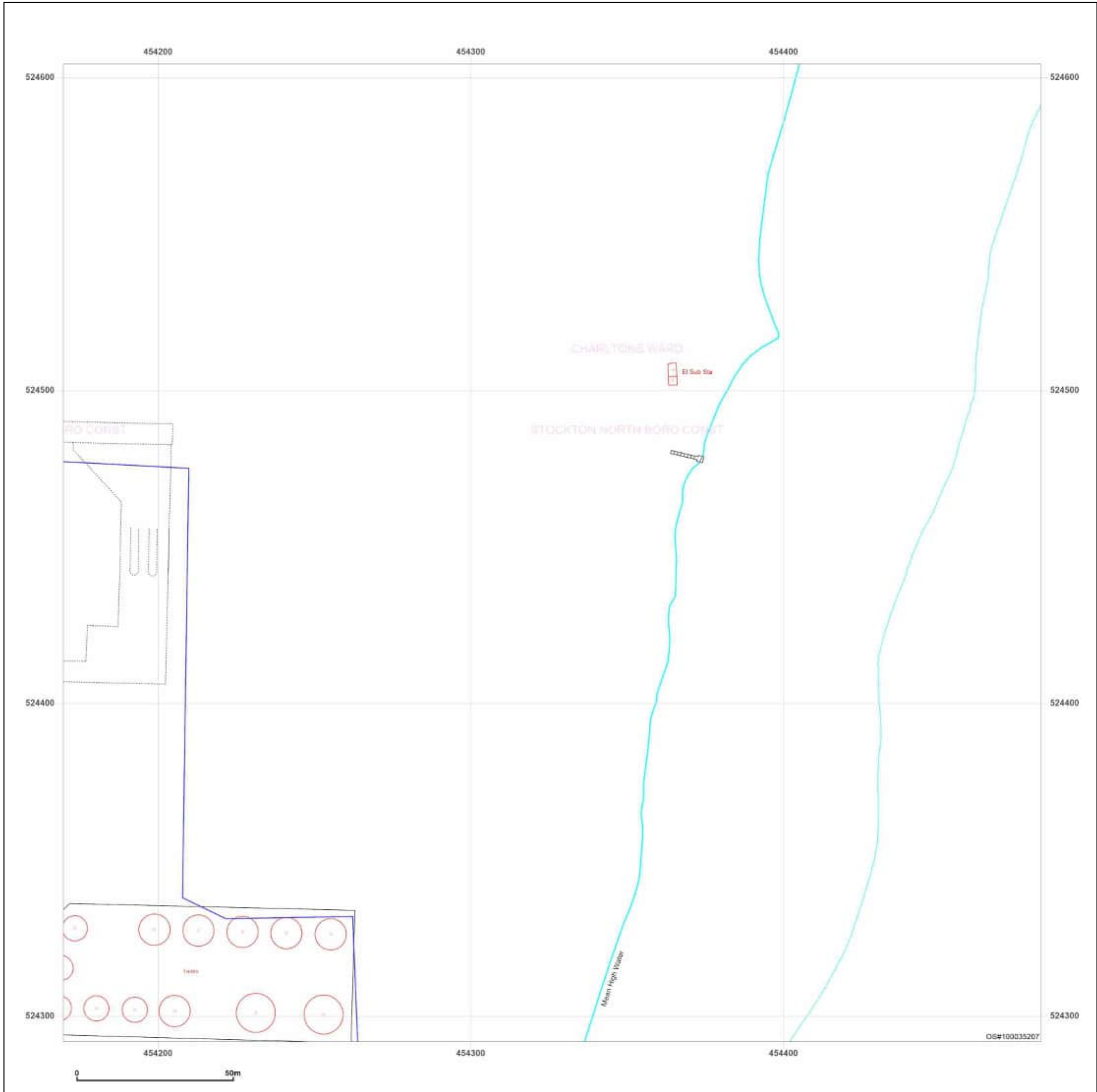
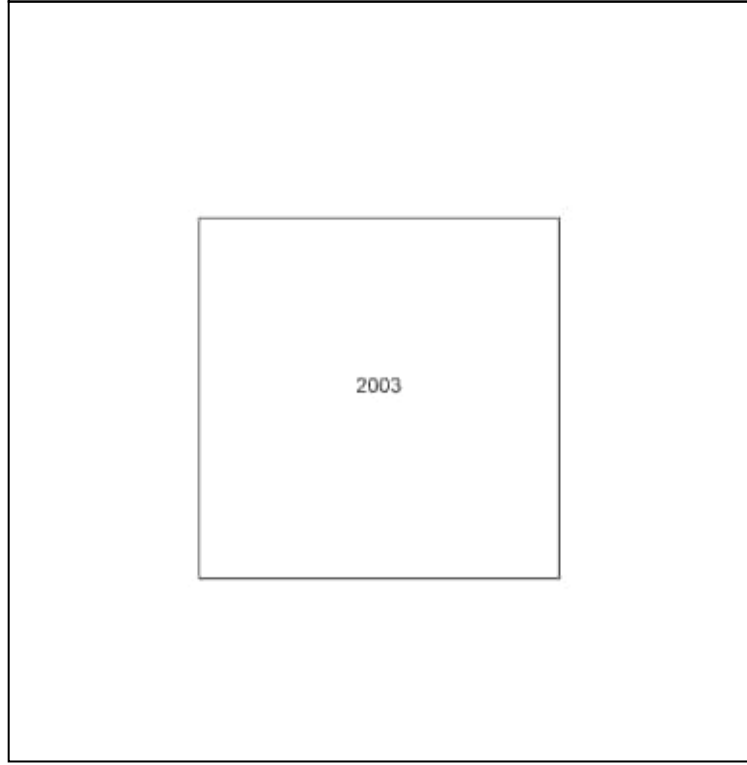
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**Map Name:** LandLine

**Map date:** 2003

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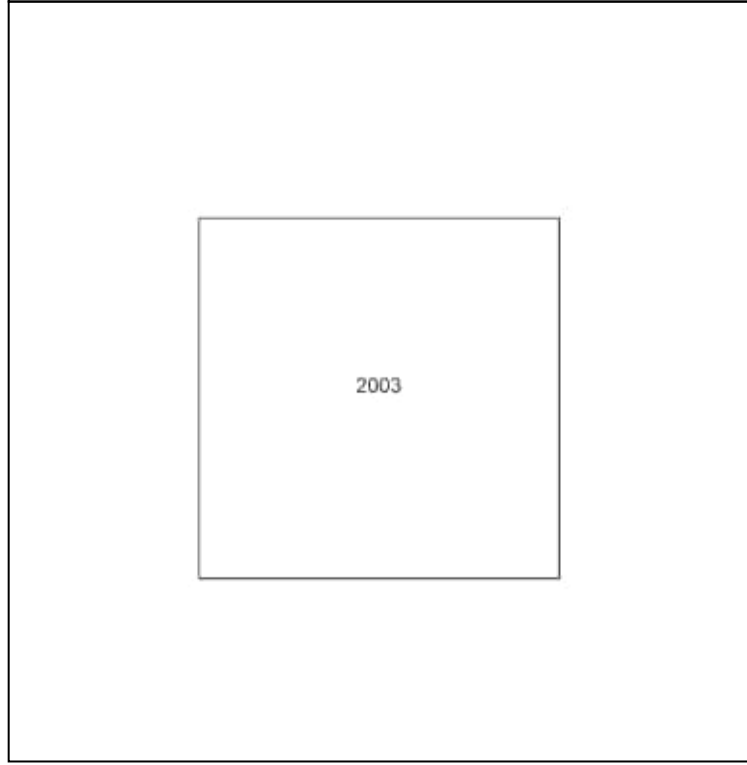
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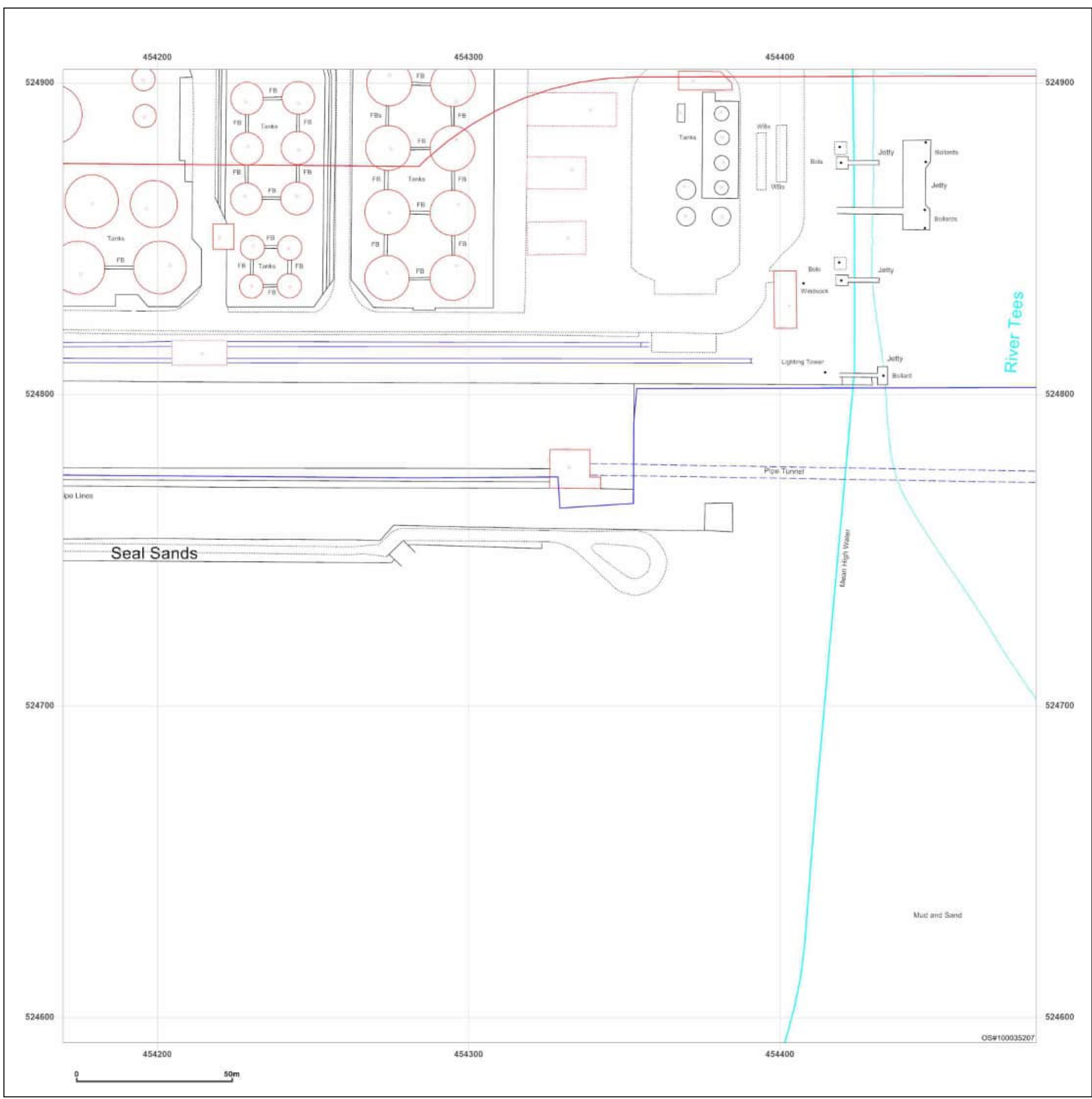


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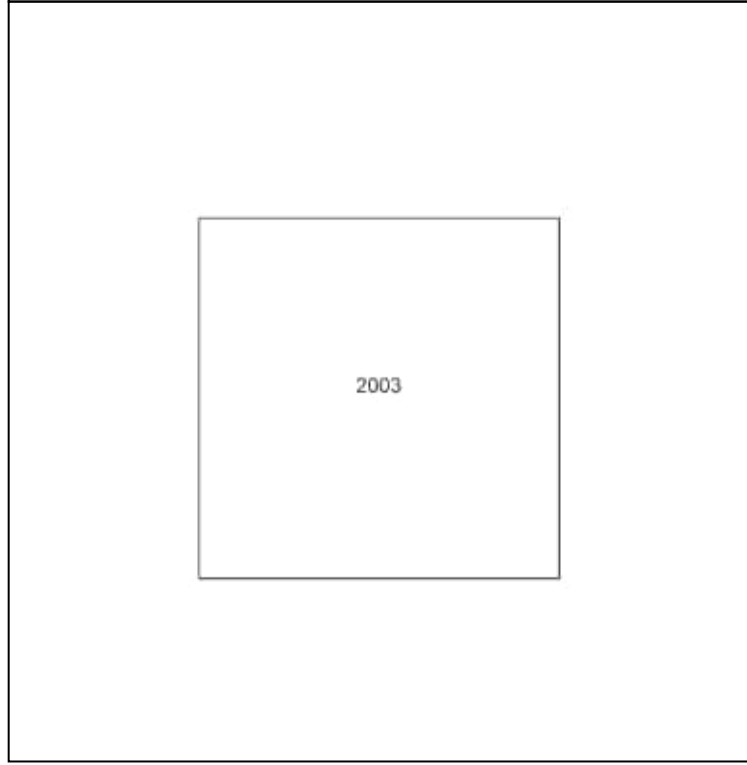
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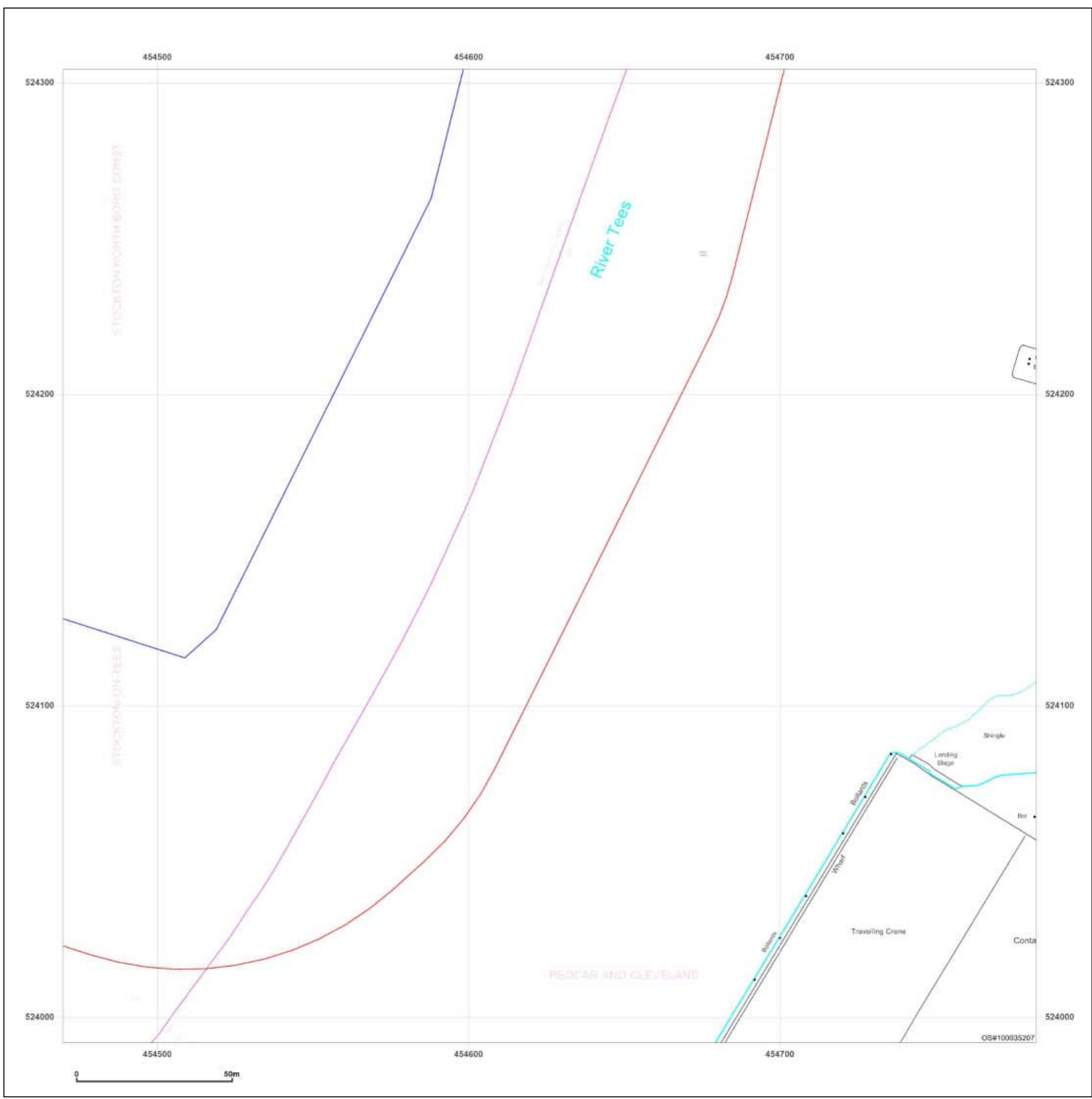


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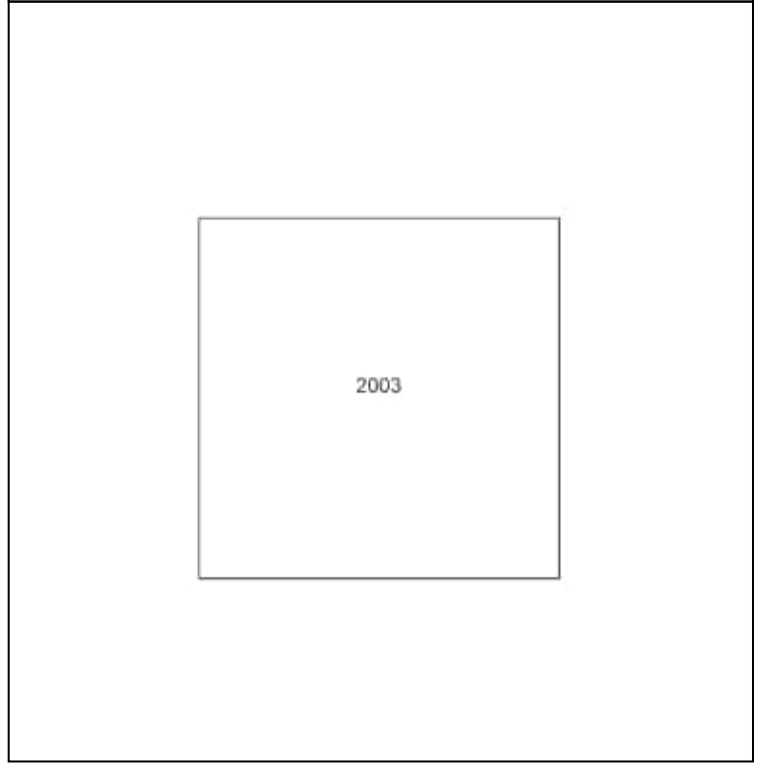
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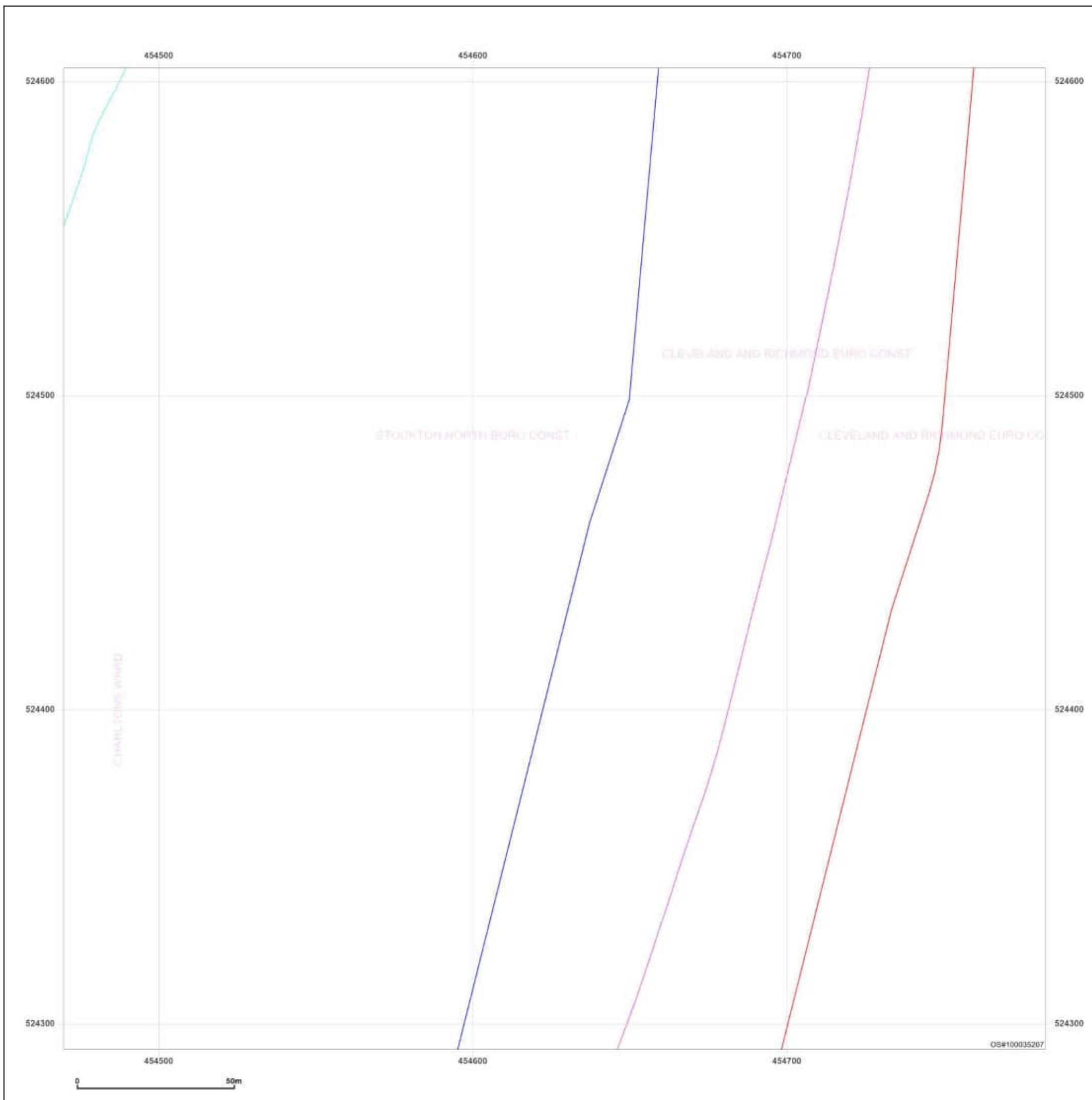


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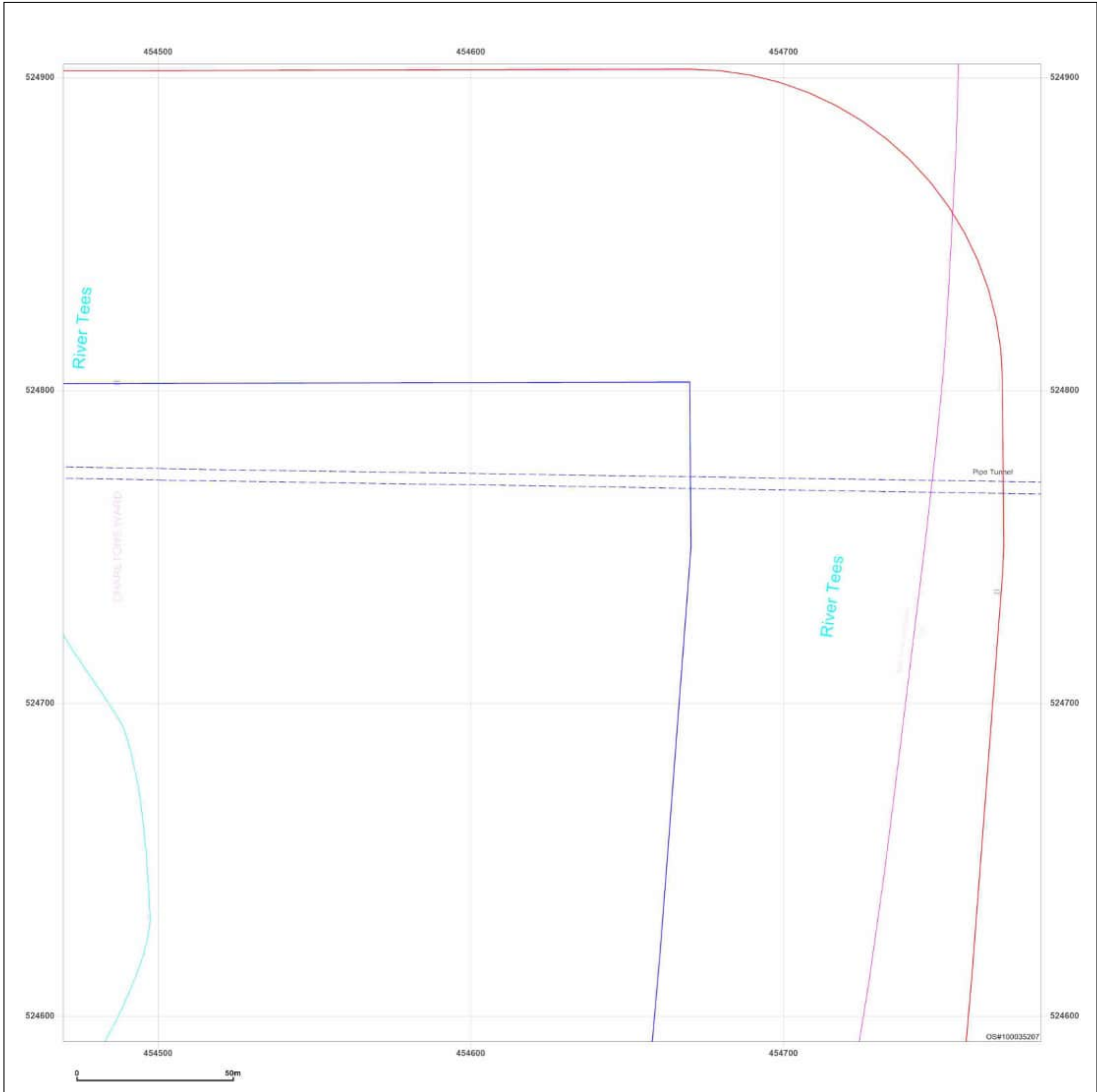
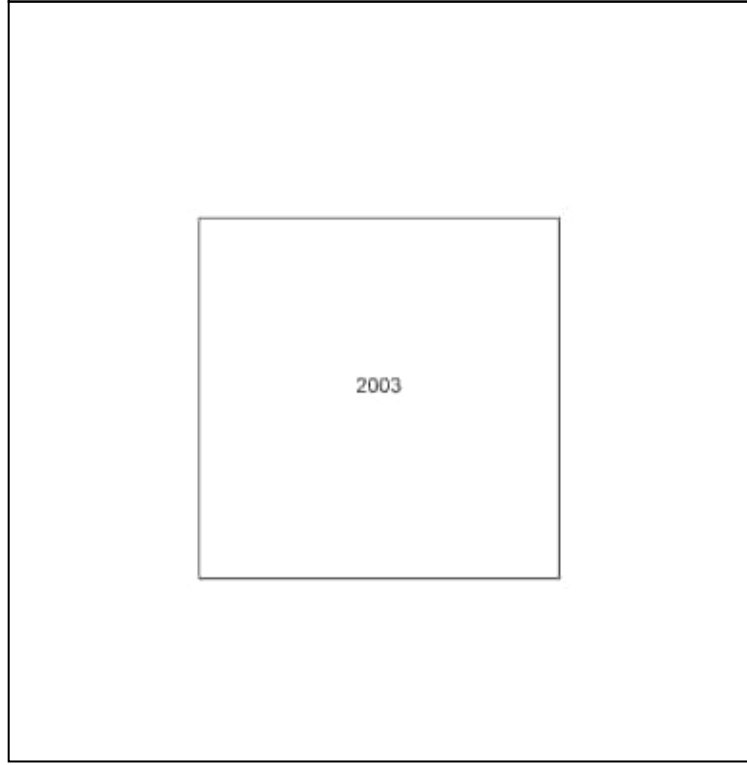
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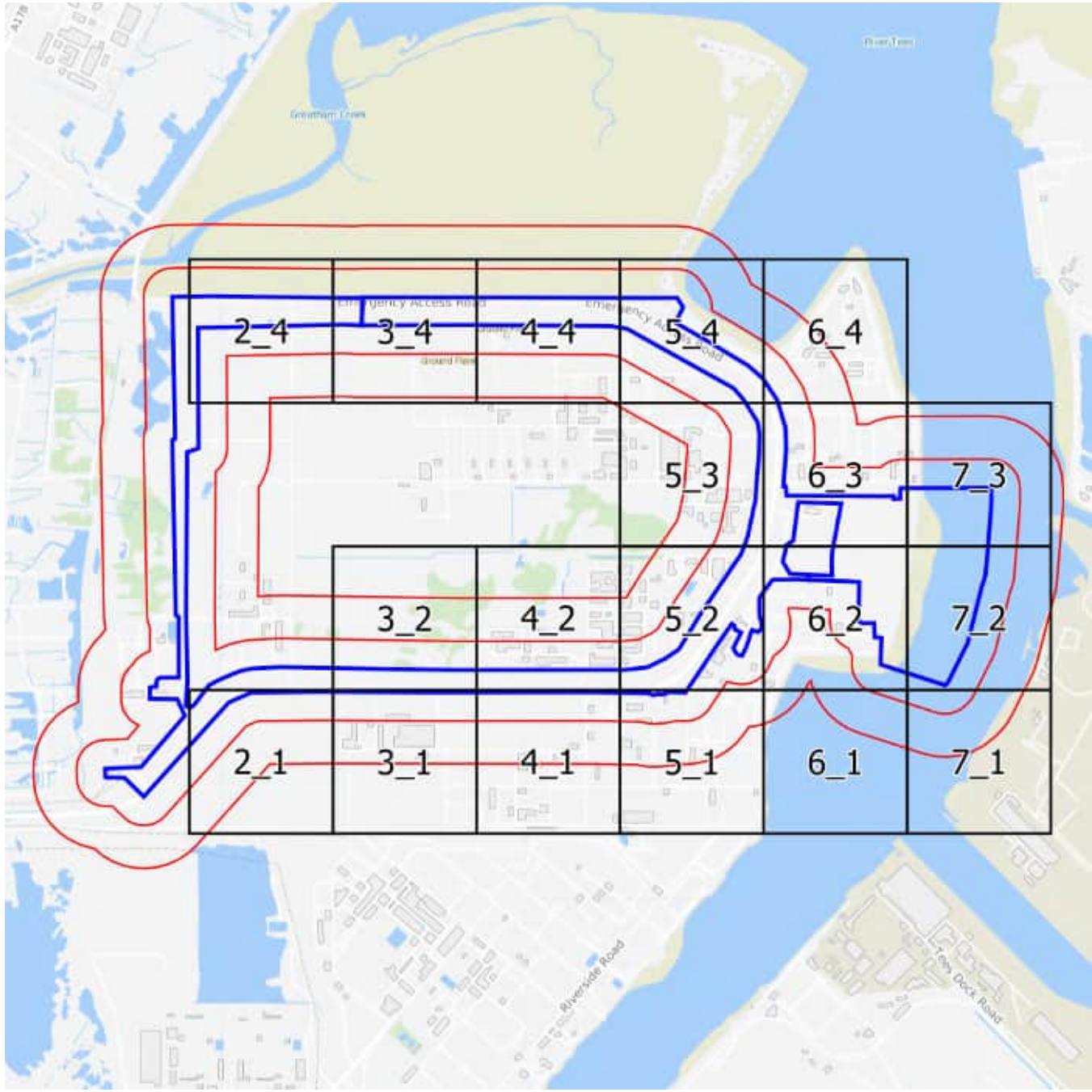


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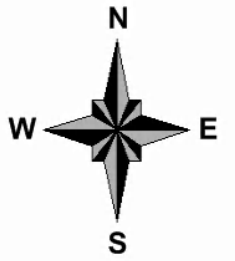
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1:1,250 Scale Grid Index



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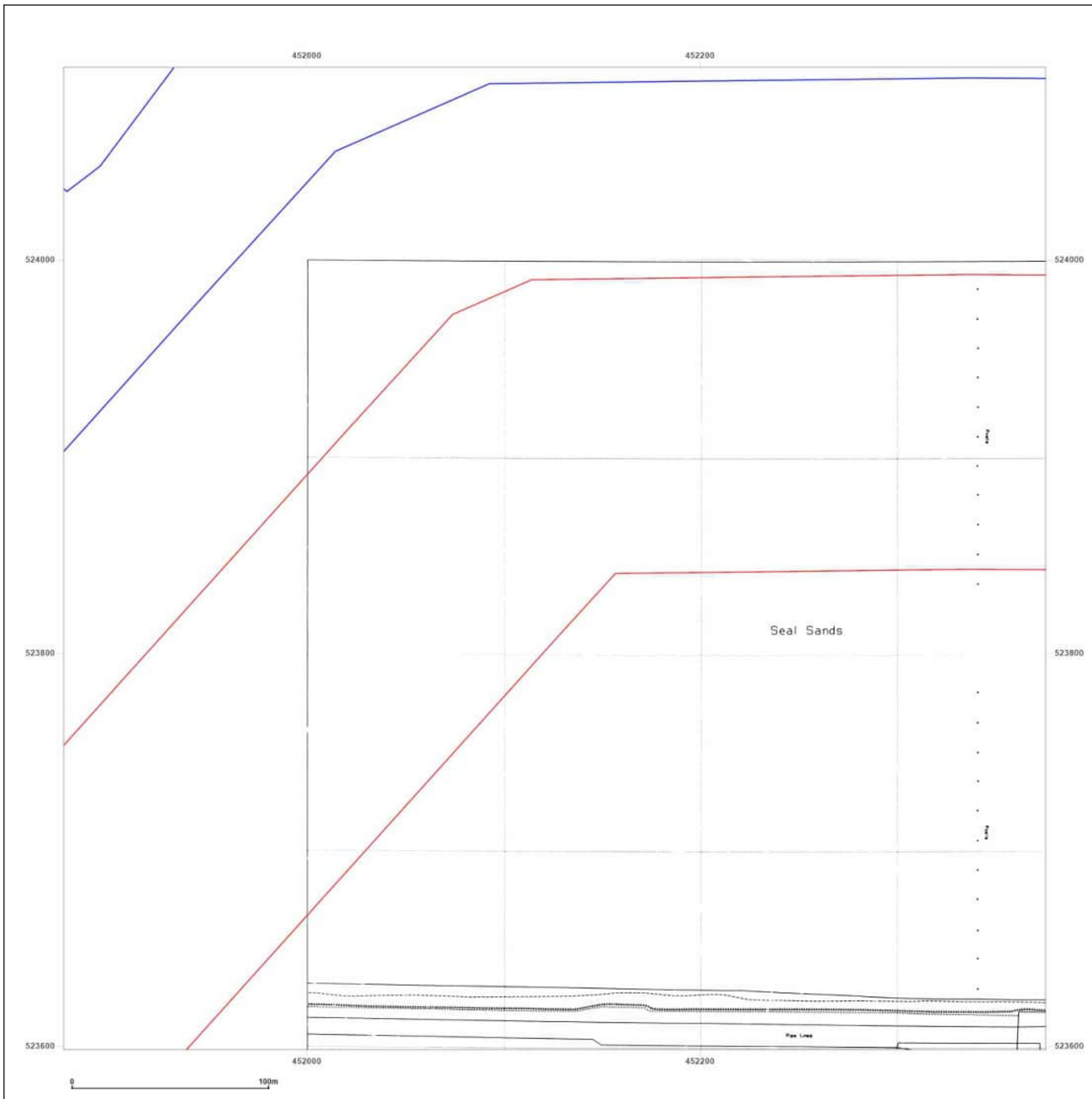
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**Grid Ref:** 452126, 523848

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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 Edition N/A  
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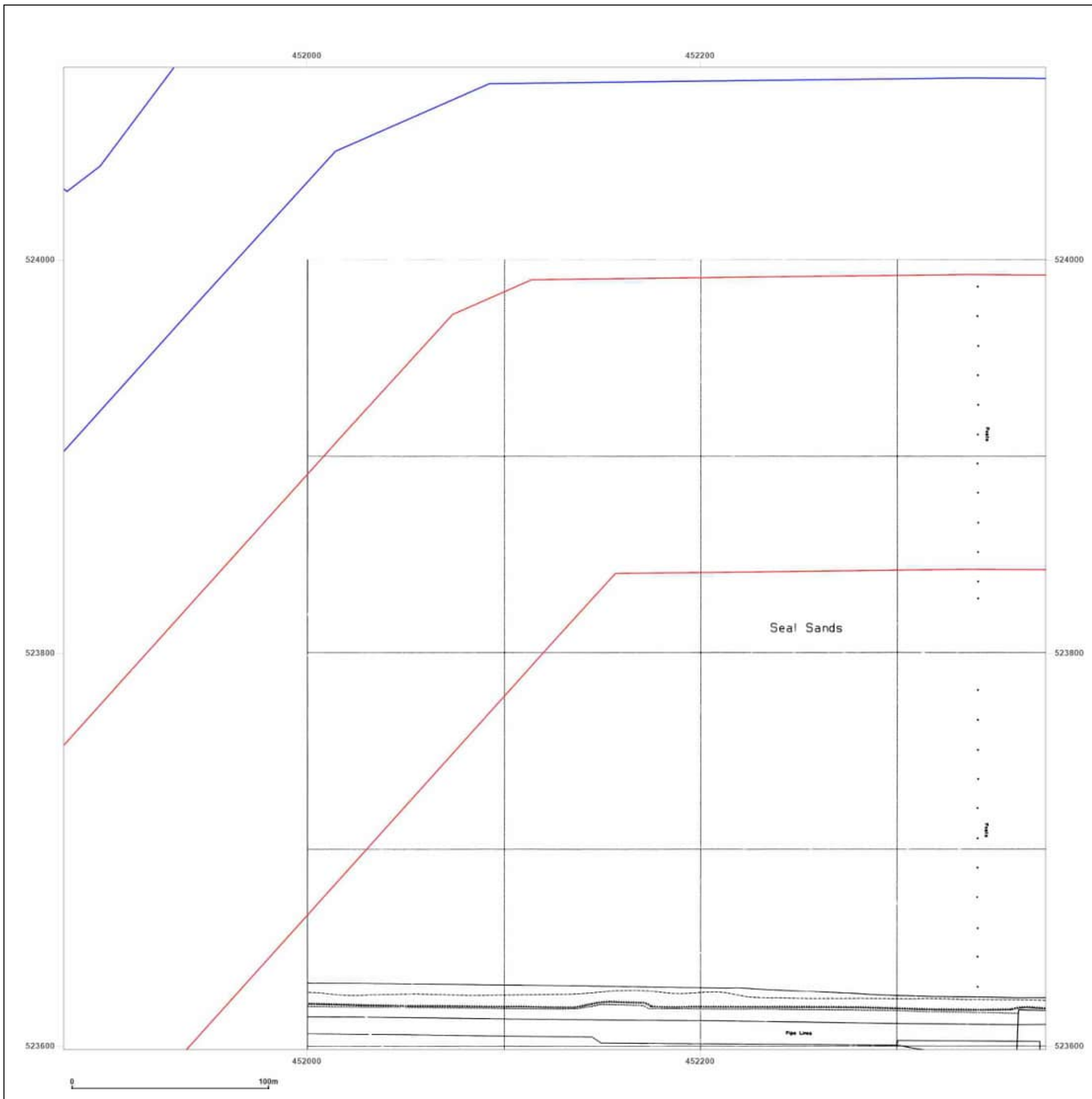


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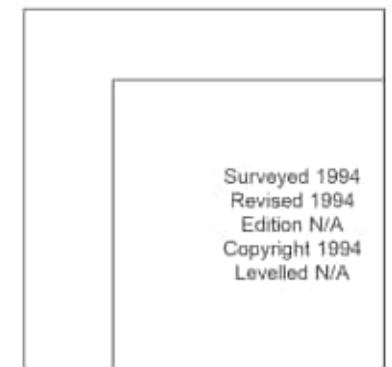
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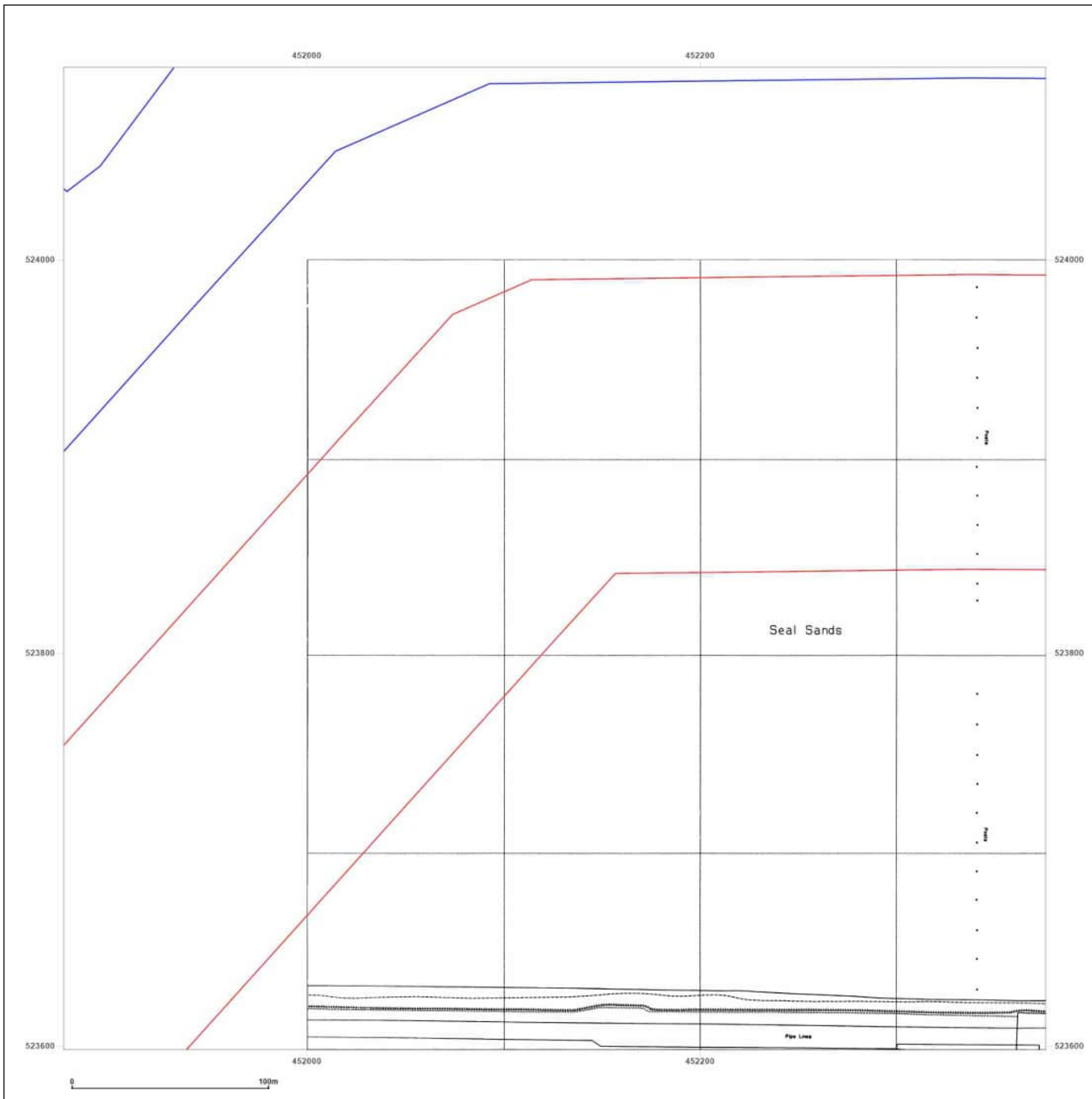


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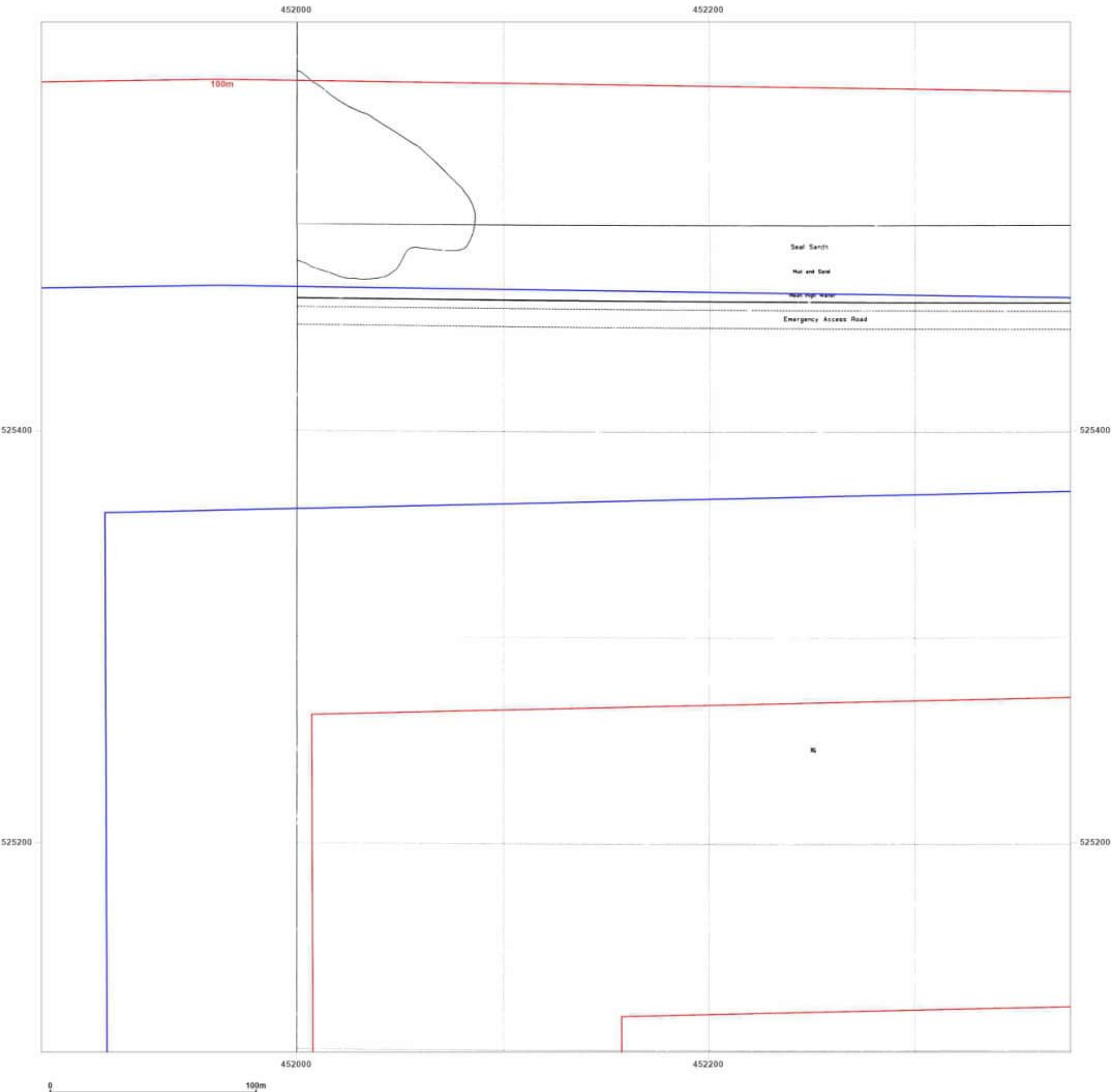
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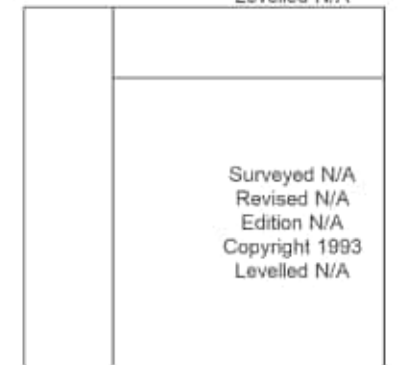
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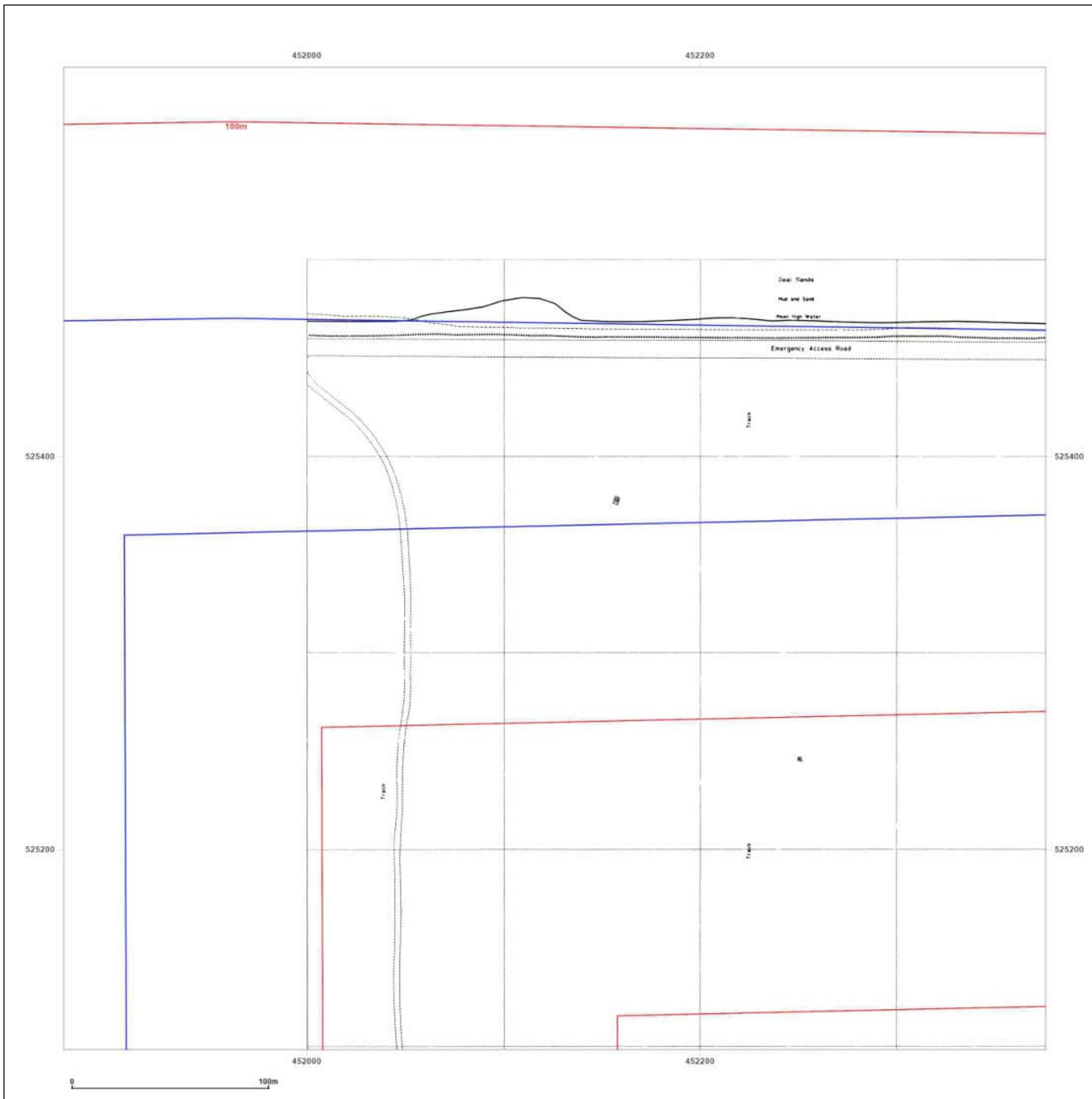


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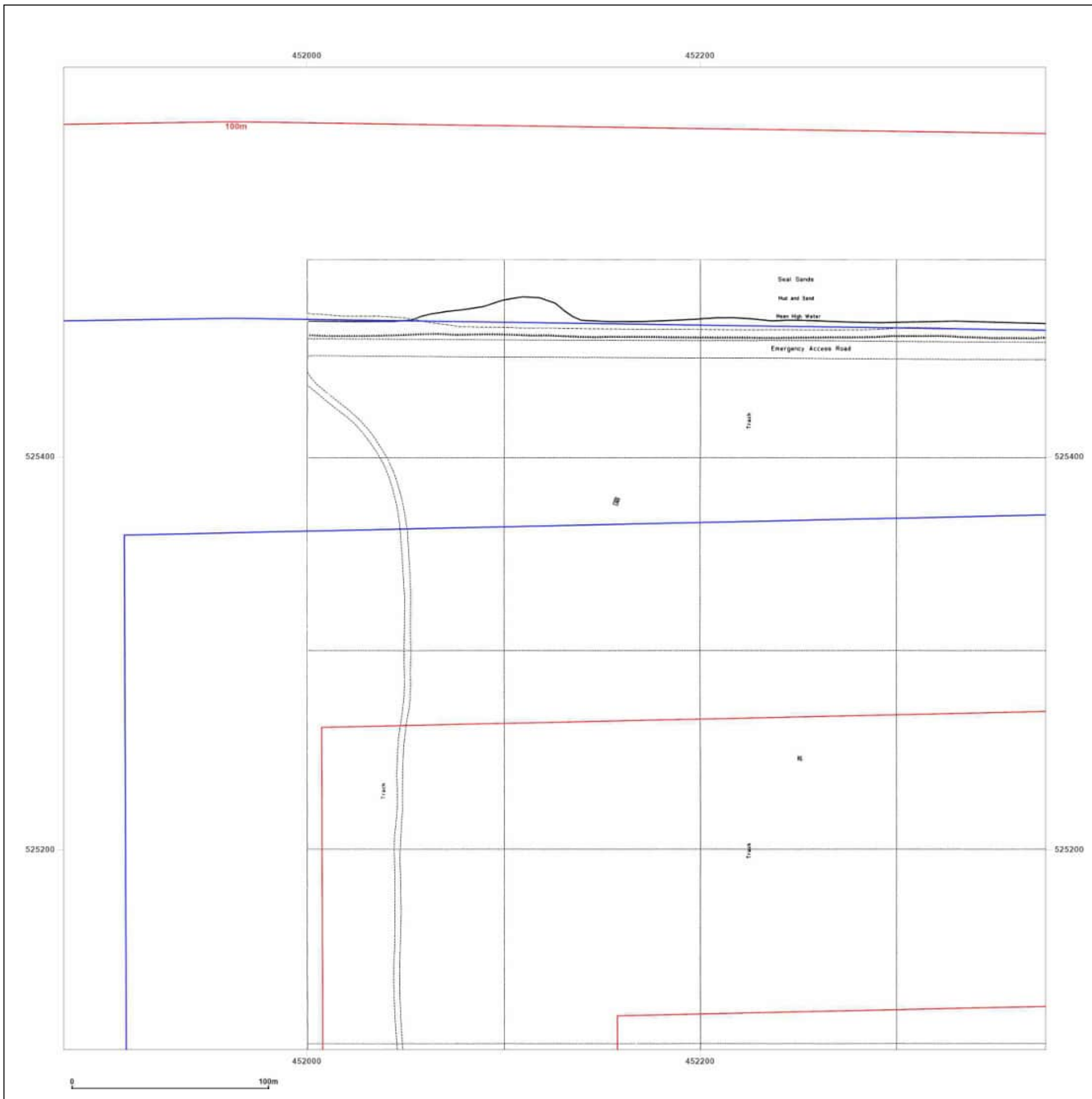


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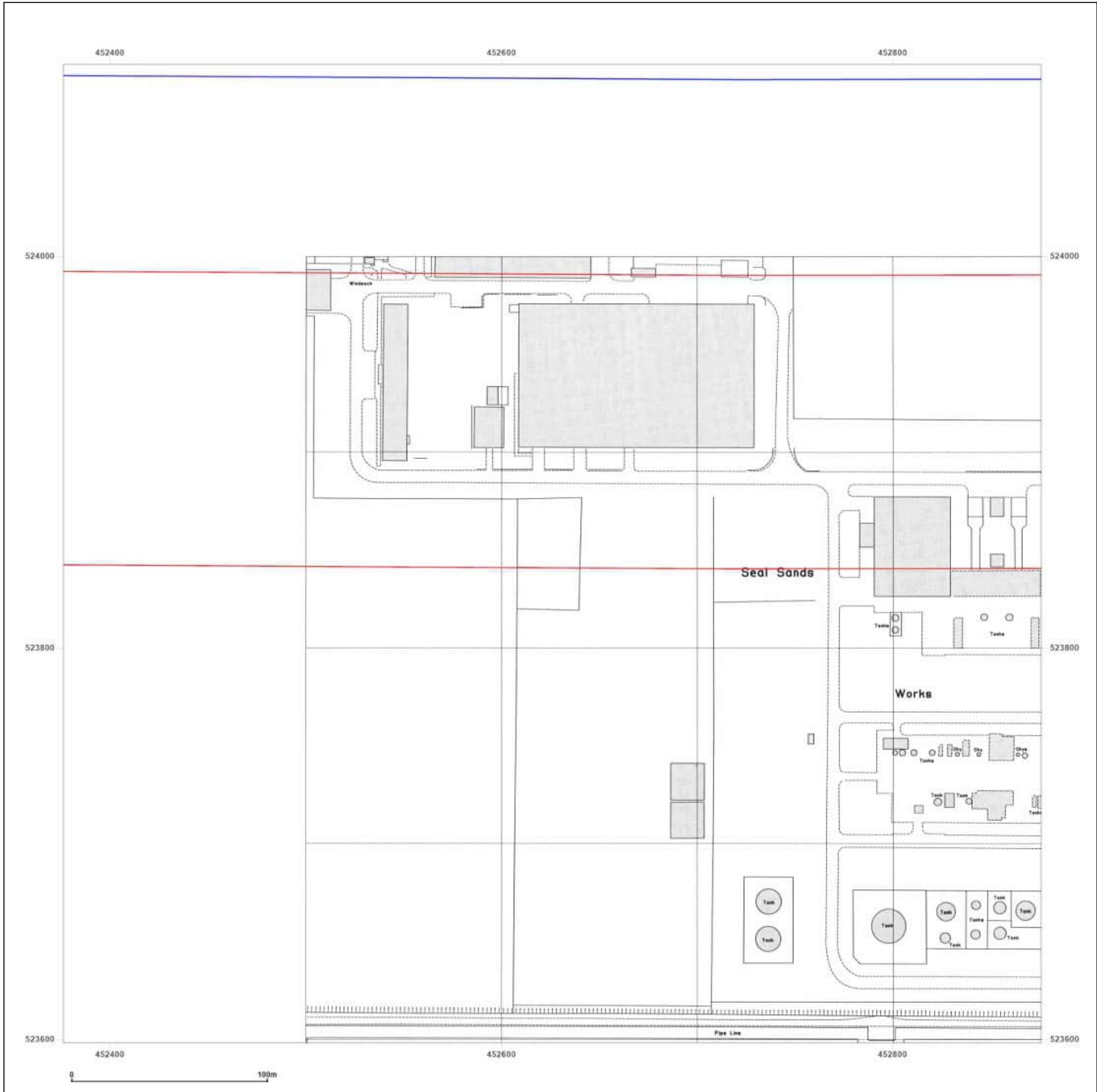
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**Map date:** 1984

**Scale:** 1:1,250

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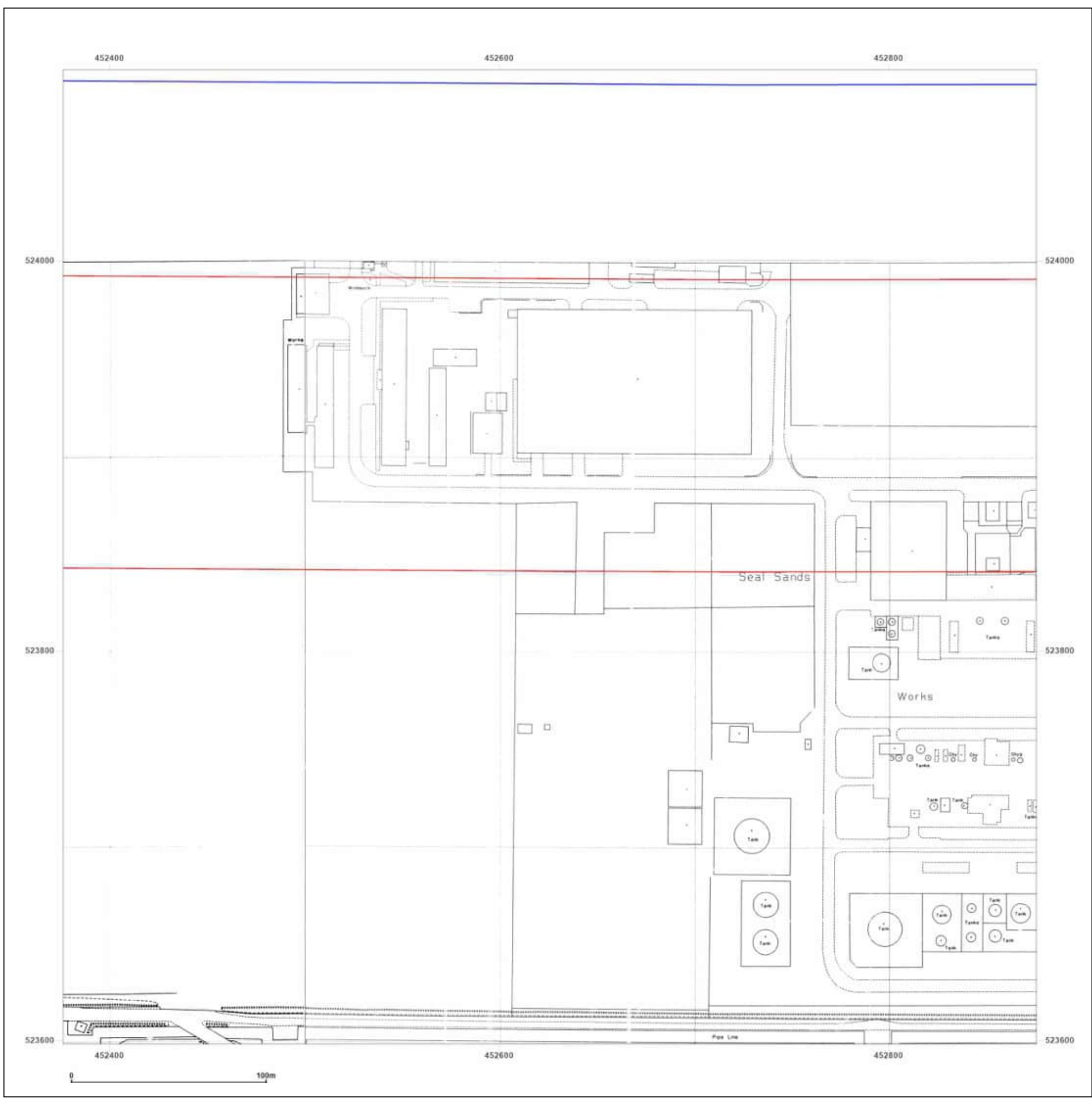
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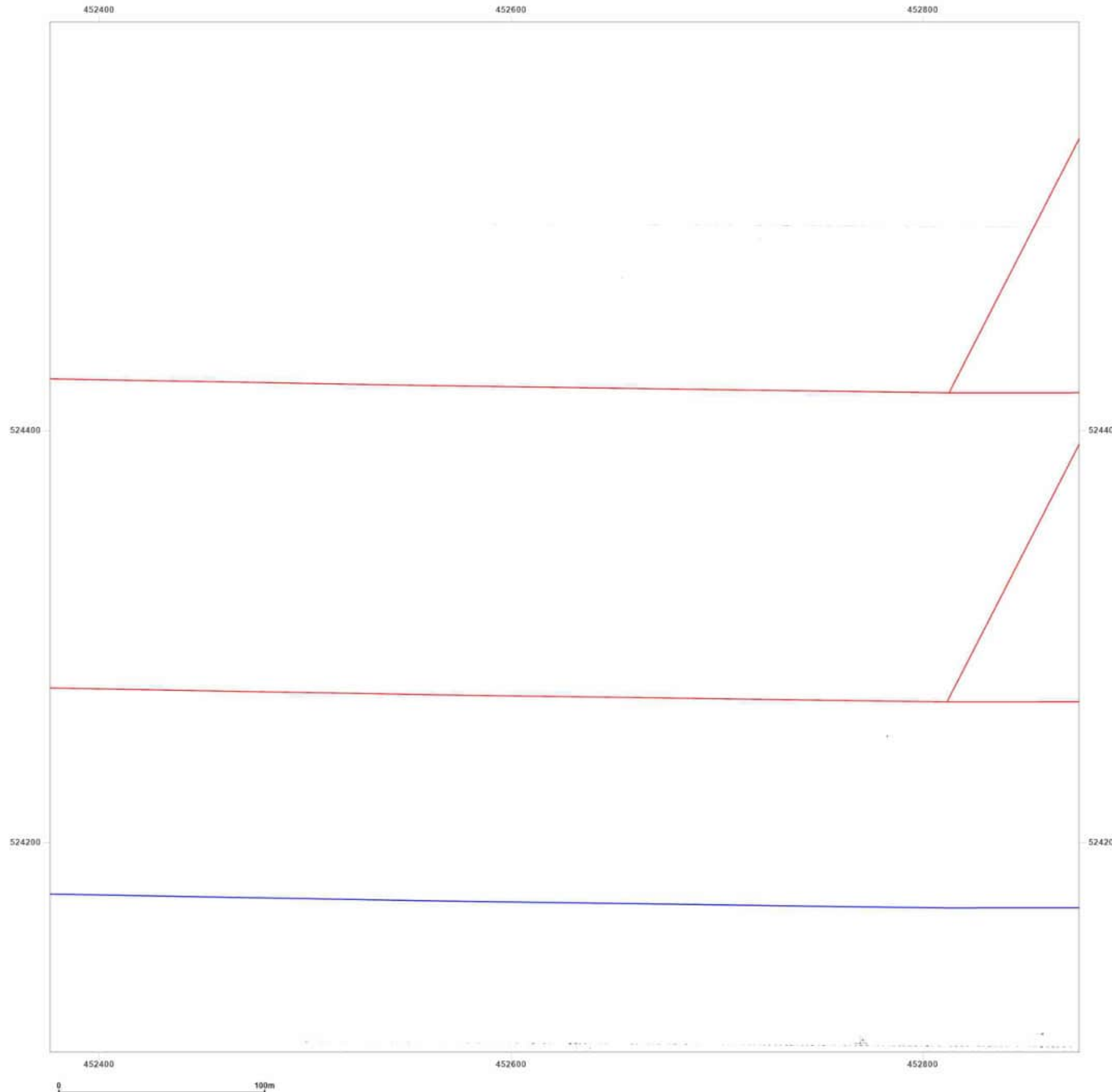
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**Map date:** 1976

**Scale:** 1:1,250

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**Map Name:** National Grid

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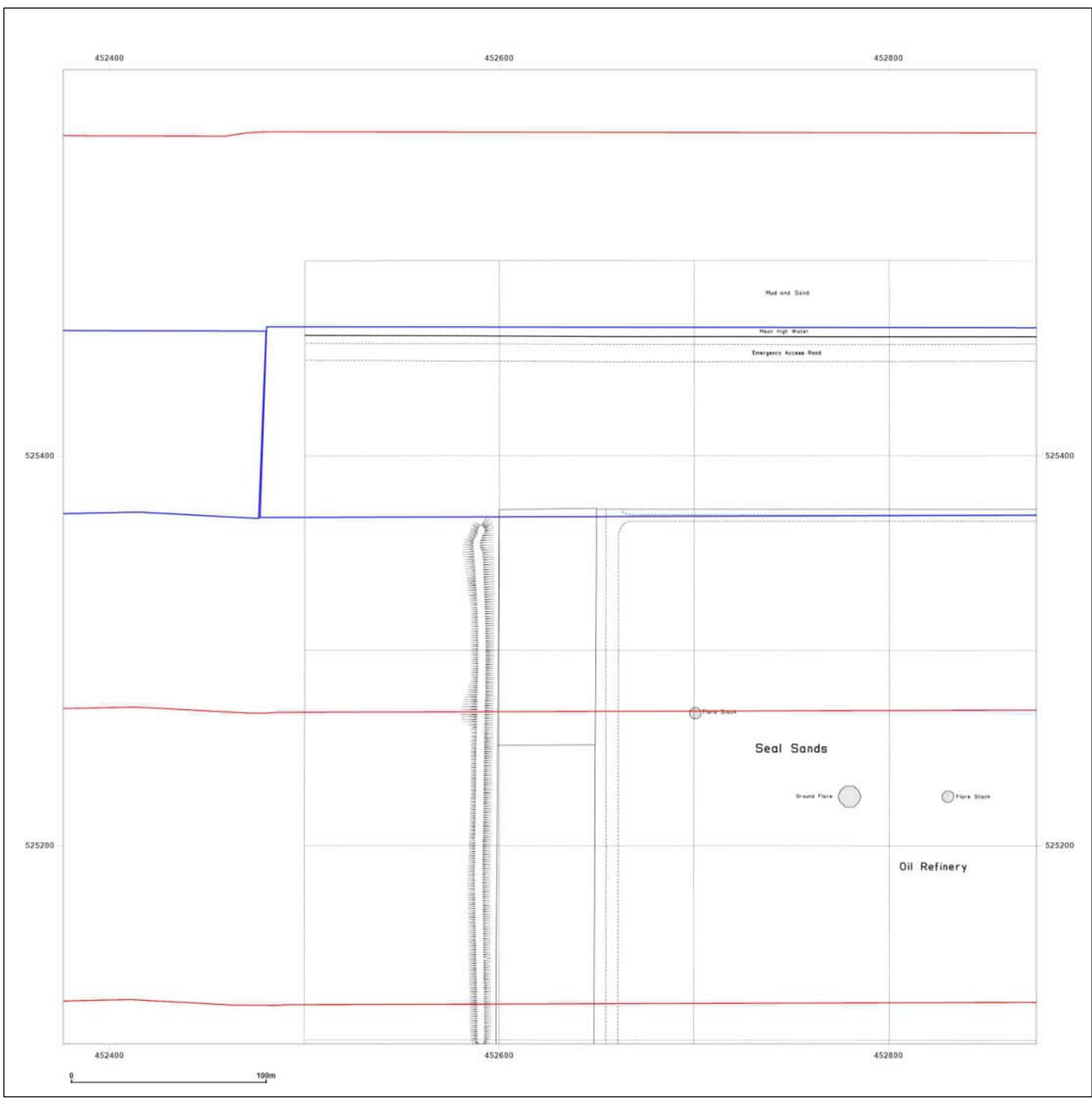


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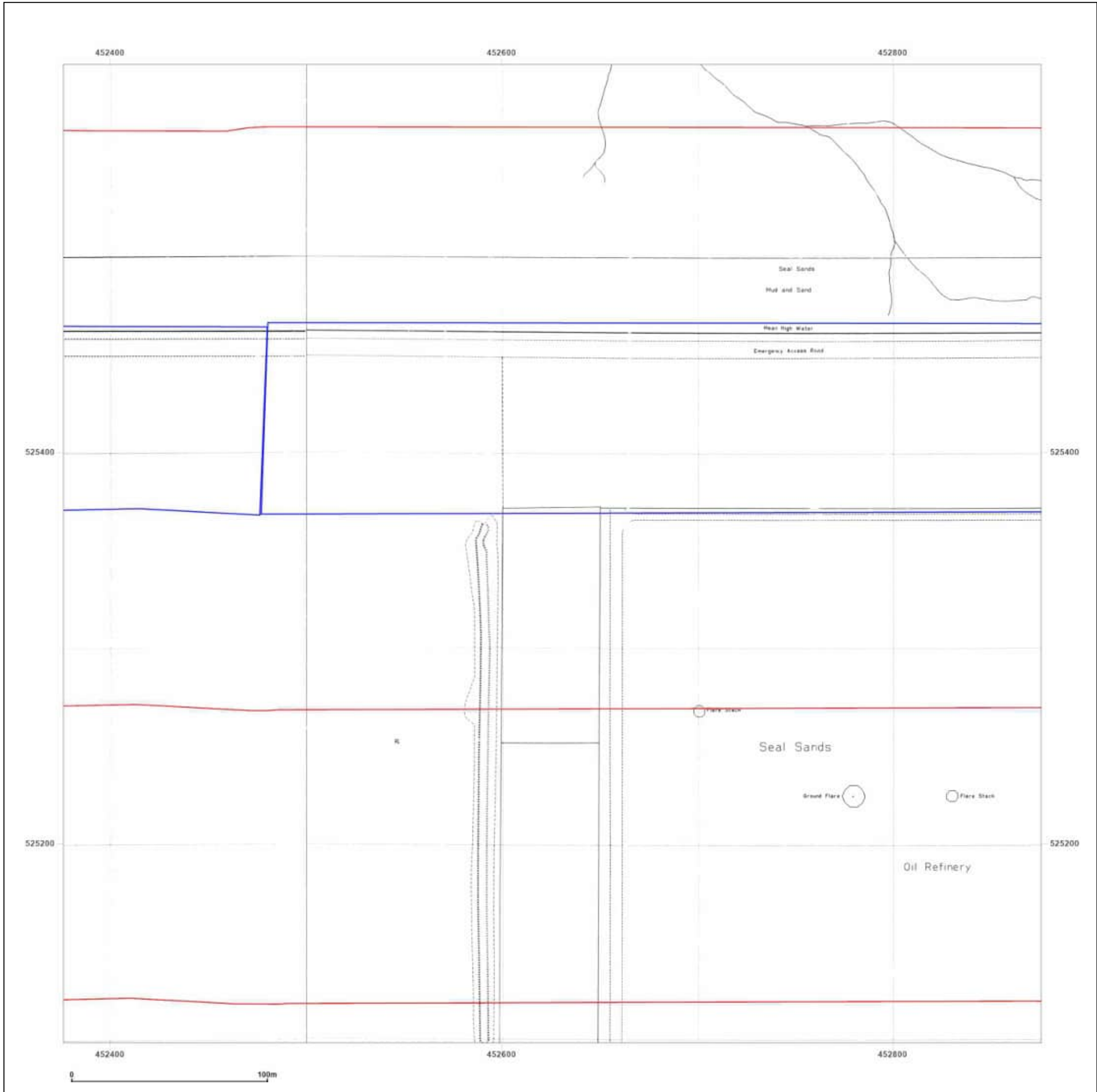
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**Map Name:** National Grid

**Map date:** 1974-1976

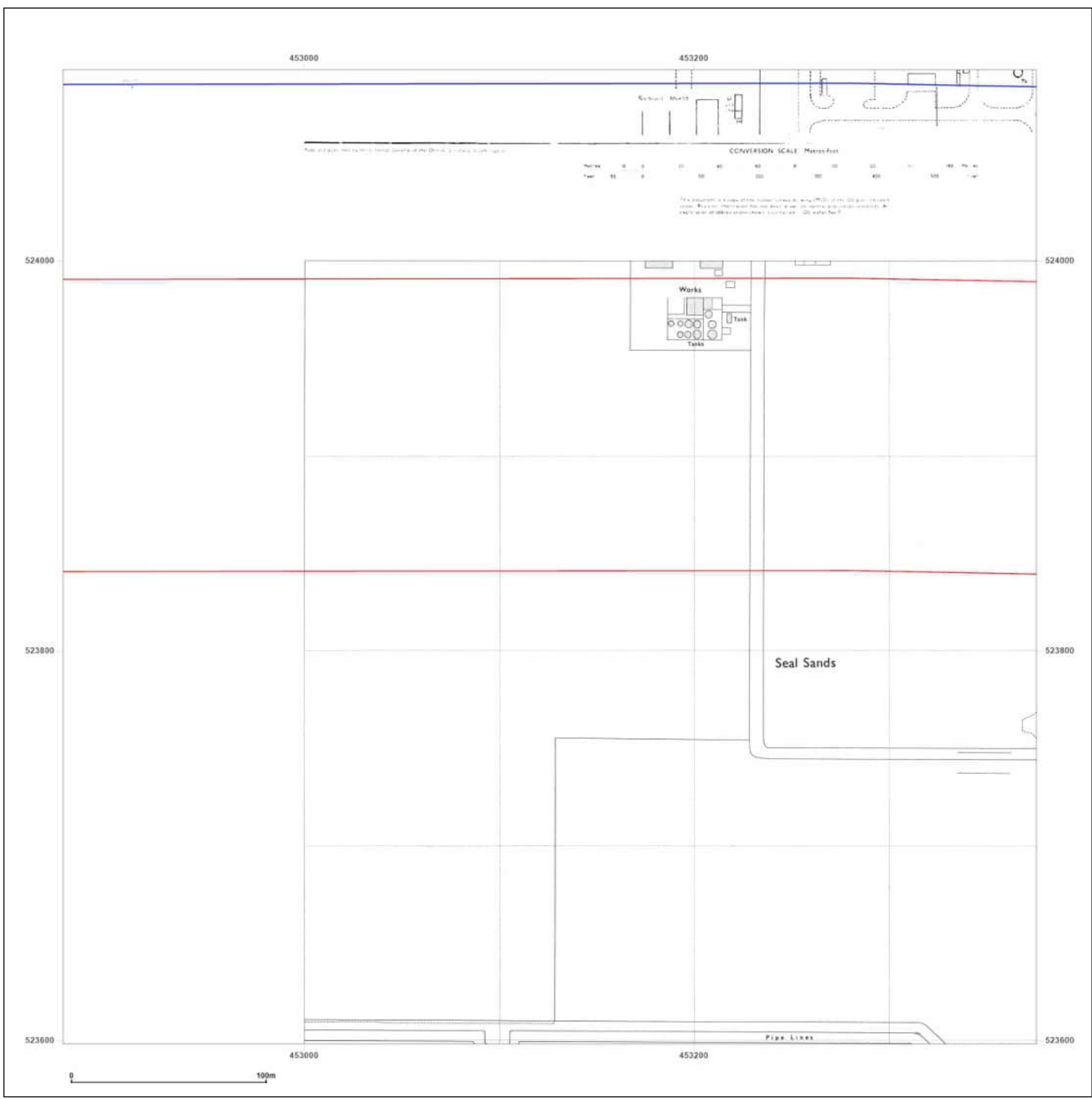
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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_1250\_4\_1  
**Grid Ref:** 453126, 523848

**Map Name:** National Grid

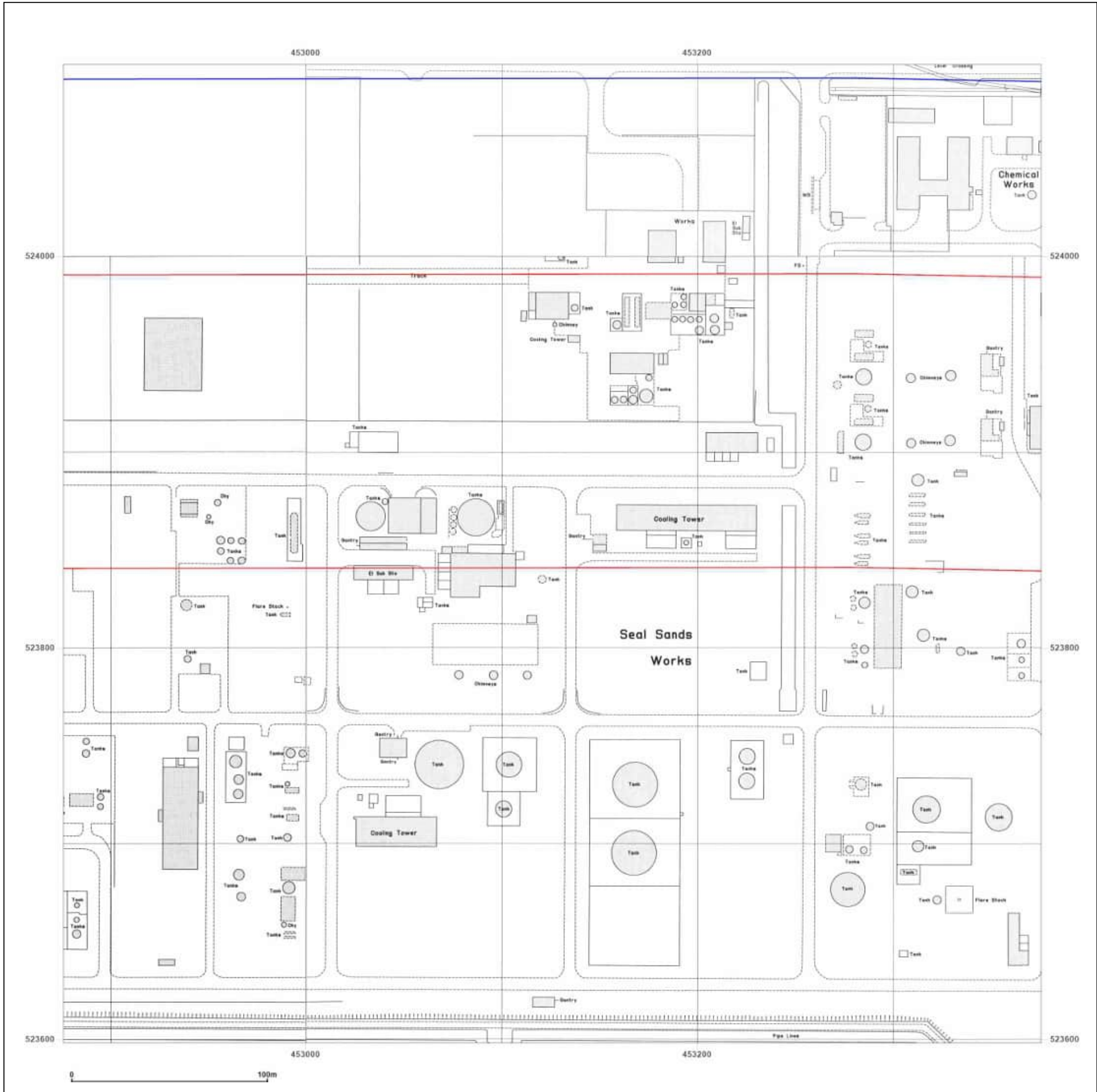
**Map date:** 1979-1984

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Grid Ref:** 453126, 523848

**Map Name:** National Grid

**Map date:** 1989-1993

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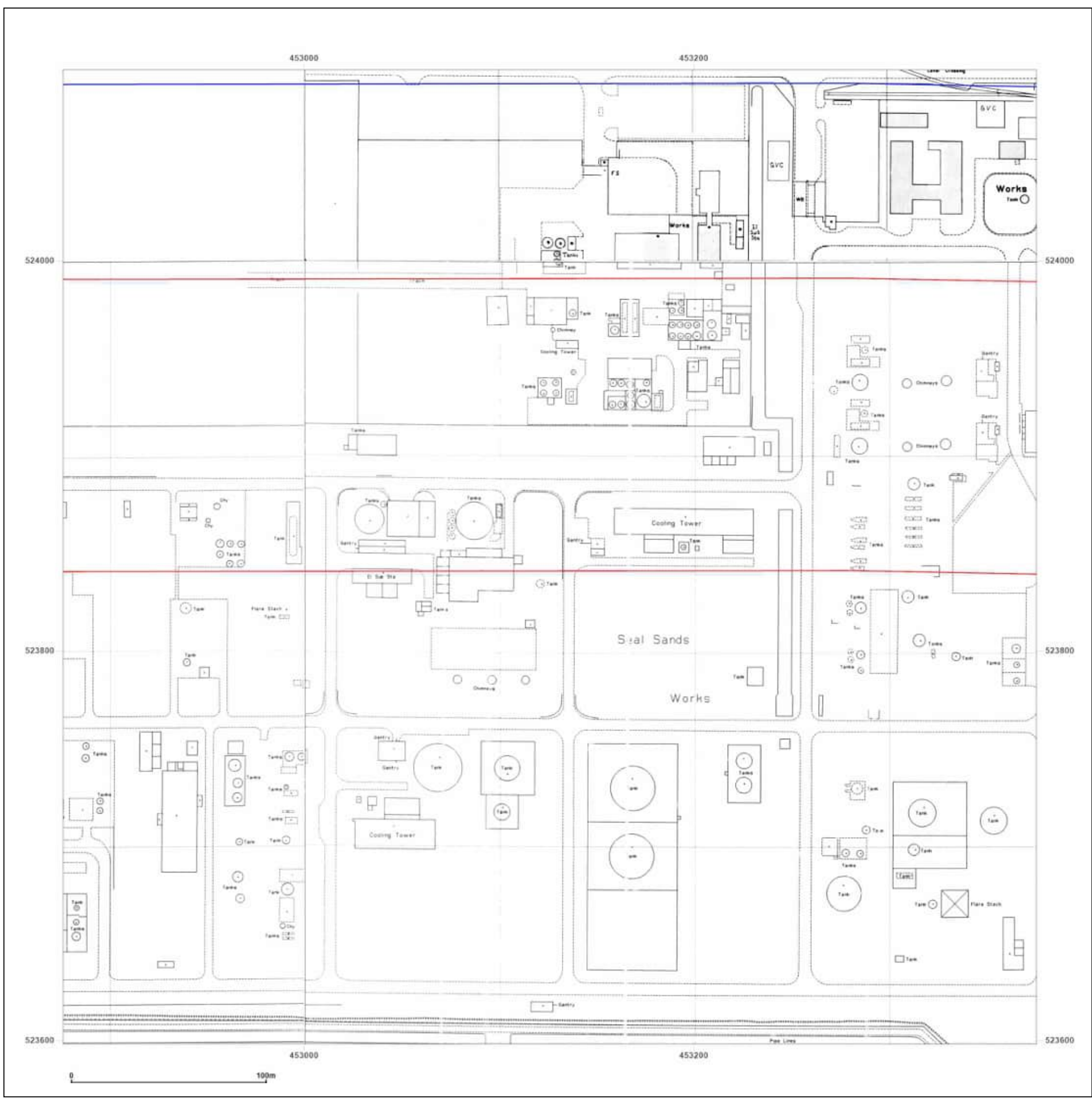


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**Site Details:**

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**Grid Ref:** 453126, 524348

**Map Name:** National Grid

**Map date:** 1976

**Scale:** 1:1,250

**Printed at:** 1:2,000



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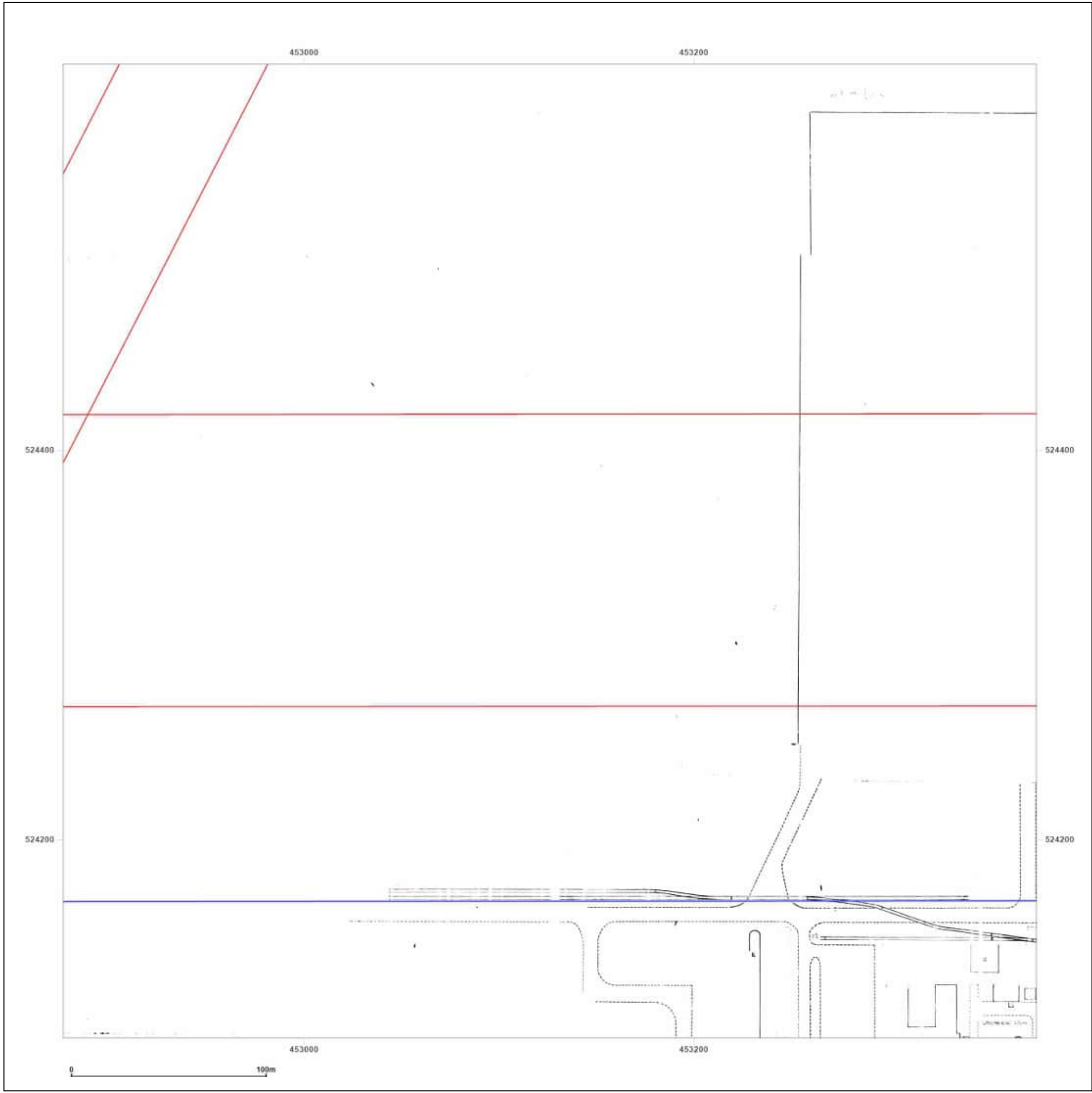


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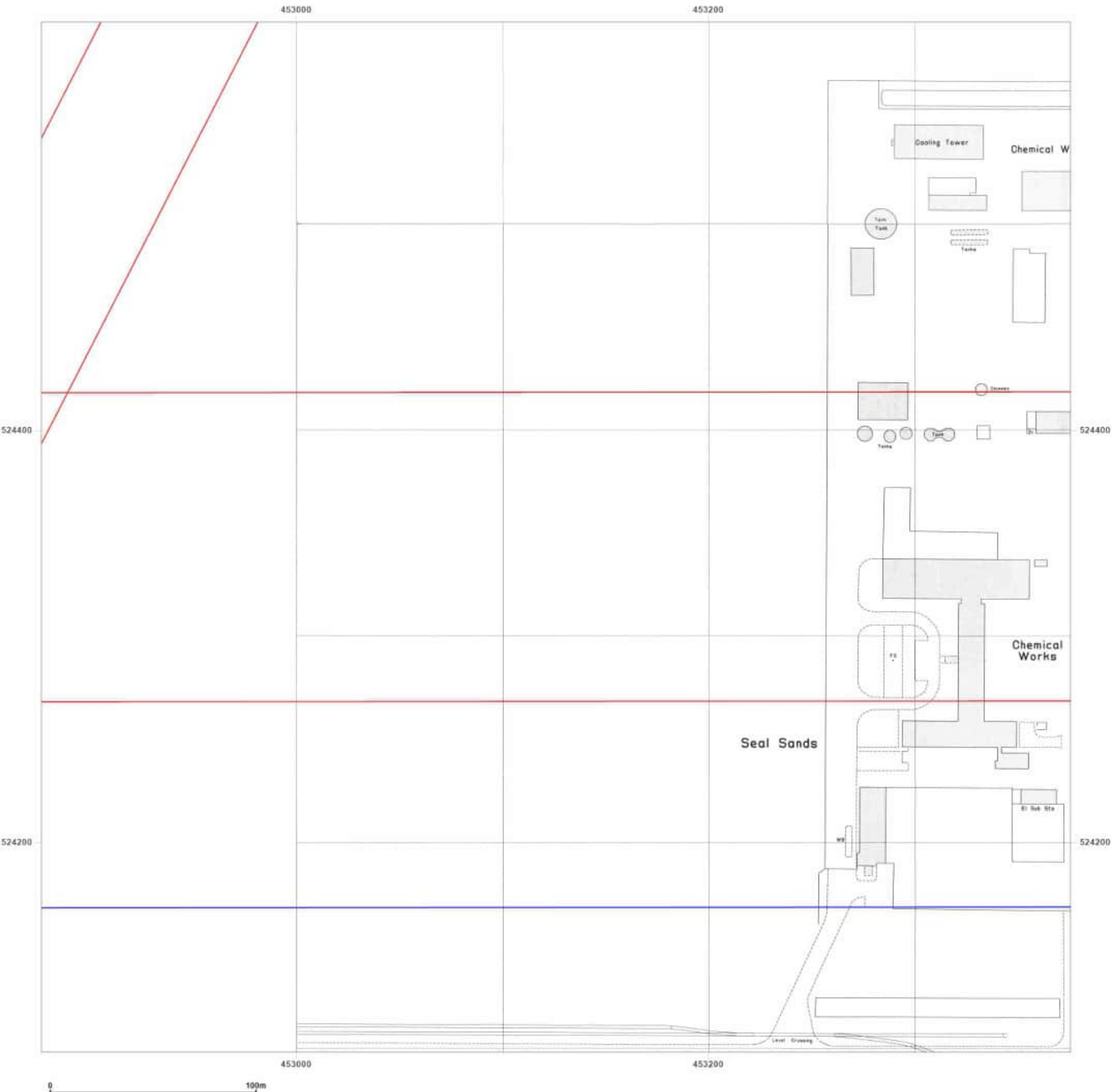
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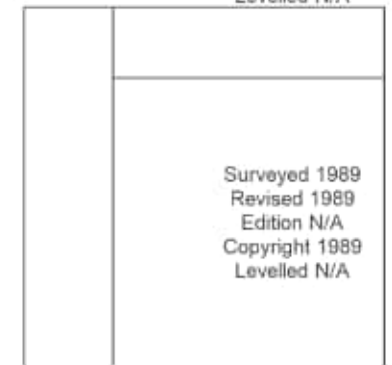
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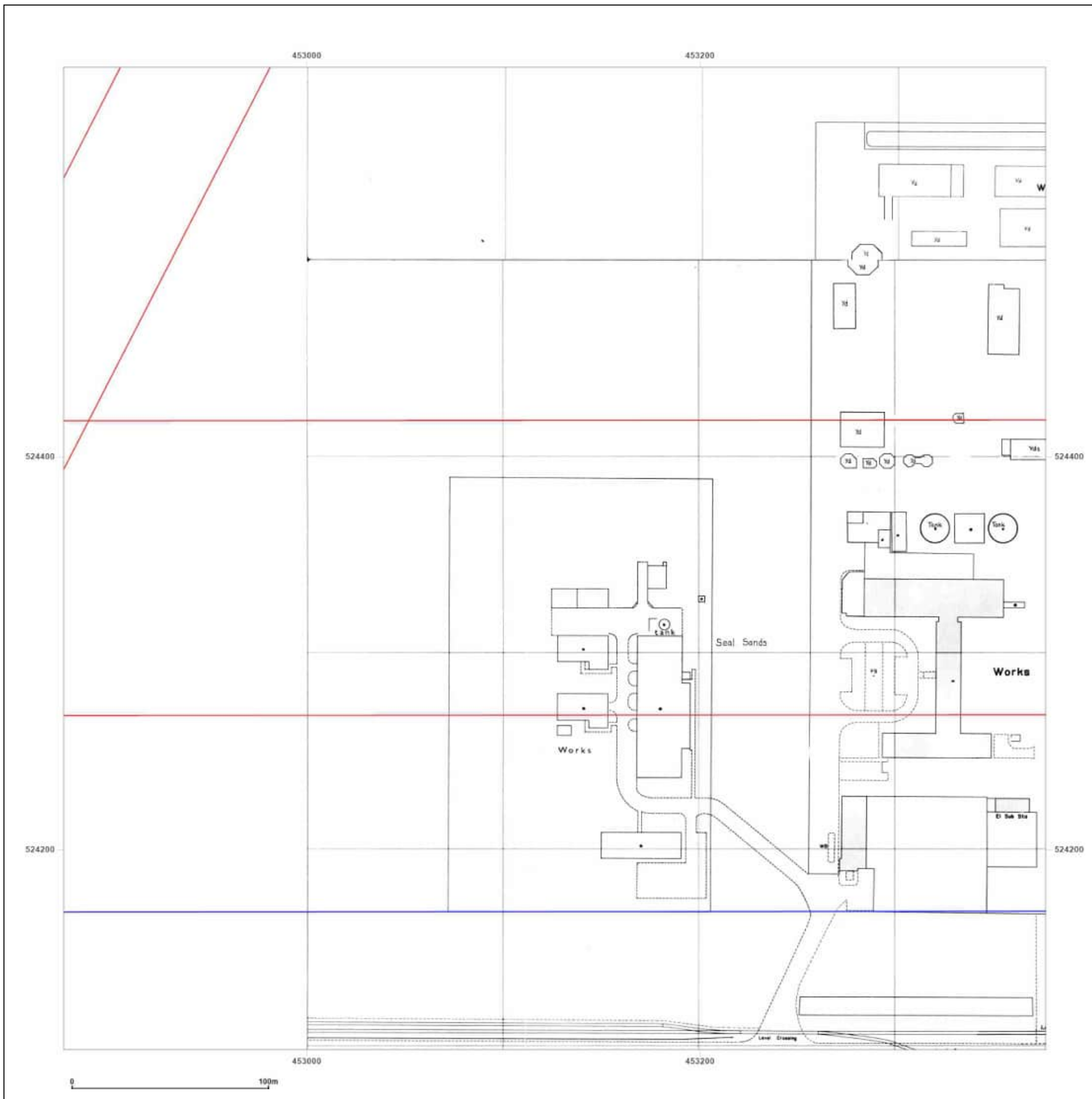


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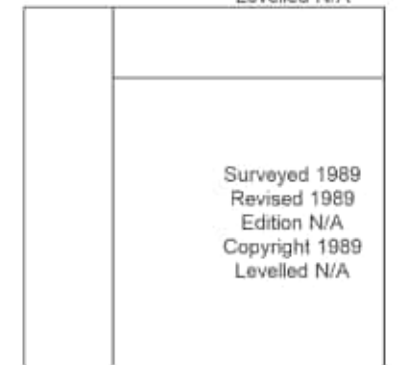
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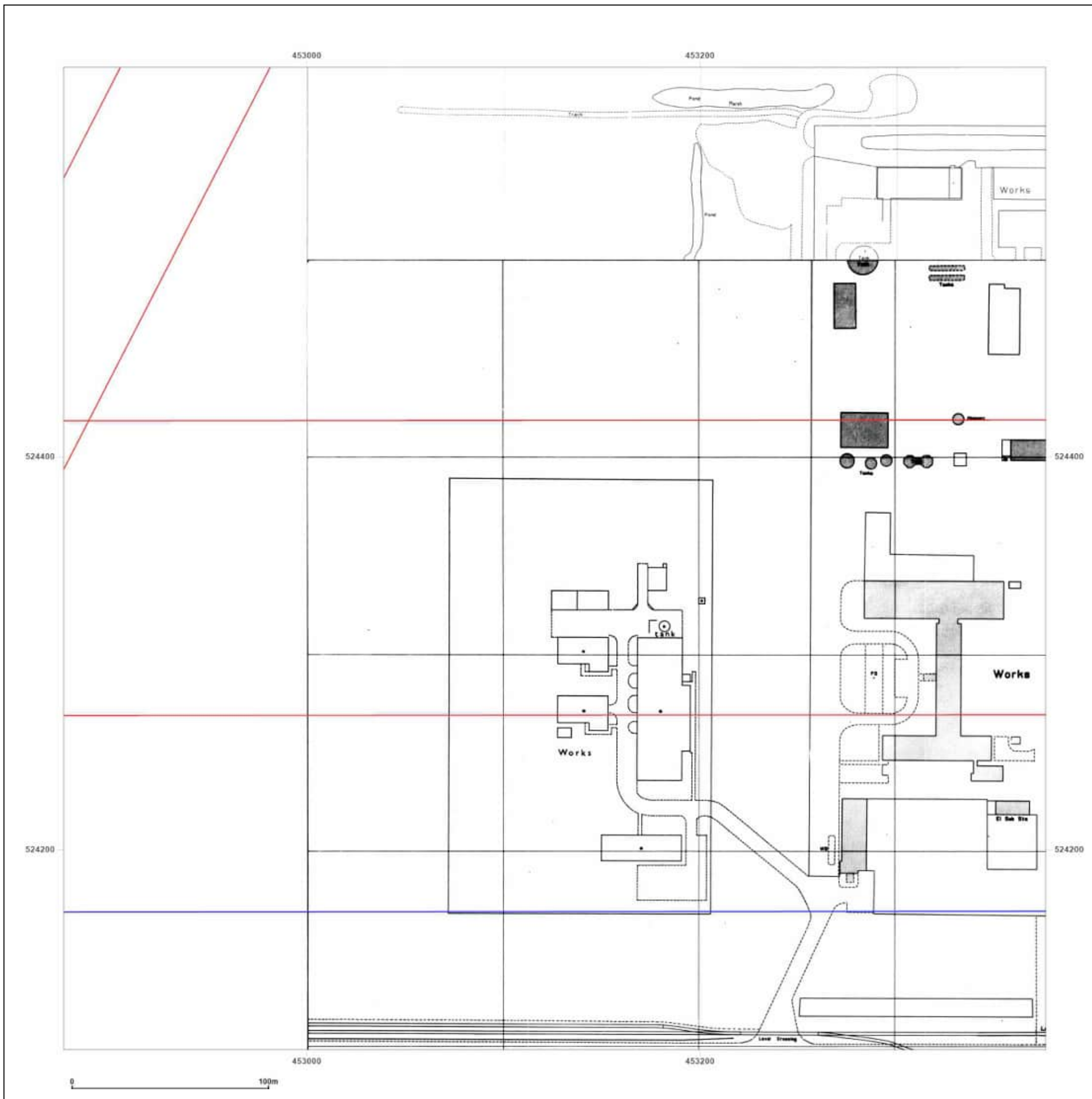


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**Map date:** 1993

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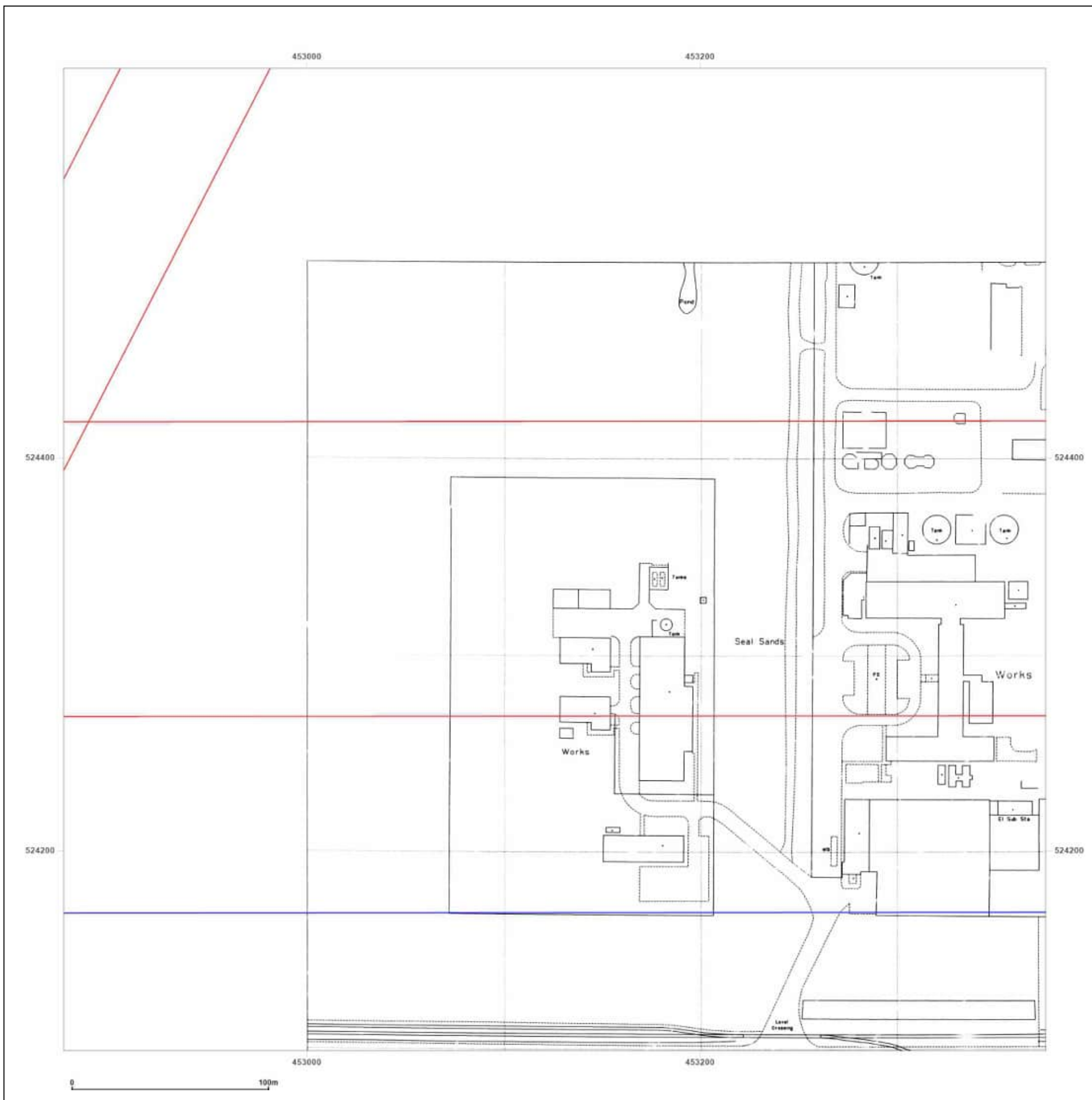


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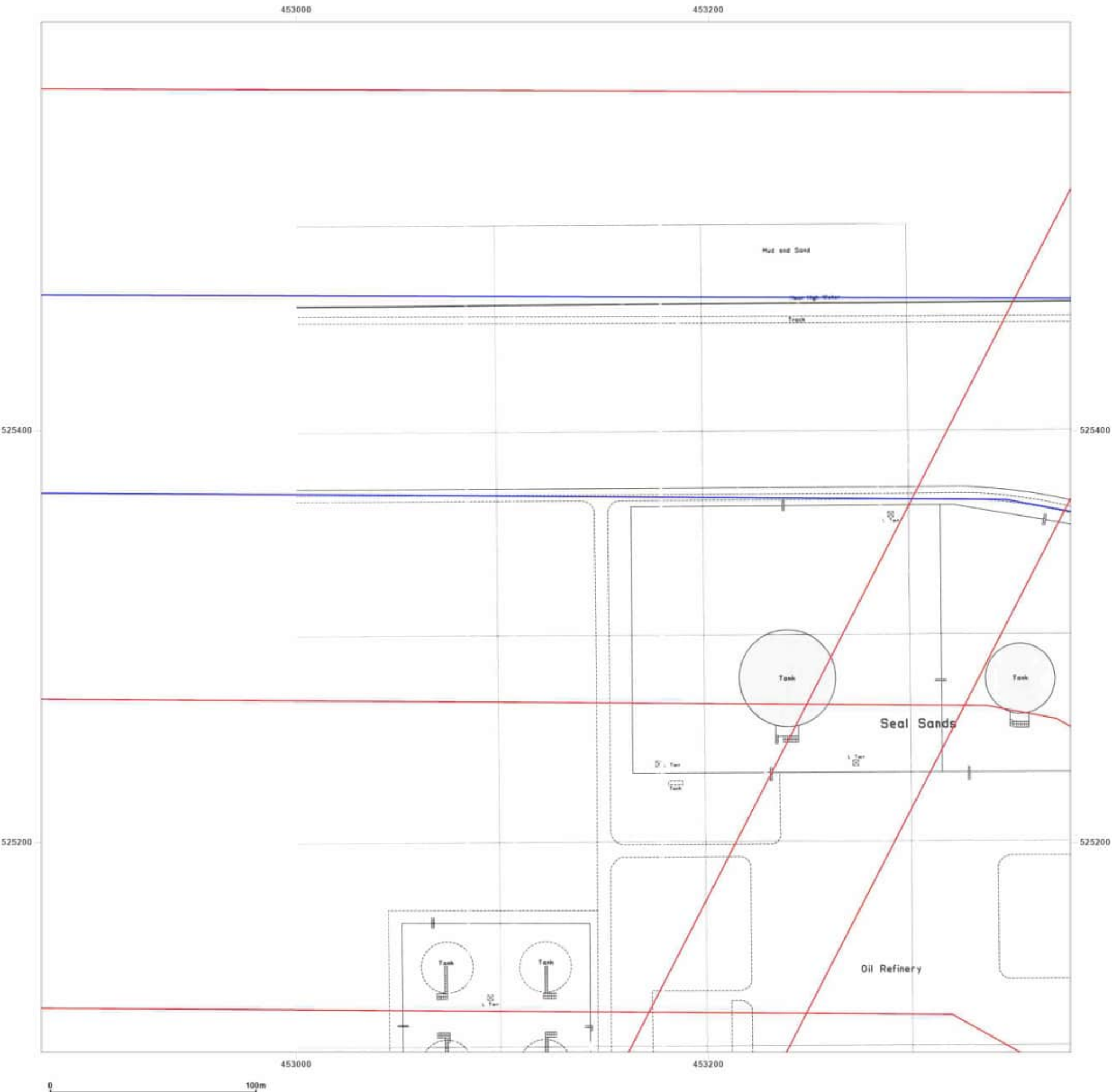
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**Map Name:** National Grid

**Map date:** 1980

**Scale:** 1:1,250

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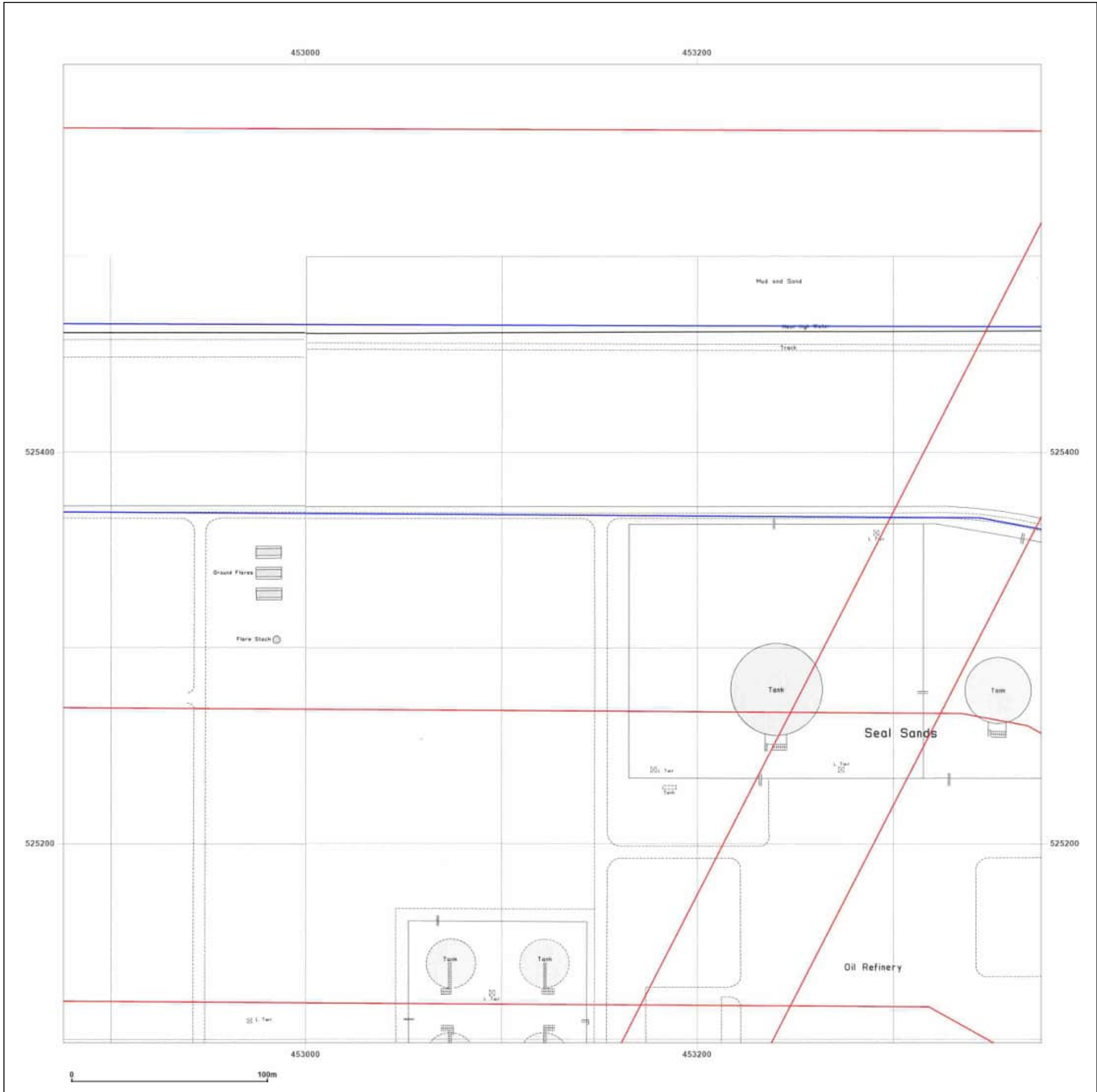
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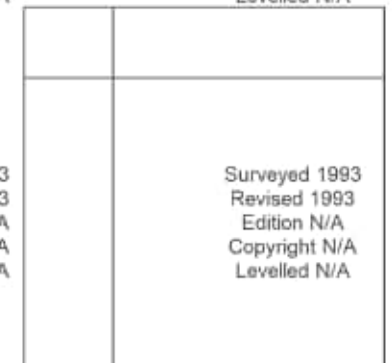
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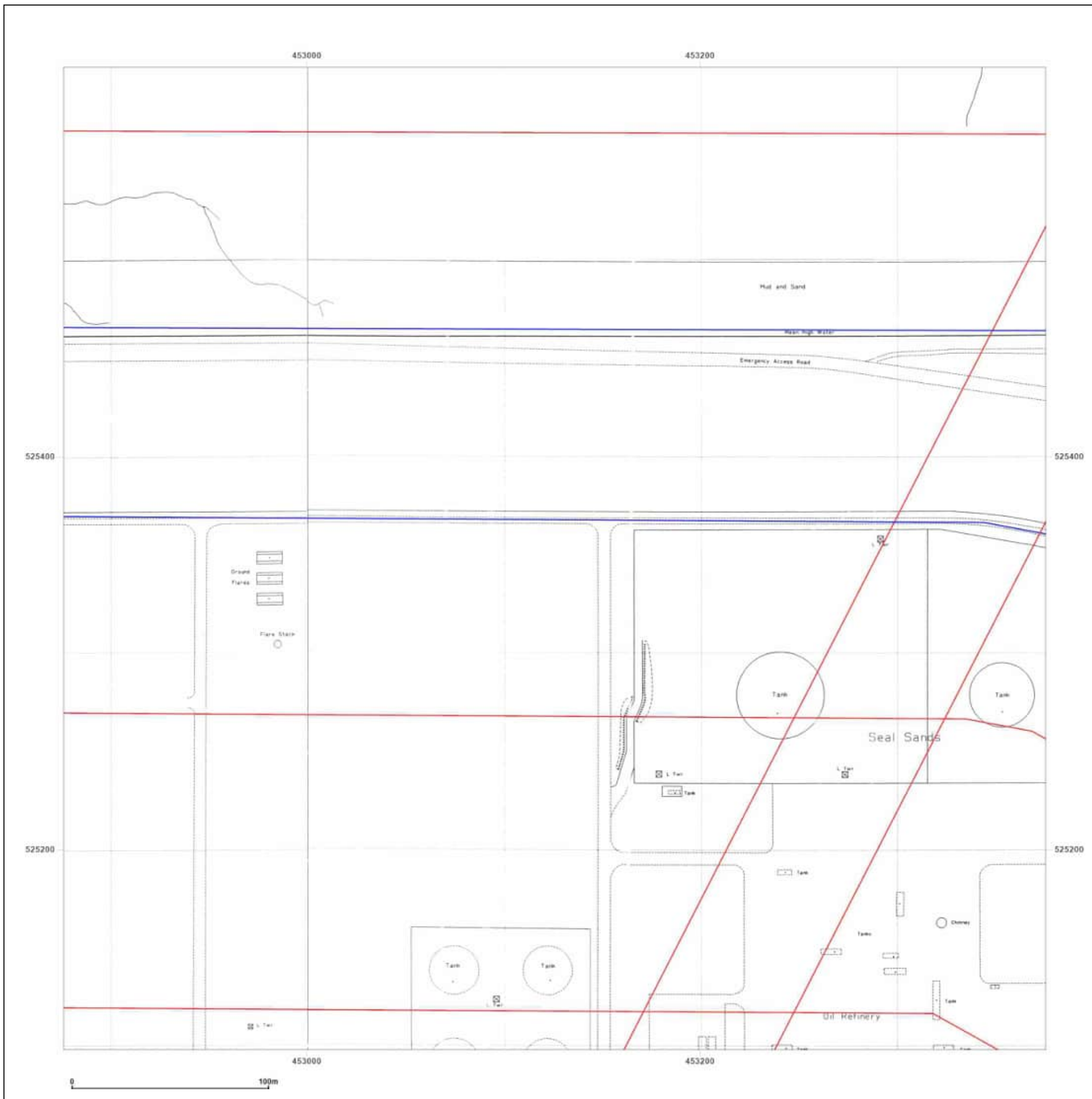


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 453626, 523848

**Map Name:** National Grid

**Map date:** 1974-1976

**Scale:** 1:1,250

**Printed at:** 1:2,000



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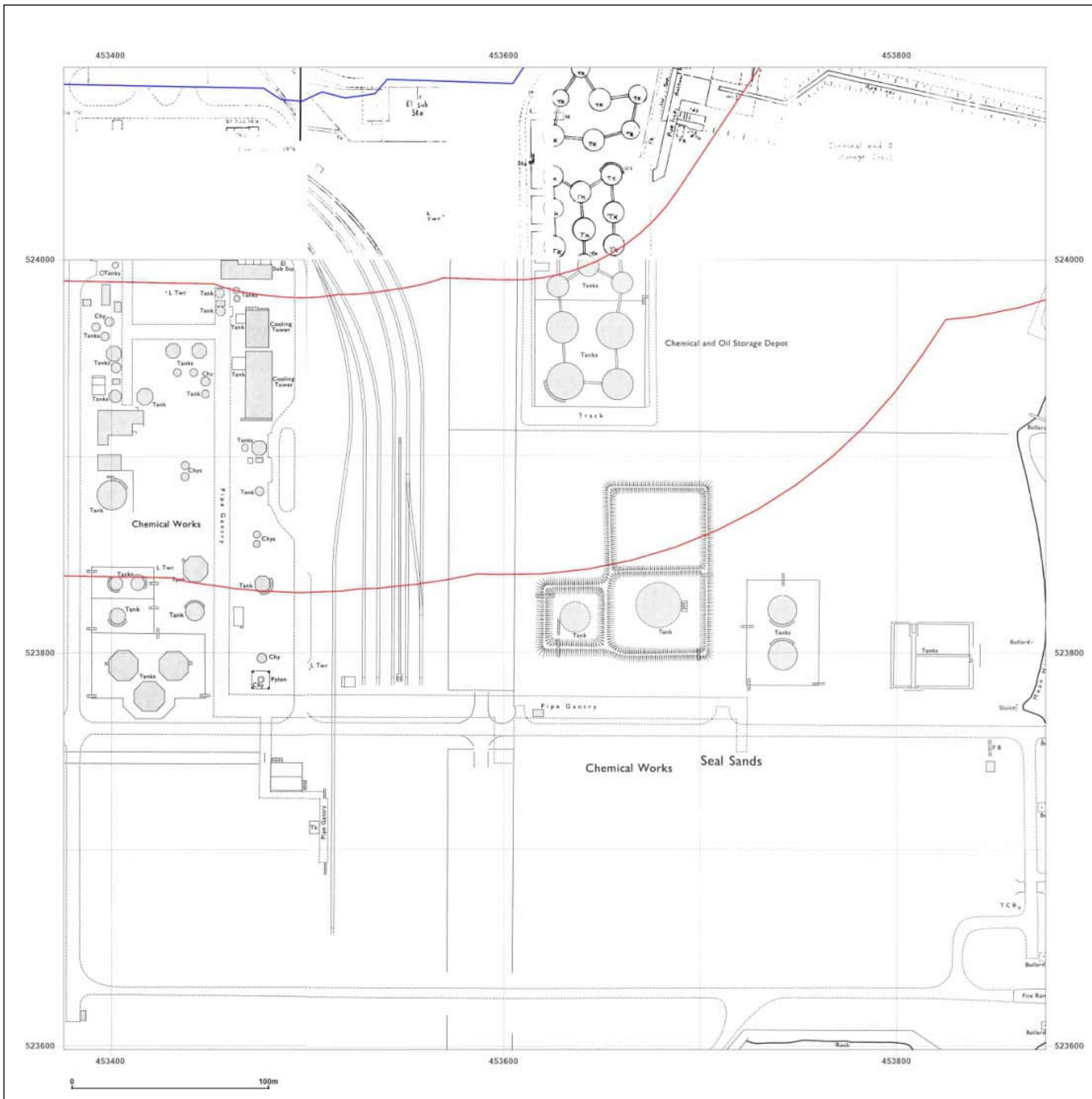


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**Map Name:** National Grid

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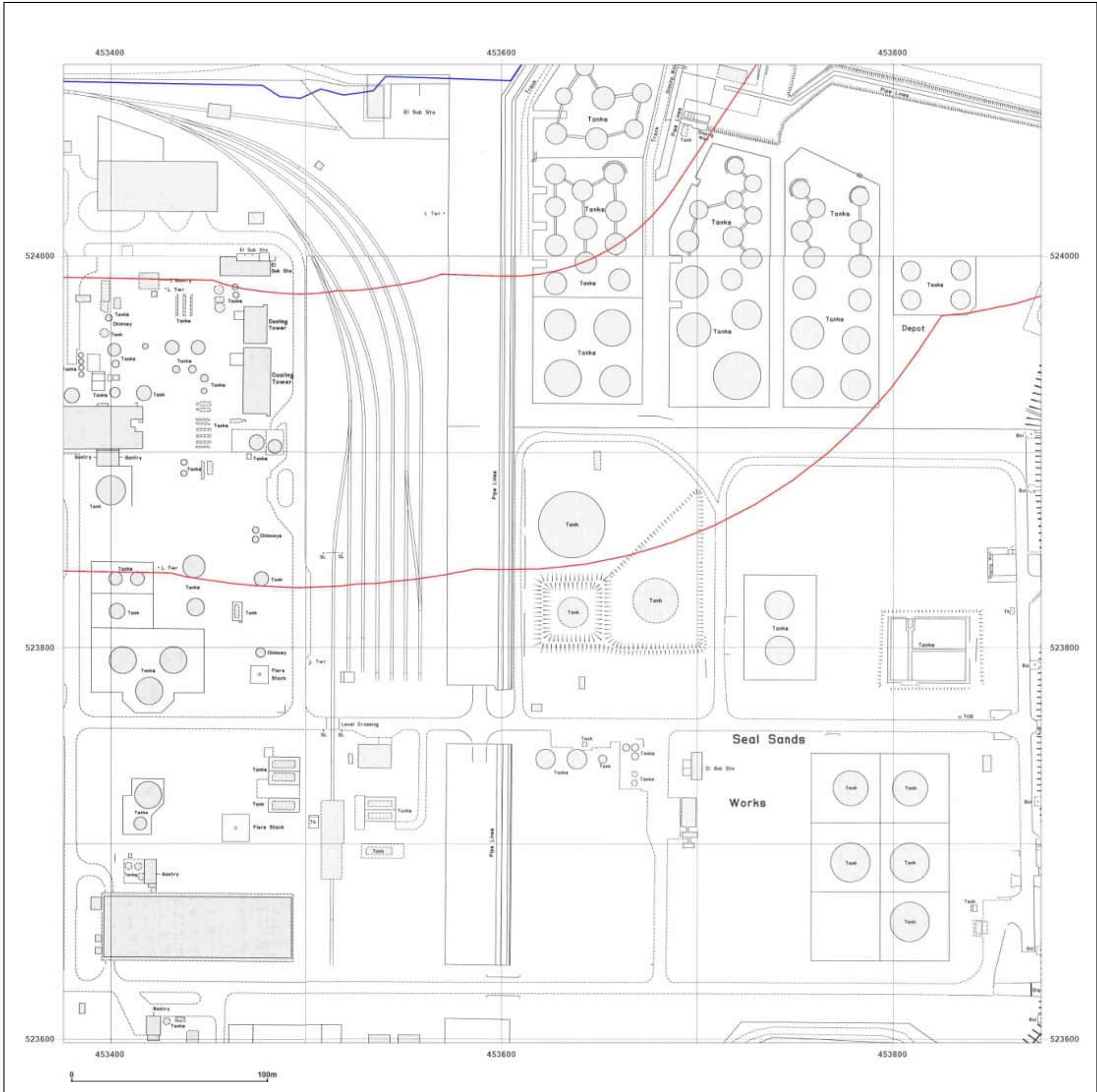


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**Site Details:**

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**Map date:** 1989-1993

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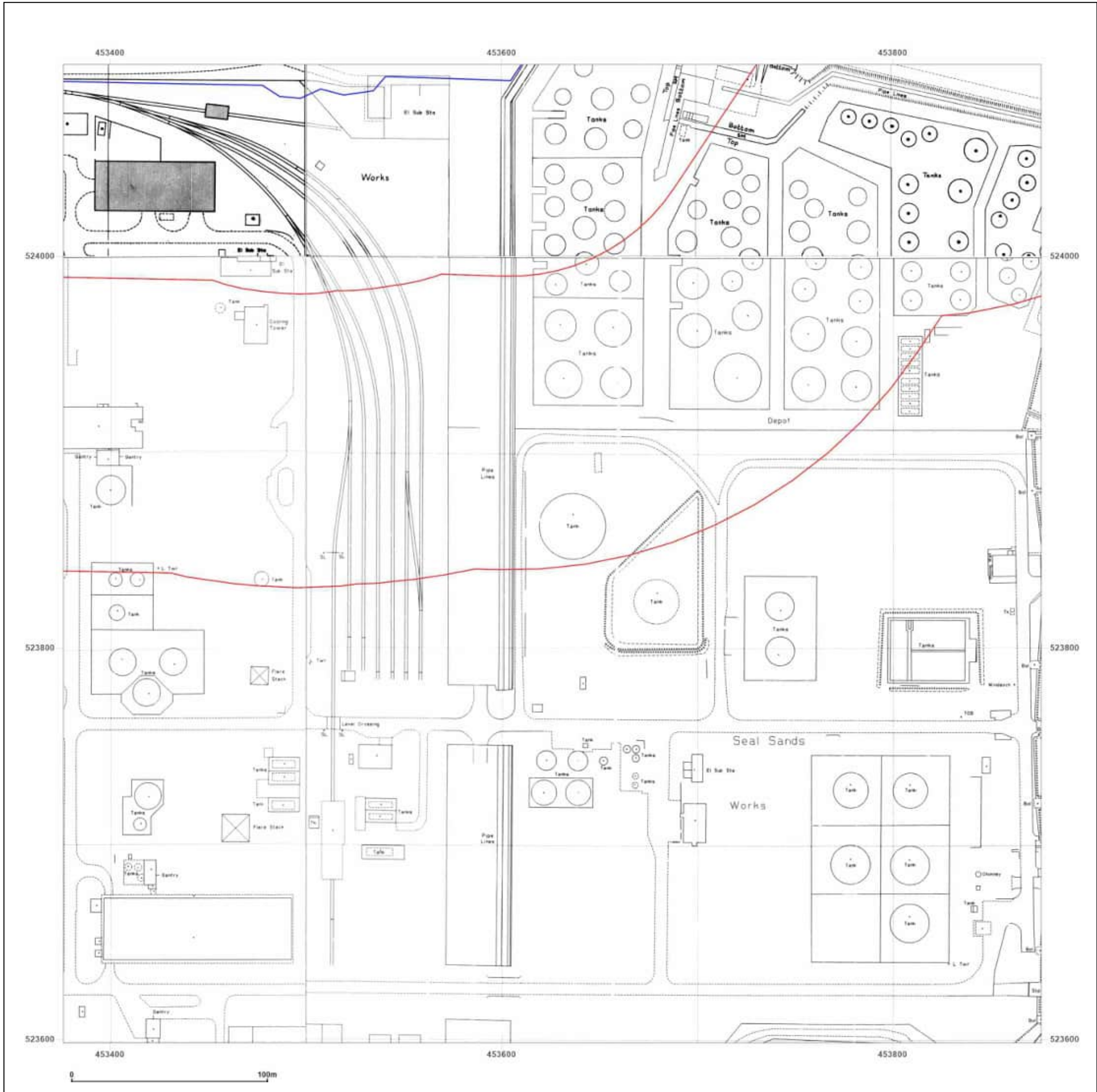


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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1976

**Scale:** 1:1,250

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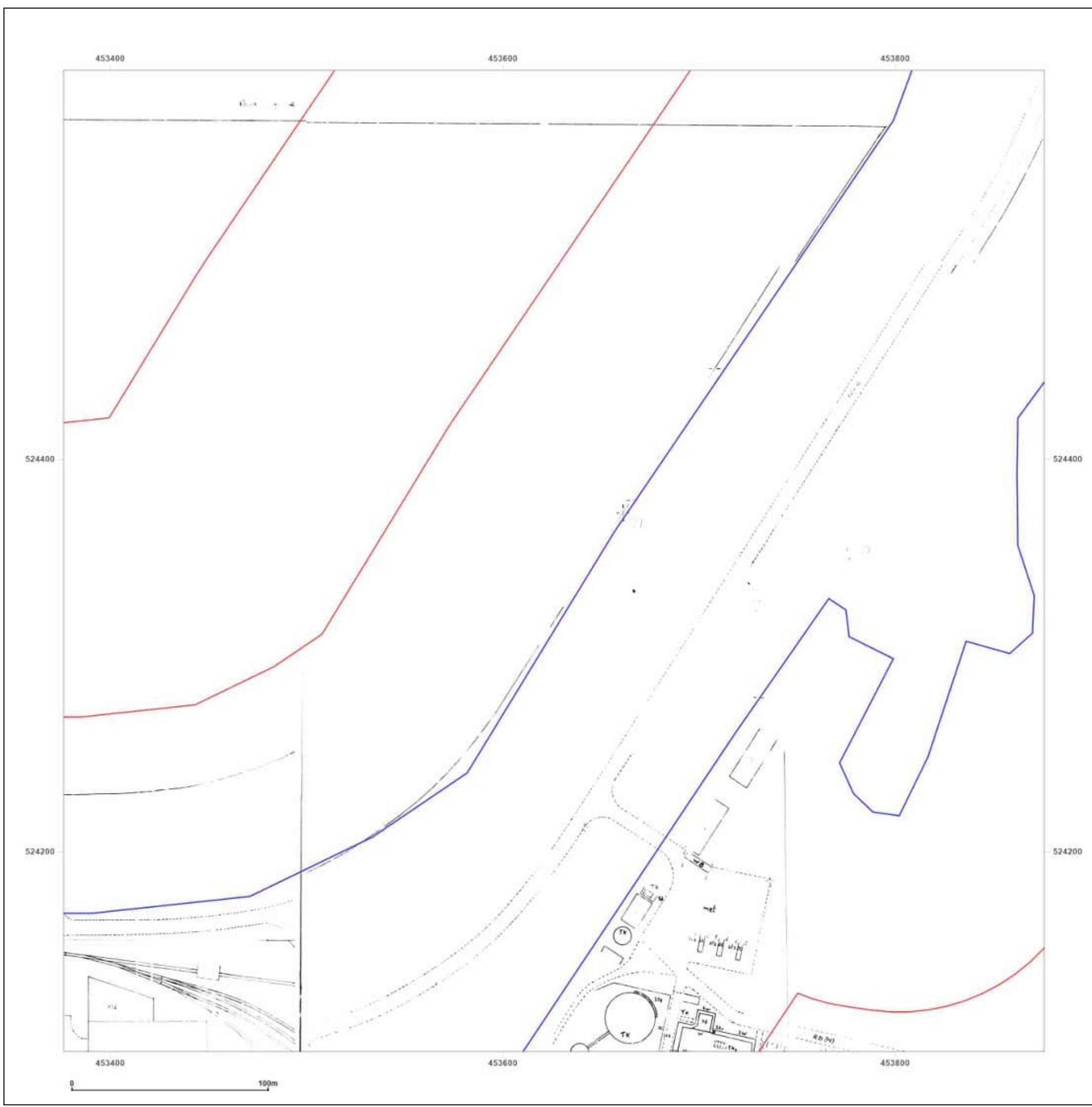


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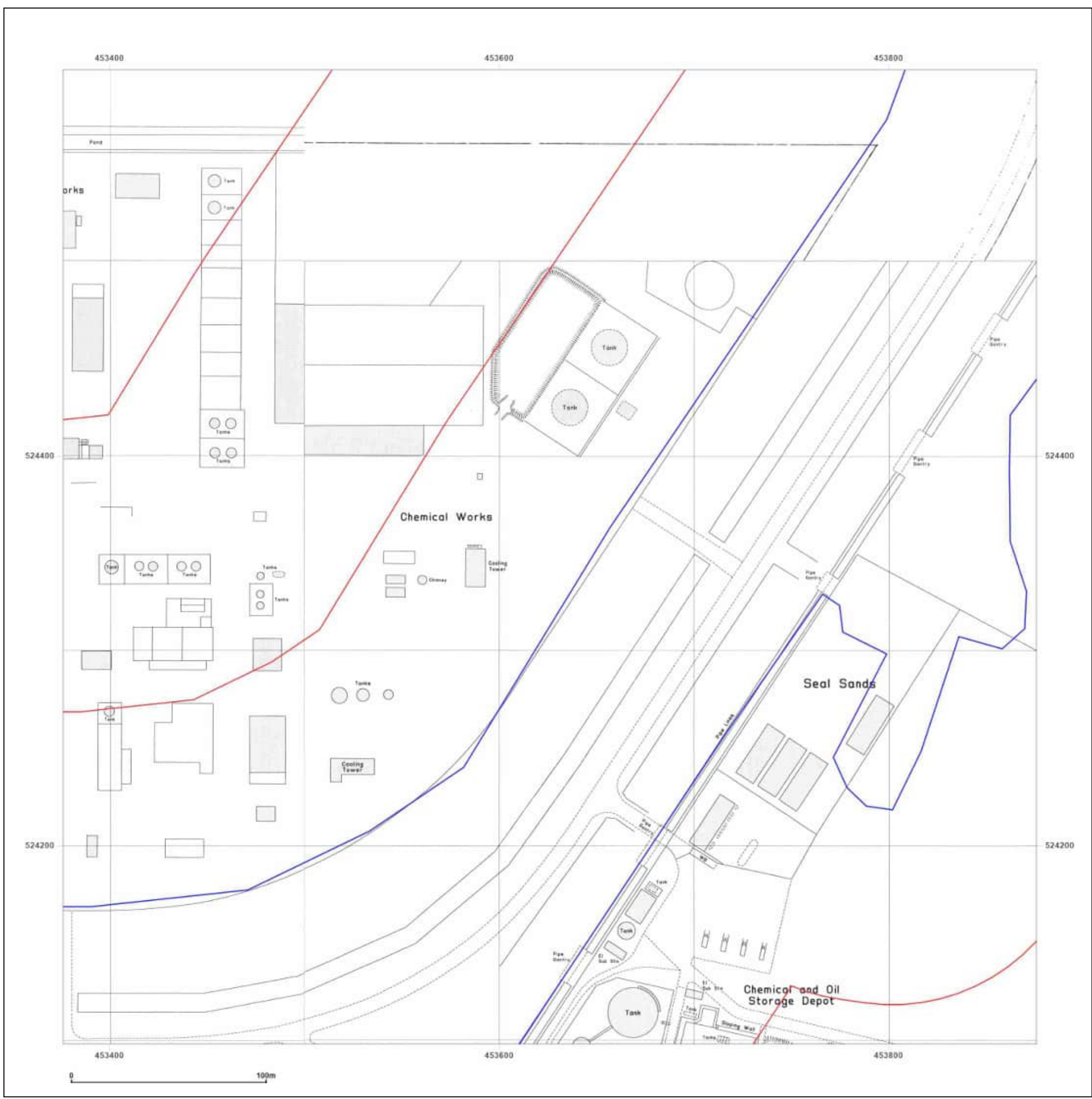


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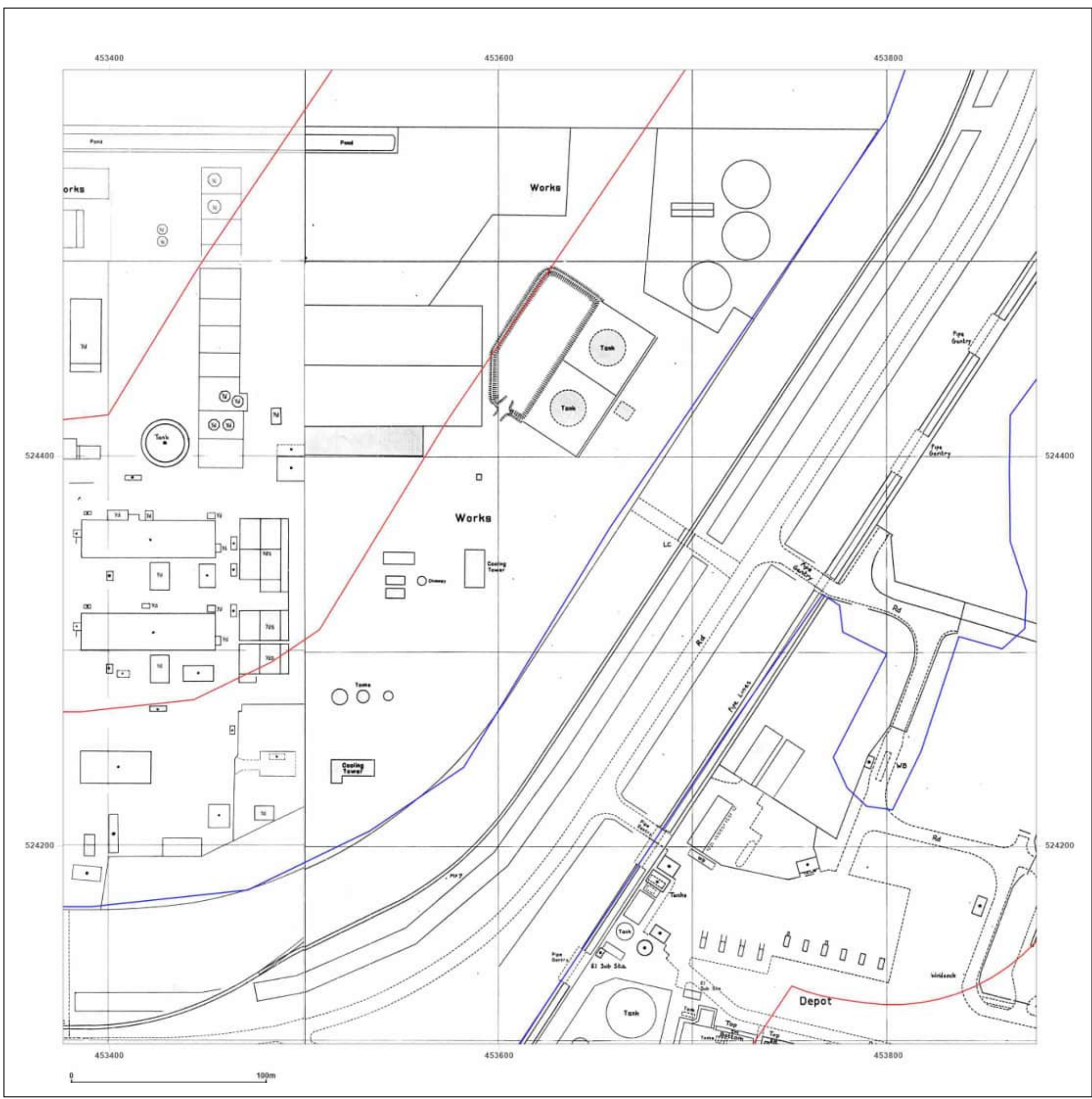


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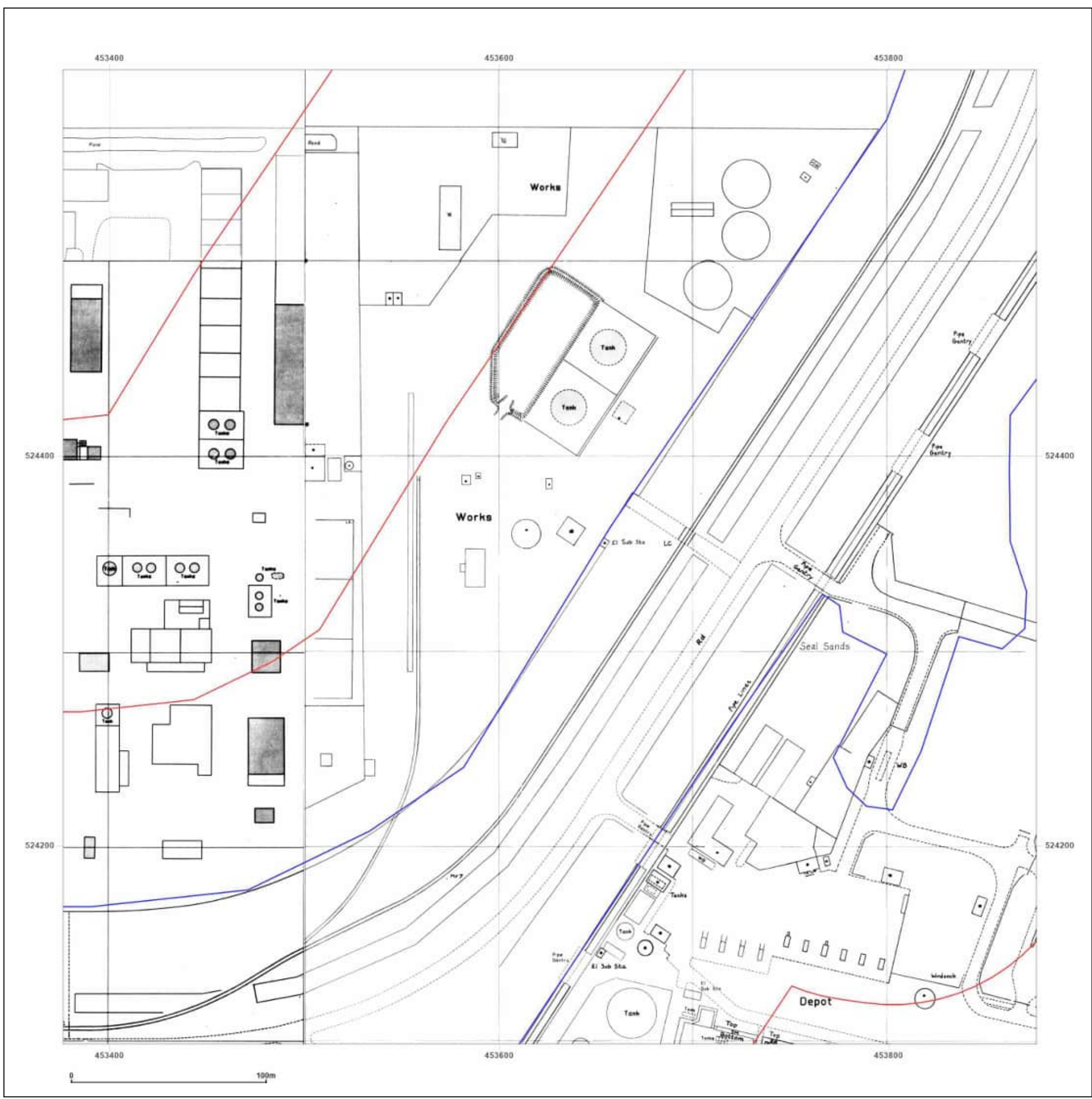


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**Grid Ref:** 453626, 524348

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**Map date:** 1991-1993

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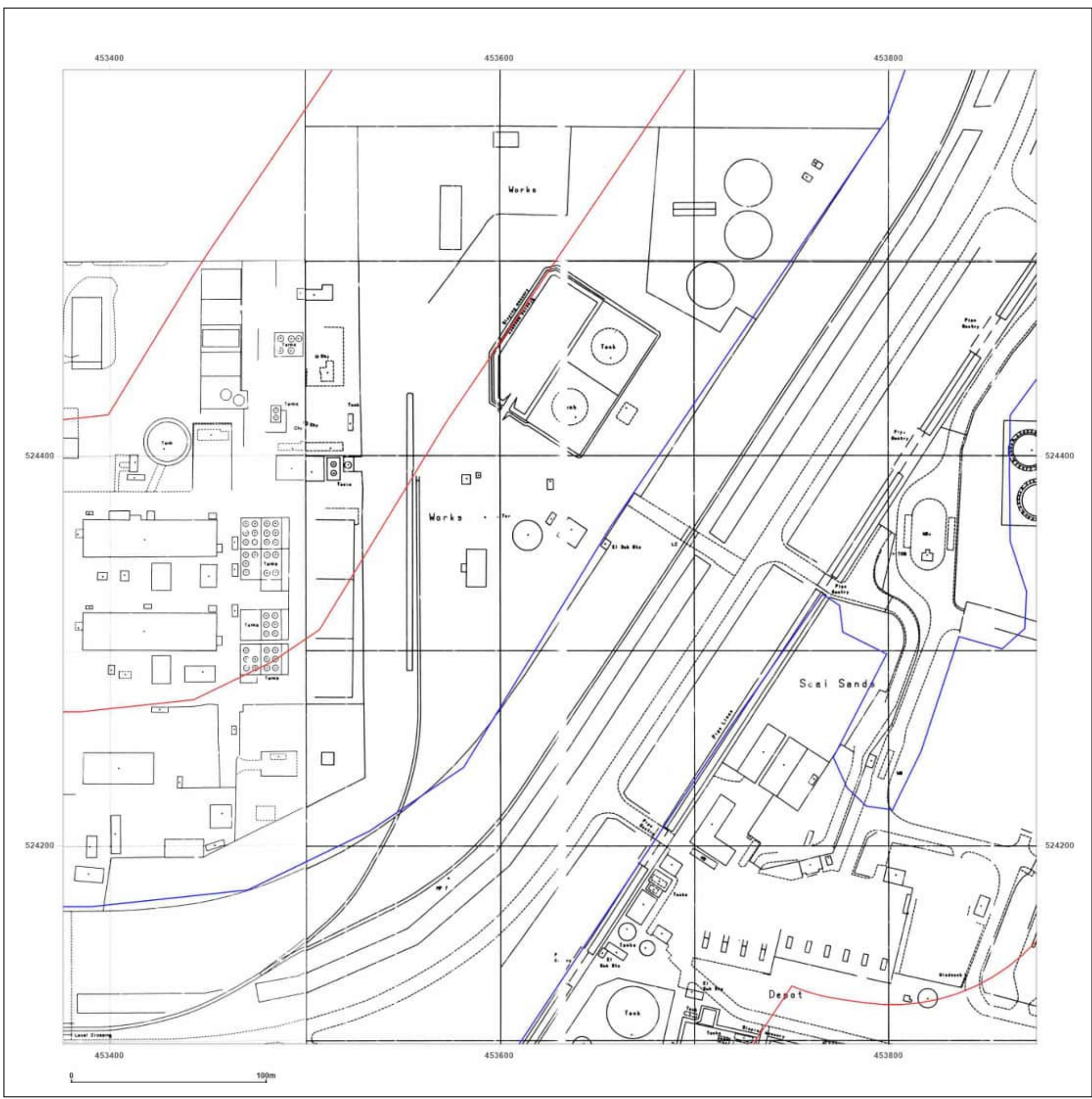


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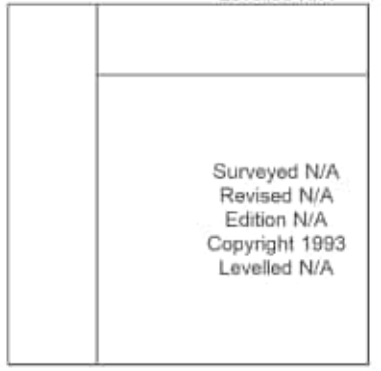
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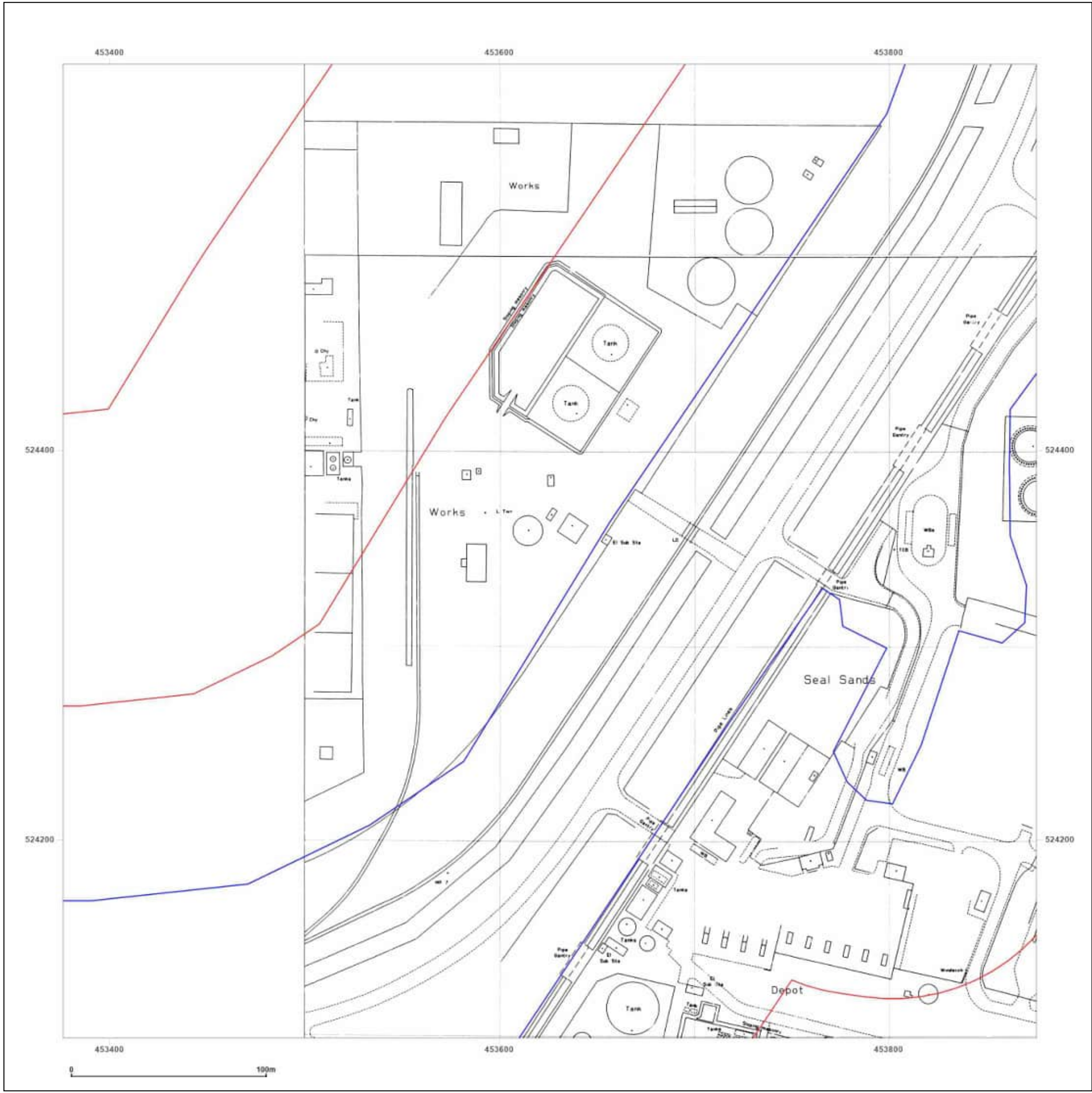


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**Site Details:**

WaveCrest - Teeside

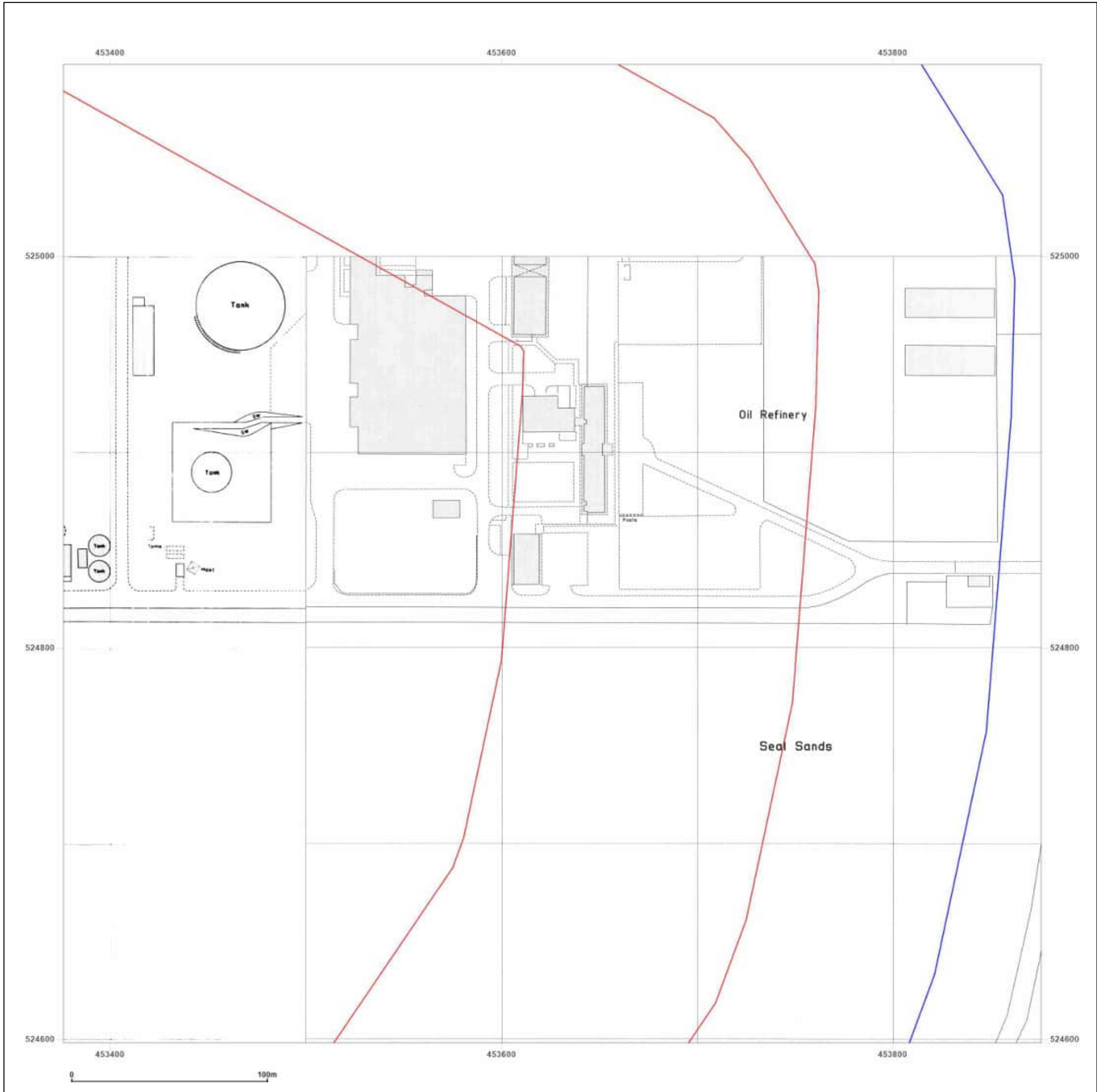
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**Grid Ref:** 453626, 524848

**Map Name:** National Grid

**Map date:** 1978-1979

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 453626, 524848

**Map Name:** National Grid

**Map date:** 1976-1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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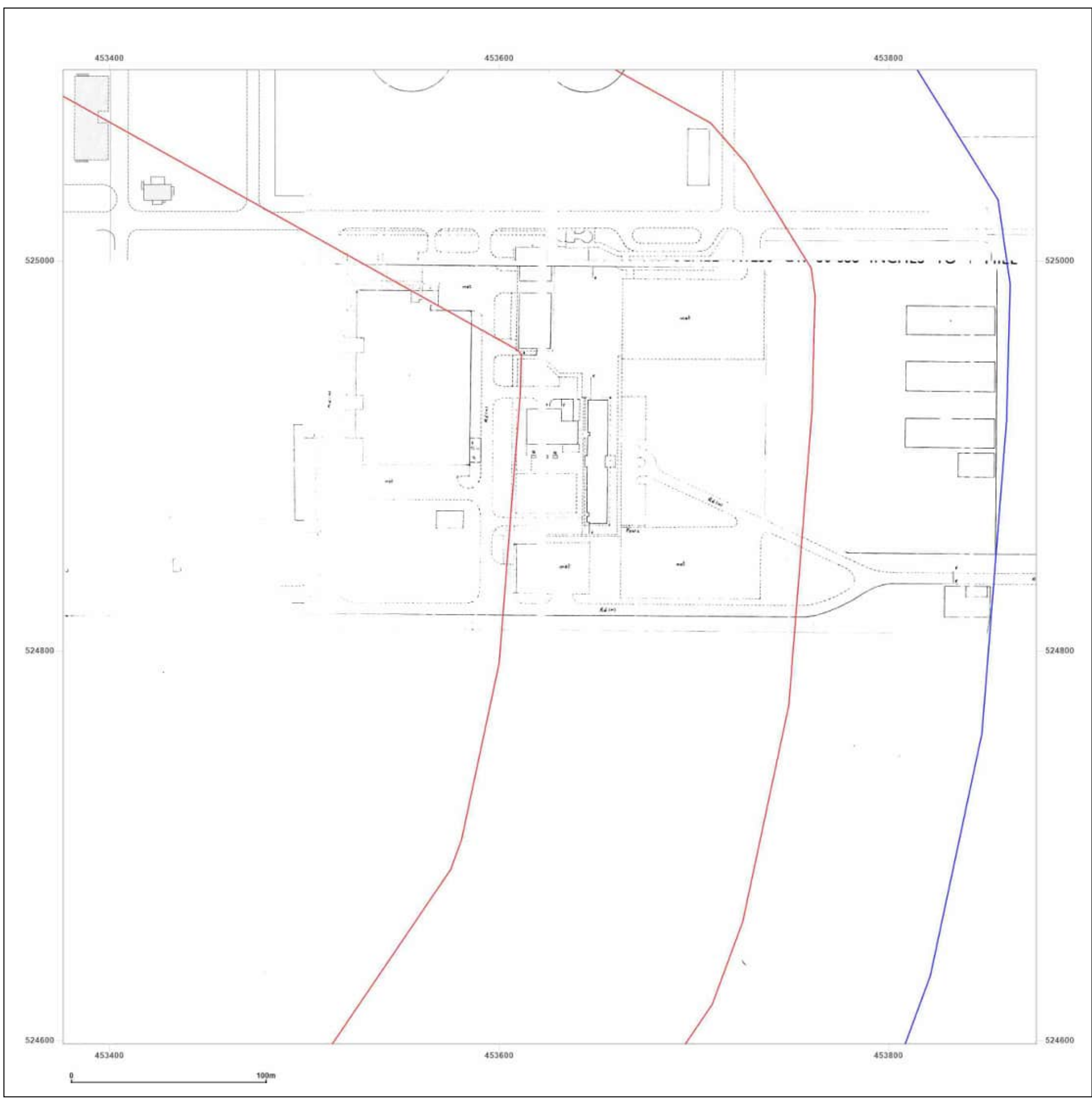


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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1976-1980

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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959
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Surveyed 1977 Revised 1977 Edition N/A Copyright 1978 Levelled 1966	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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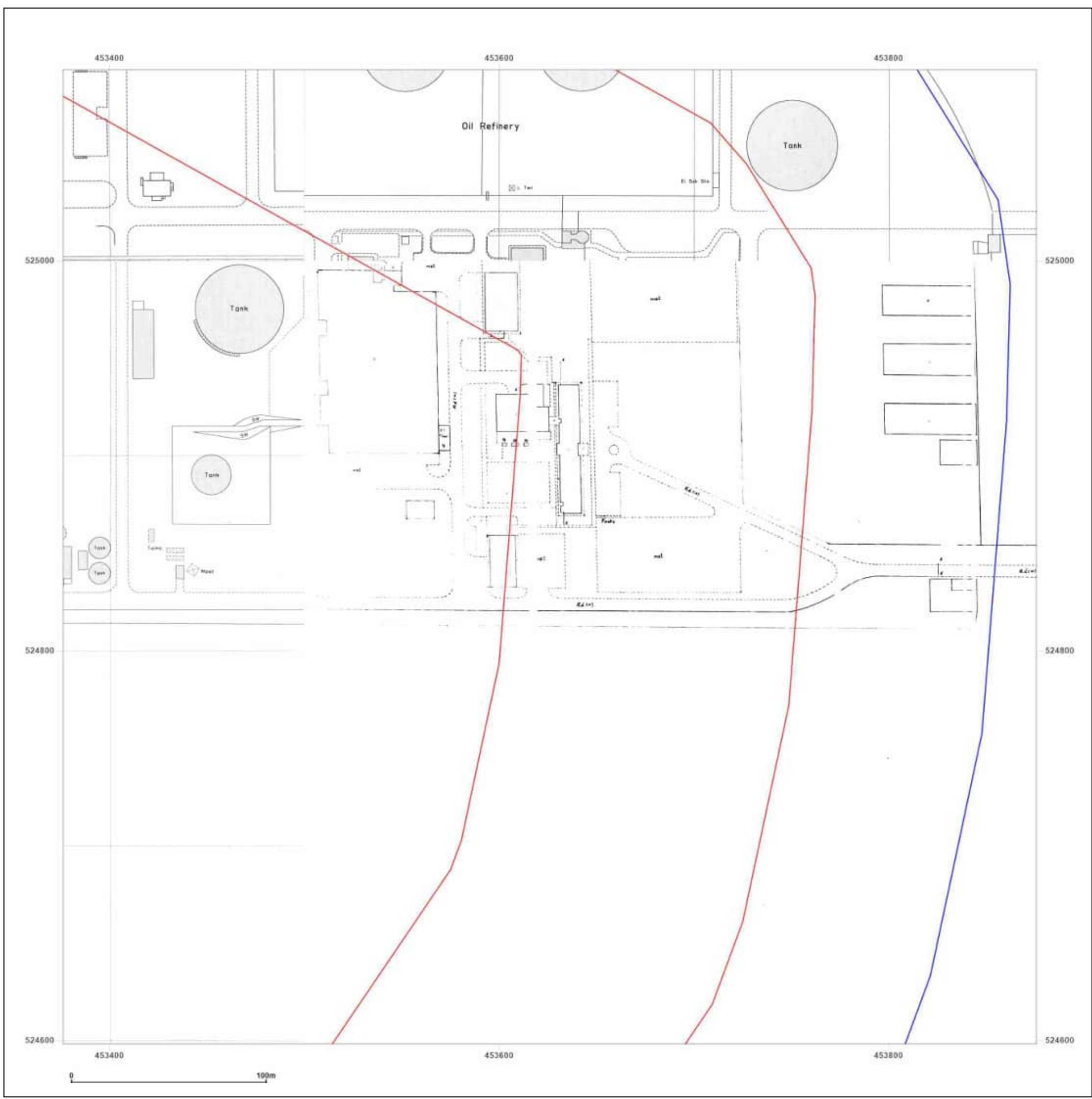


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**Site Details:**

WaveCrest - Teeside

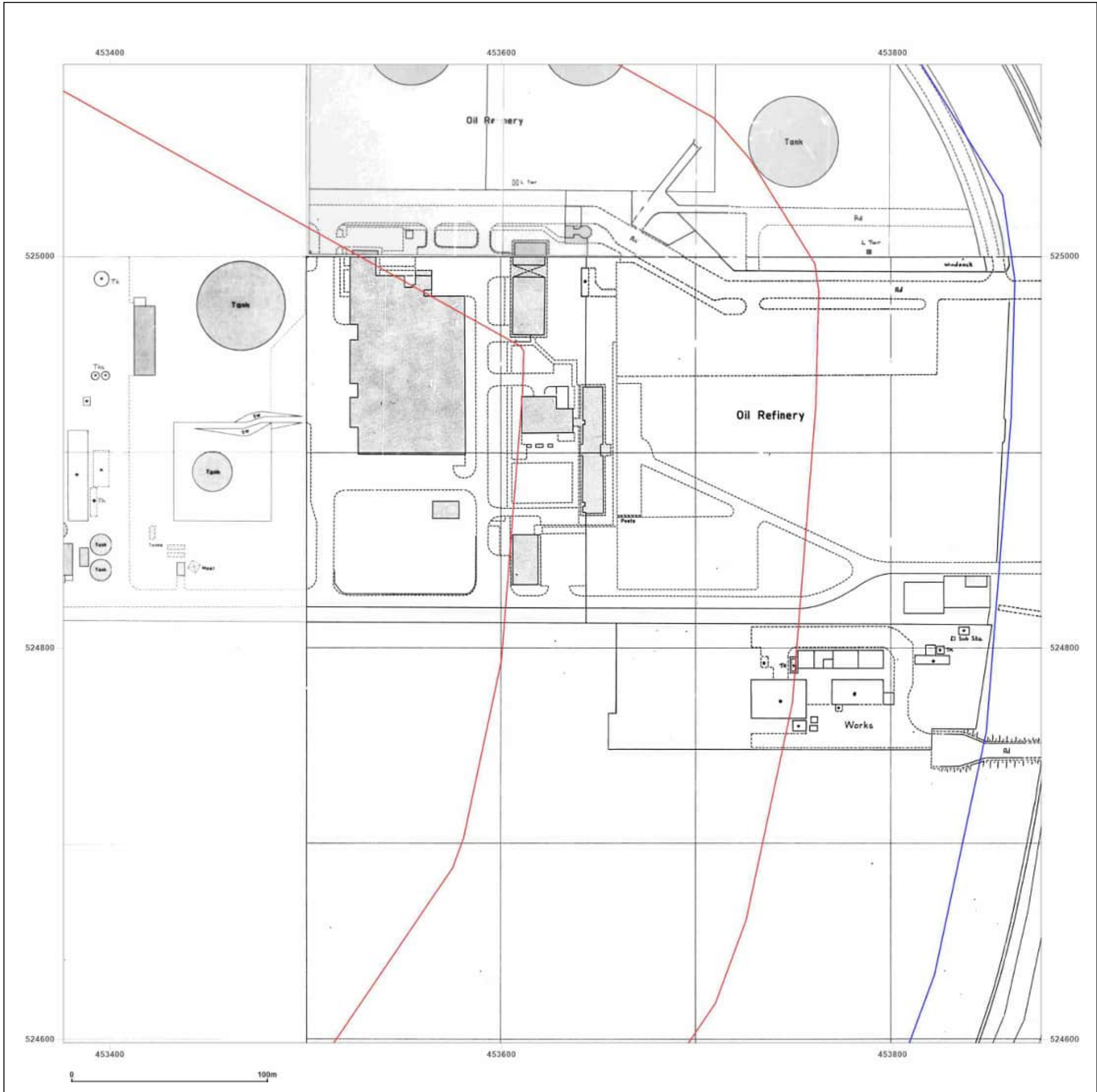
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**Map date:** 1984-1989

**Scale:** 1:1,250

**Printed at:** 1:2,000



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 Revised N/A  
 Edition N/A  
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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1991

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Grid Ref:** 453626, 524848

**Map Name:** National Grid

**Map date:** 1989-1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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 Revised 1993  
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**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:1,250

**Printed at:** 1:2,000



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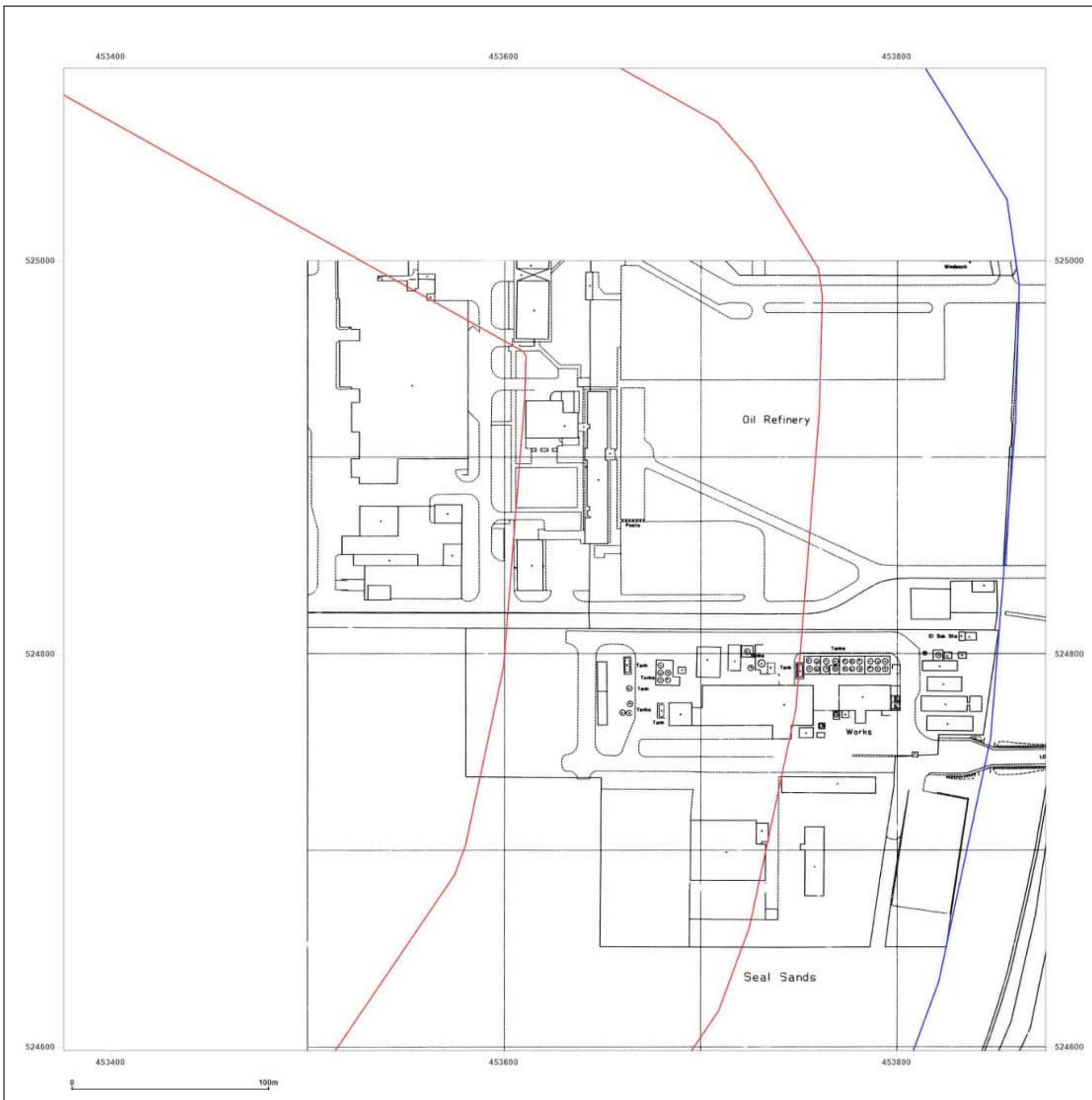


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Surveyed 1994  
 Revised 1994  
 Edition N/A  
 Copyright 1994  
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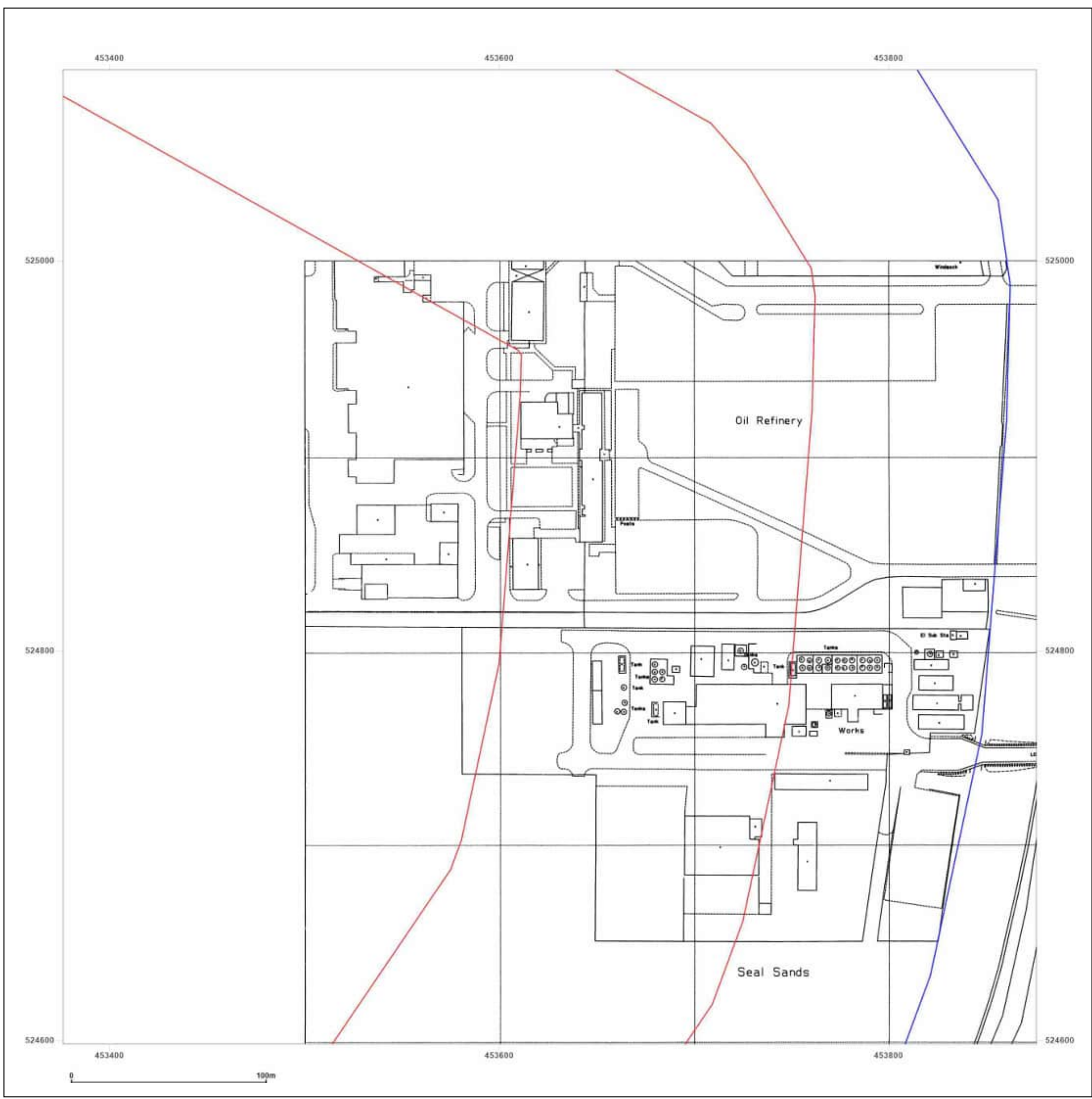


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_1250\_5\_4  
**Grid Ref:** 453626, 525348

**Map Name:** National Grid

**Map date:** 1976-1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



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Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A



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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_1250\_5\_4  
**Grid Ref:** 453626, 525348

**Map Name:** National Grid

**Map date:** 1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



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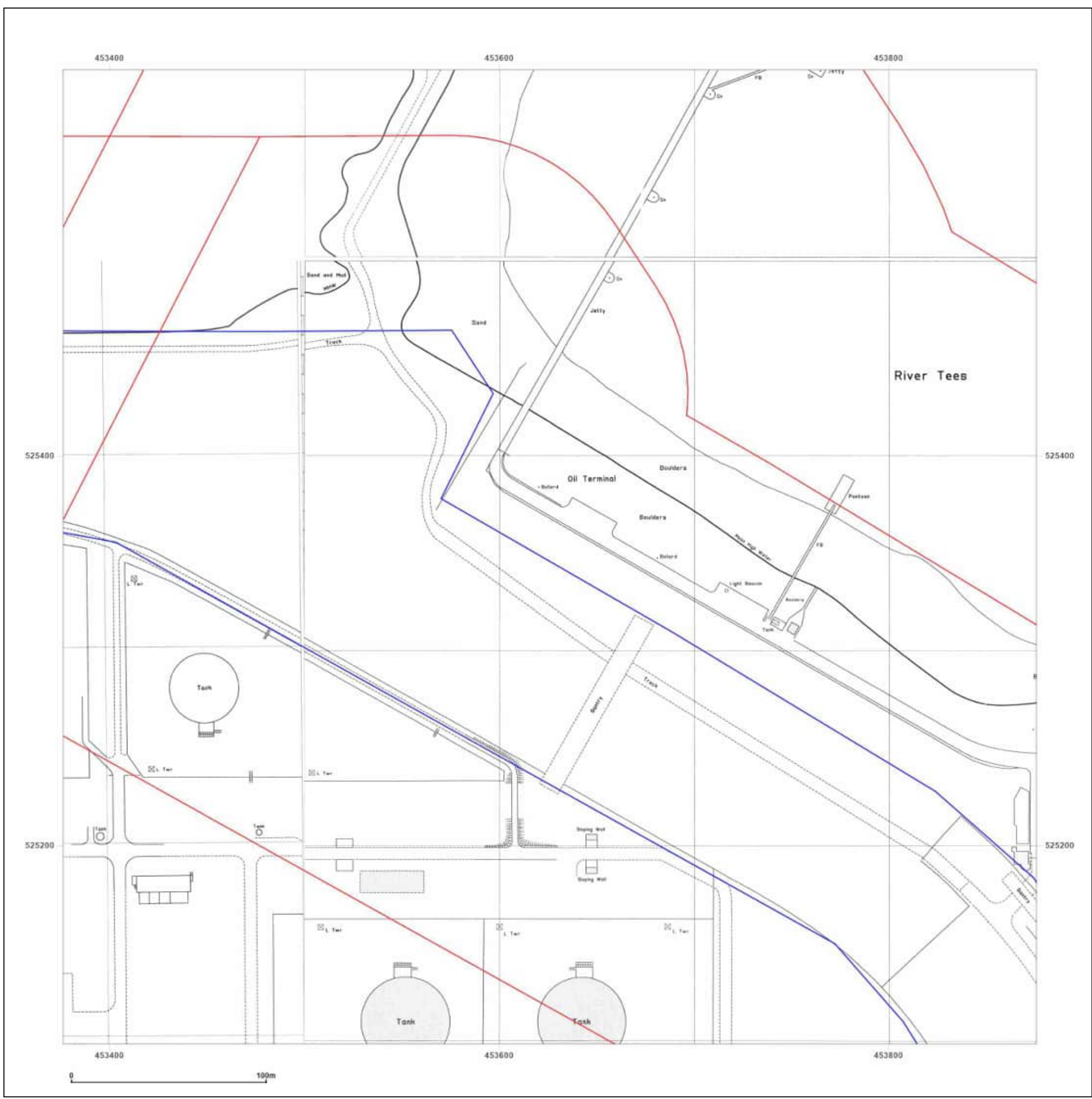


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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1984

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
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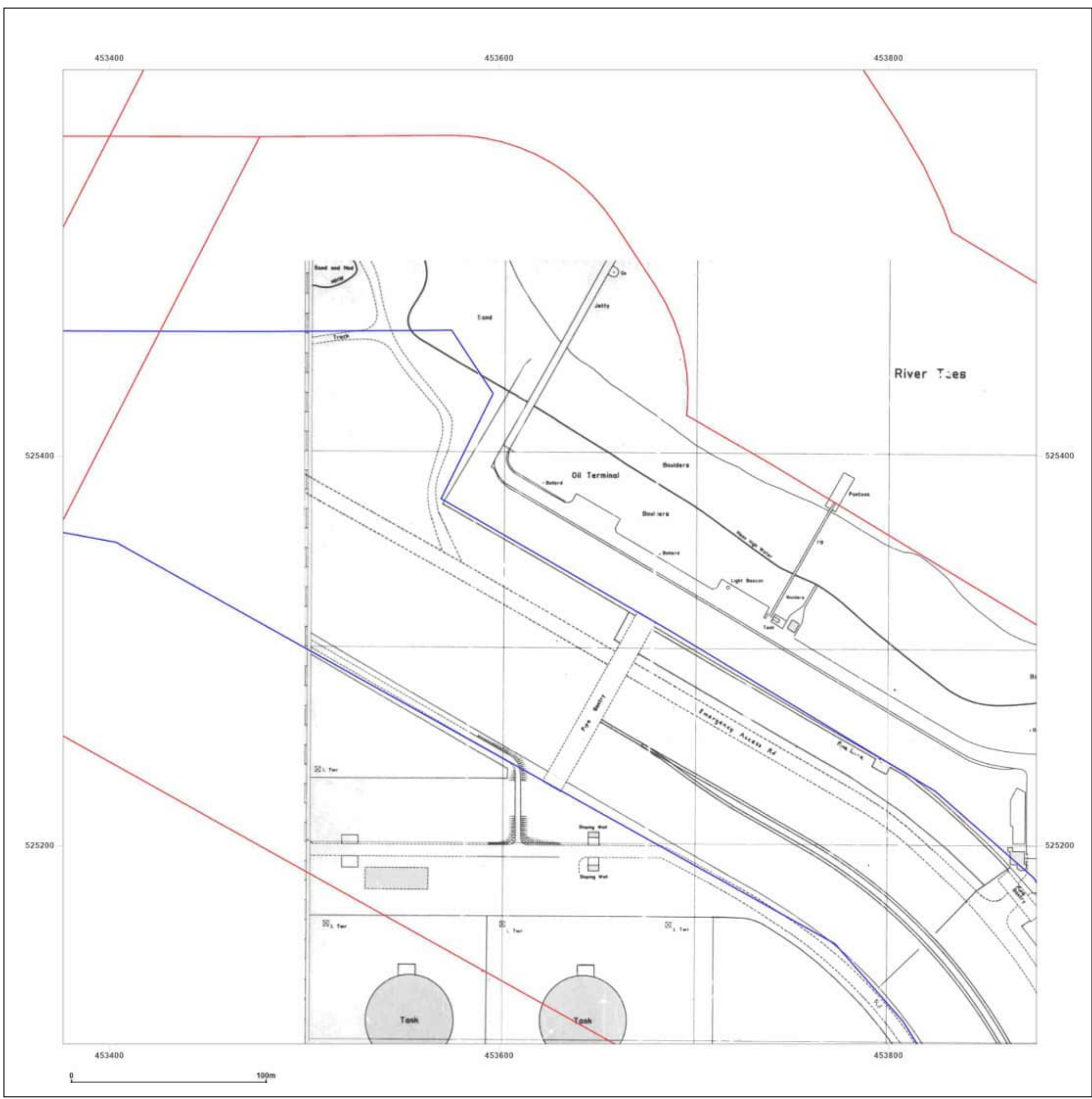


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**Site Details:**

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**Grid Ref:** 453626, 525348

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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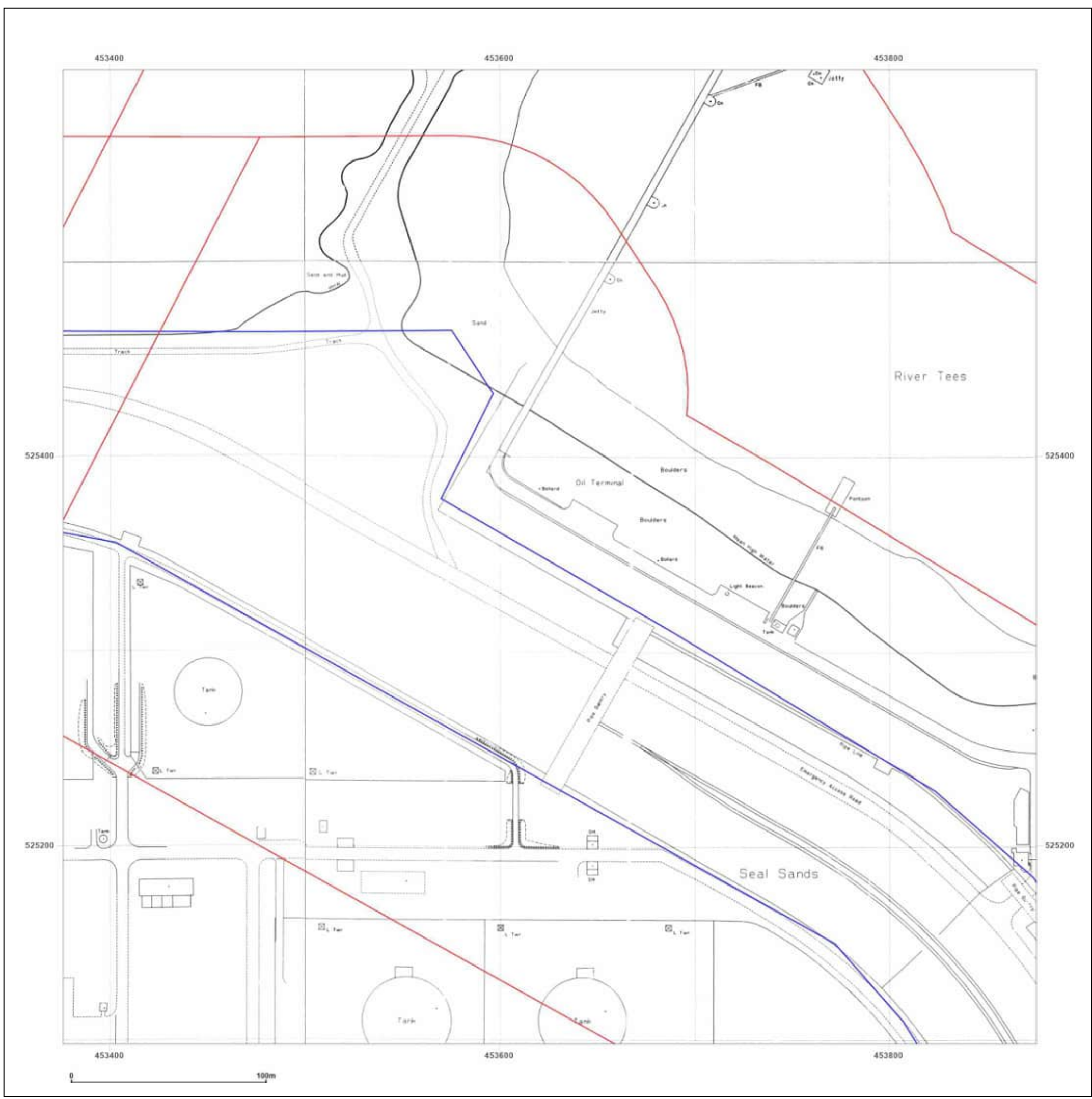


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_1250\_6\_1  
**Grid Ref:** 454126, 523848

**Map Name:** National Grid

**Map date:** 1964

**Scale:** 1:1,250

**Printed at:** 1:2,000



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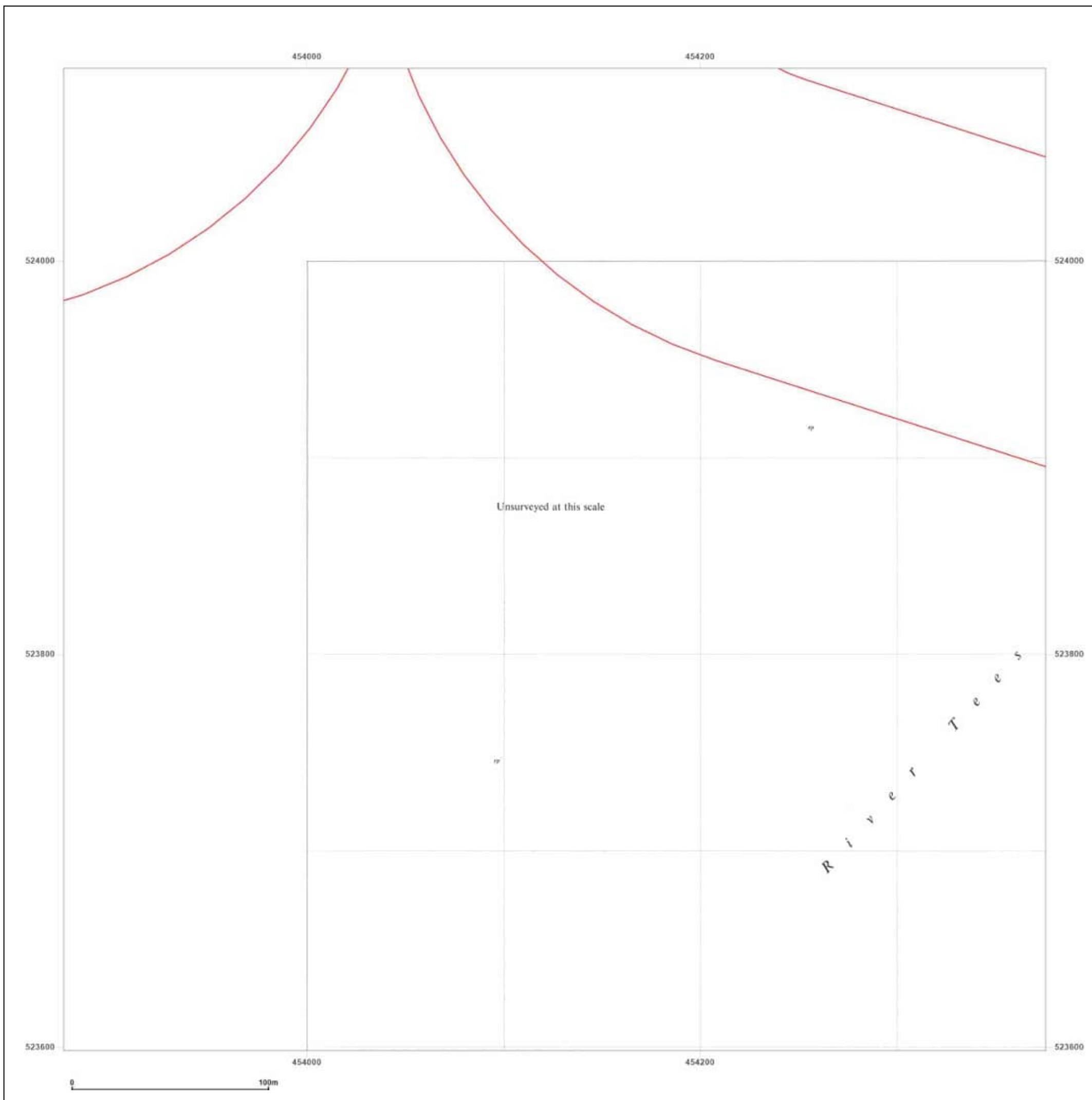


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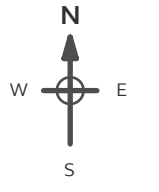
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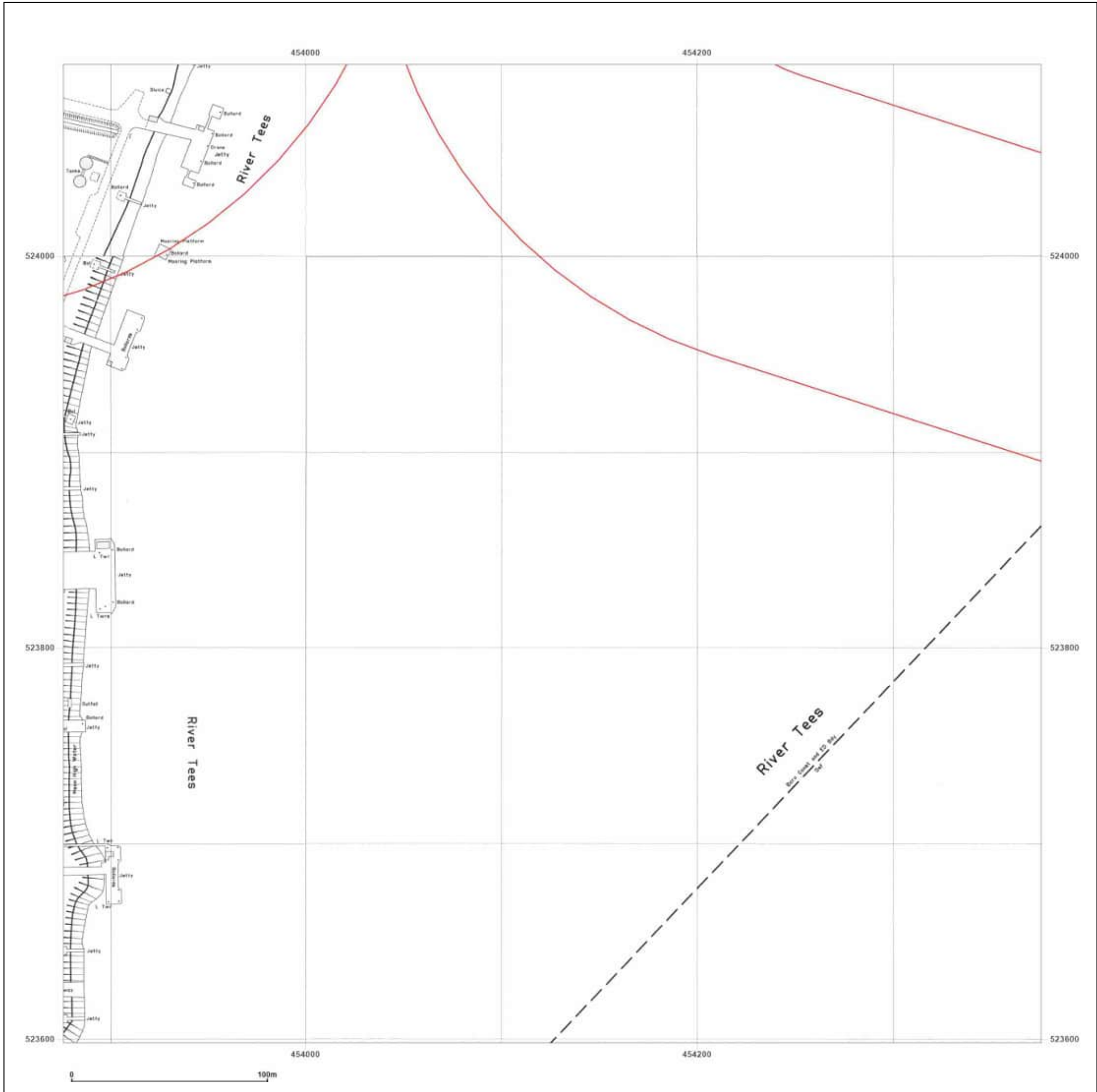
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**Scale:** 1:1,250

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**Site Details:**

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**Map Name:** National Grid

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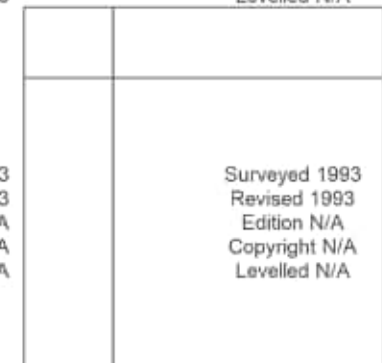
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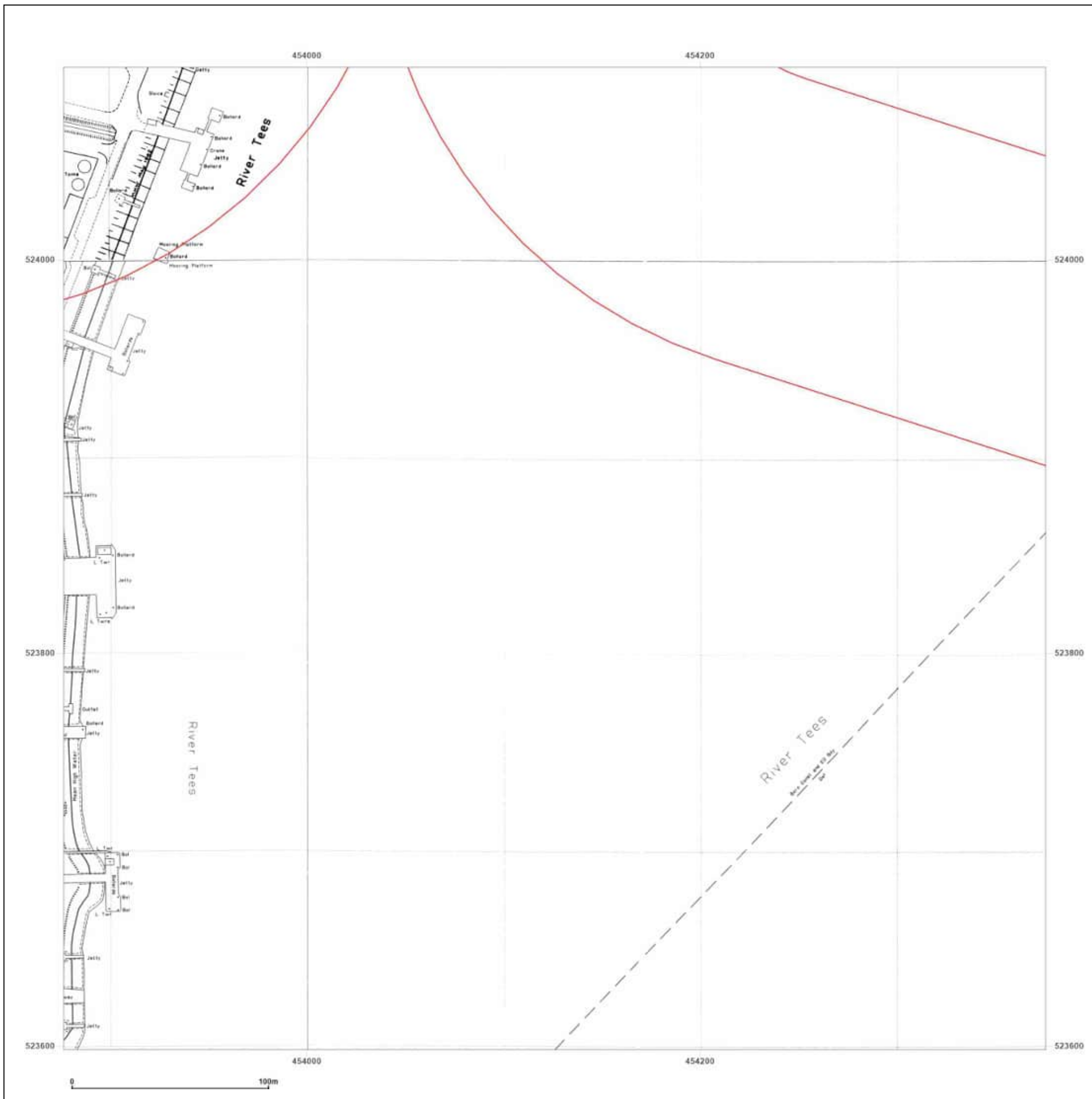


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_1250\_6\_2  
**Grid Ref:** 454126, 524348

**Map Name:** National Grid

**Map date:** 1976-1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



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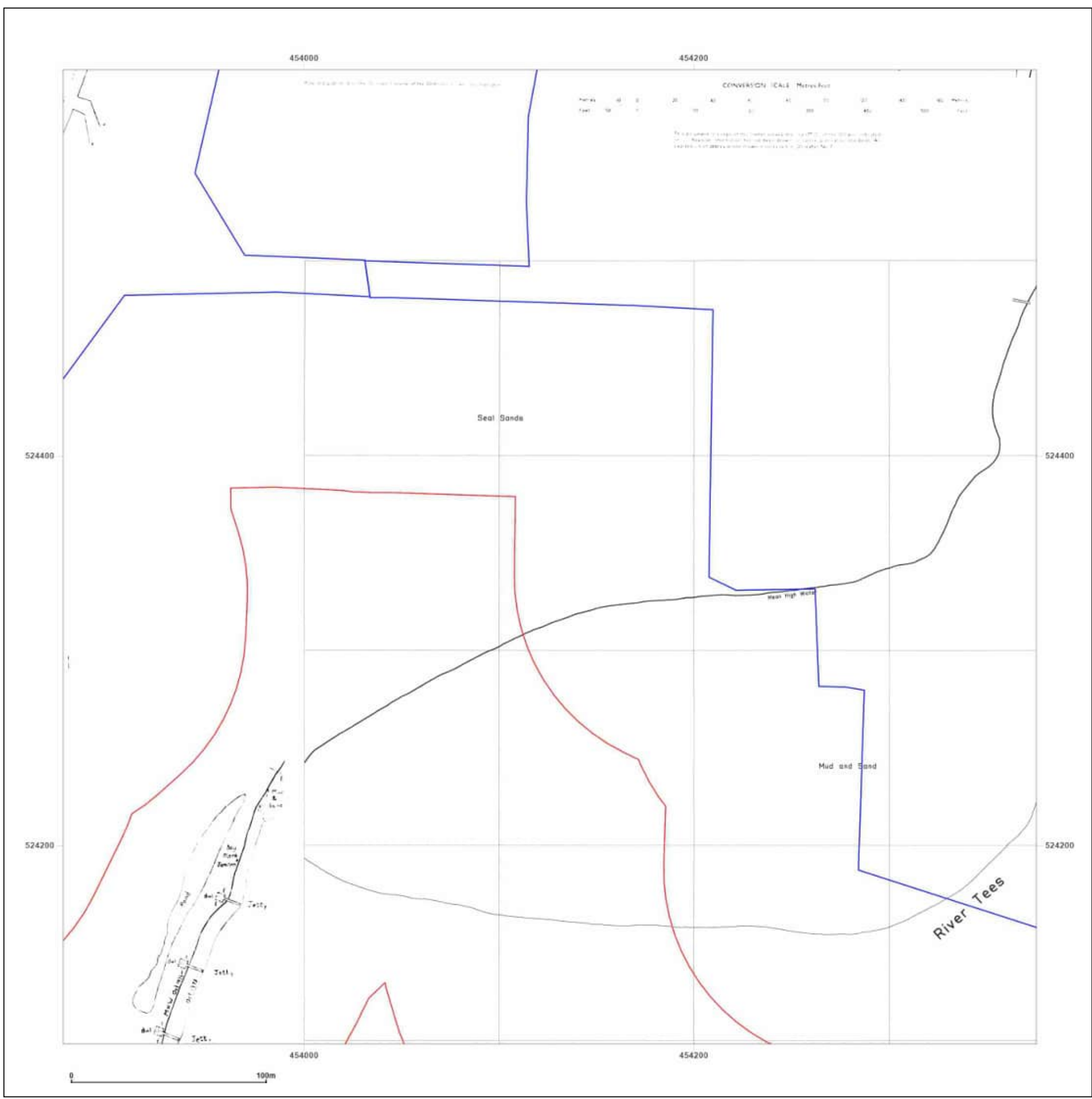


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**Map Name:** National Grid

**Map date:** 1989-1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A



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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_1250\_6\_3  
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**Map Name:** National Grid

**Map date:** 1976

**Scale:** 1:1,250

**Printed at:** 1:2,000



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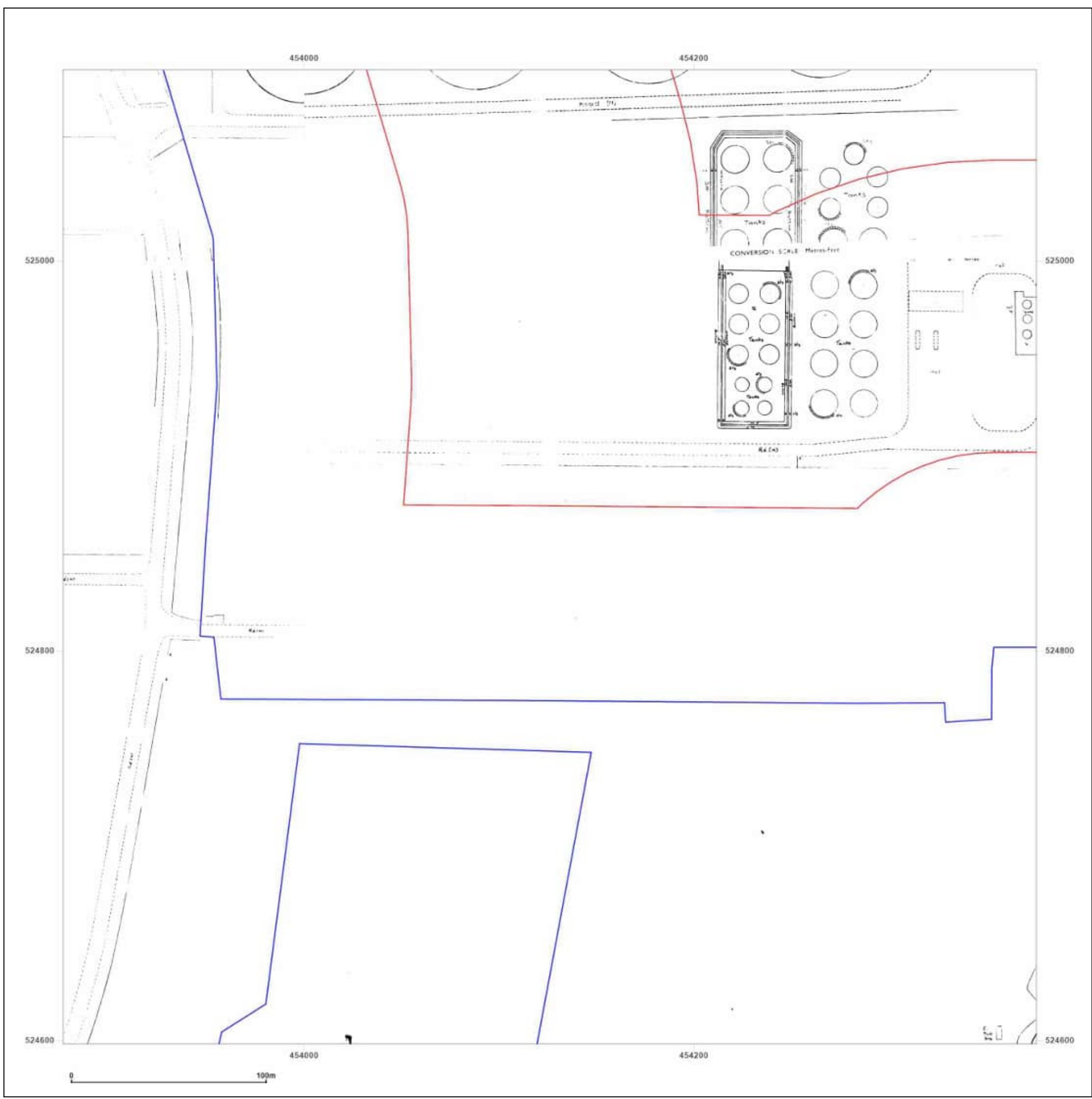


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**Site Details:**

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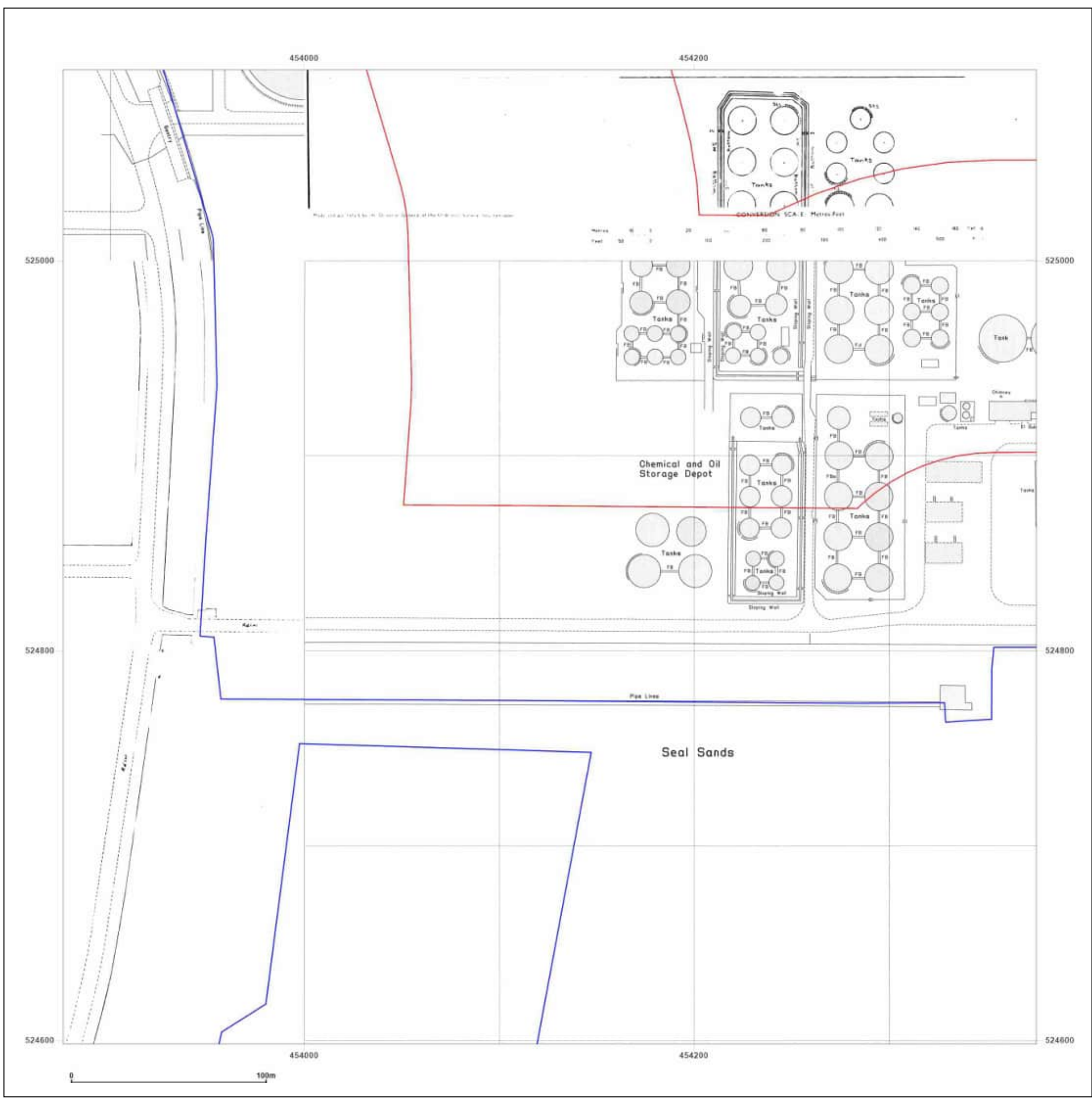
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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959



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**Grid Ref:** 454126, 524848

**Map Name:** National Grid

**Map date:** 1979-1984

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed N/A	Surveyed 1978
Revised N/A	Revised 1978
Edition N/A	Edition N/A
Copyright N/A	Copyright 1979
Levelled N/A	Levelled 1959

Surveyed 1977	Surveyed N/A
Revised 1977	Revised N/A
Edition N/A	Edition N/A
Copyright 1979	Copyright N/A
Levelled 1966	Levelled N/A

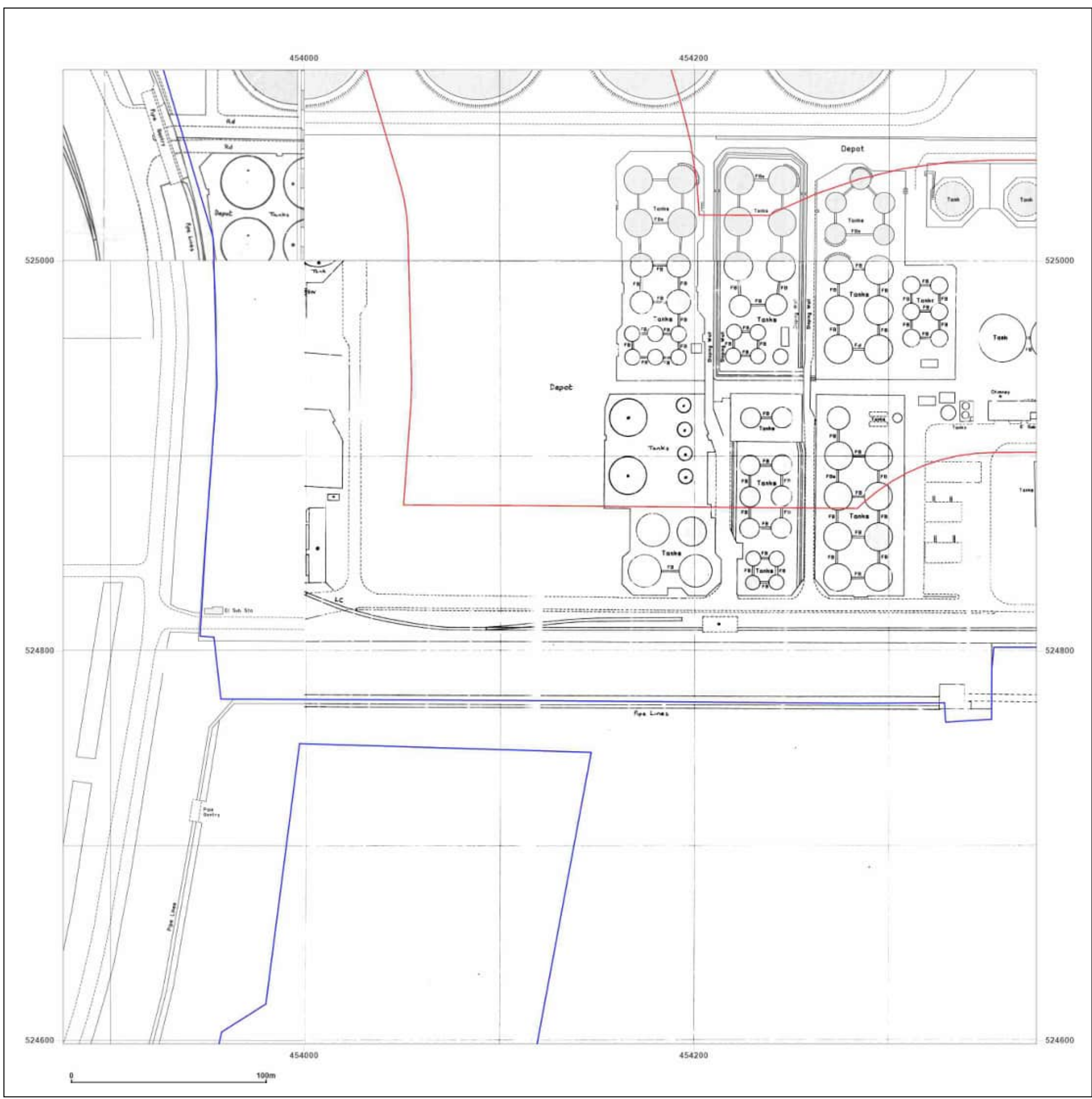


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
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**Grid Ref:** 454126, 524848

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**Map date:** 1984

**Scale:** 1:1,250

**Printed at:** 1:2,000



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 Edition N/A  
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 Levelled 1959

Surveyed 1959  
 Revised 1984  
 Edition N/A  
 Copyright 1984  
 Levelled 1959

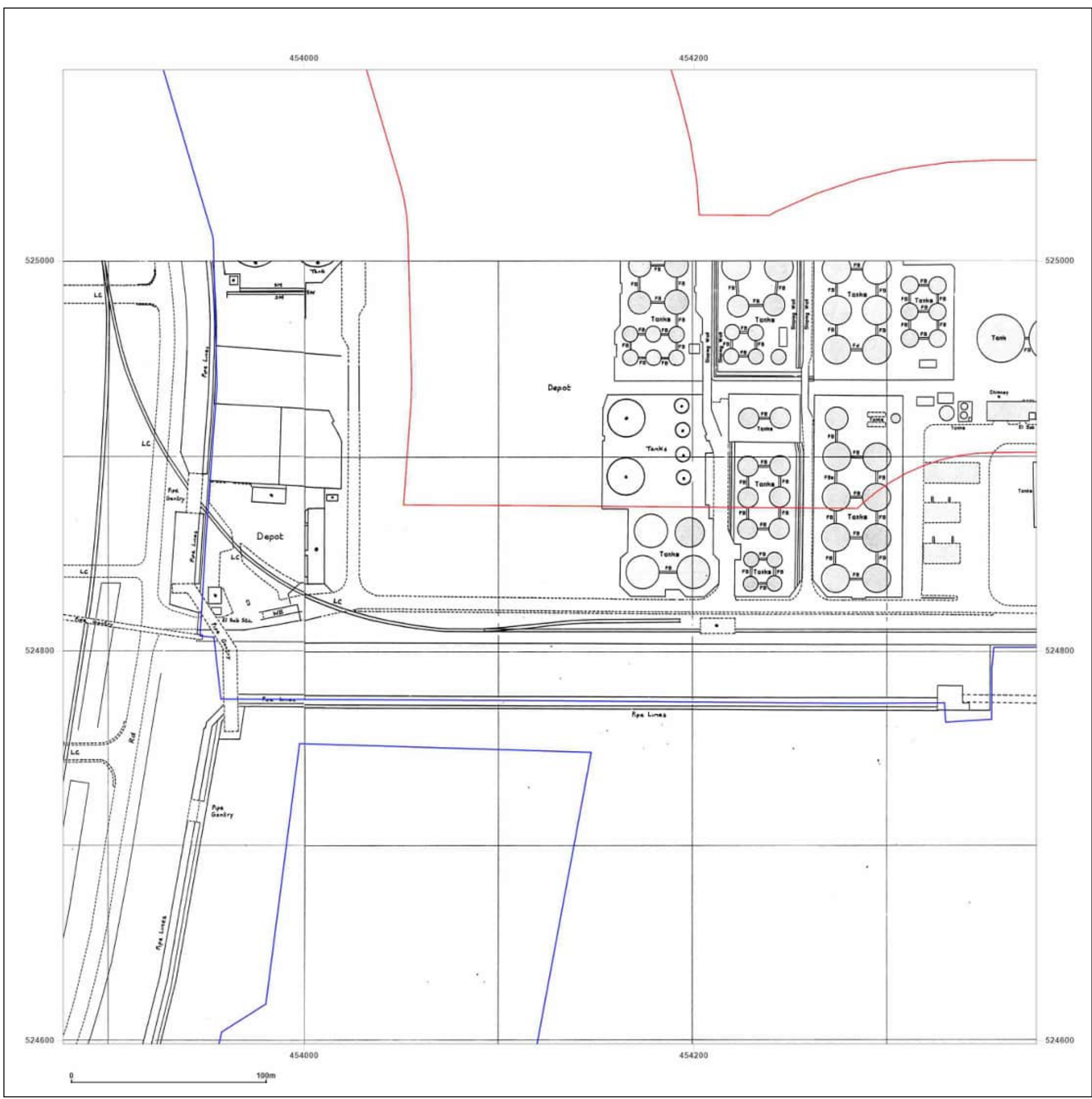


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454126, 524848

**Map Name:** National Grid

**Map date:** 1989-1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Site Details:**

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**Grid Ref:** 454126, 525348

**Map Name:** National Grid

**Map date:** 1976-1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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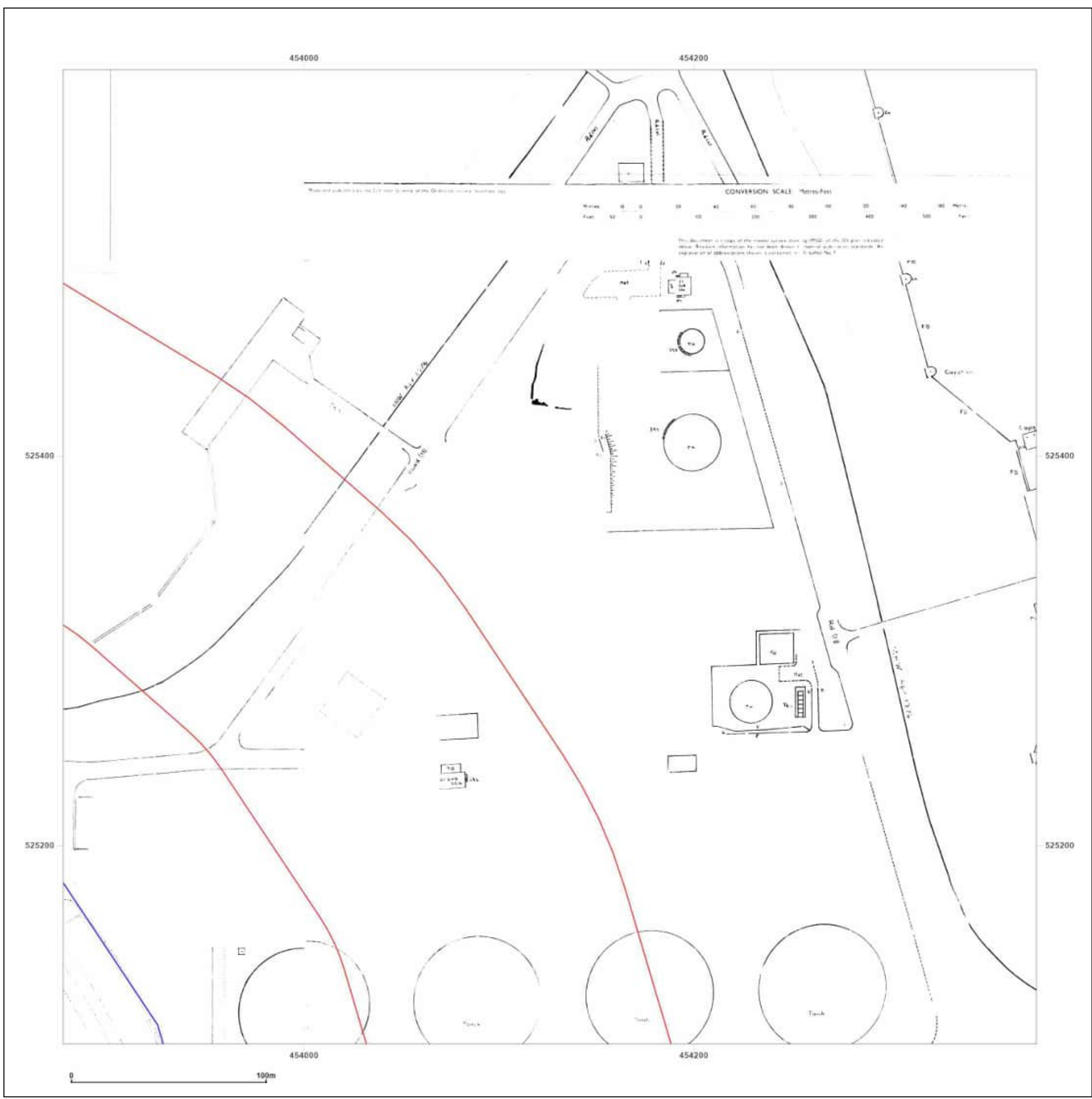


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**Map date:** 1976-1980

**Scale:** 1:1,250

**Printed at:** 1:2,000



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Surveyed 1978 Revised 1978 Edition N/A Copyright 1980 Levelled 1959	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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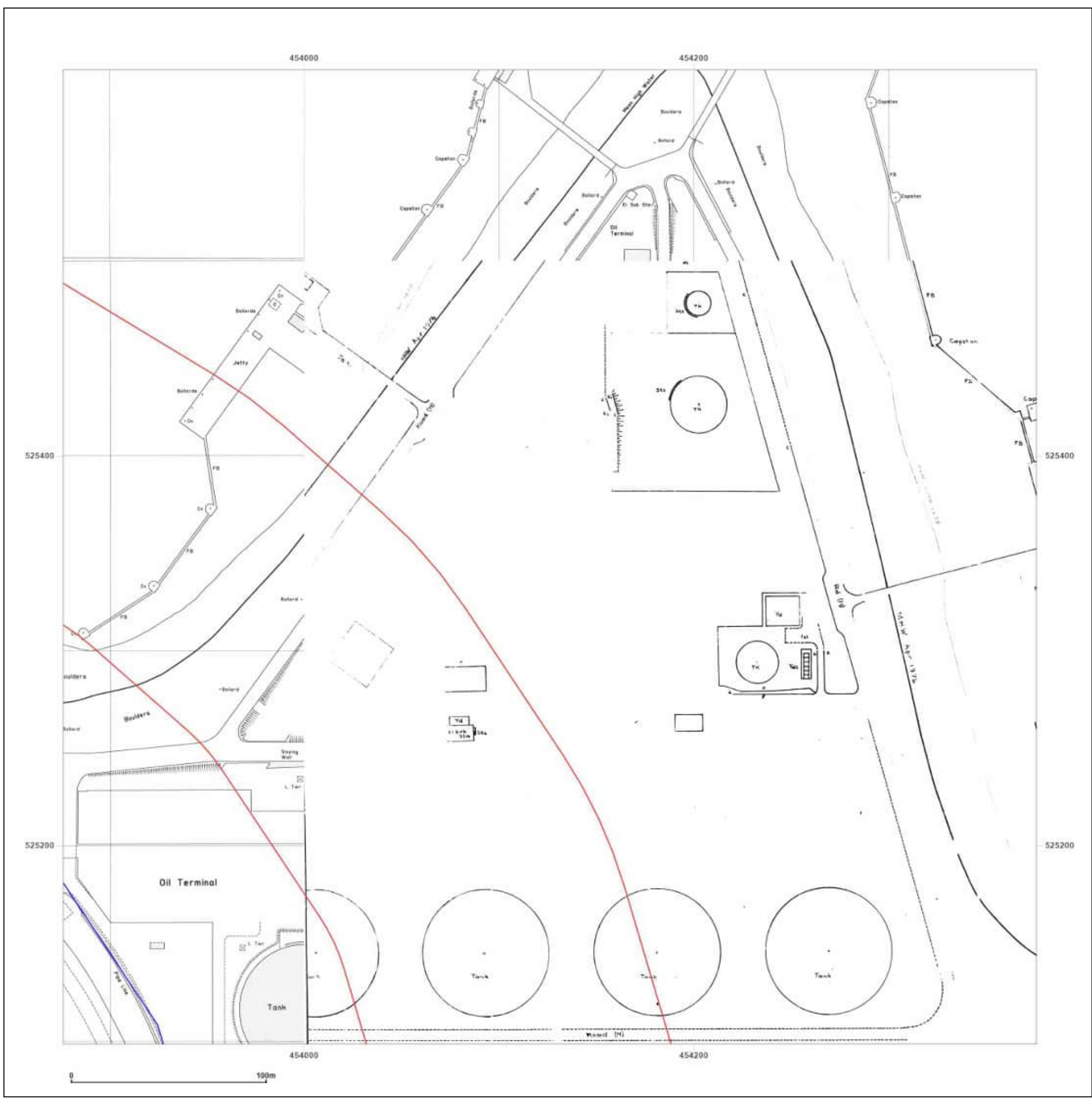


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**Map date:** 1979-1984

**Scale:** 1:1,250

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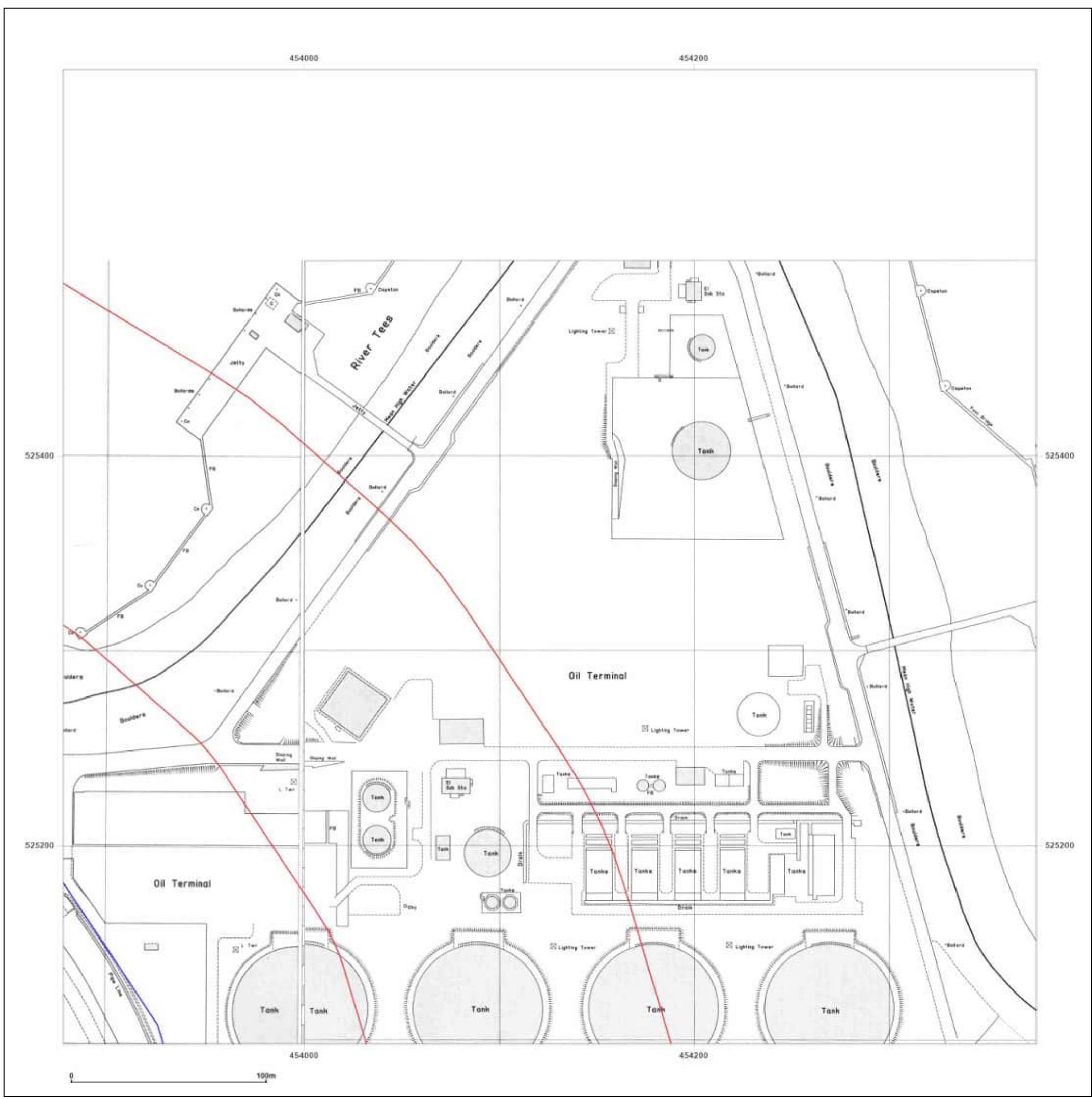


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Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A	Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A
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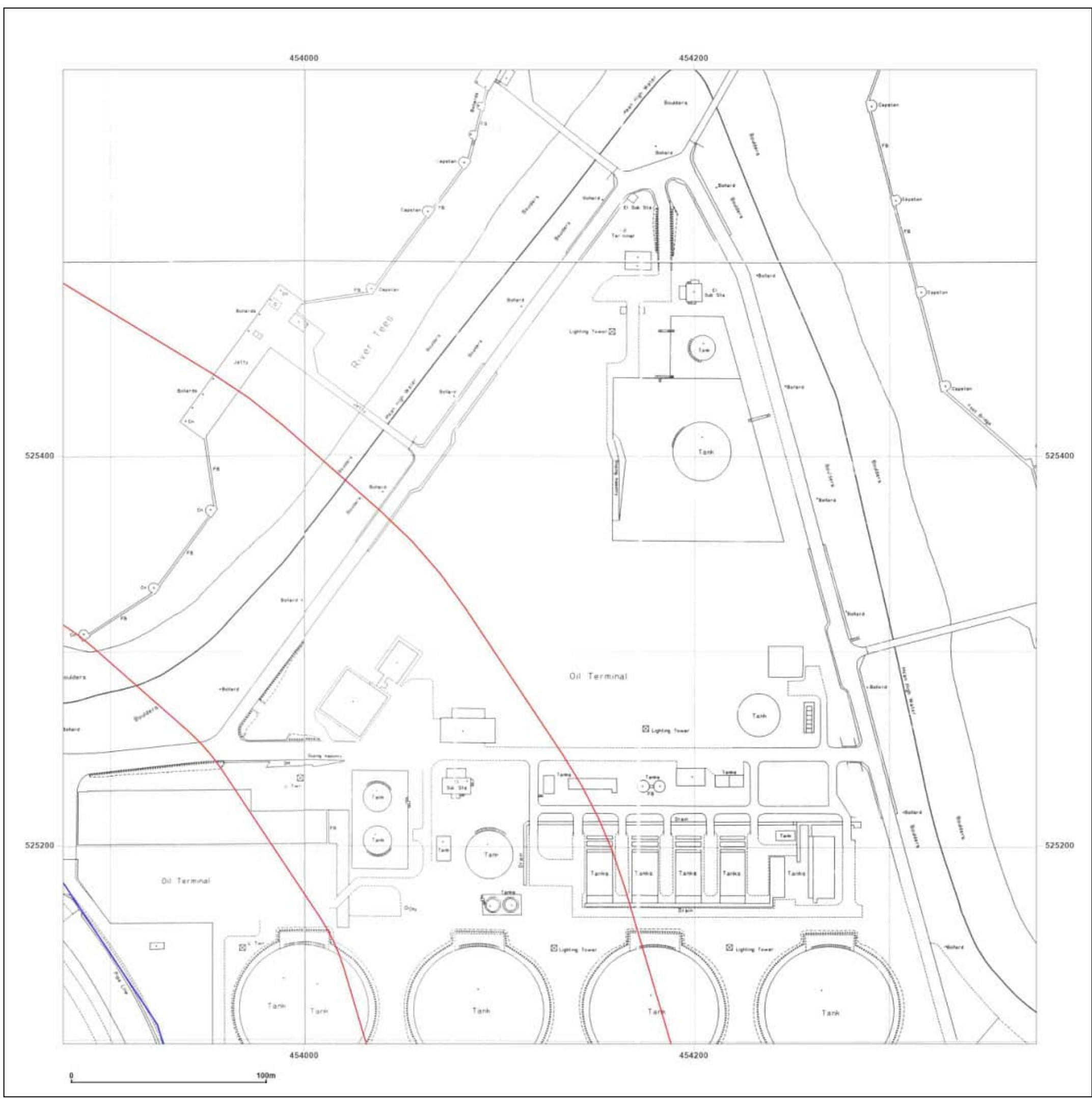


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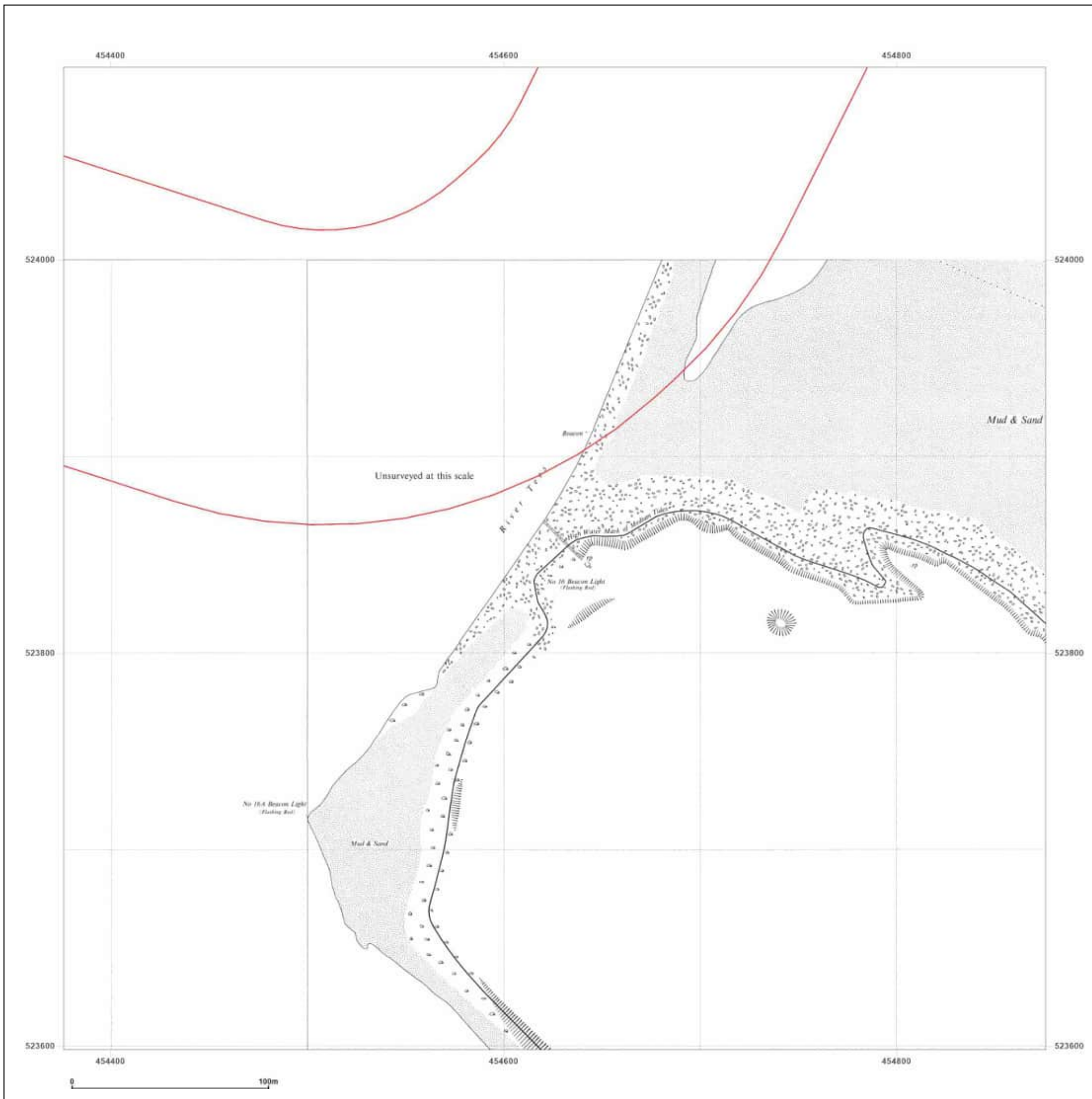
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**Map date:** 1964

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Map Name:** National Grid

**Map date:** 1970-1971

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Map Name:** National Grid

**Map date:** 1974

**Scale:** 1:1,250

**Printed at:** 1:2,000



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**Map Name:** National Grid

**Map date:** 1978

**Scale:** 1:1,250

**Printed at:** 1:2,000



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 Edition N/A  
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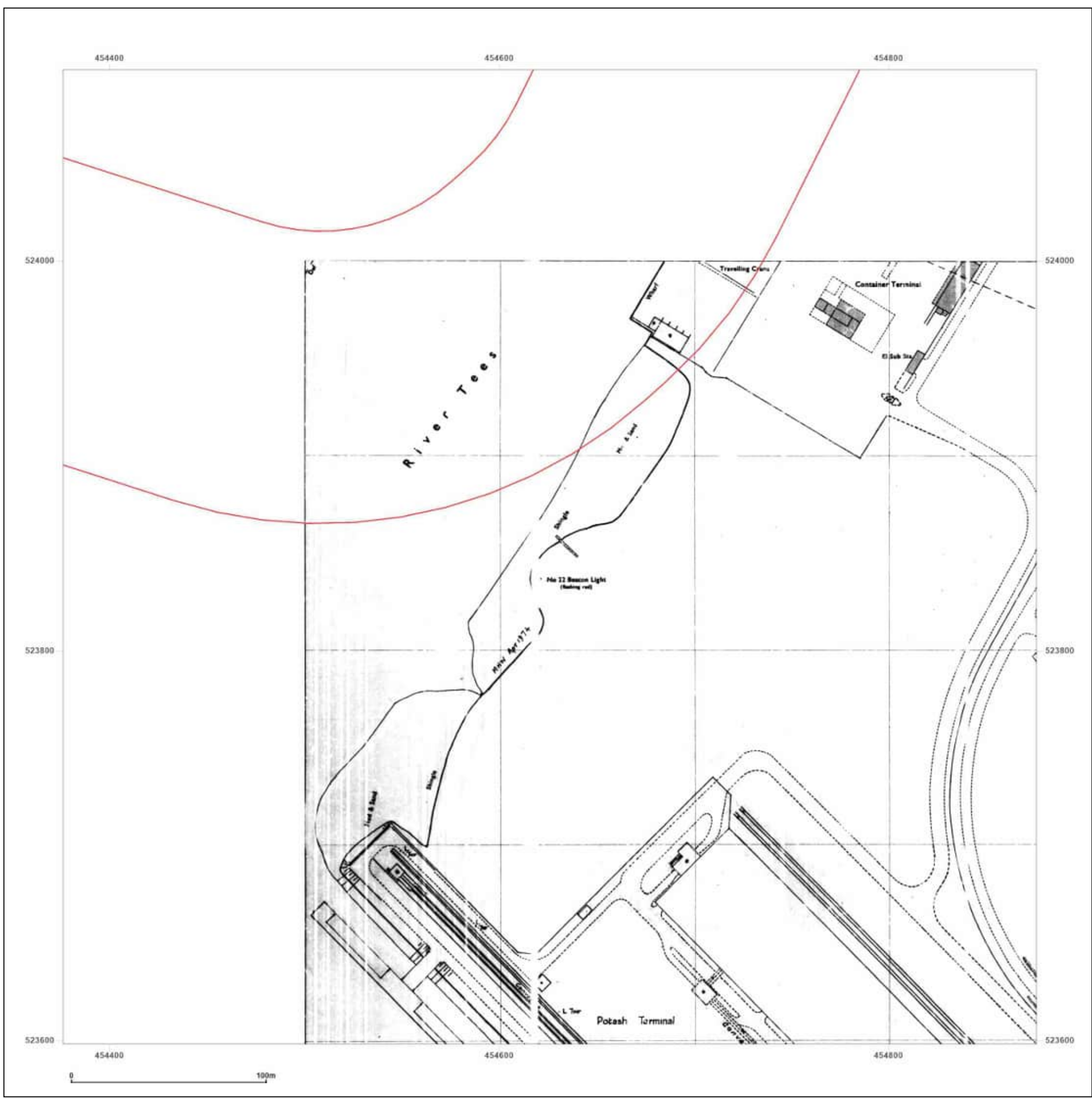


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**Map date:** 1976-1981

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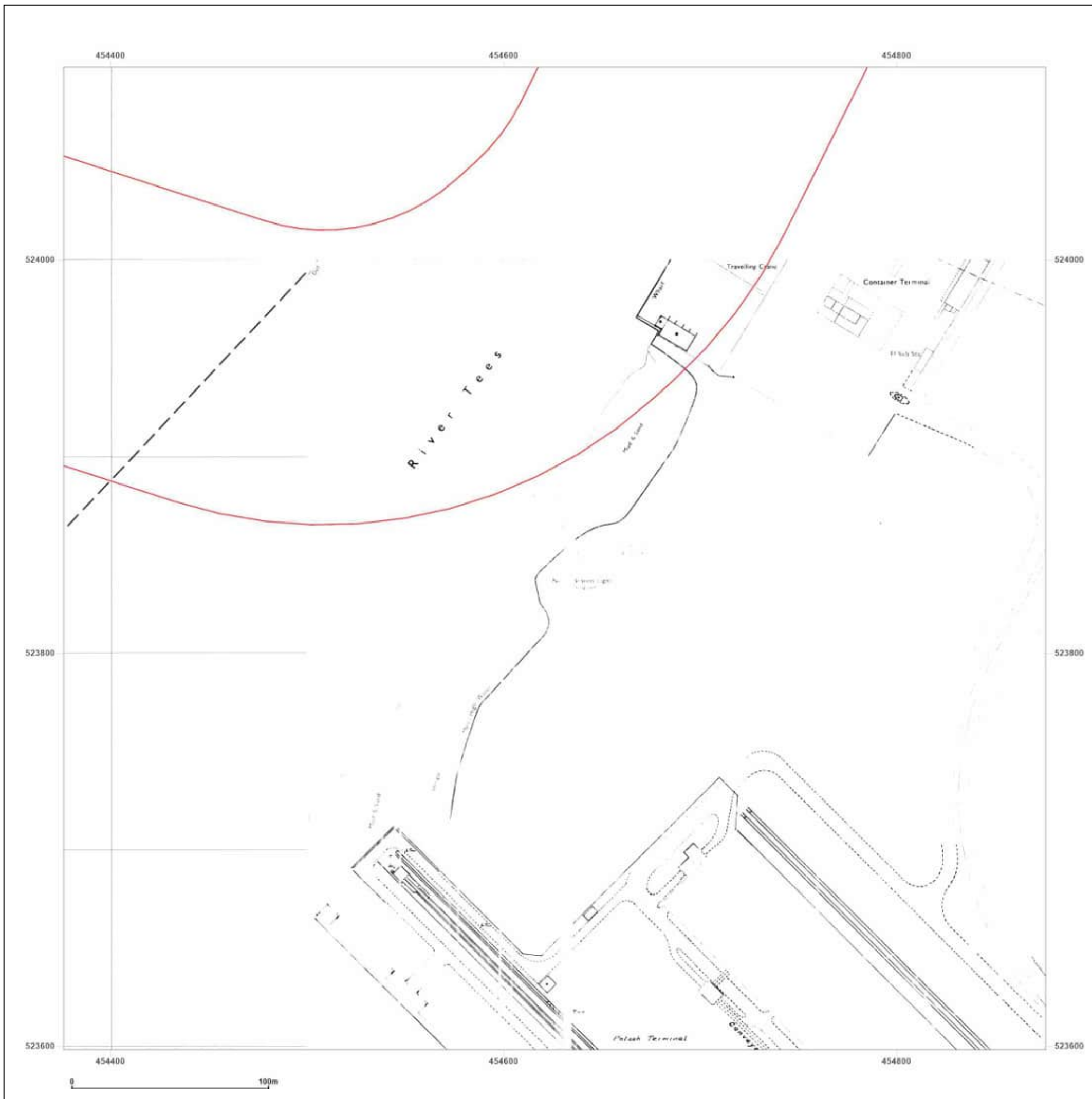
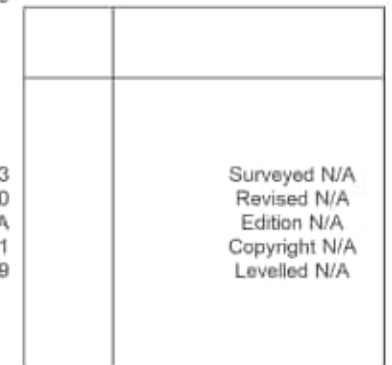
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 Revised 1978  
 Edition N/A  
 Copyright 1980  
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Surveyed 1963  
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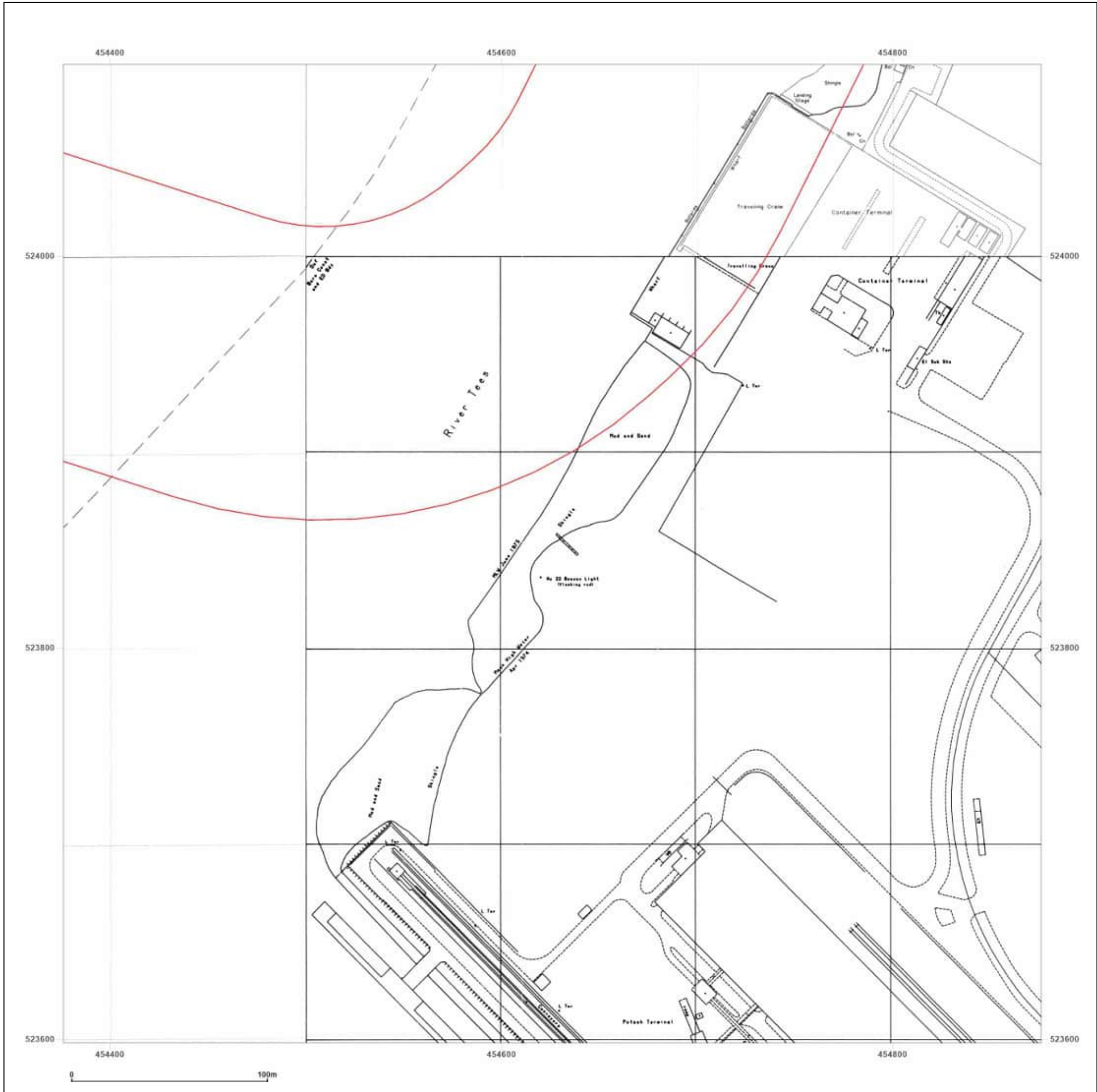
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**Grid Ref:** 454626, 523848

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:1,250

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**Map date:** 1994

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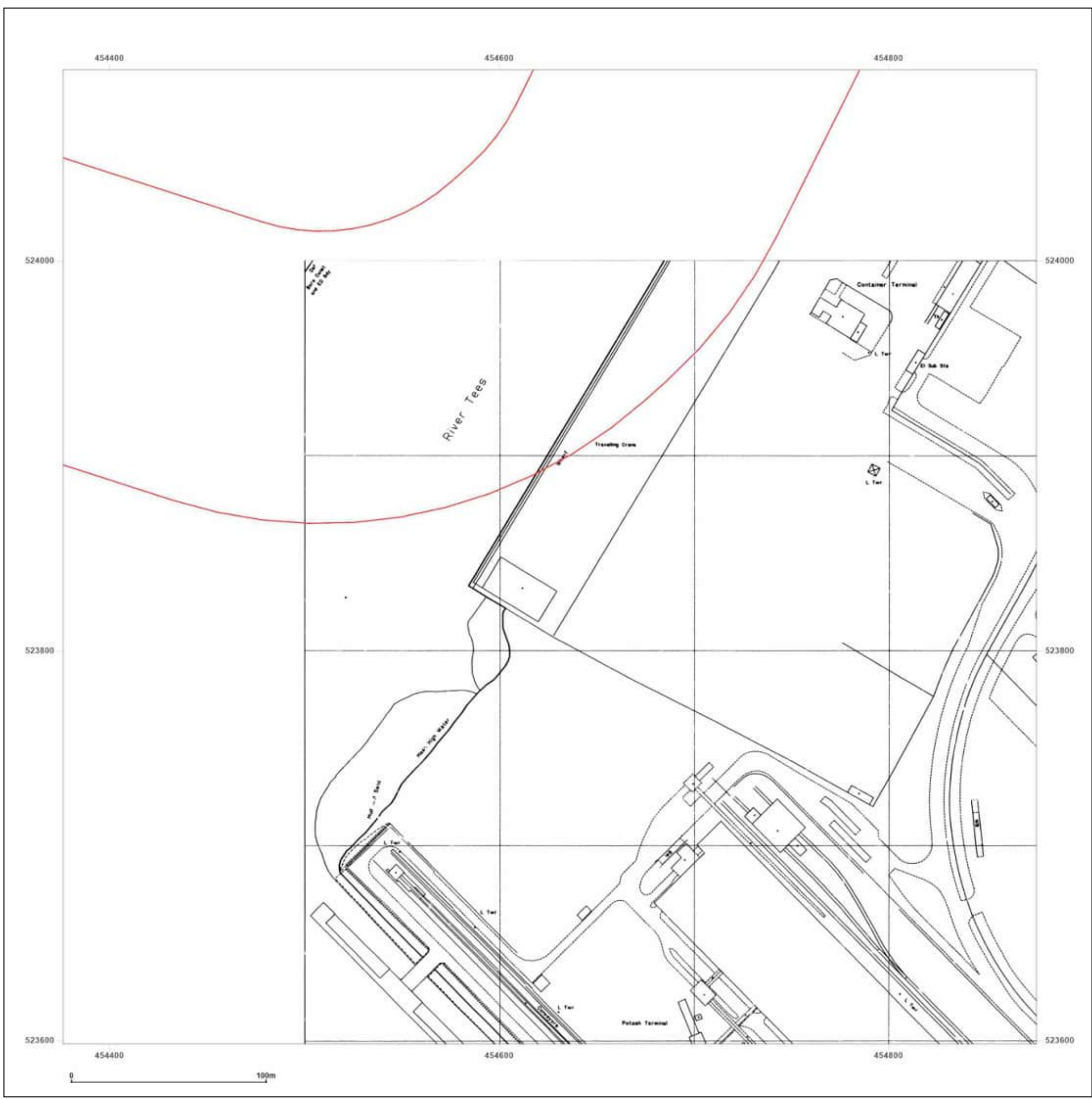


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**Client Ref:** WaveCrest - Teeside  
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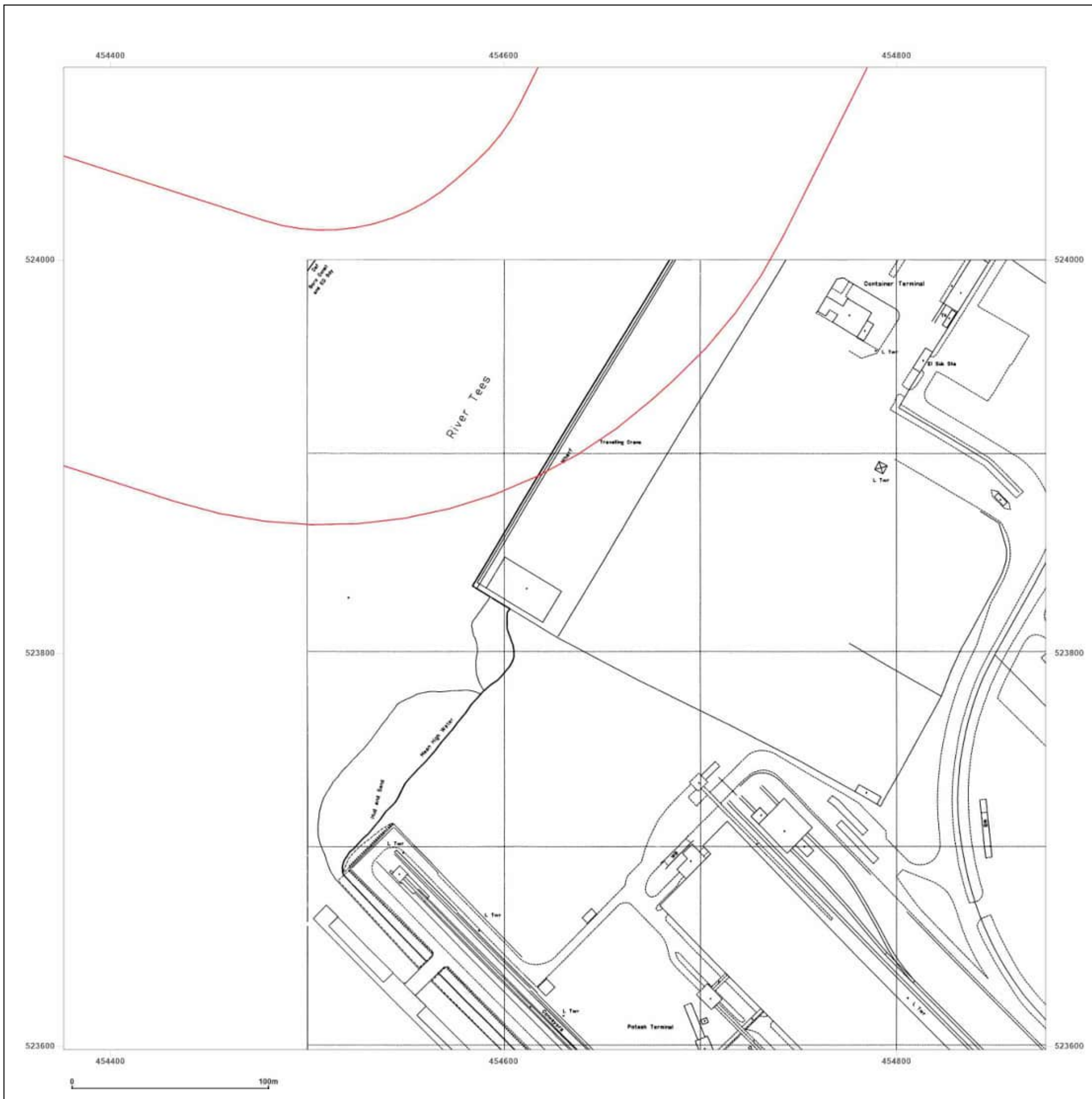


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**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



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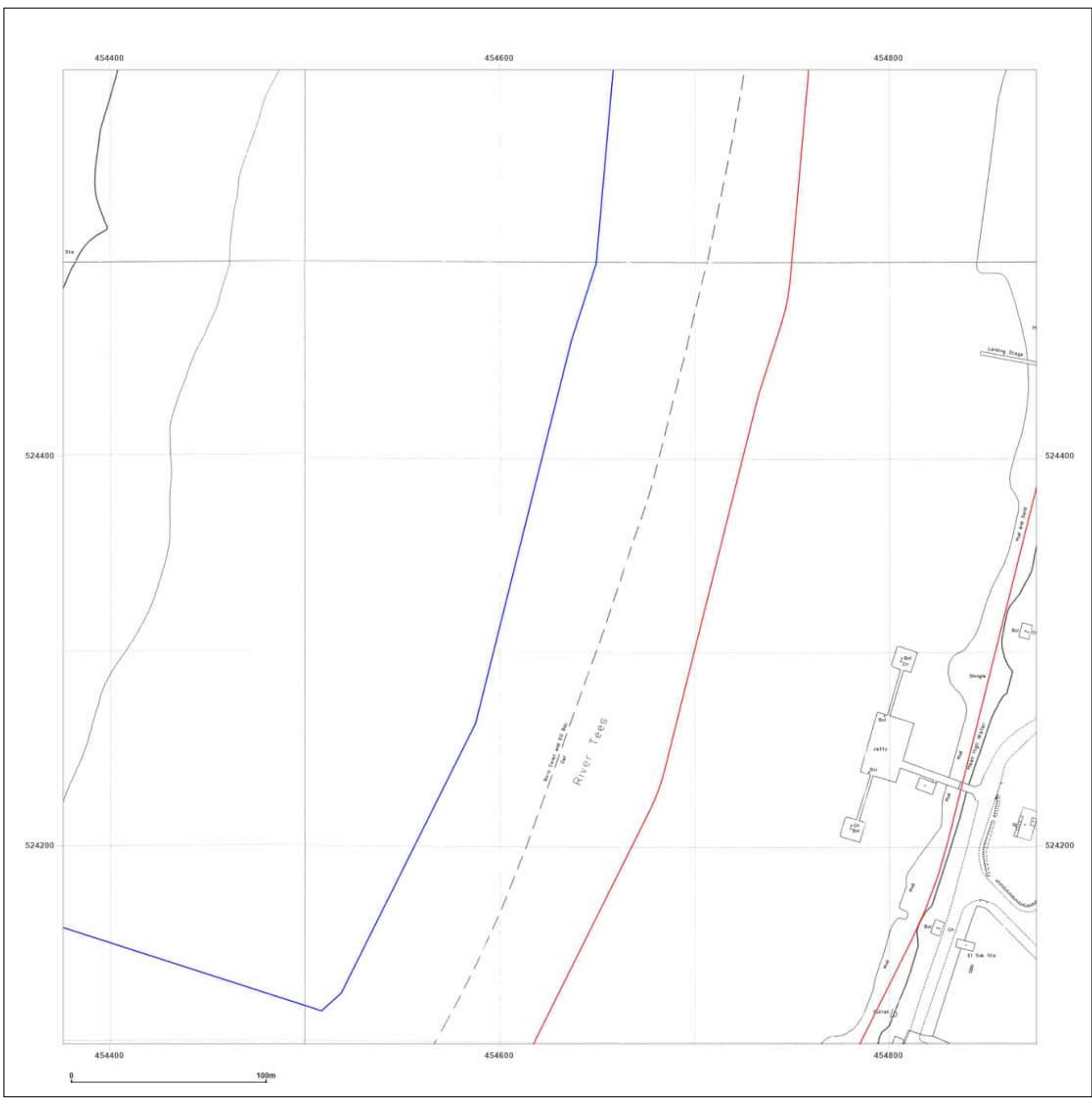


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**Grid Ref:** 454626, 524848

**Map Name:** National Grid

**Map date:** 1969

**Scale:** 1:1,250

**Printed at:** 1:2,000



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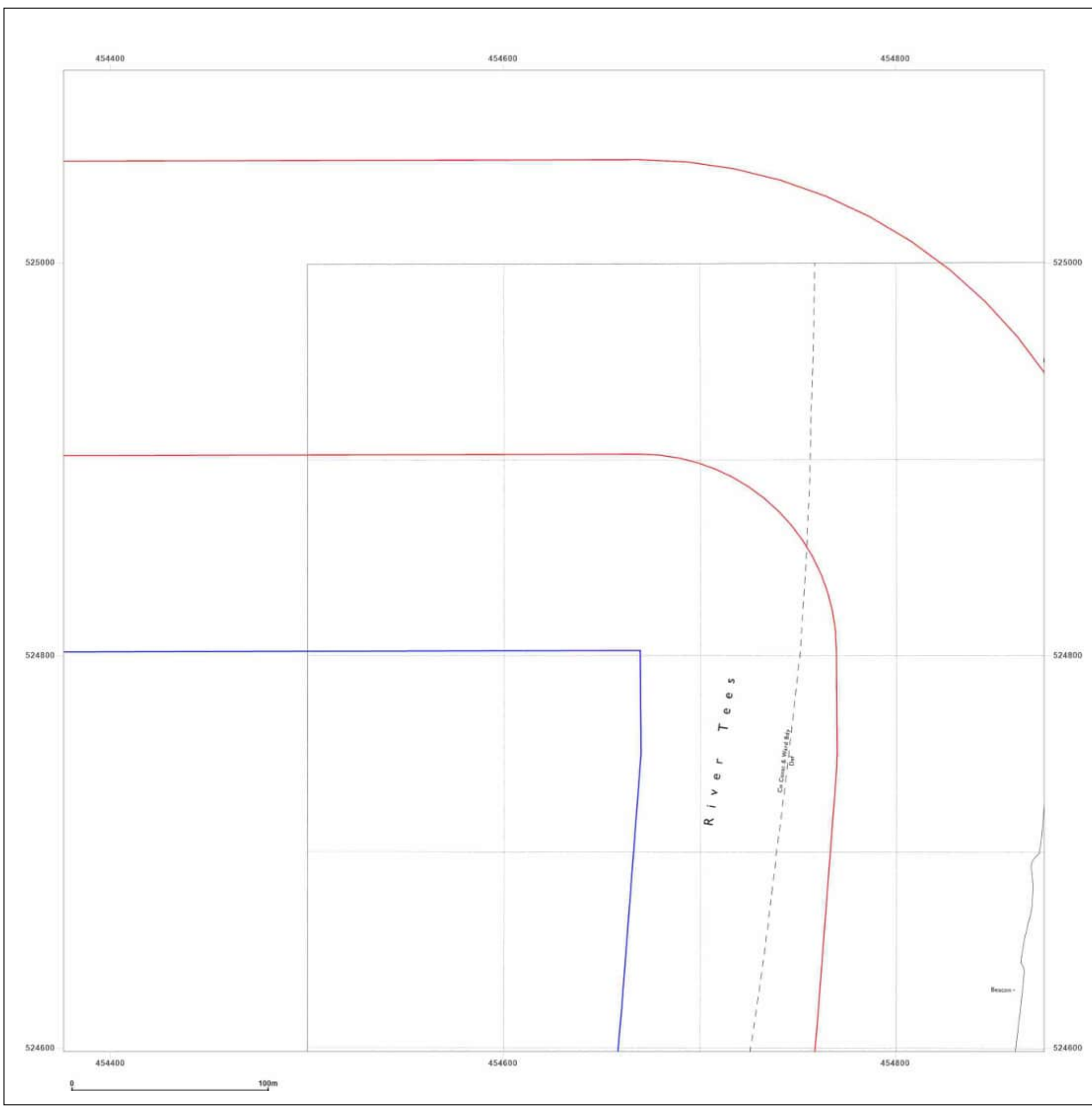


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**Map date:** 1970

**Scale:** 1:1,250

**Printed at:** 1:2,000



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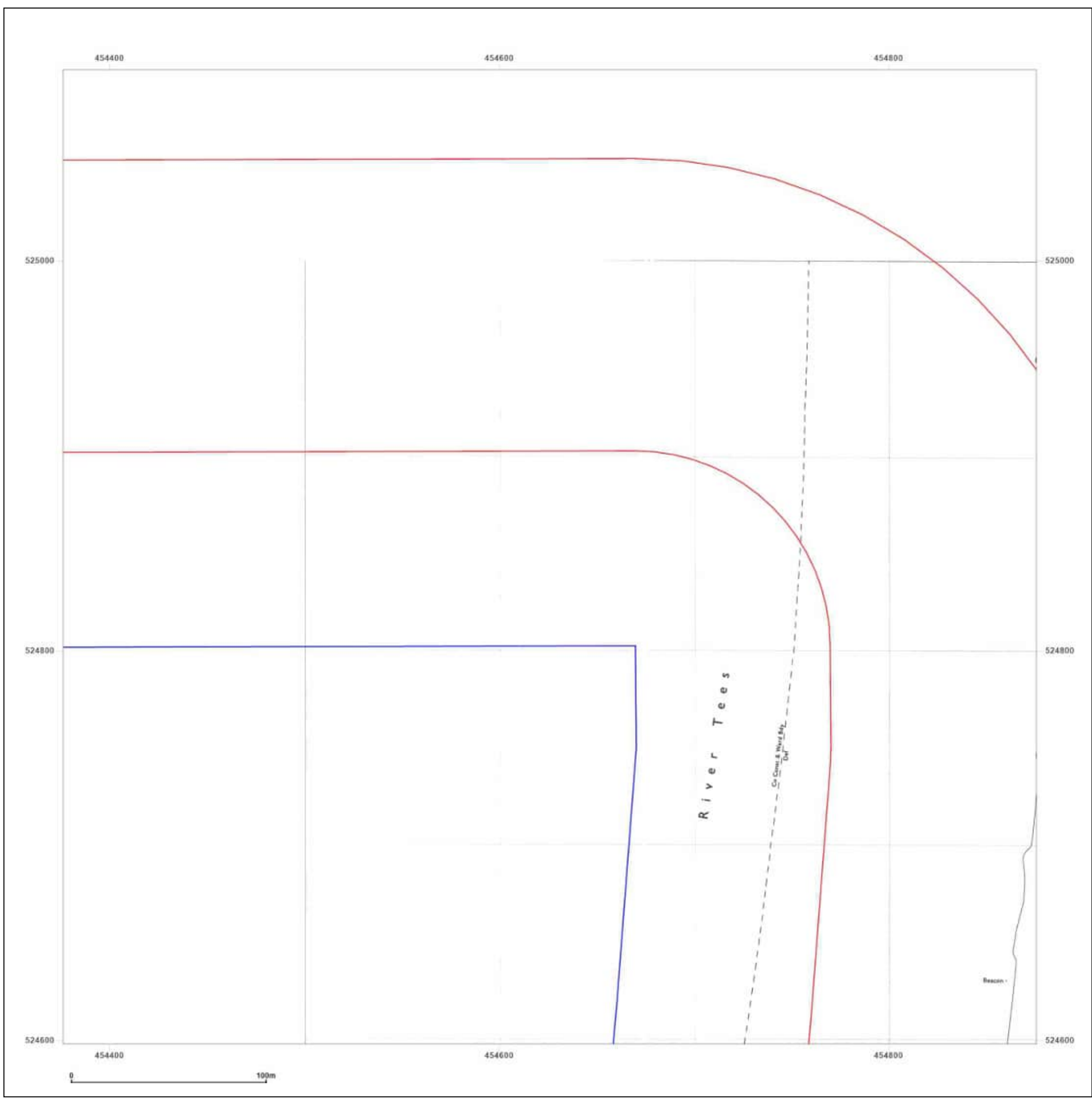


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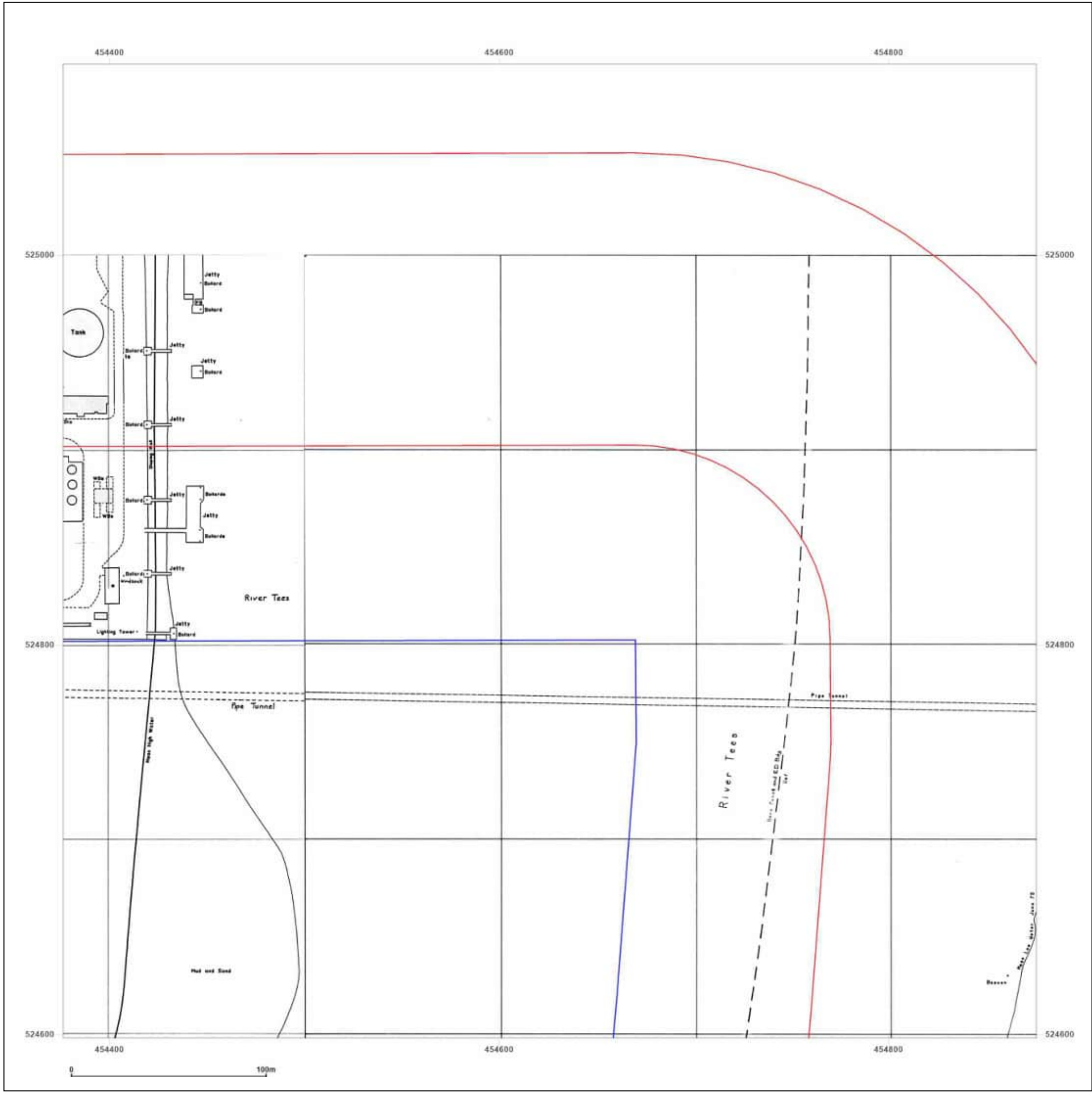
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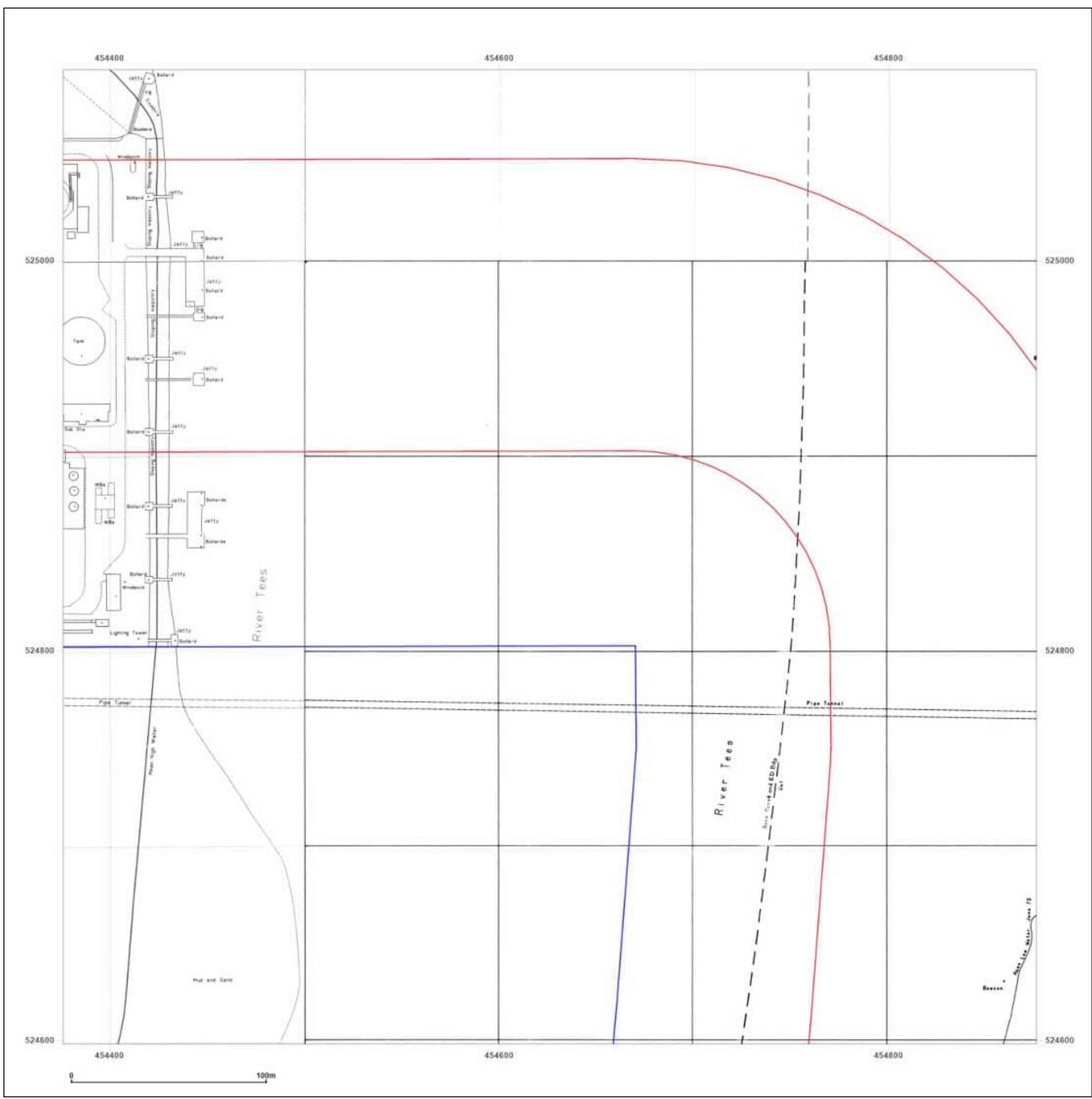
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**Map date:** 1993

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1993  
 Revised 1993  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

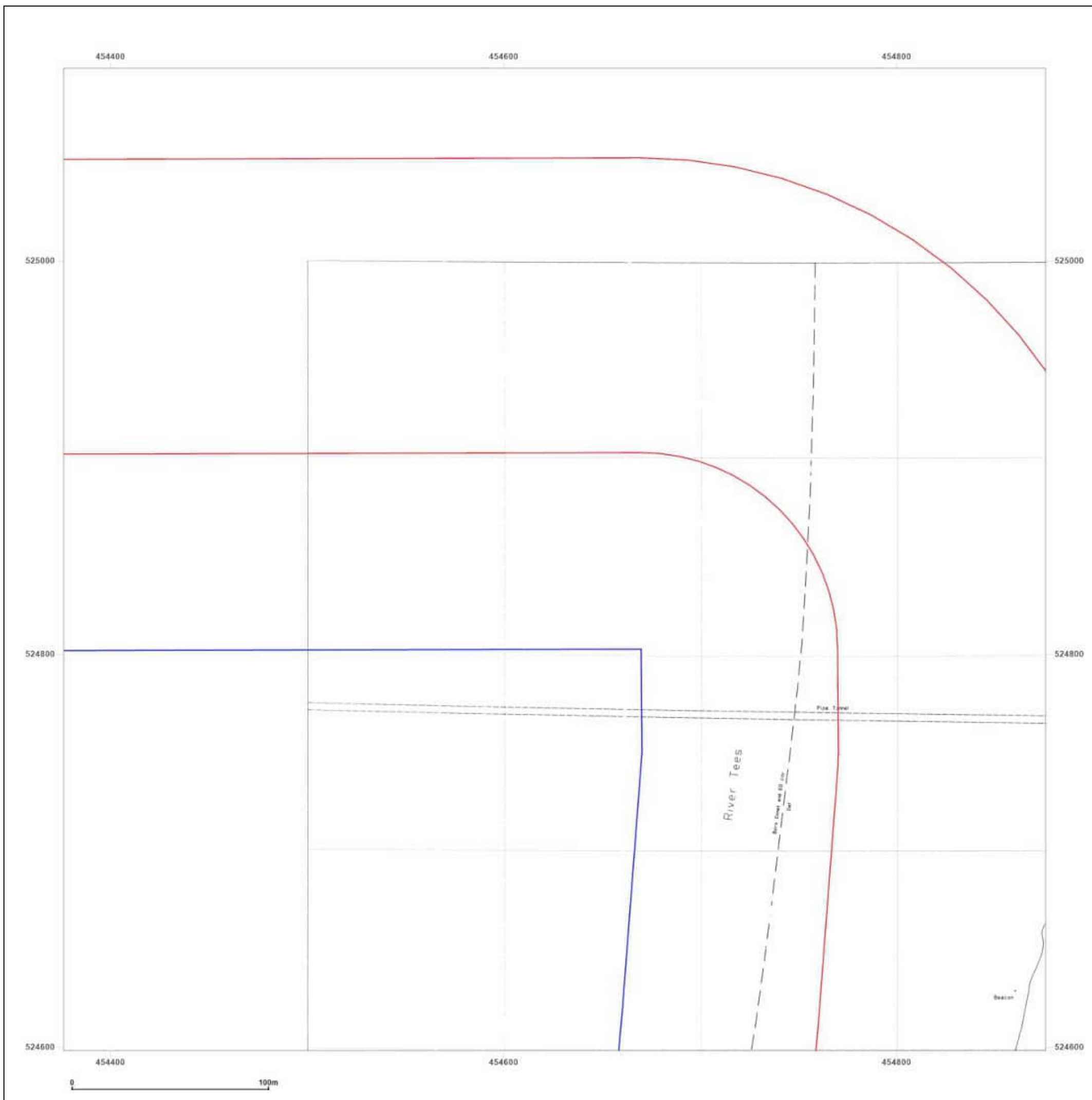


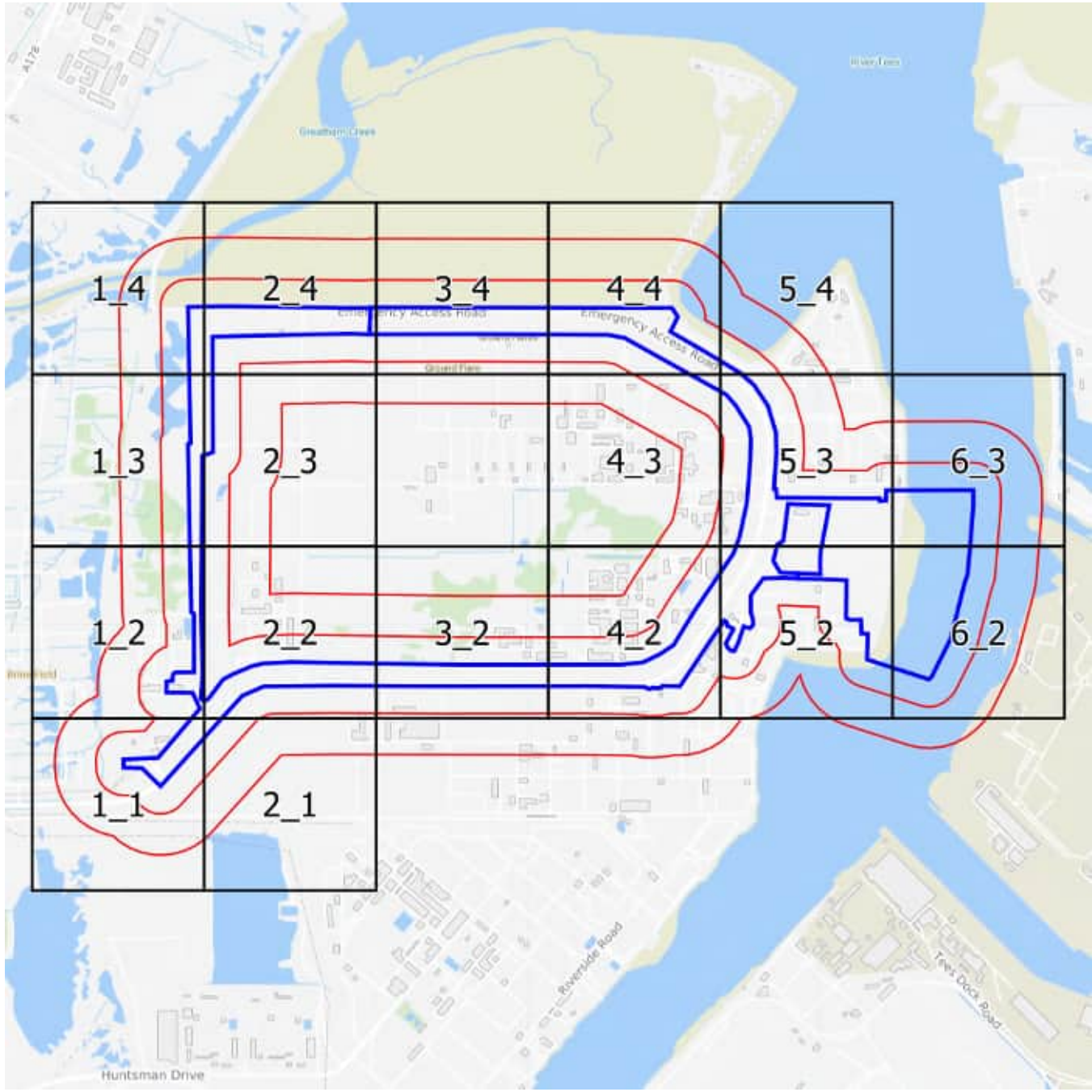
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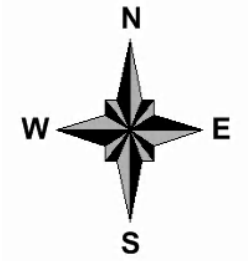
Production date: 01 February 2024

Map legend available at:  
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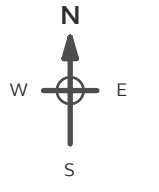
1:2,500 Scale Grid Index



**Site Details:**  
WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** County Series  
**Map date:** 1856  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



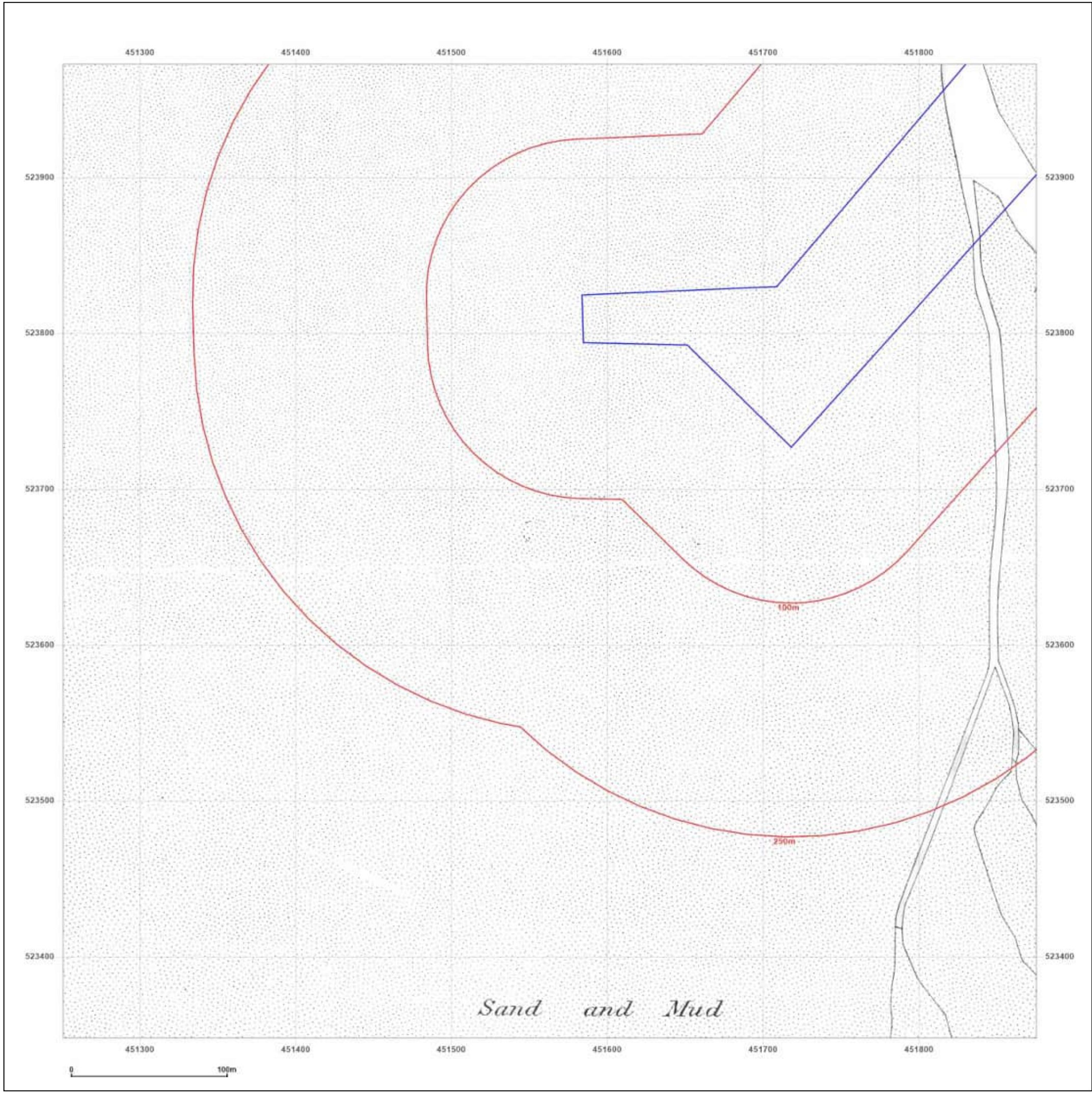
Surveyed 1856  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** County Series

**Map date:** 1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1898  
 Revised 1896  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

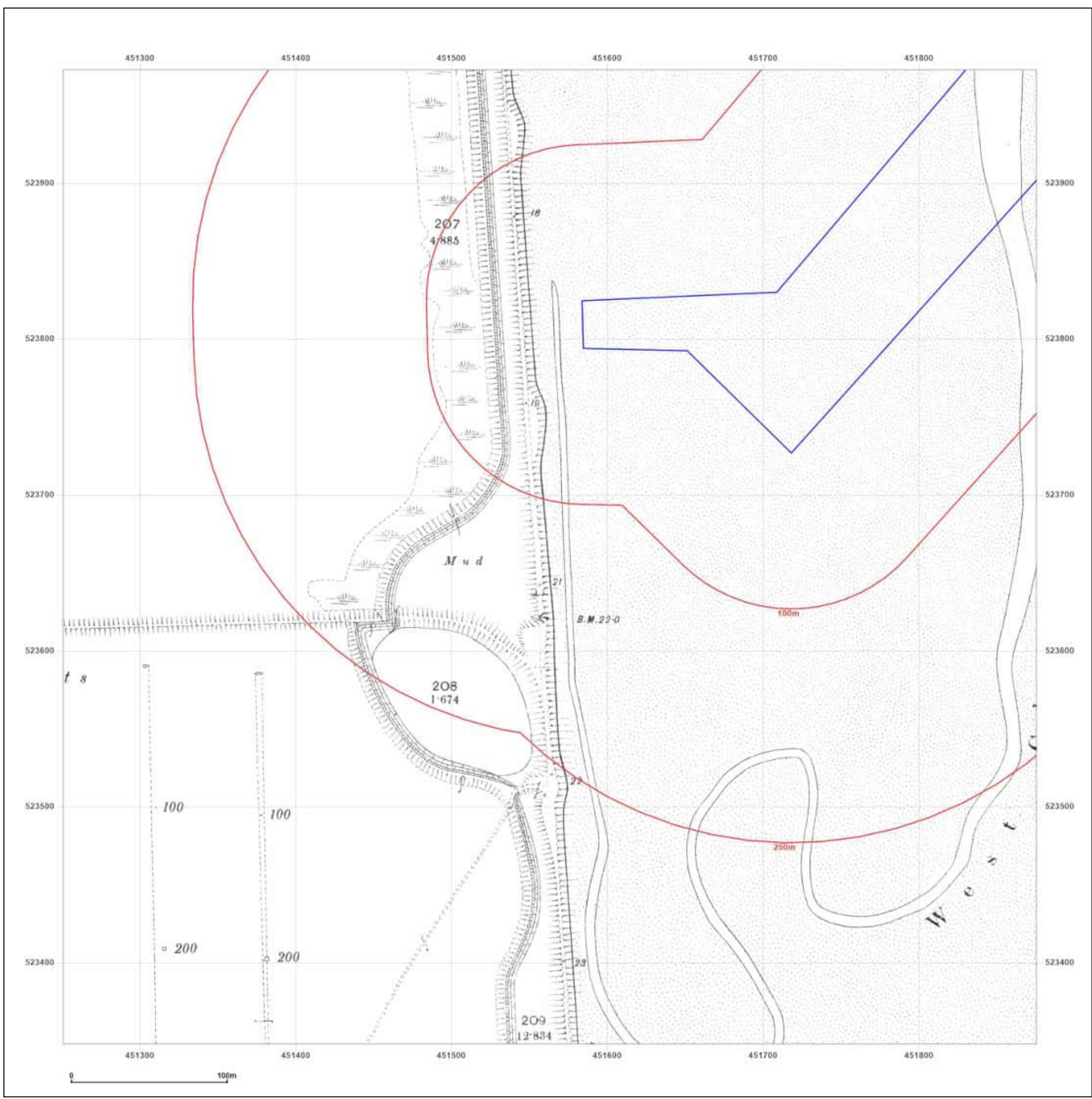


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

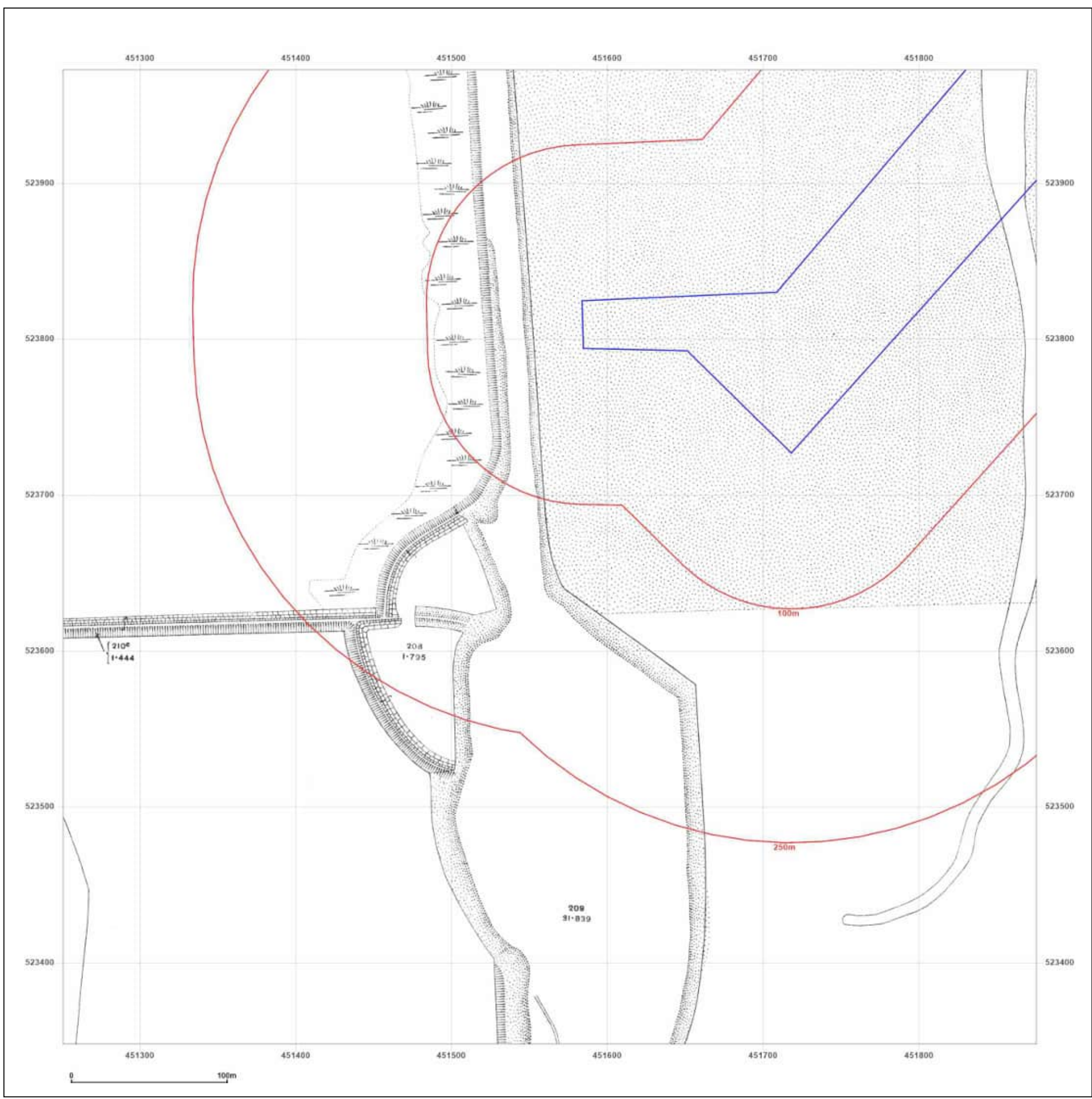


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

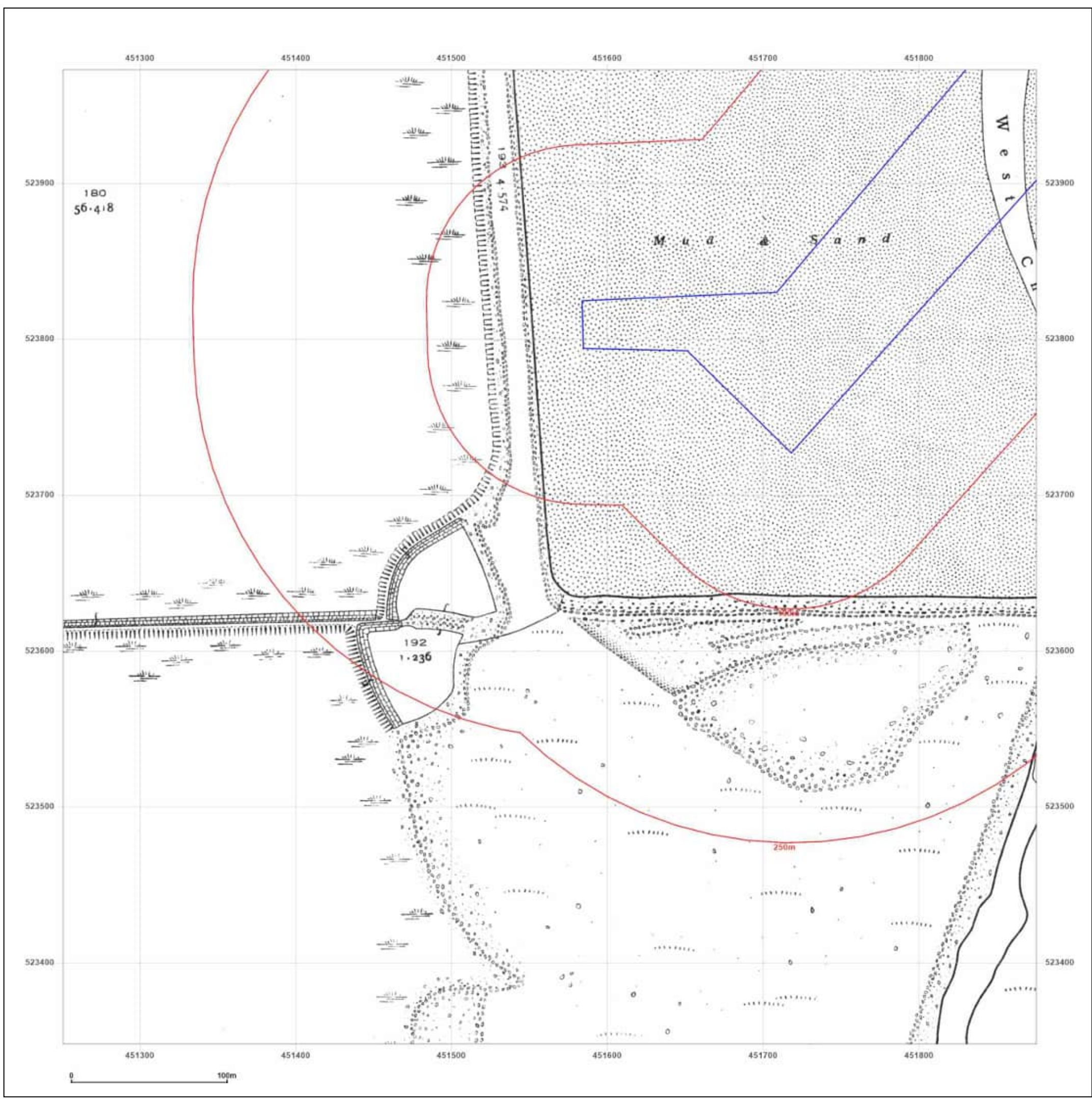


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** National Grid

**Map date:** 1967

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1969  
 Levelled 1959

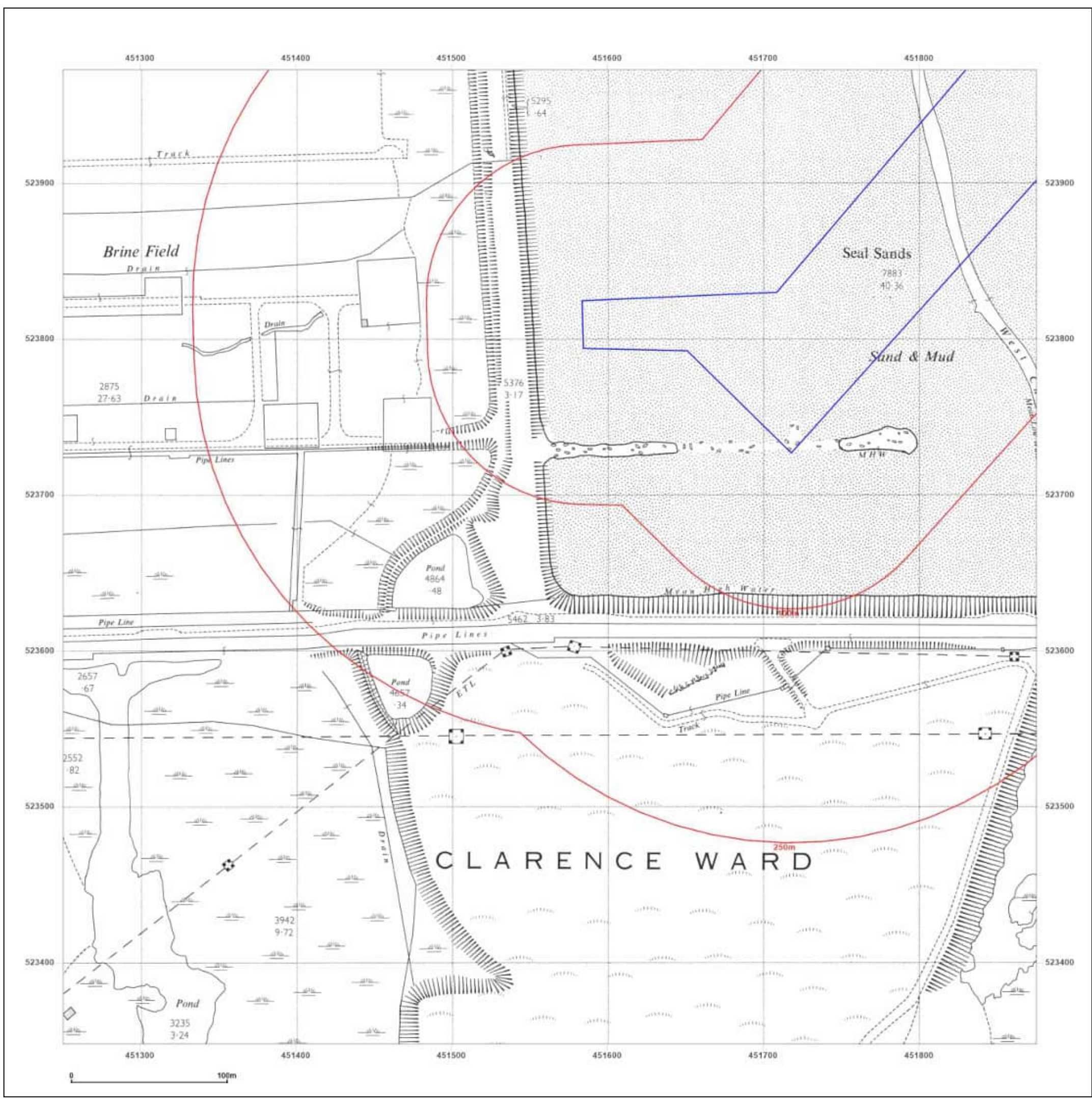


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**Site Details:**

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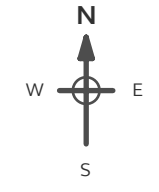
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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** National Grid

**Map date:** 1978

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1978  
 Revised 1978  
 Edition N/A  
 Copyright 1979  
 Levelled 1959

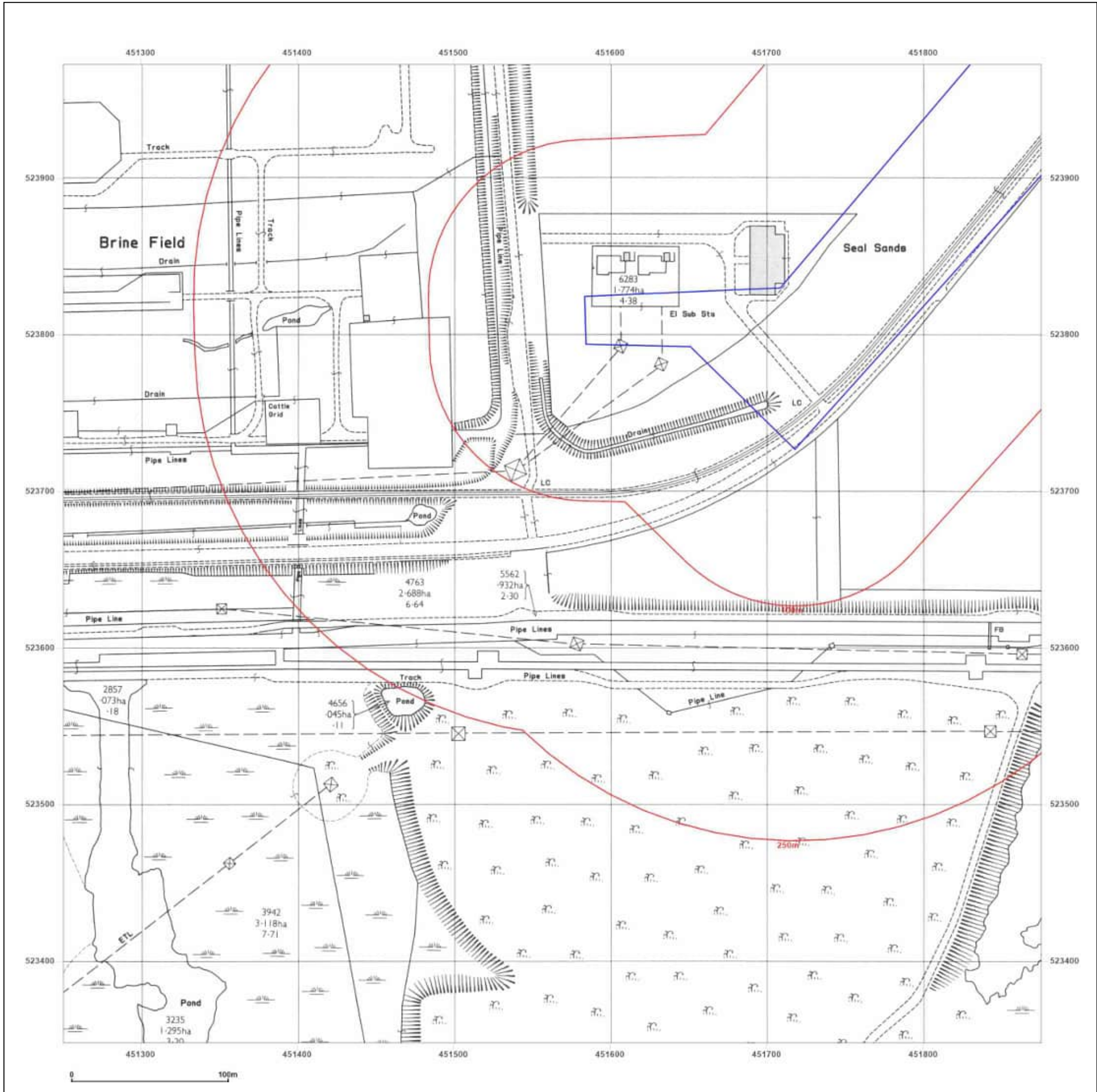


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_1  
**Grid Ref:** 451563, 523660

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1993  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

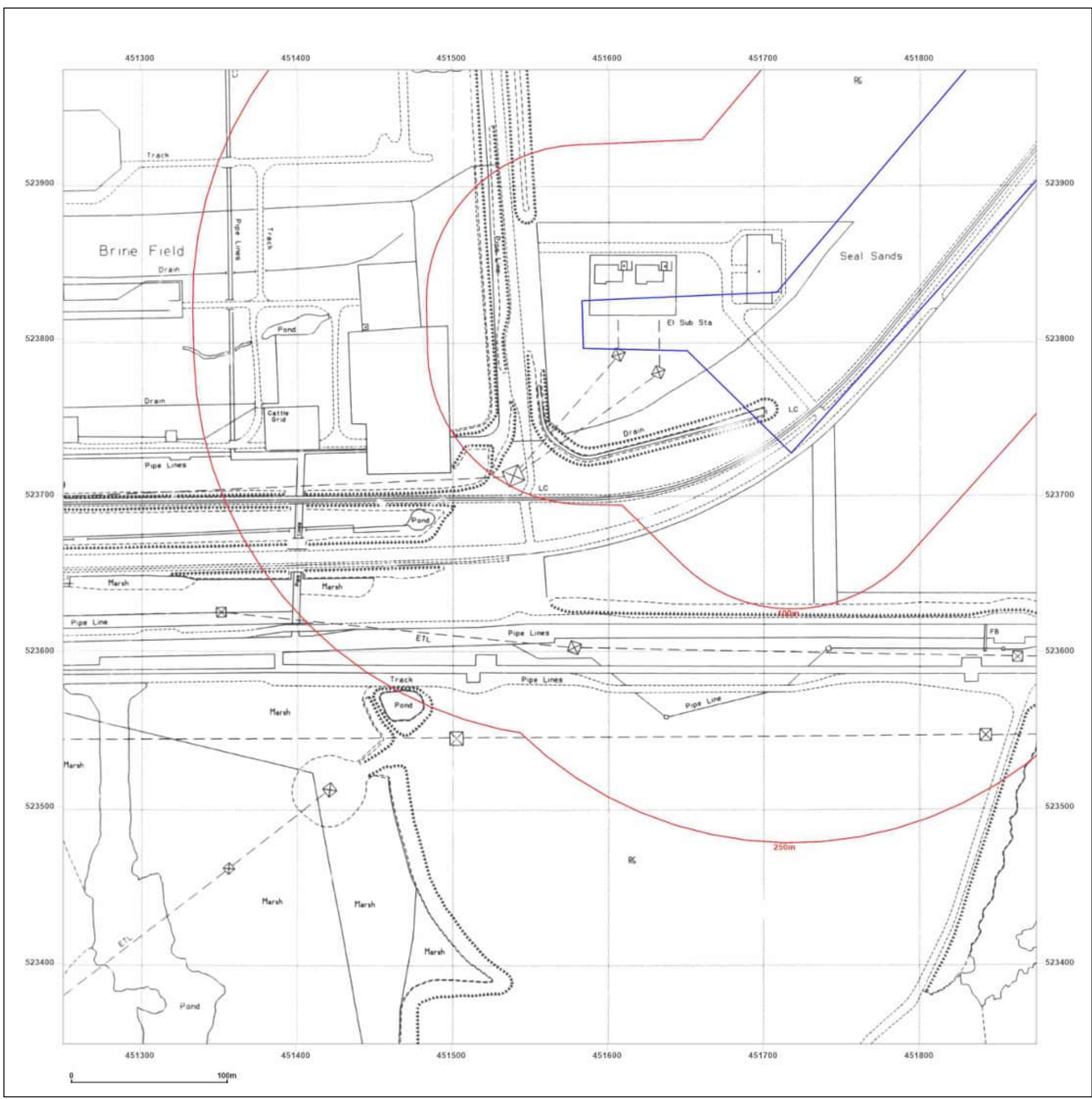


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** County Series

**Map date:** 1856-1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1856  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

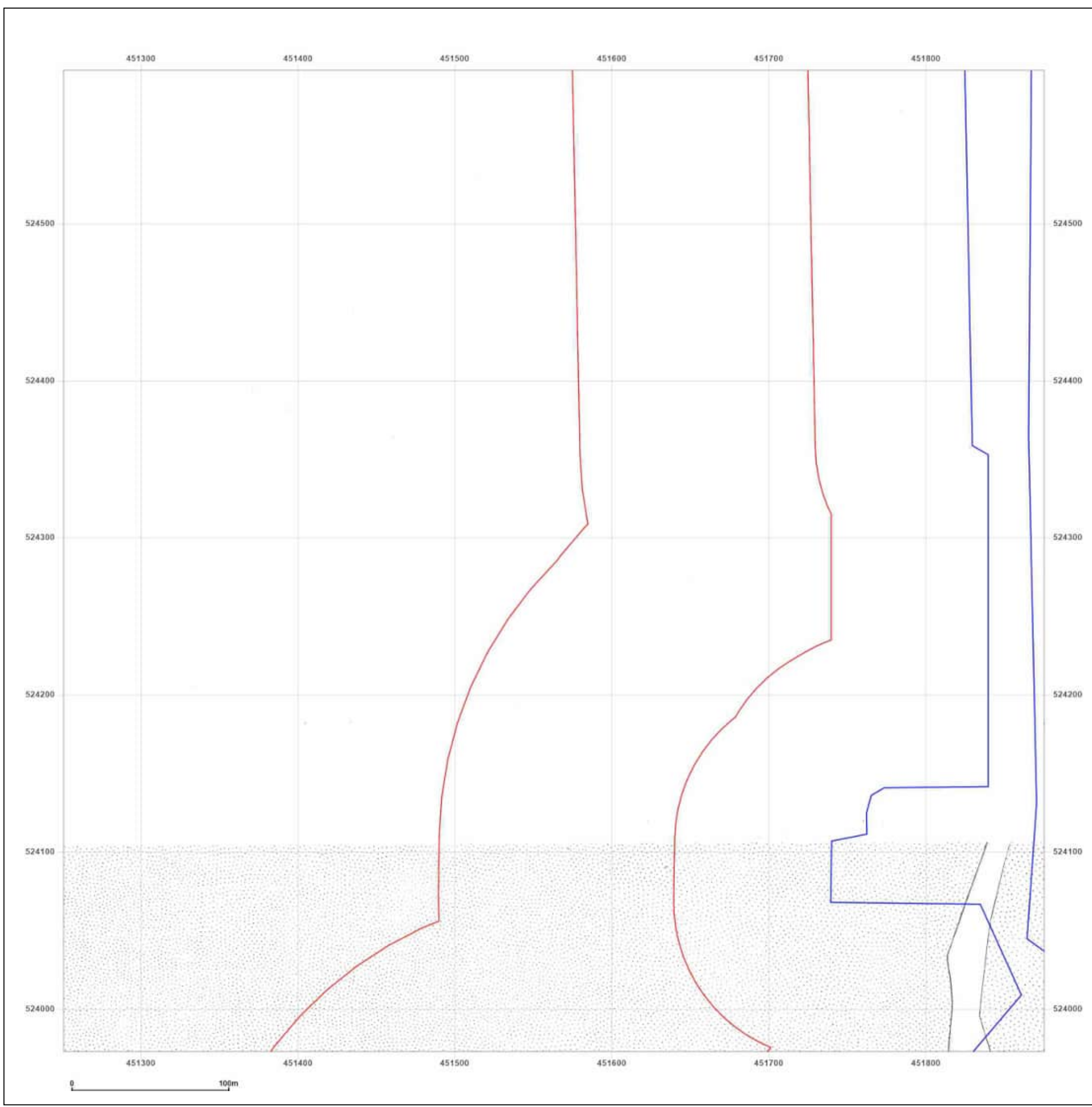


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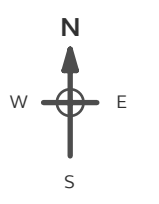
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**Site Details:**  
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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** County Series  
**Map date:** 1857  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed 1857  
Revised 1857  
Edition N/A  
Copyright N/A  
Levelled N/A

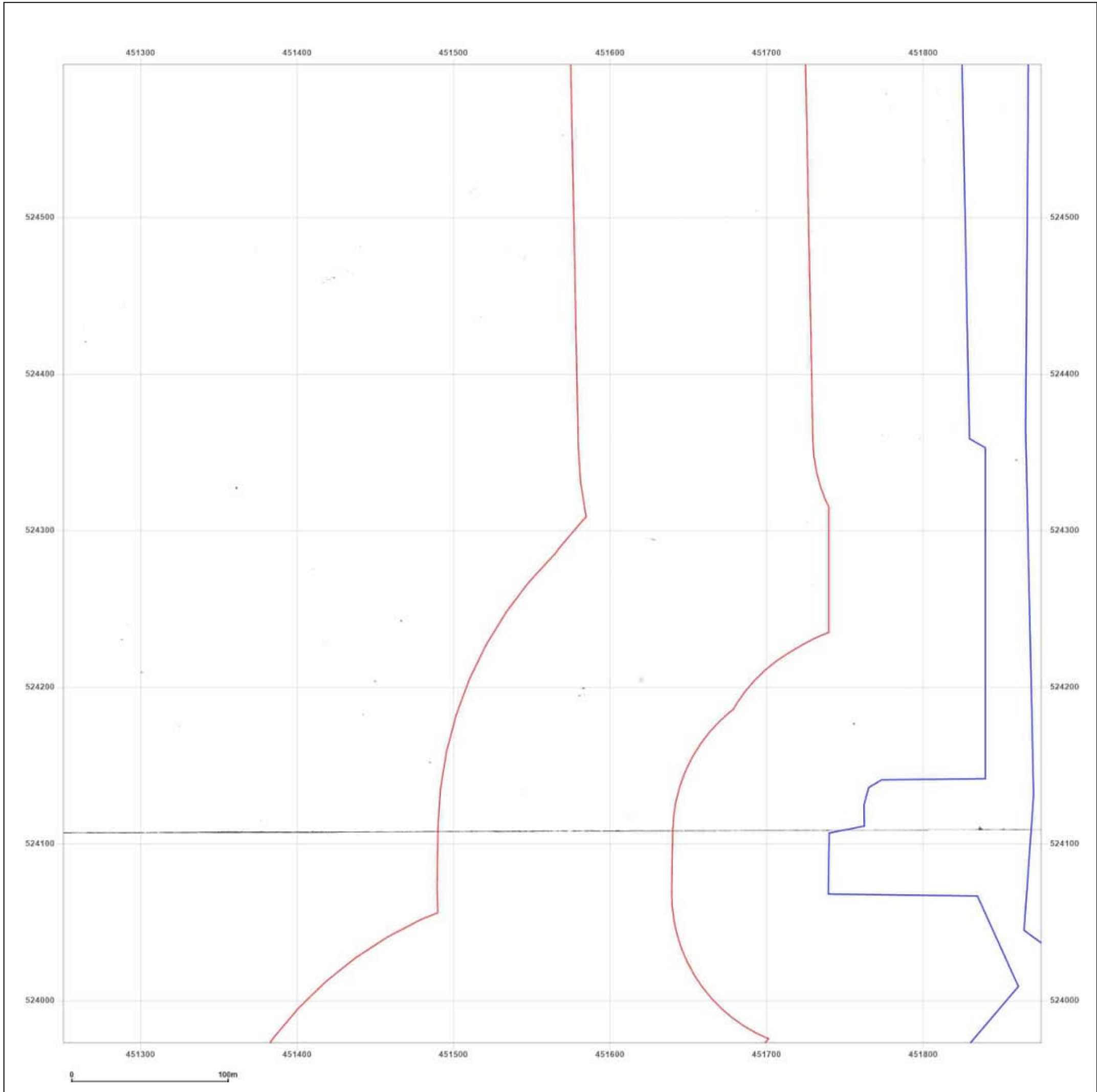


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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** County Series

**Map date:** 1897-1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

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 Revised 1898  
 Edition N/A  
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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

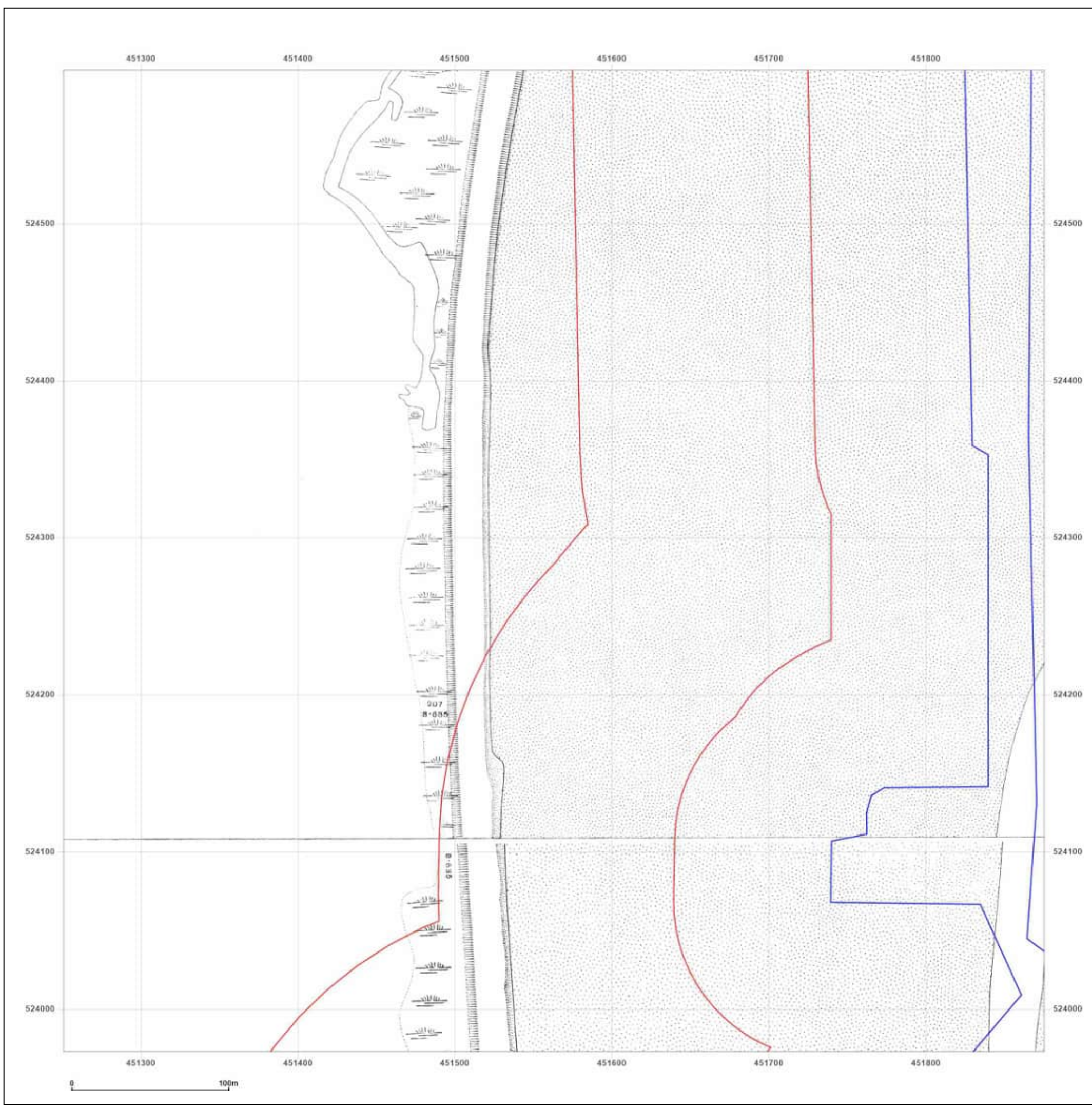


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Map Name:** National Grid

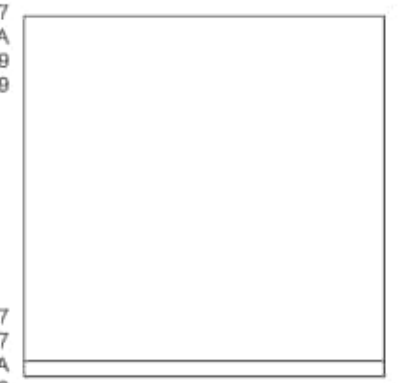
**Map date:** 1967

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1969  
 Levelled 1959



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1969  
 Levelled 1959

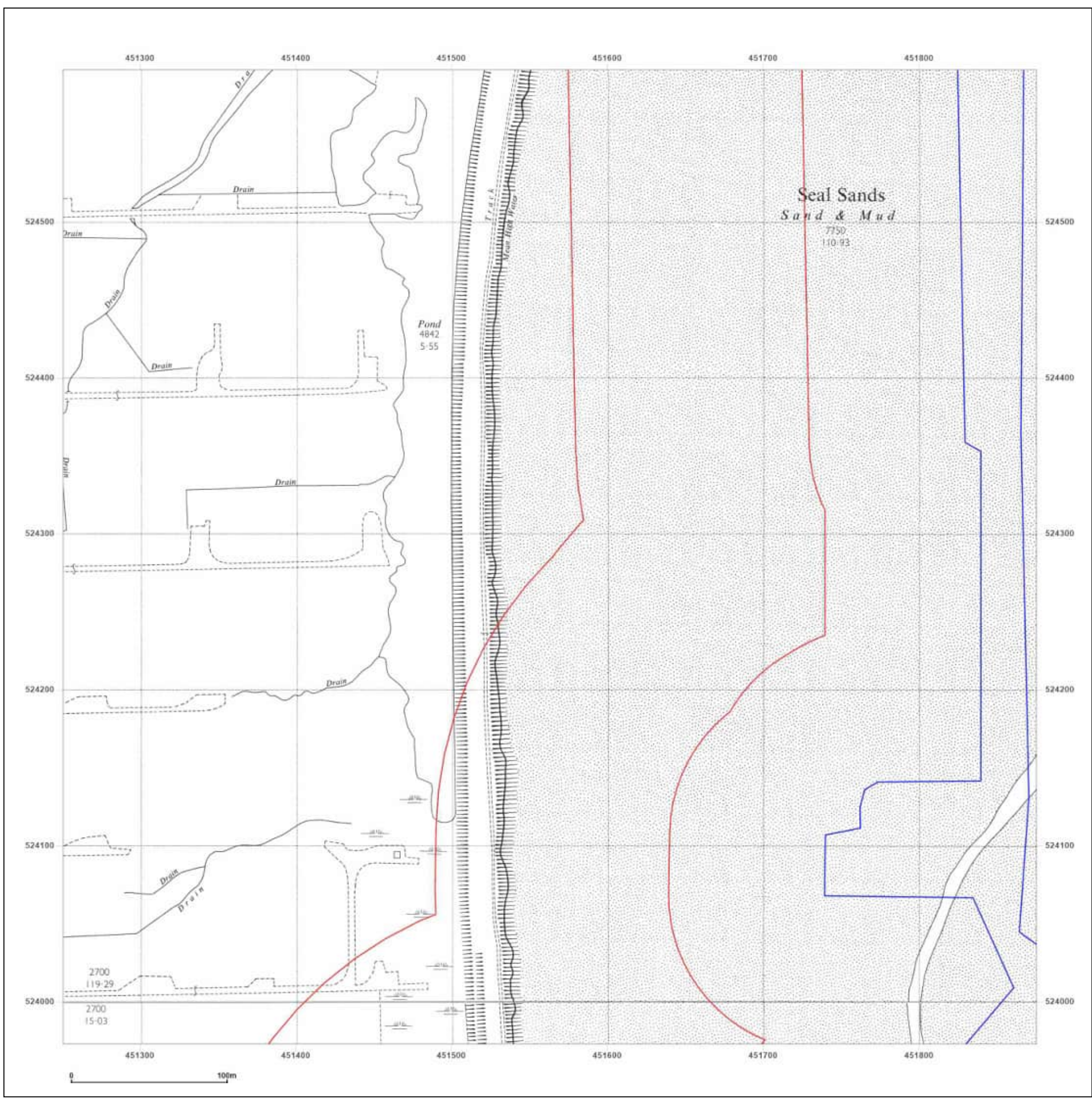


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** National Grid

**Map date:** 1984

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1984  
 Revised 1984  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

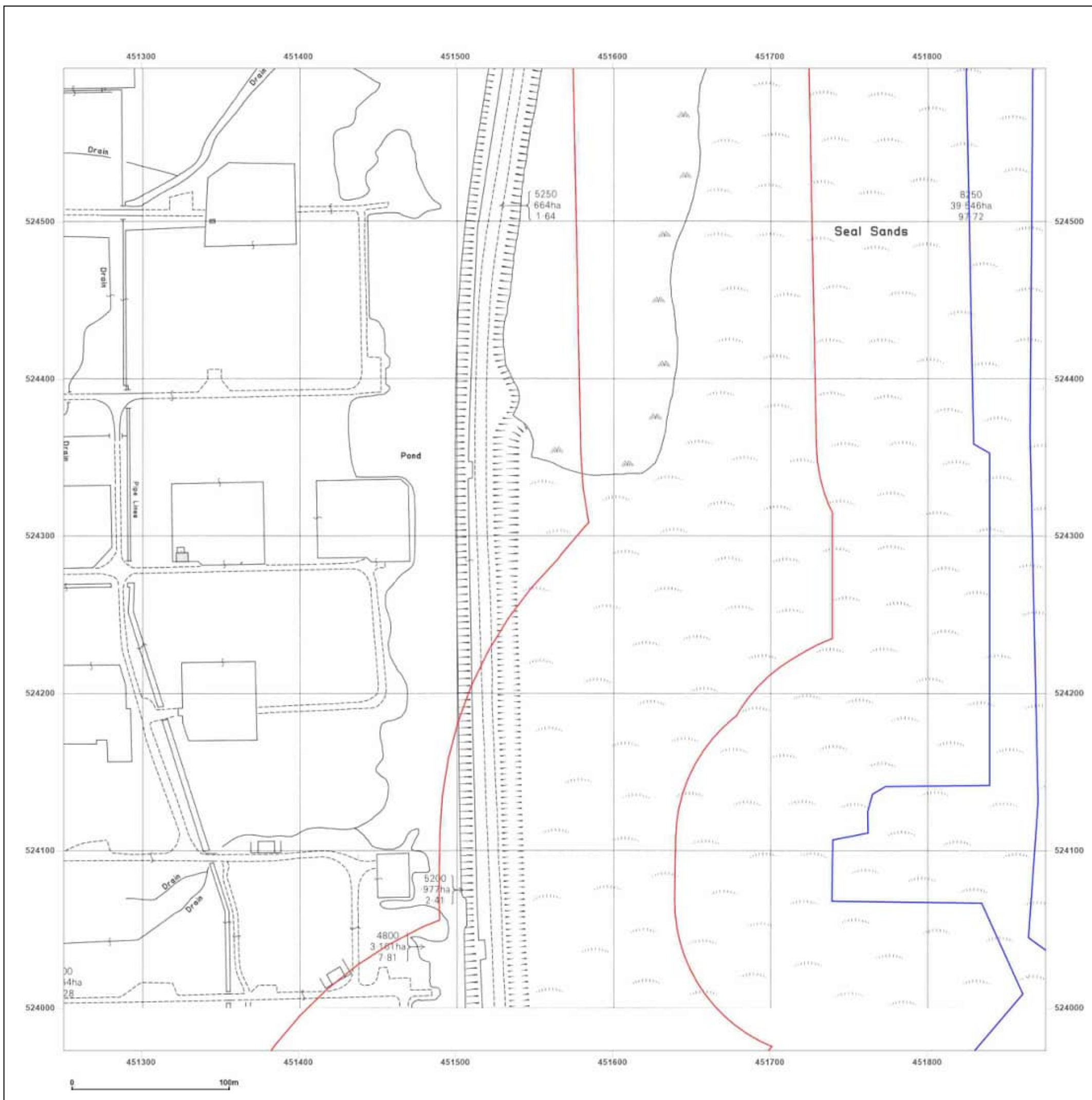


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
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**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

Surveyed 1993  
 Revised N/A  
 Edition N/A  
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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

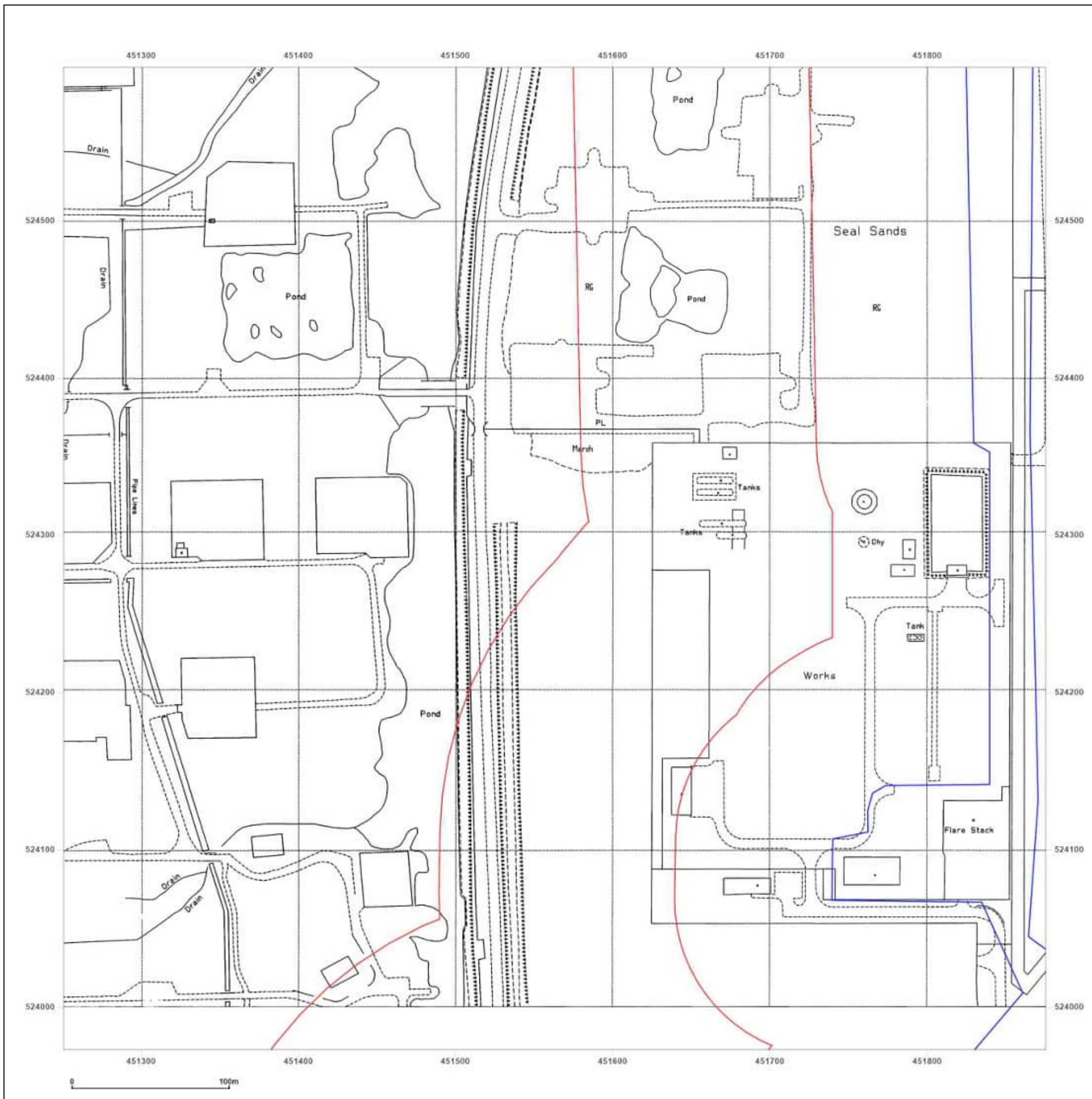


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_2  
**Grid Ref:** 451563, 524285

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

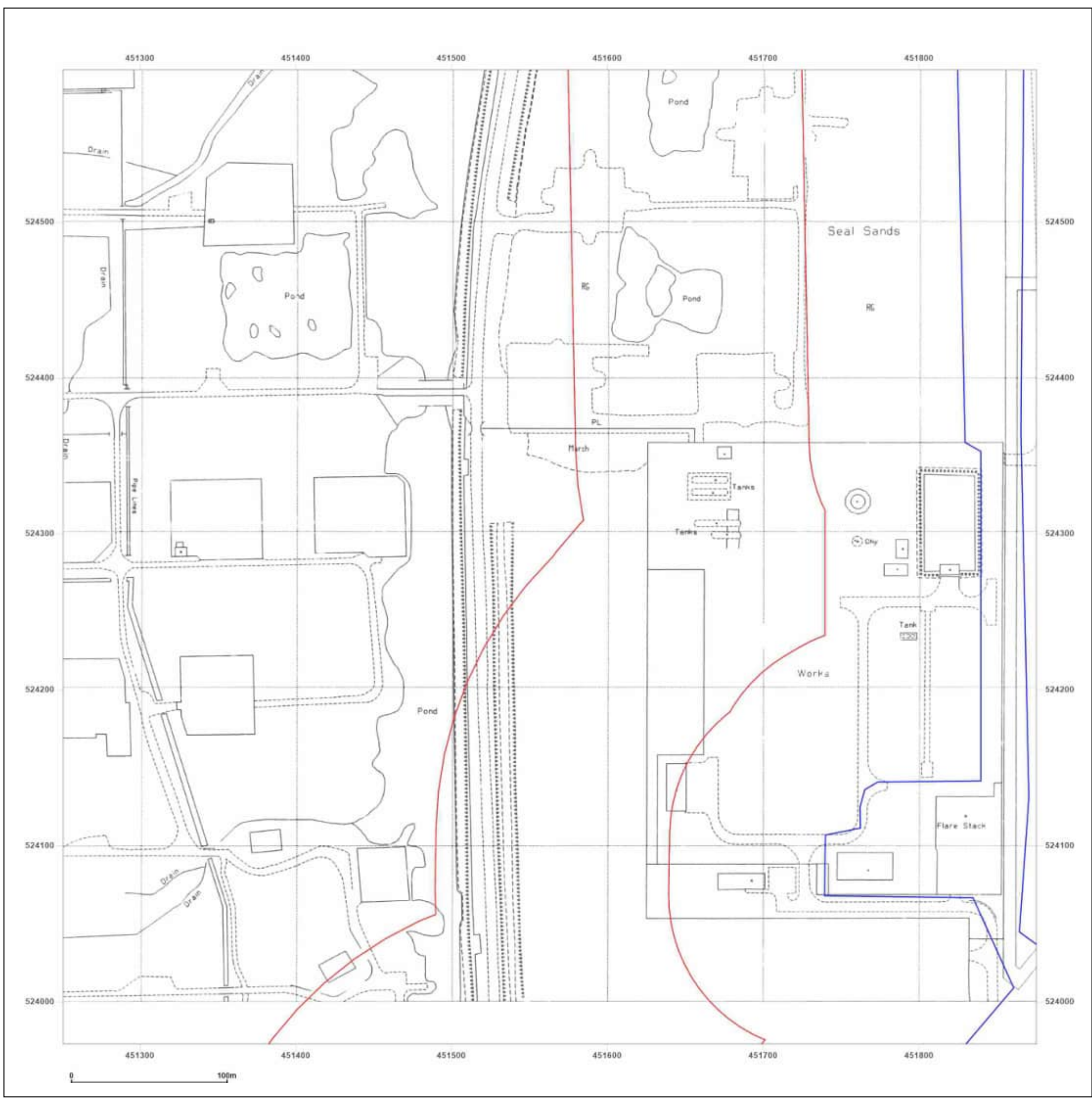


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** County Series

**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

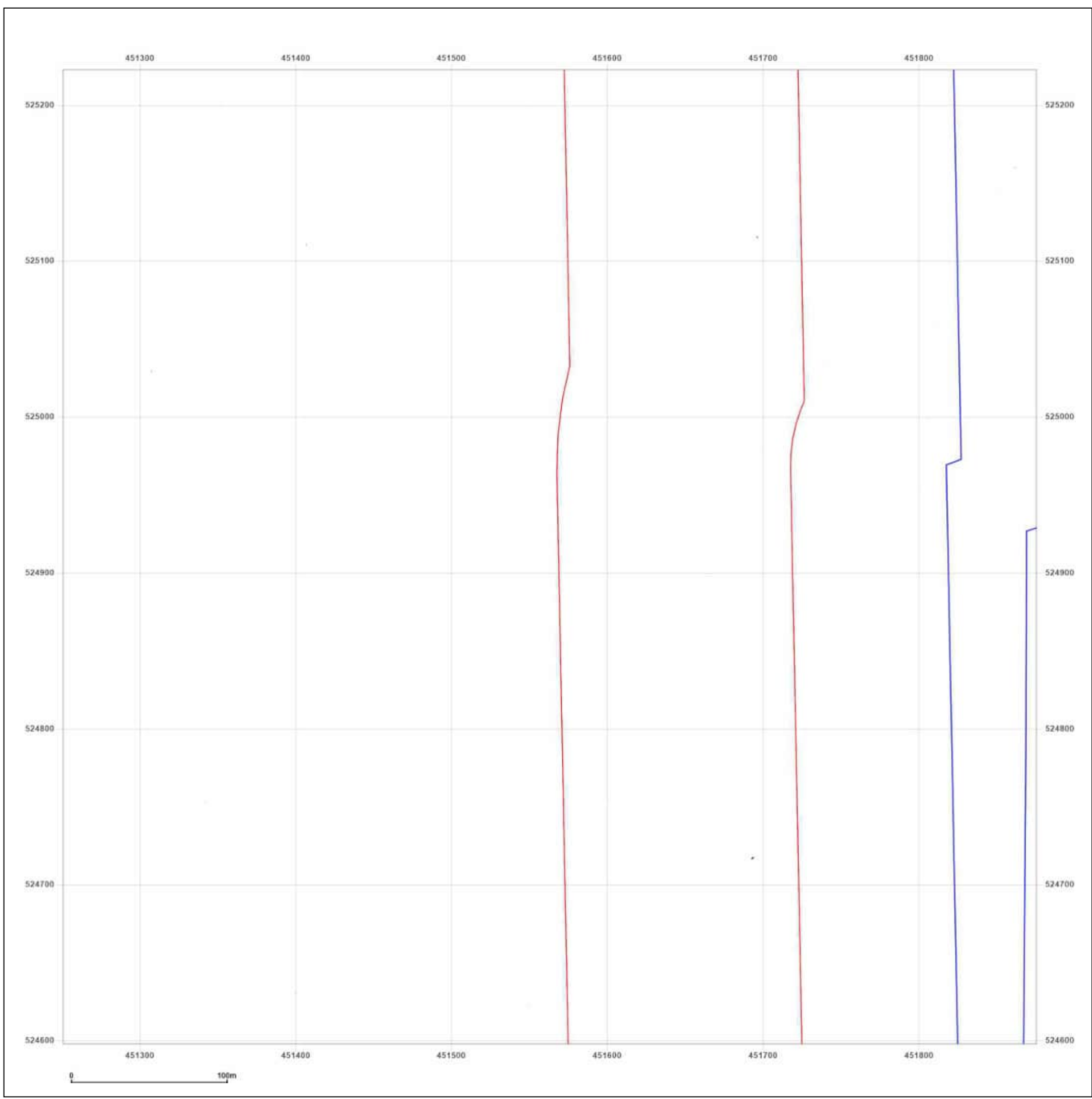


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** County Series

**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1857  
 Revised 1857  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

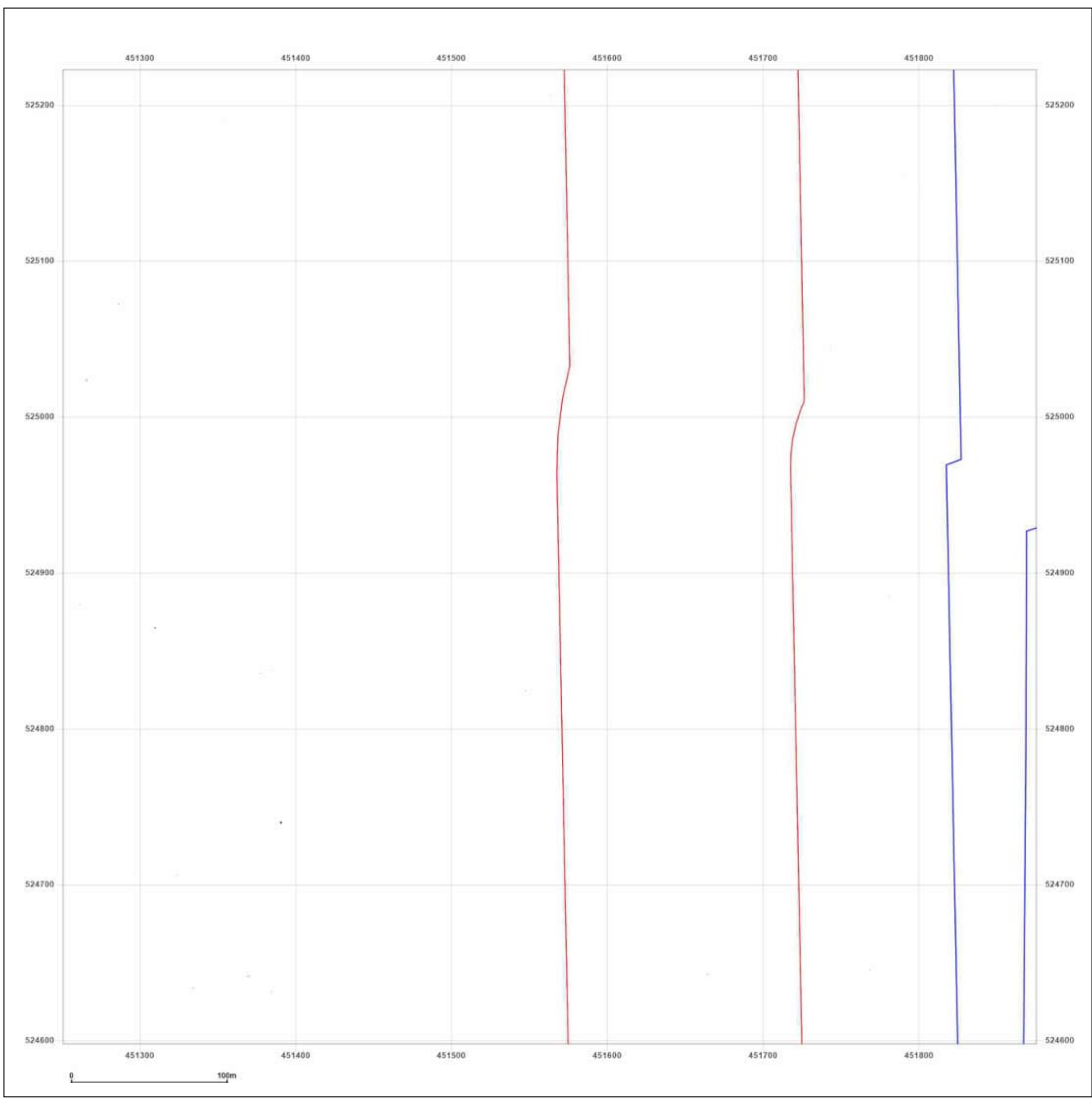


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

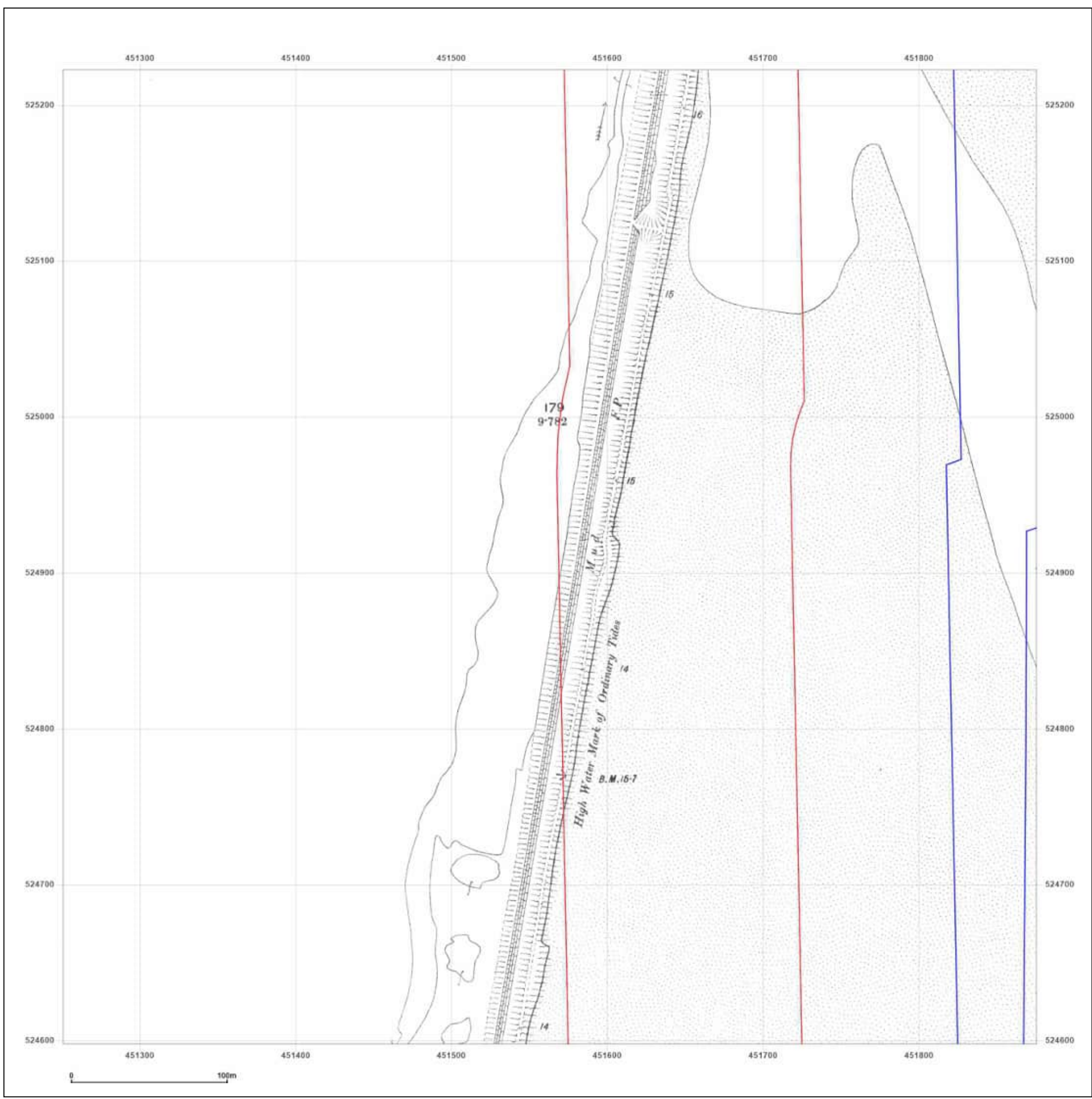


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

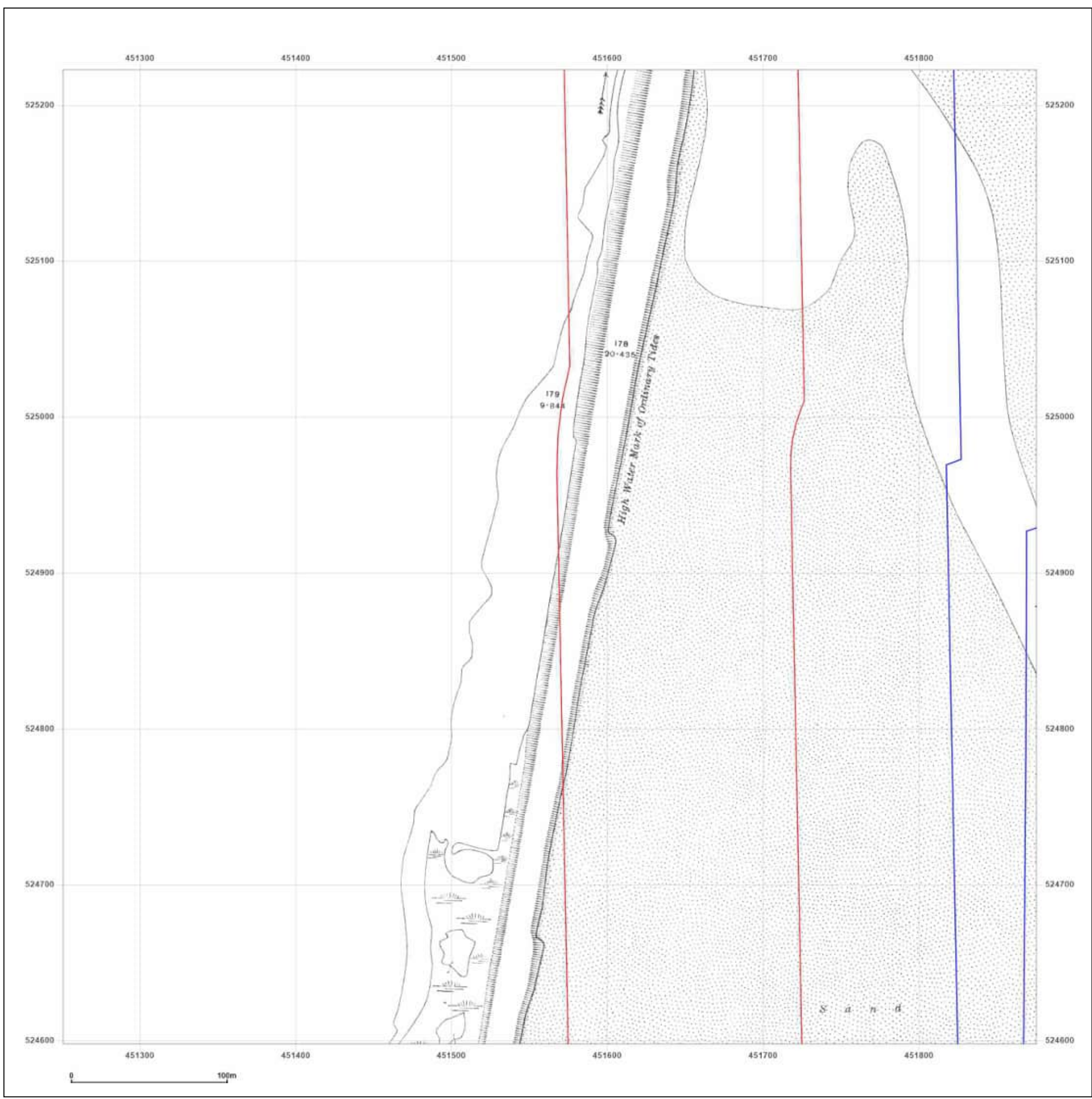


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

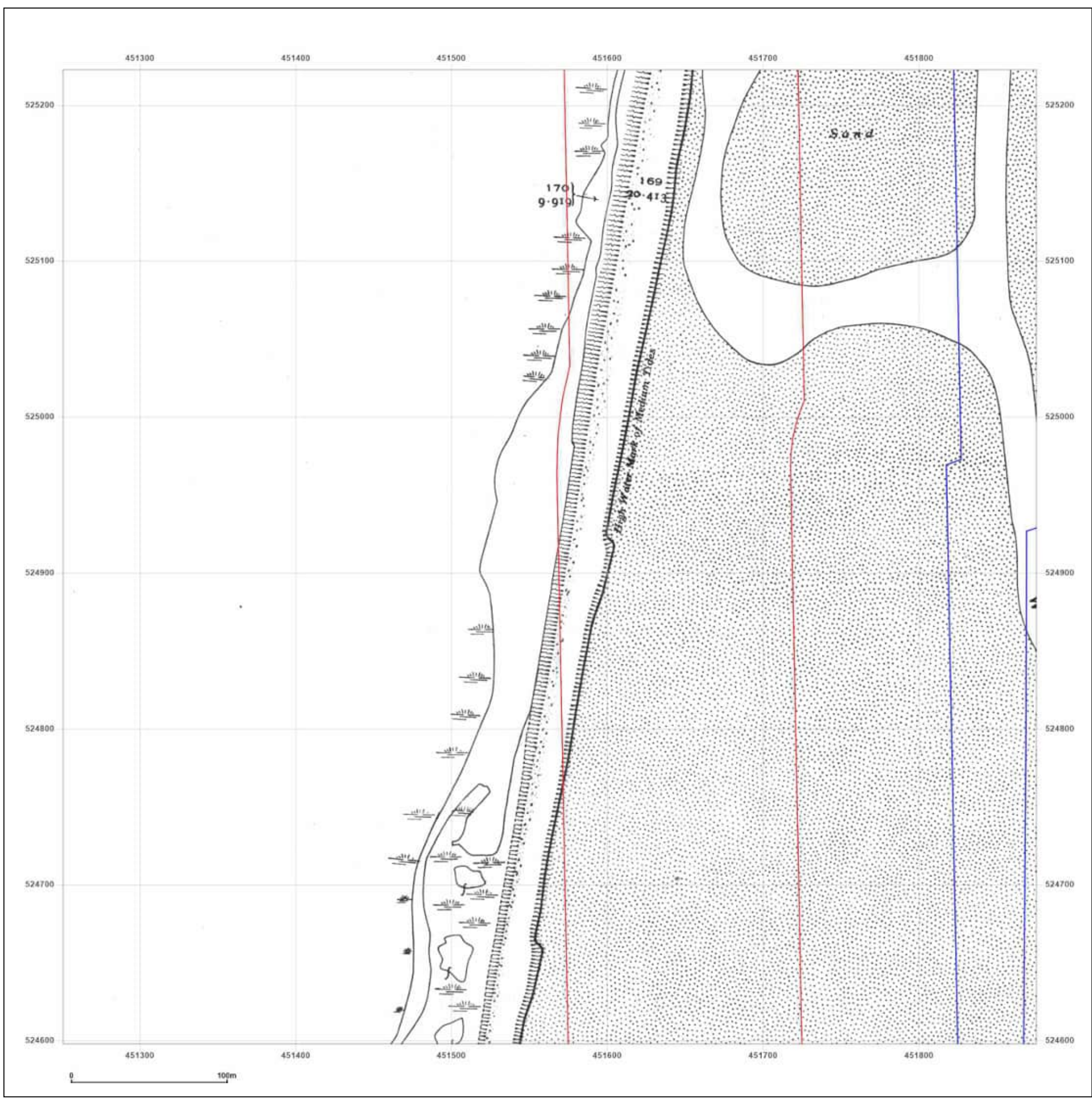


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** National Grid

**Map date:** 1967

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1967  
 Levelled 1959



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1969  
 Levelled 1959

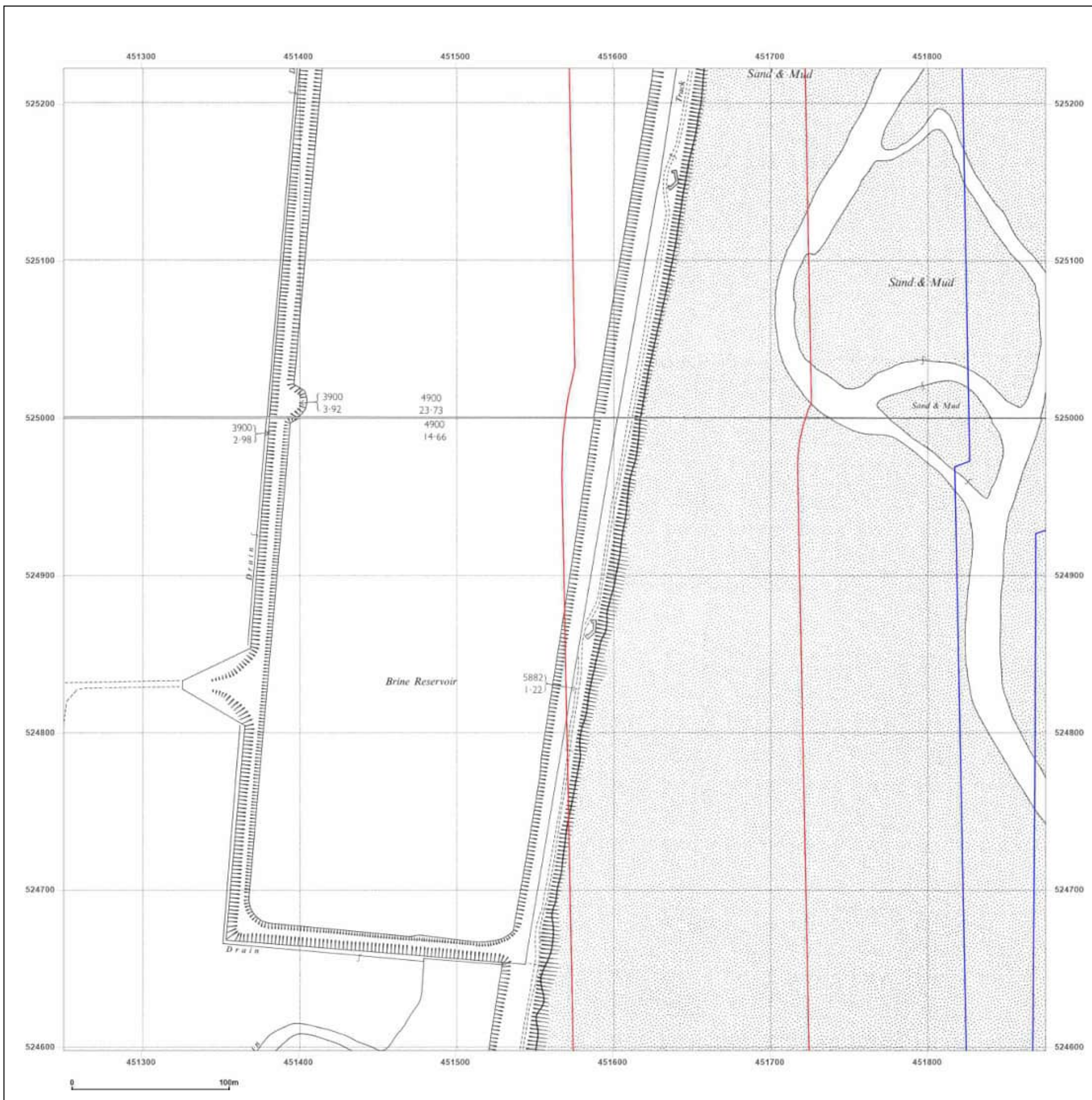


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_3  
**Grid Ref:** 451563, 524910

**Map Name:** National Grid

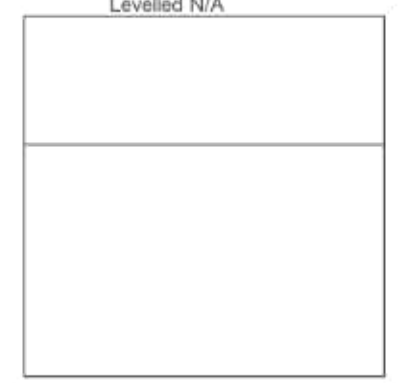
**Map date:** 1968

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**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

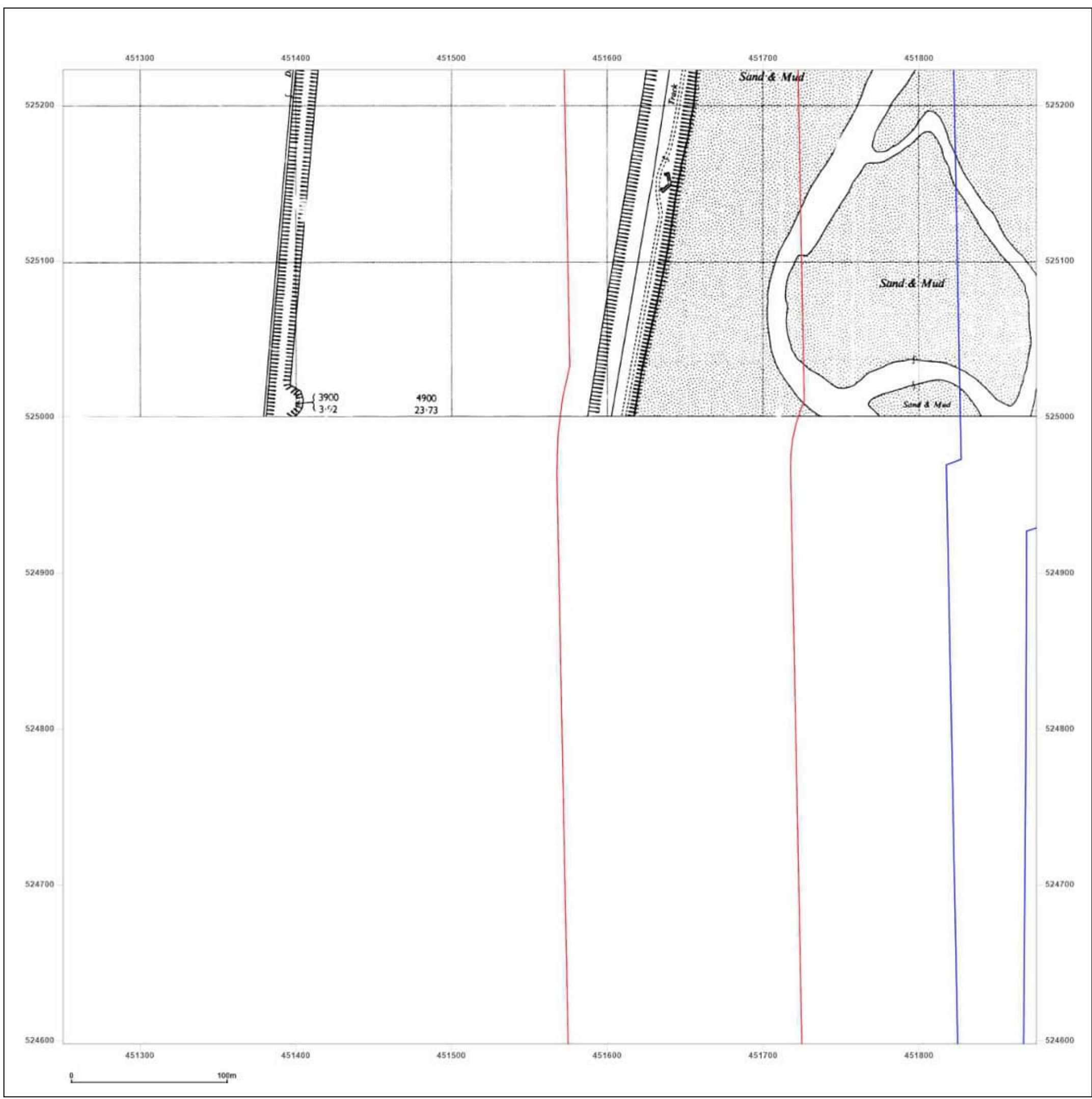


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** National Grid

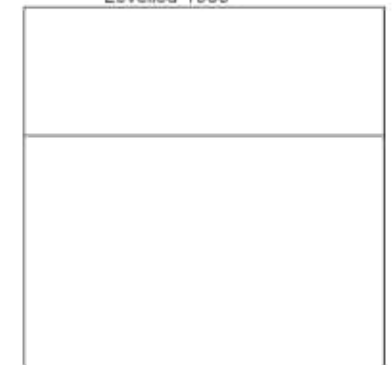
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

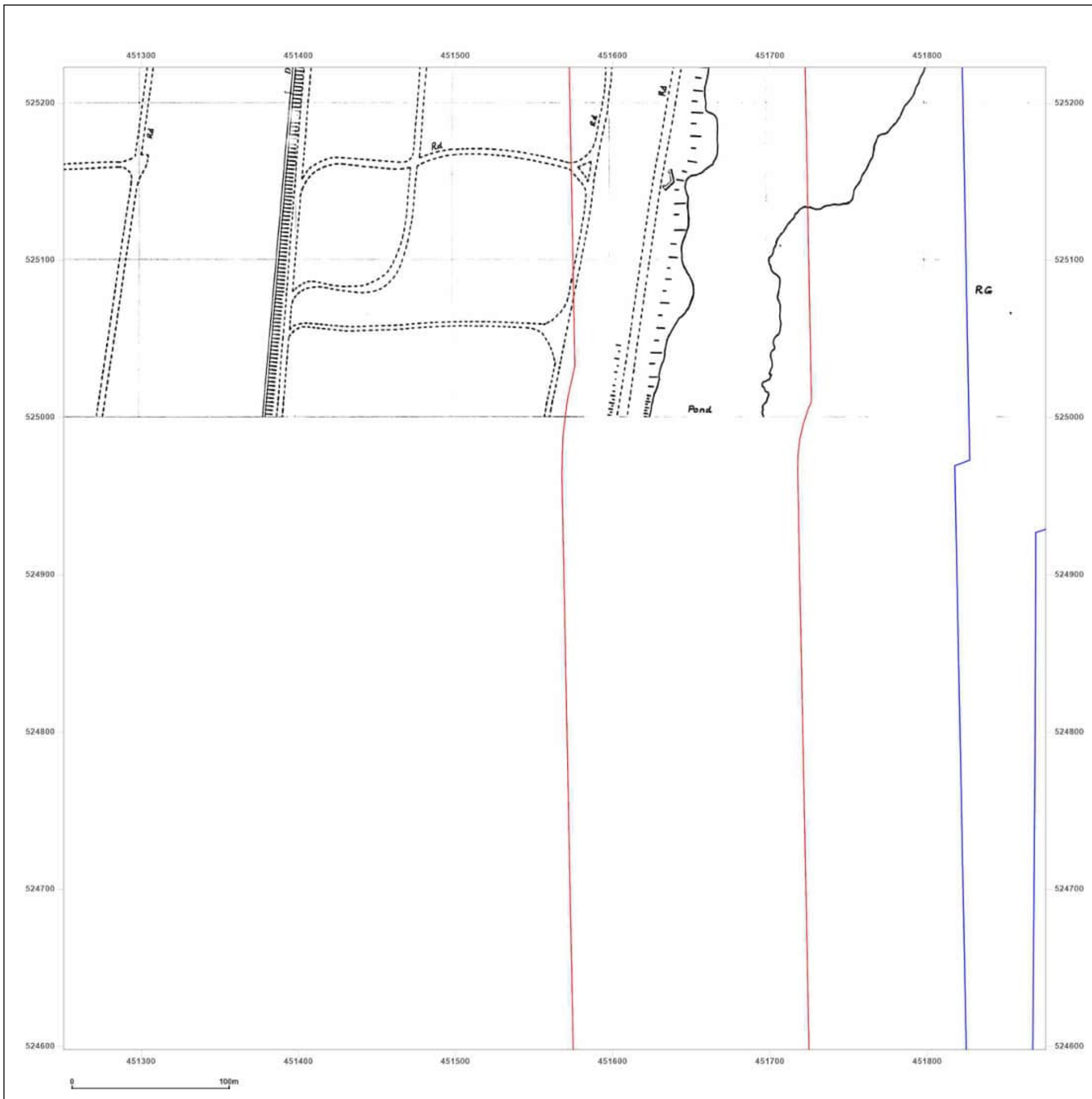


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**Site Details:**

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**Grid Ref:** 451563, 524910

**Map Name:** National Grid

**Map date:** 1984-1985

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

Surveyed 1984  
 Revised 1984  
 Edition N/A  
 Copyright 1985  
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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
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 Revised N/A  
 Edition N/A  
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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
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**Map Name:** National Grid

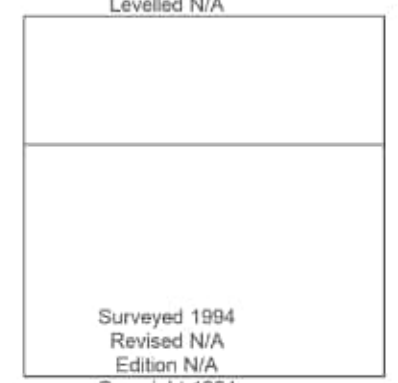
**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A



Surveyed 1994  
 Revised N/A  
 Edition N/A  
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**Site Details:**

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**Grid Ref:** 451563, 524910

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



<p>Surveyed 1994                  Revised 1994                  Edition N/A                  Copyright 1994                  Levelled N/A</p>
<p>Surveyed N/A                  Revised N/A                  Edition N/A                  Copyright N/A                  Levelled N/A</p>



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_4  
**Grid Ref:** 451563, 525535

**Map Name:** County Series

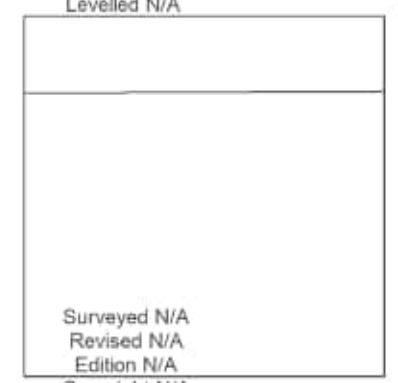
**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1857  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

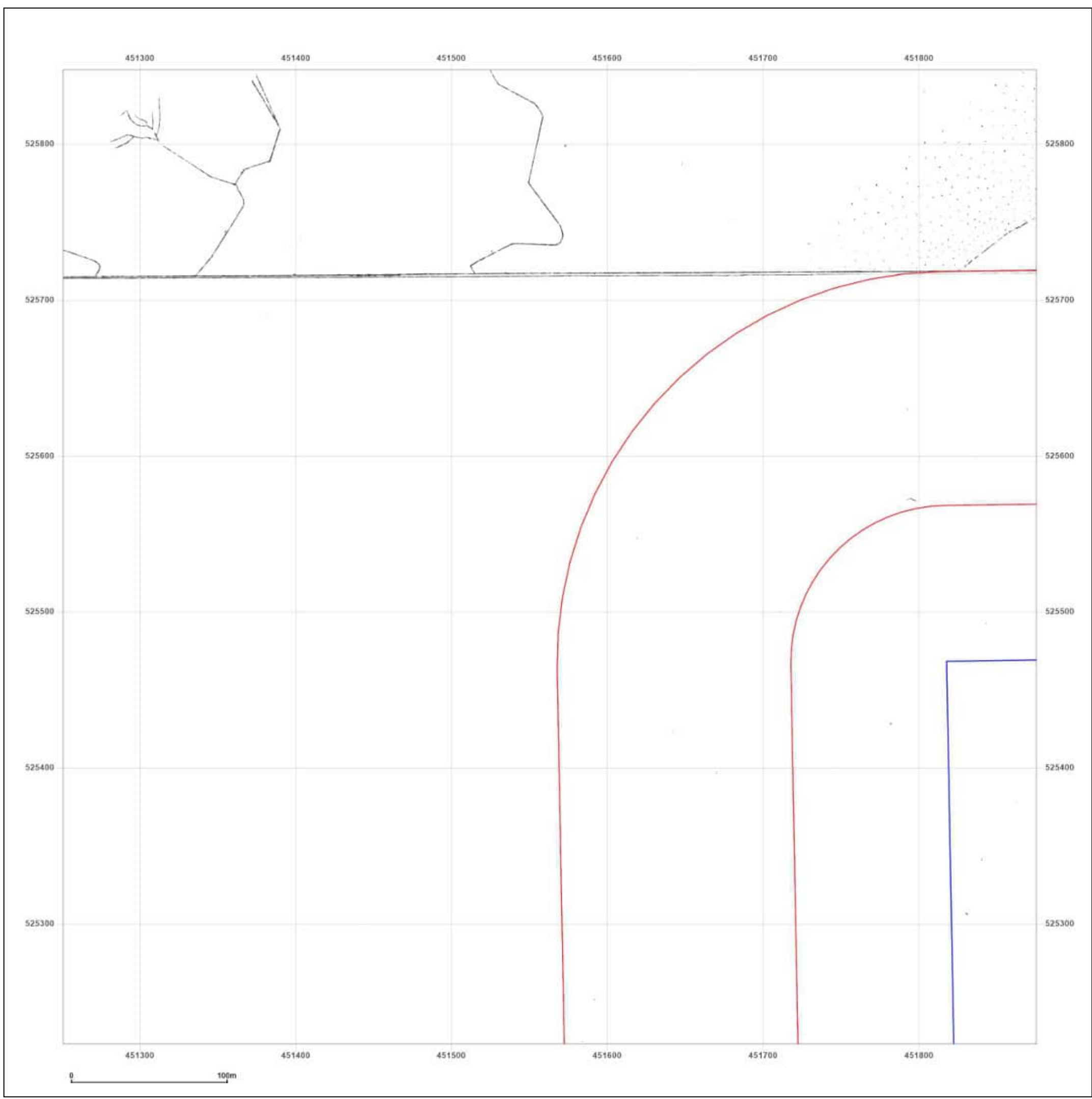


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**Site Details:**

WaveCrest - Teeside

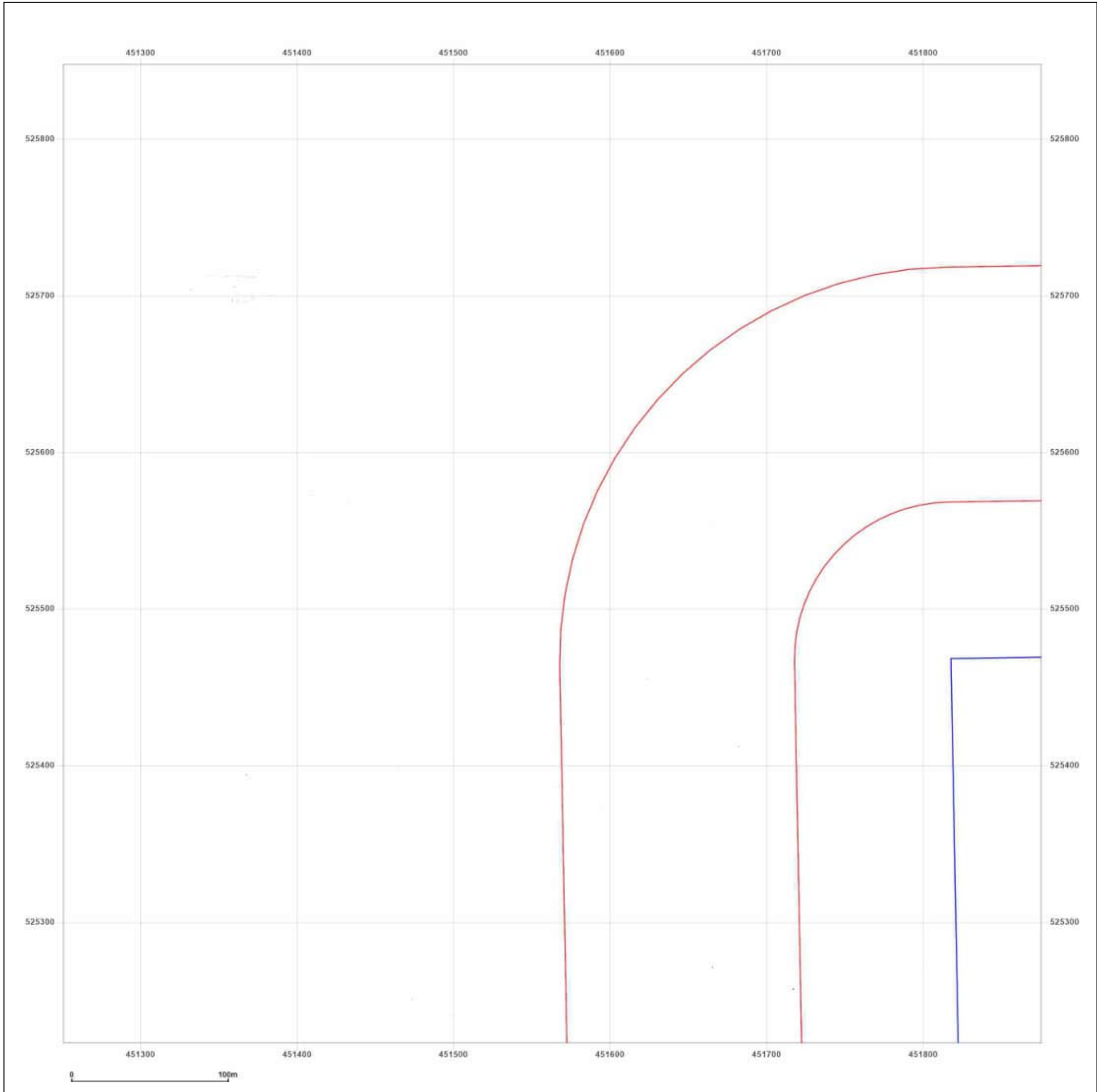
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**Map Name:** County Series

**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Edition N/A  
 Copyright N/A  
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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 451563, 525535

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

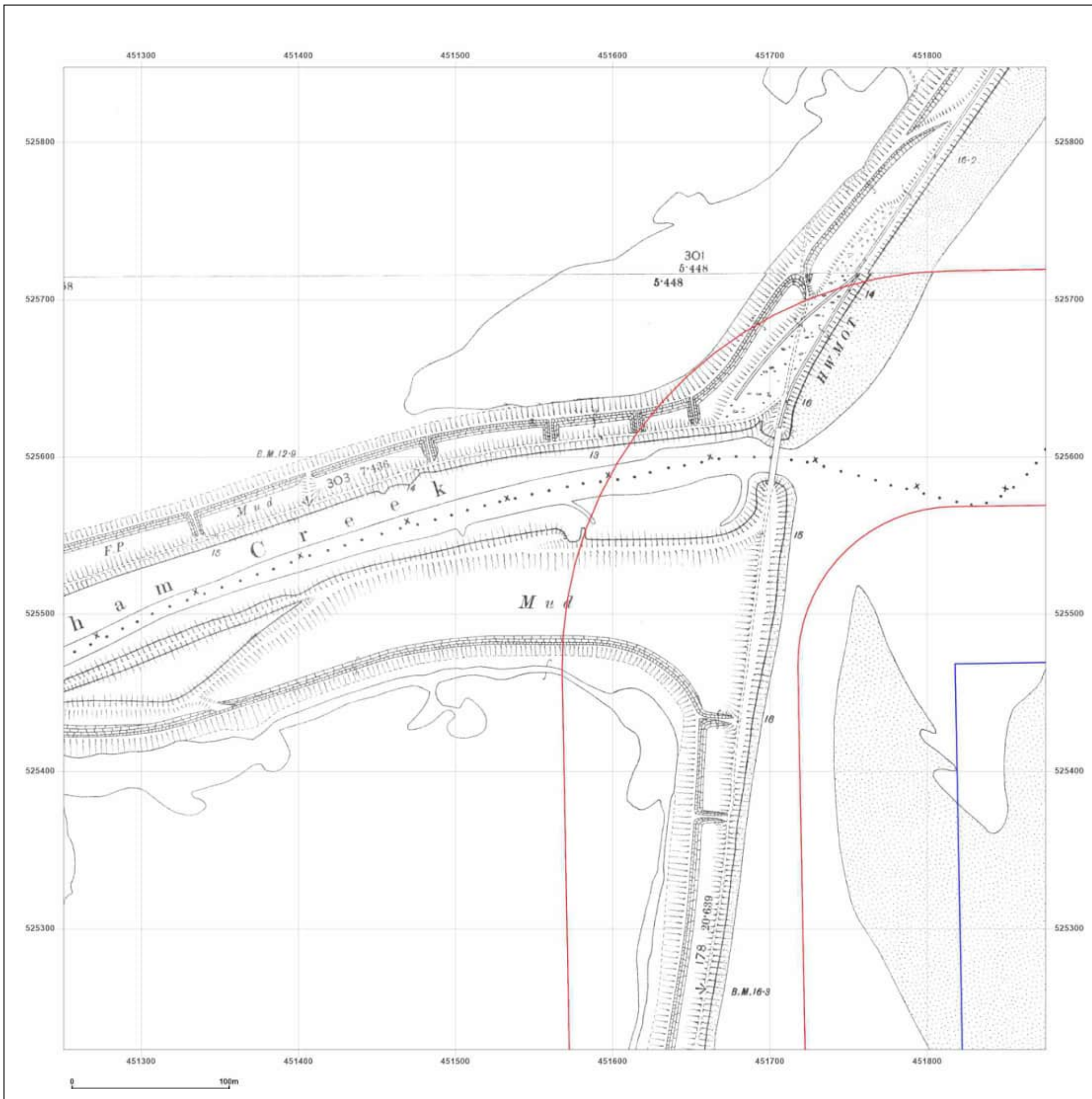


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 451563, 525535

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

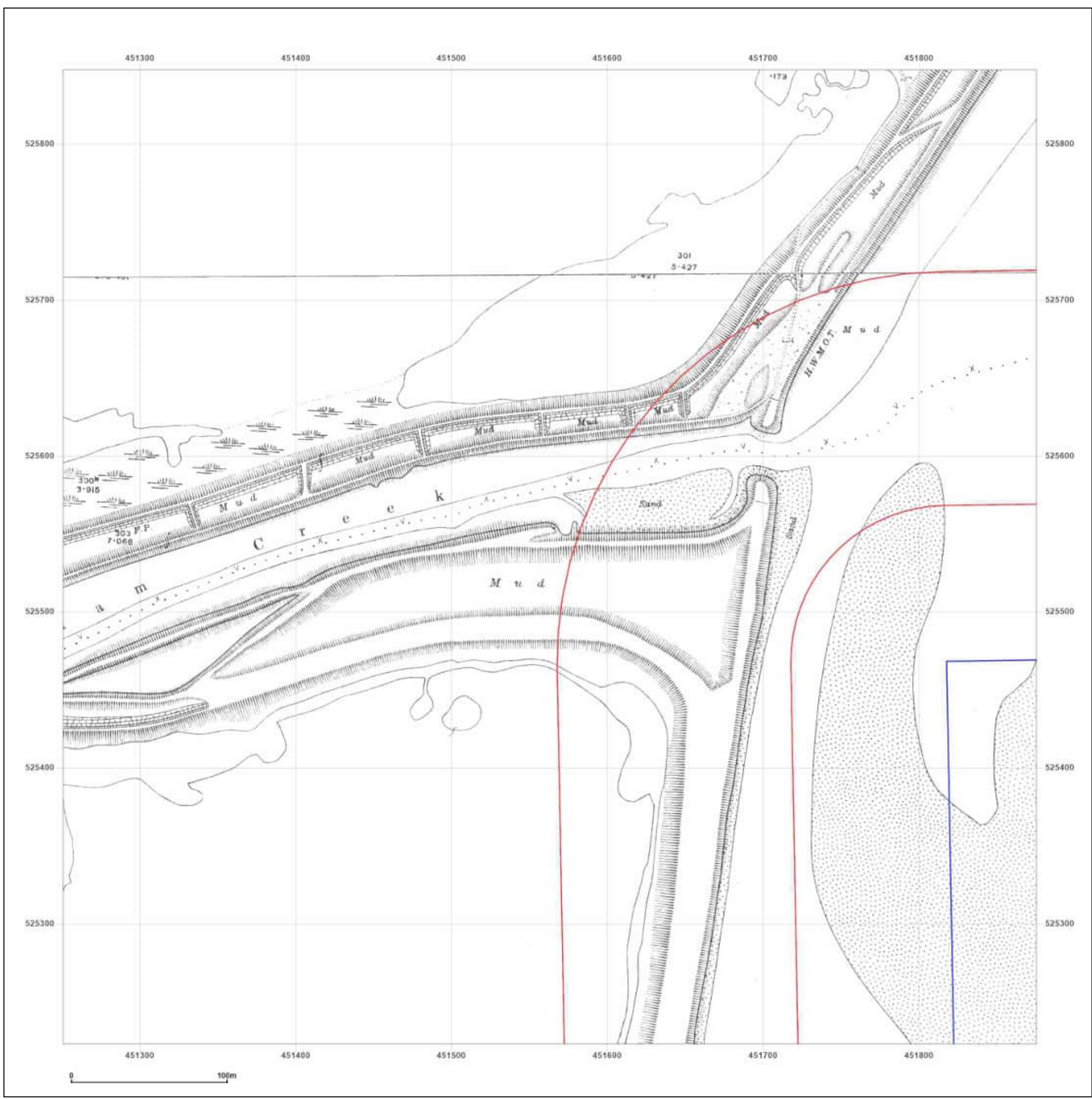


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_4  
**Grid Ref:** 451563, 525535

**Map Name:** County Series

**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

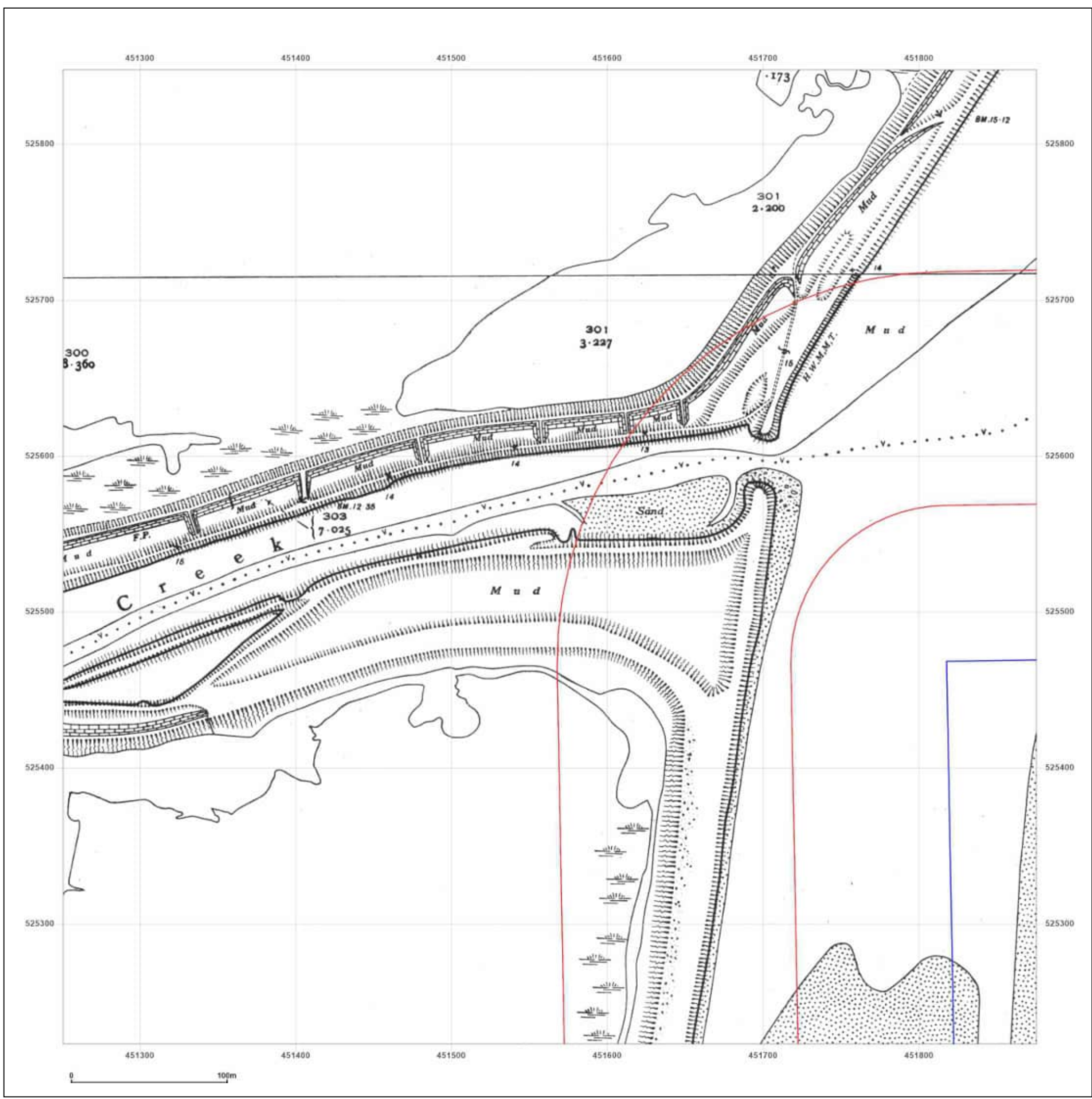


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**Site Details:**

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**Grid Ref:** 451563, 525535

**Map Name:** National Grid

**Map date:** 1967

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1967  
 Levelled 1959

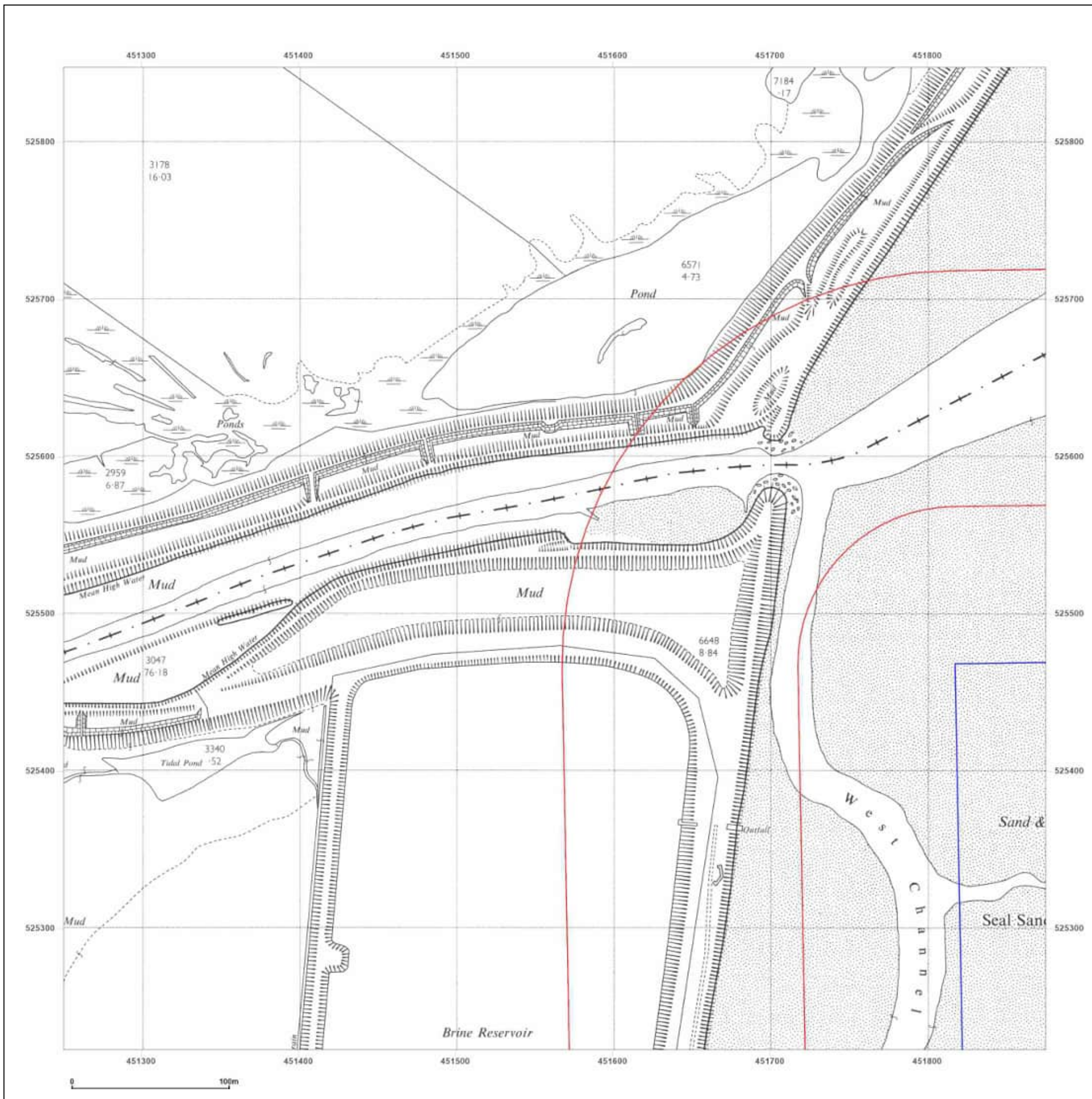


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 451563, 525535

**Map Name:** National Grid

**Map date:** 1968

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

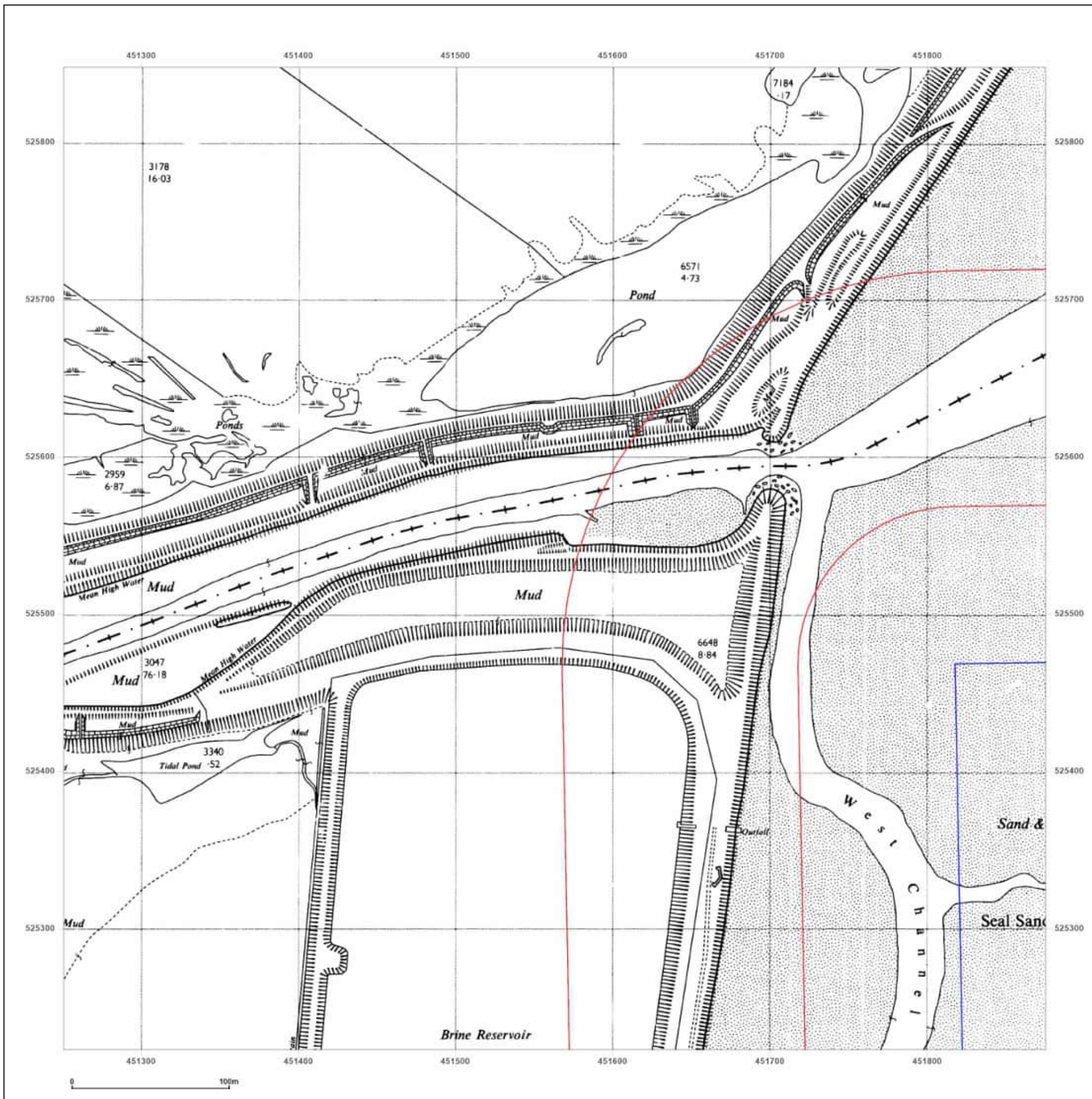


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**Site Details:**

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**Map Name:** National Grid

**Map date:** 1985

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

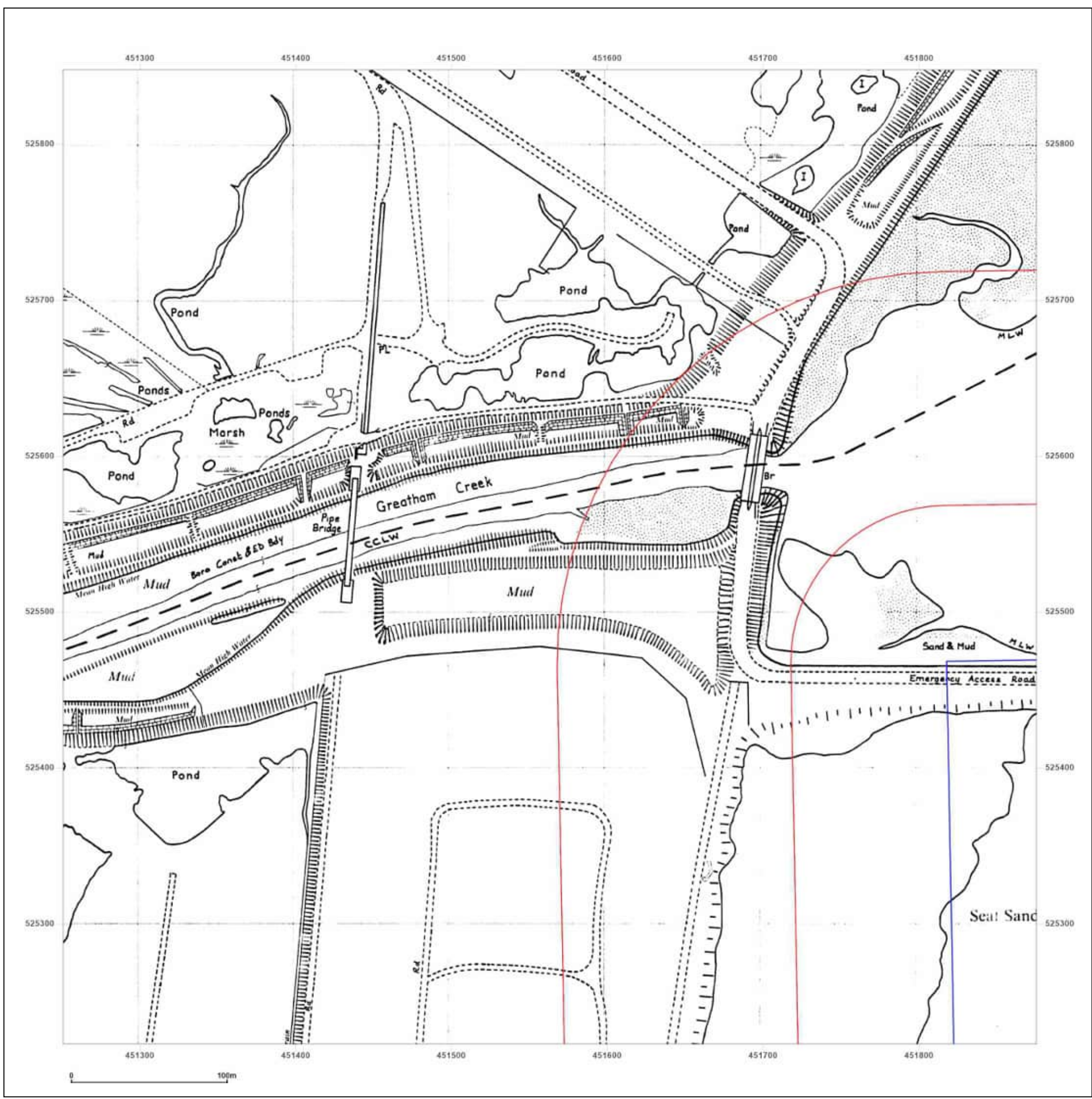


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**Map Name:** National Grid

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**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

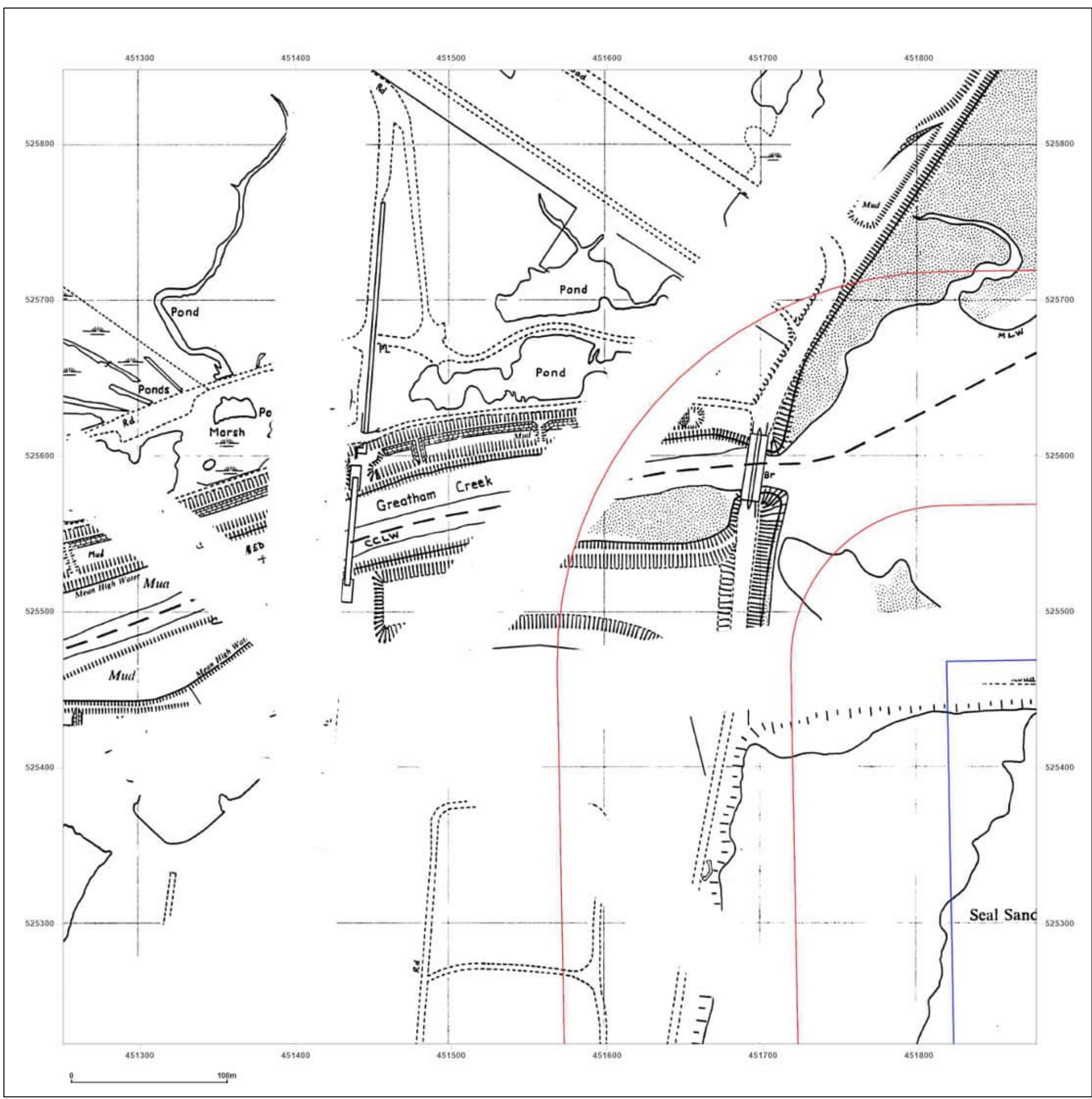


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 451563, 525535

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

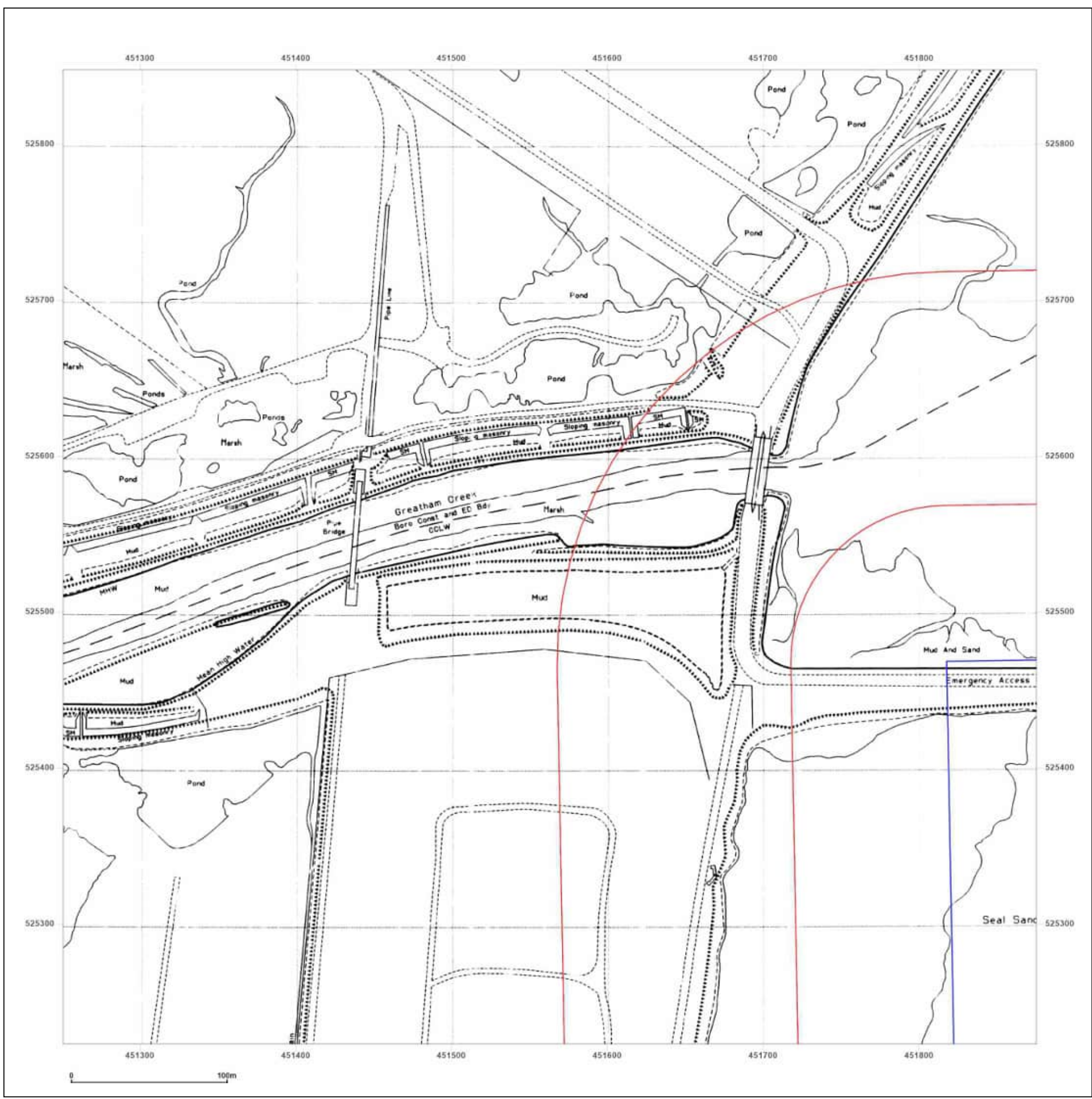


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**Site Details:**

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Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

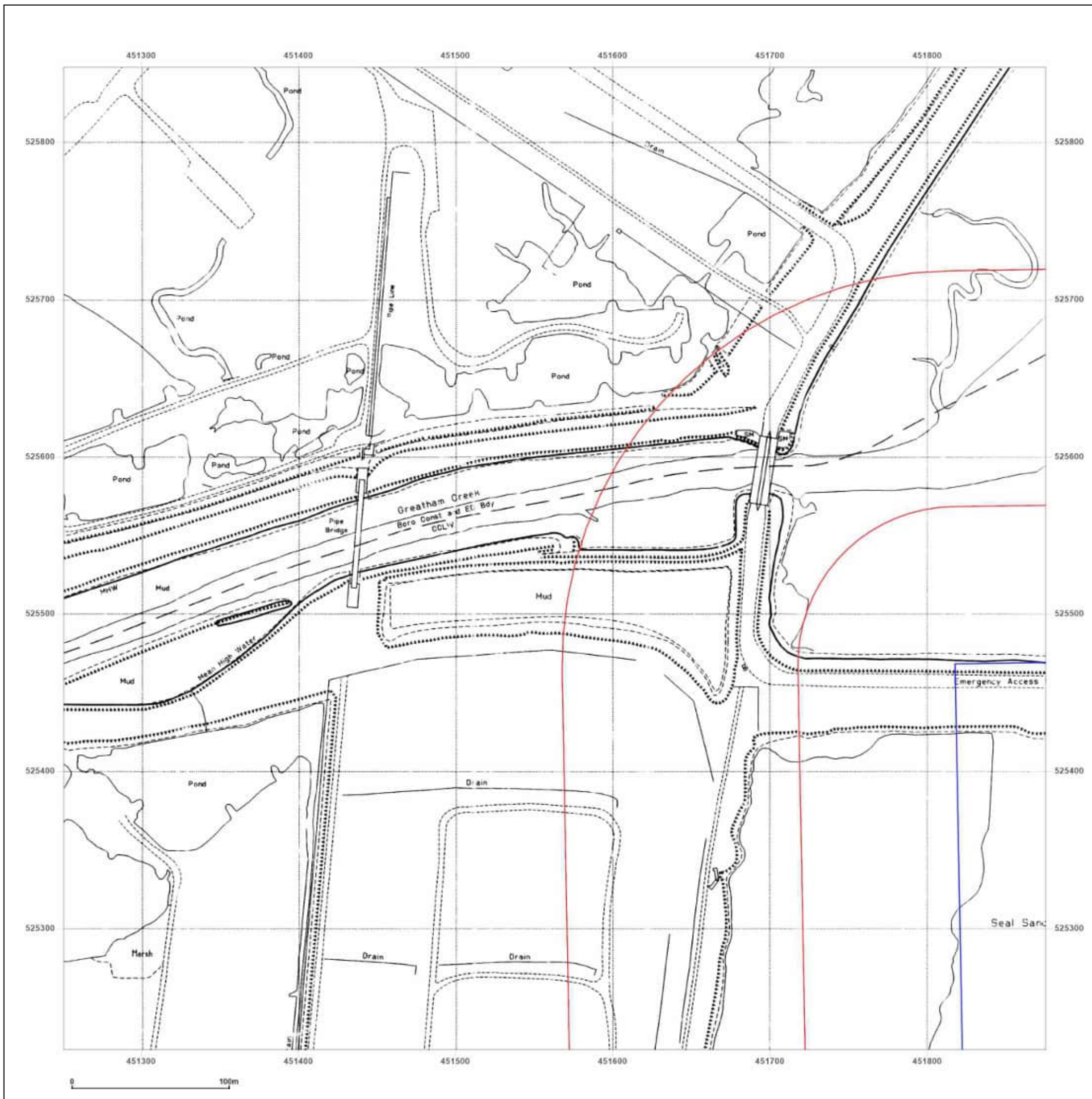


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**Report Ref:** GSIP-2024-14521-17090\_LS\_1\_4  
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**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

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Surveyed 1994  
 Revised 1994  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

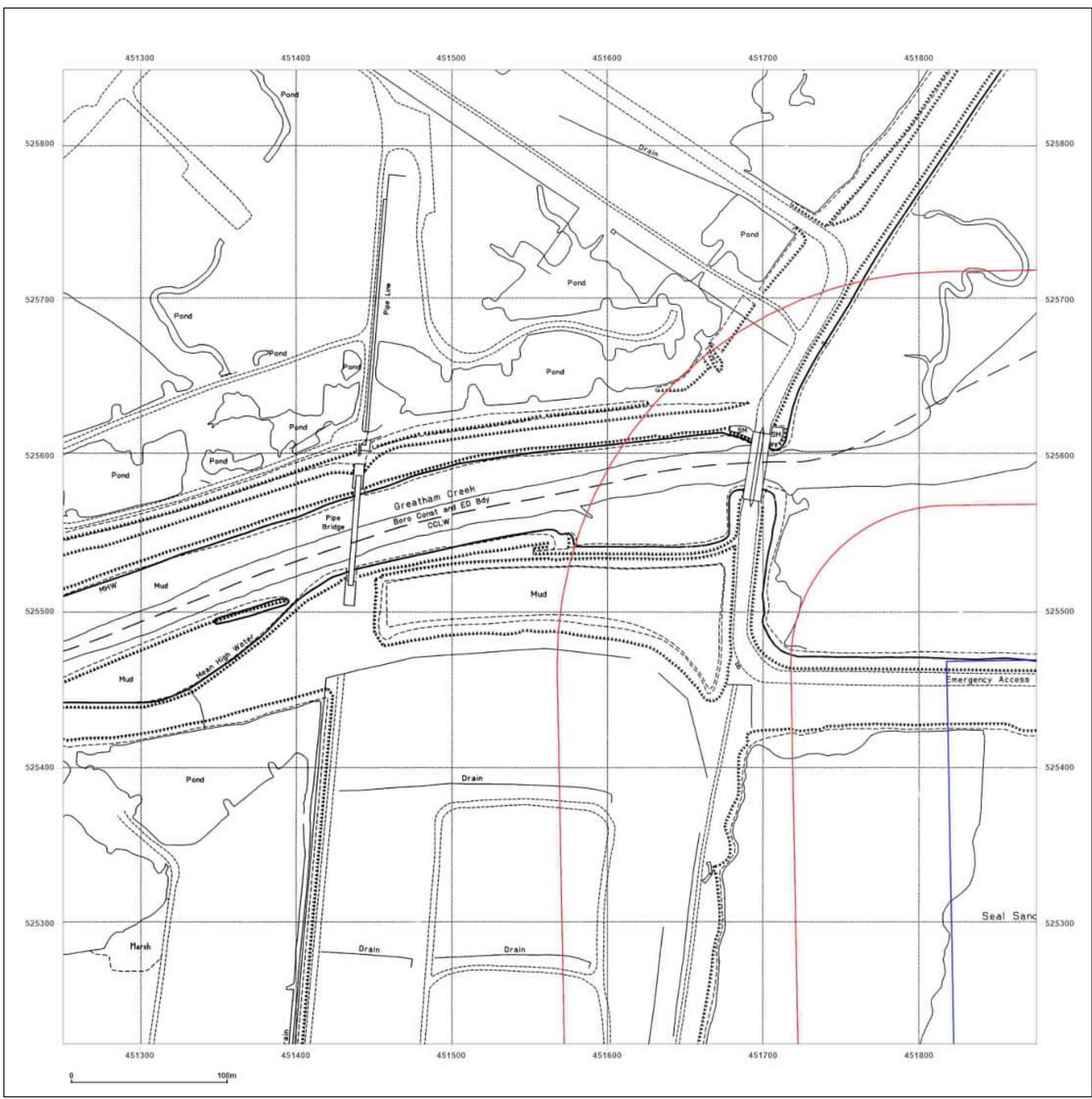


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
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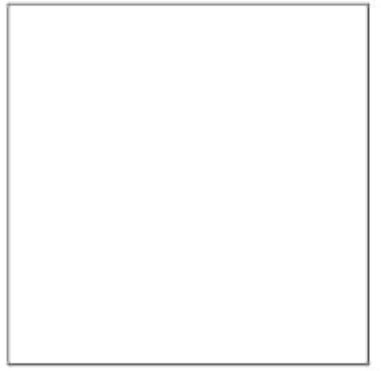
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**Map date:** 1856

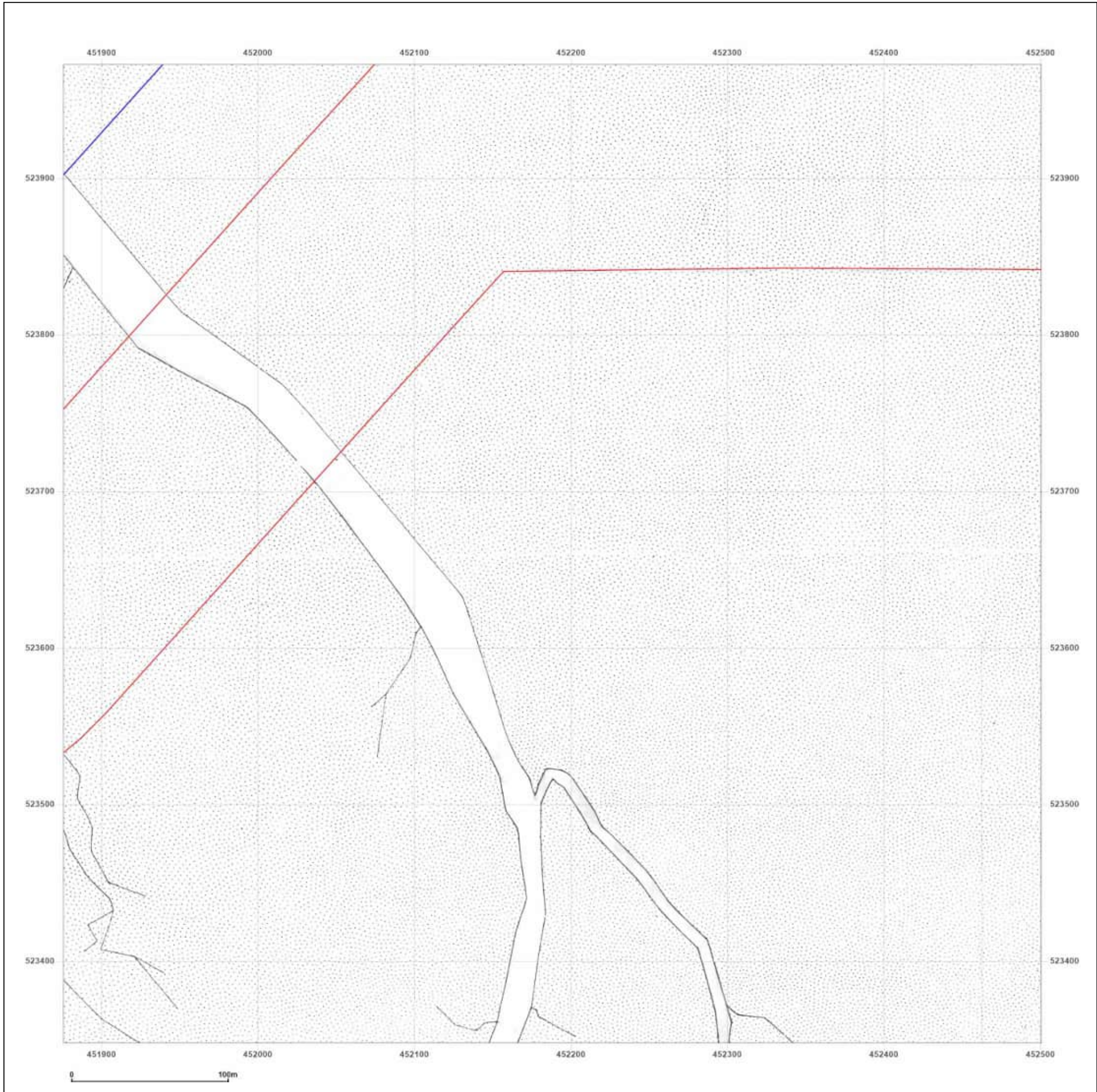
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**Printed at:** 1:2,500





Surveyed 1856  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
**Grid Ref:** 452188, 523660

**Map Name:** County Series

**Map date:** 1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

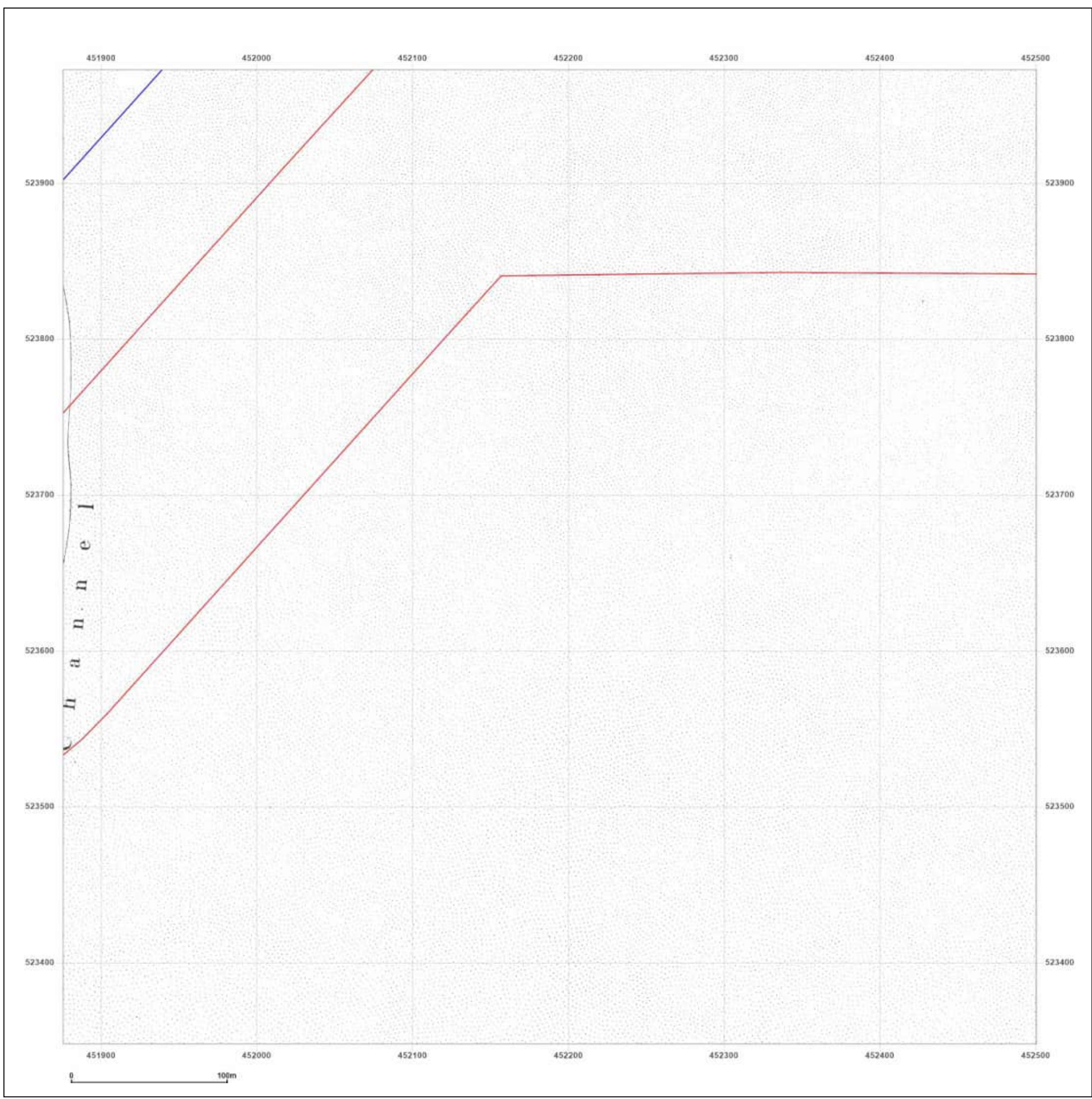


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
**Grid Ref:** 452188, 523660

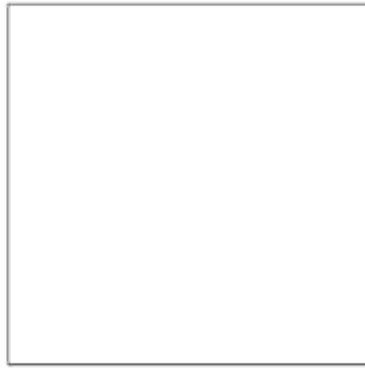
**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500





Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

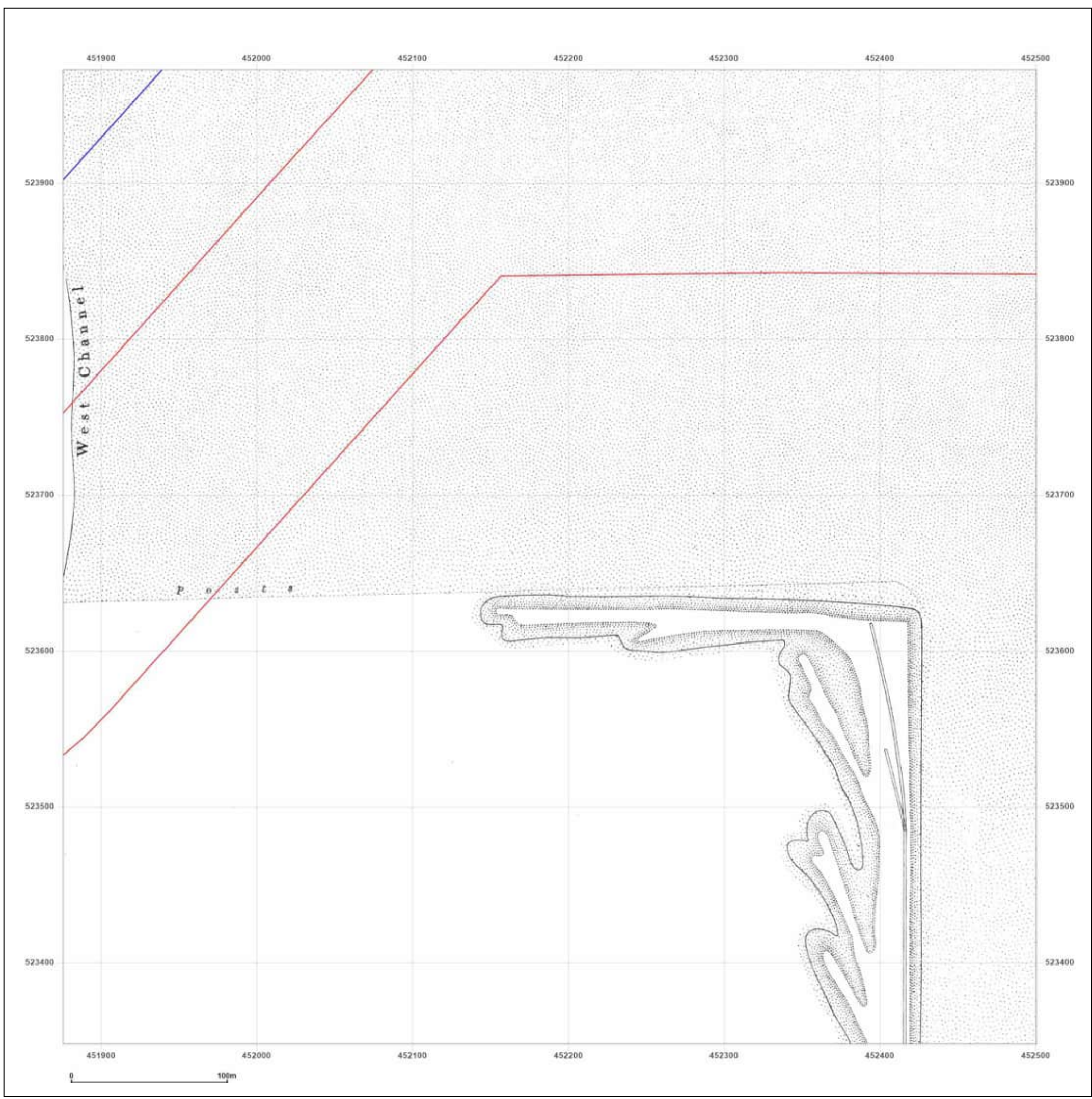


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
**Grid Ref:** 452188, 523660

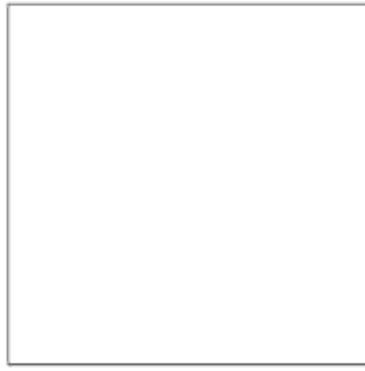
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**Map date:** 1940

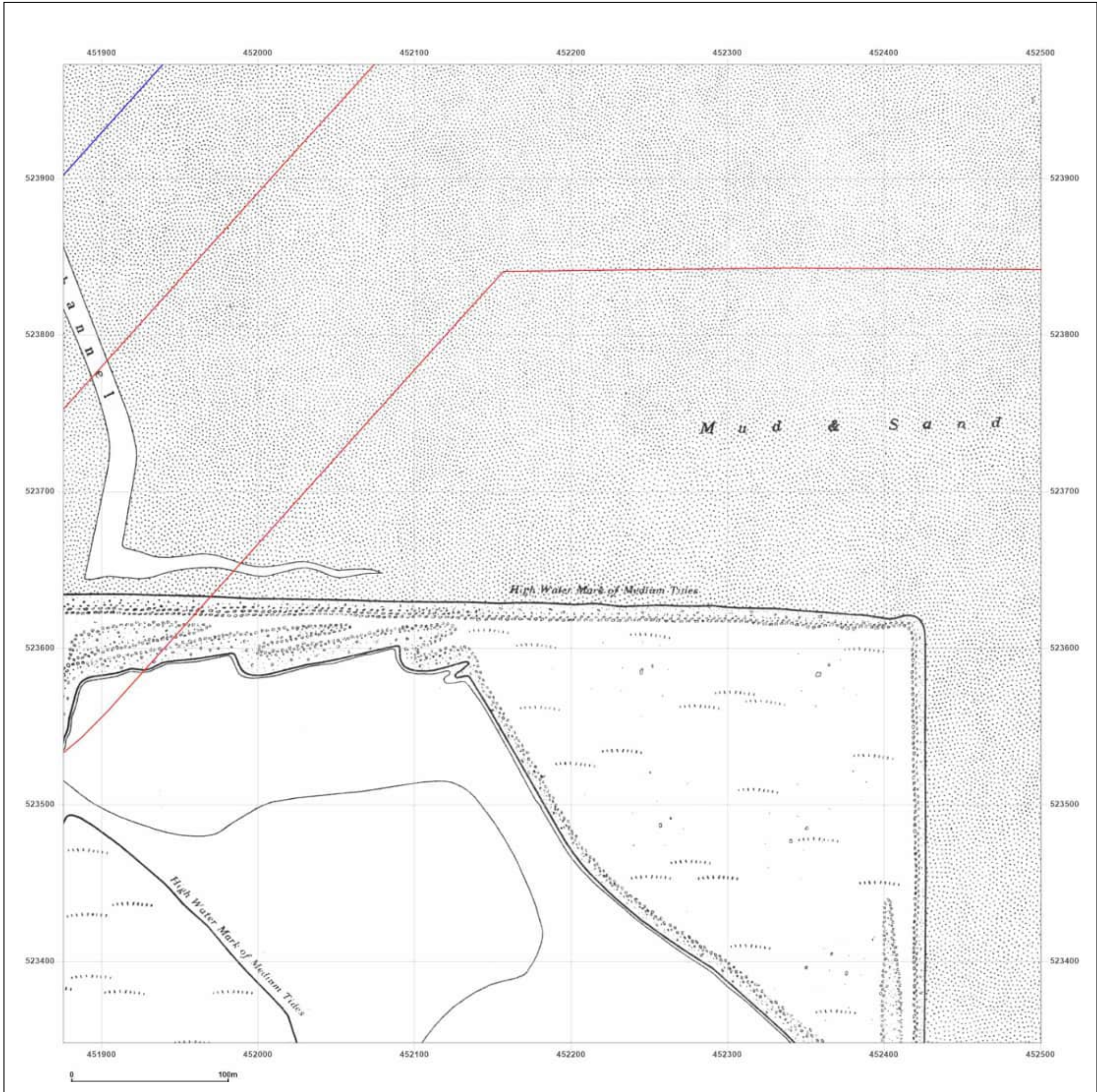
**Scale:** 1:2,500

**Printed at:** 1:2,500





Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
**Grid Ref:** 452188, 523660

**Map Name:** National Grid

**Map date:** 1967-1968

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1969  
 Levelled 1959

Surveyed 1968  
 Revised 1968  
 Edition N/A  
 Copyright 1969  
 Levelled 1959

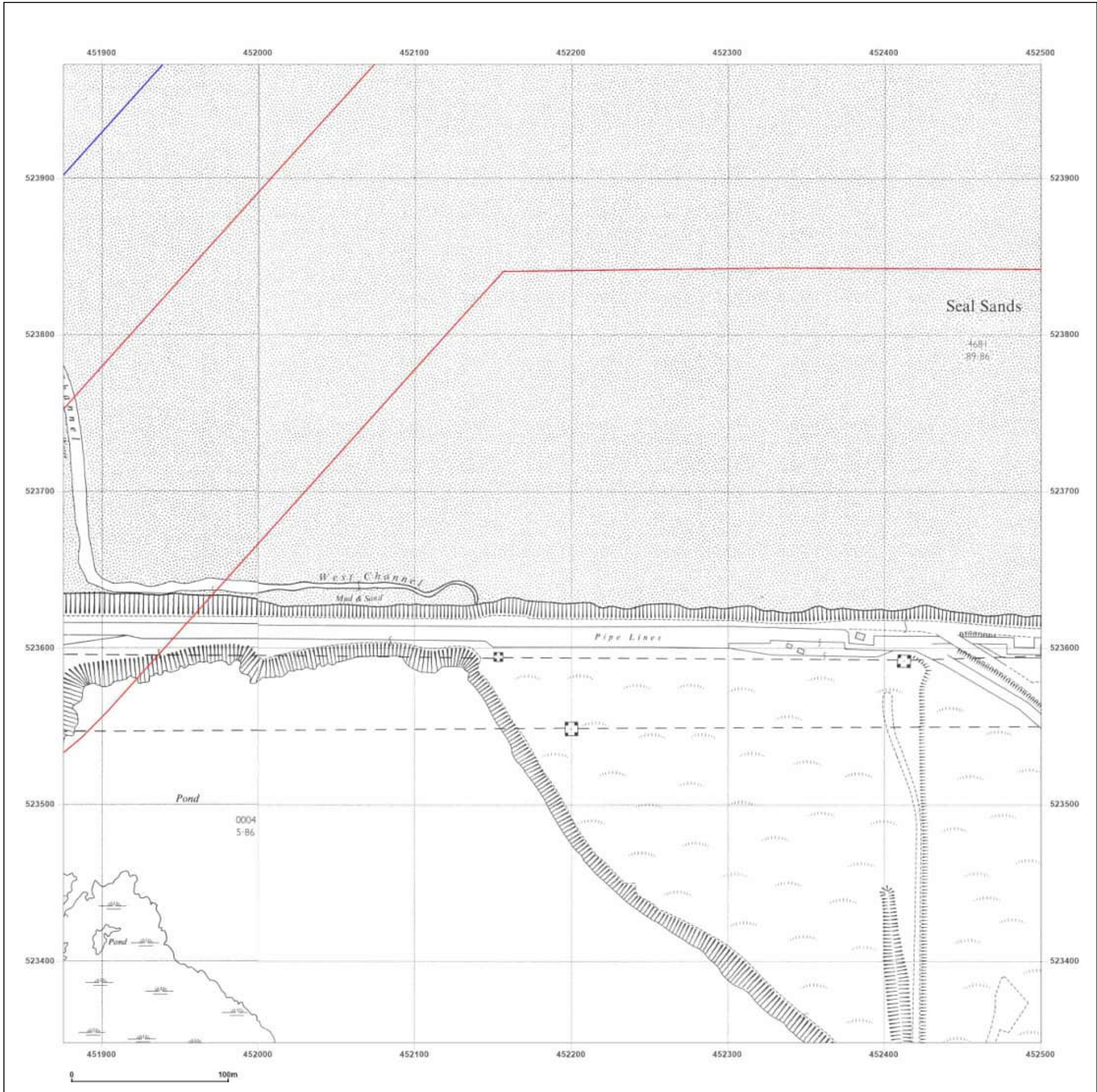


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**Site Details:**

WaveCrest - Teeside

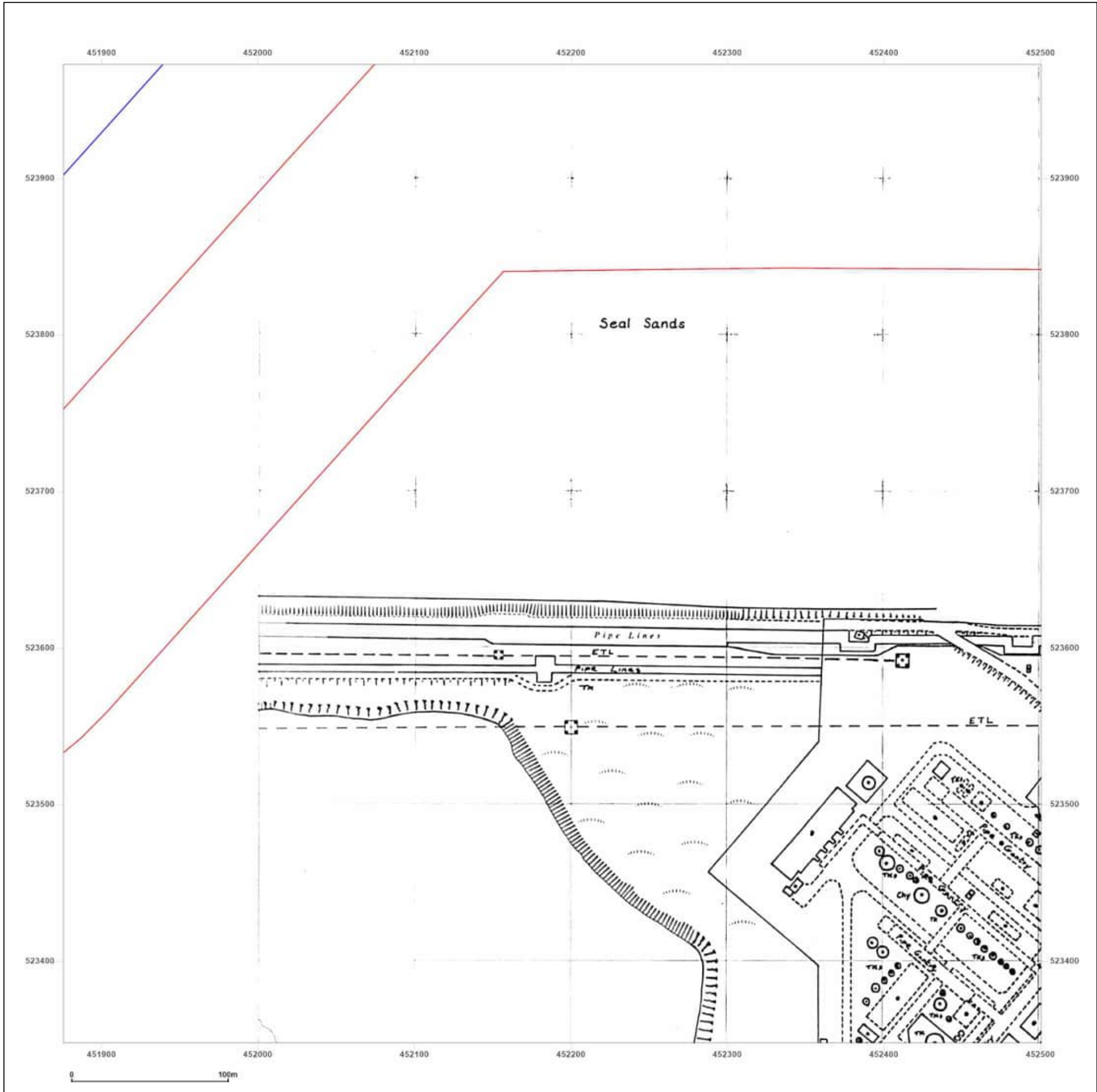
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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_1  
**Grid Ref:** 452188, 523660

**Map Name:** National Grid

**Map date:** 1984

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1984  
 Edition N/A  
 Copyright 1984  
 Levelled 1959



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** County Series

**Map date:** 1856-1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1856  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

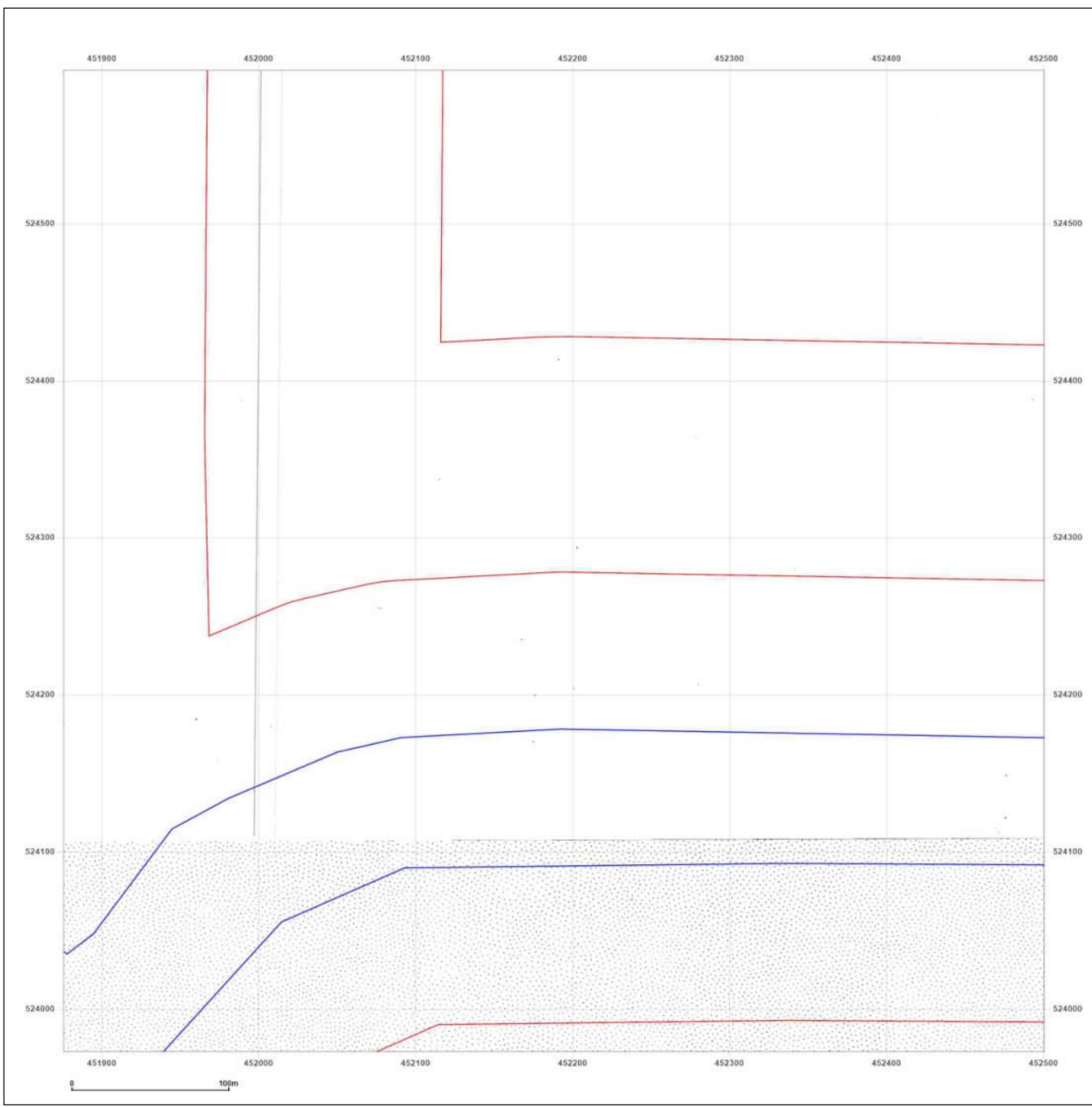


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** County Series

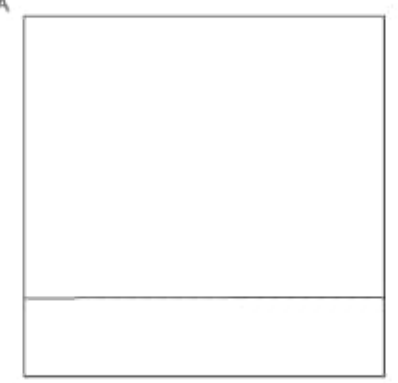
**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1857  
 Revised 1857  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

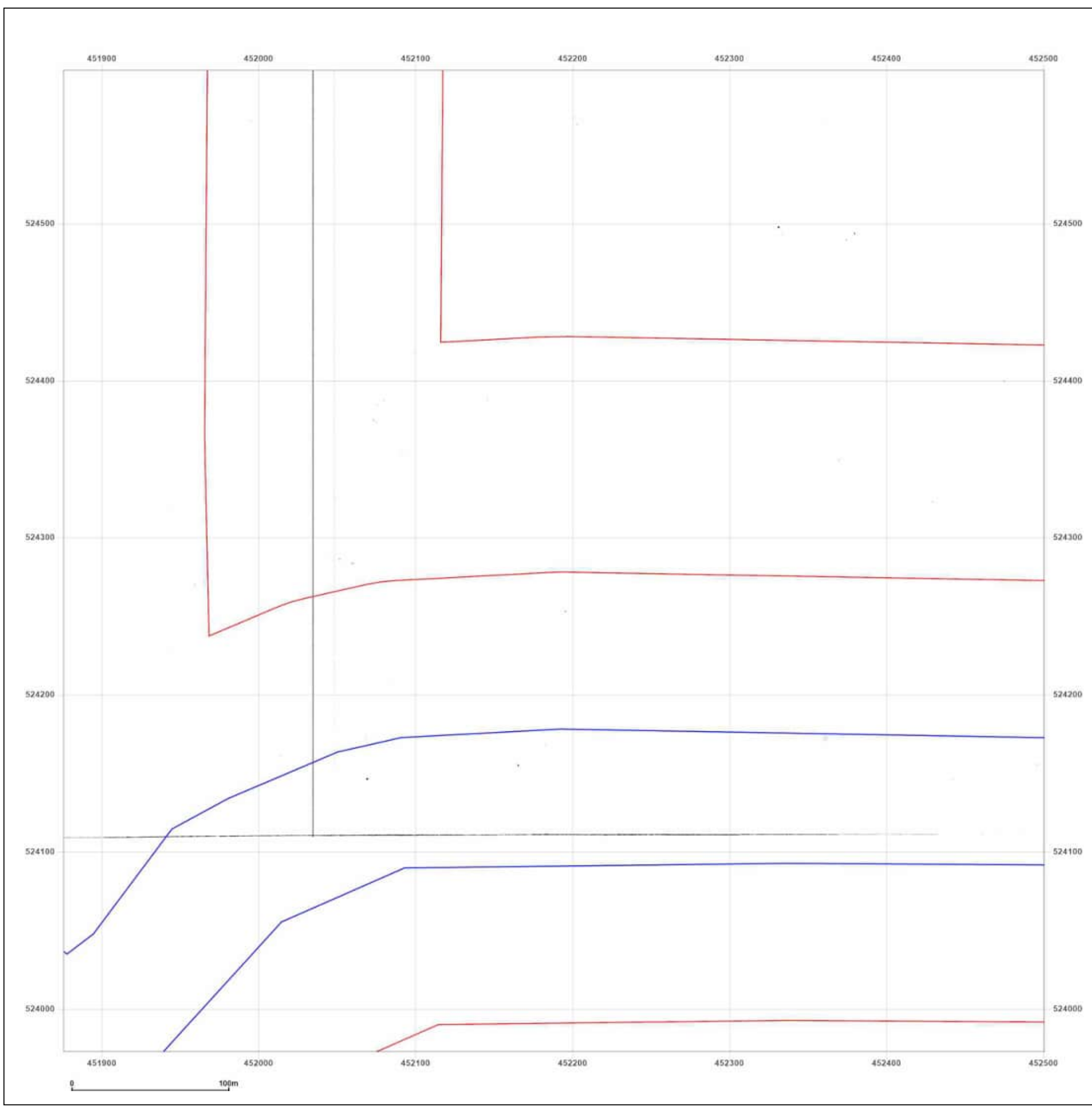


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** County Series

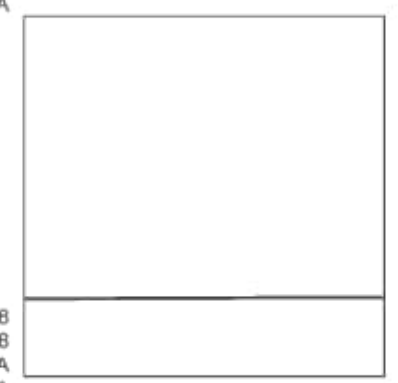
**Map date:** 1897-1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

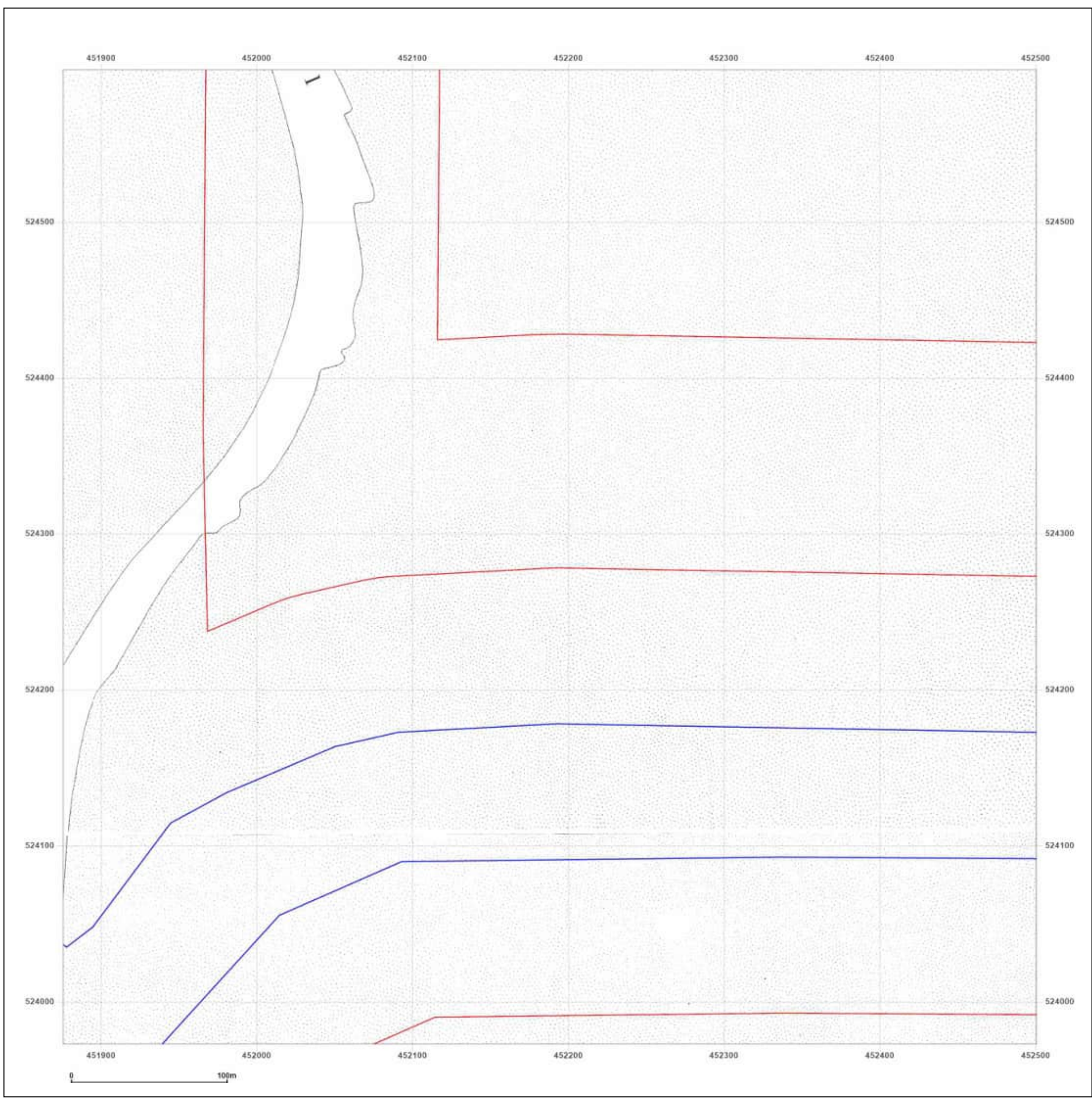


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

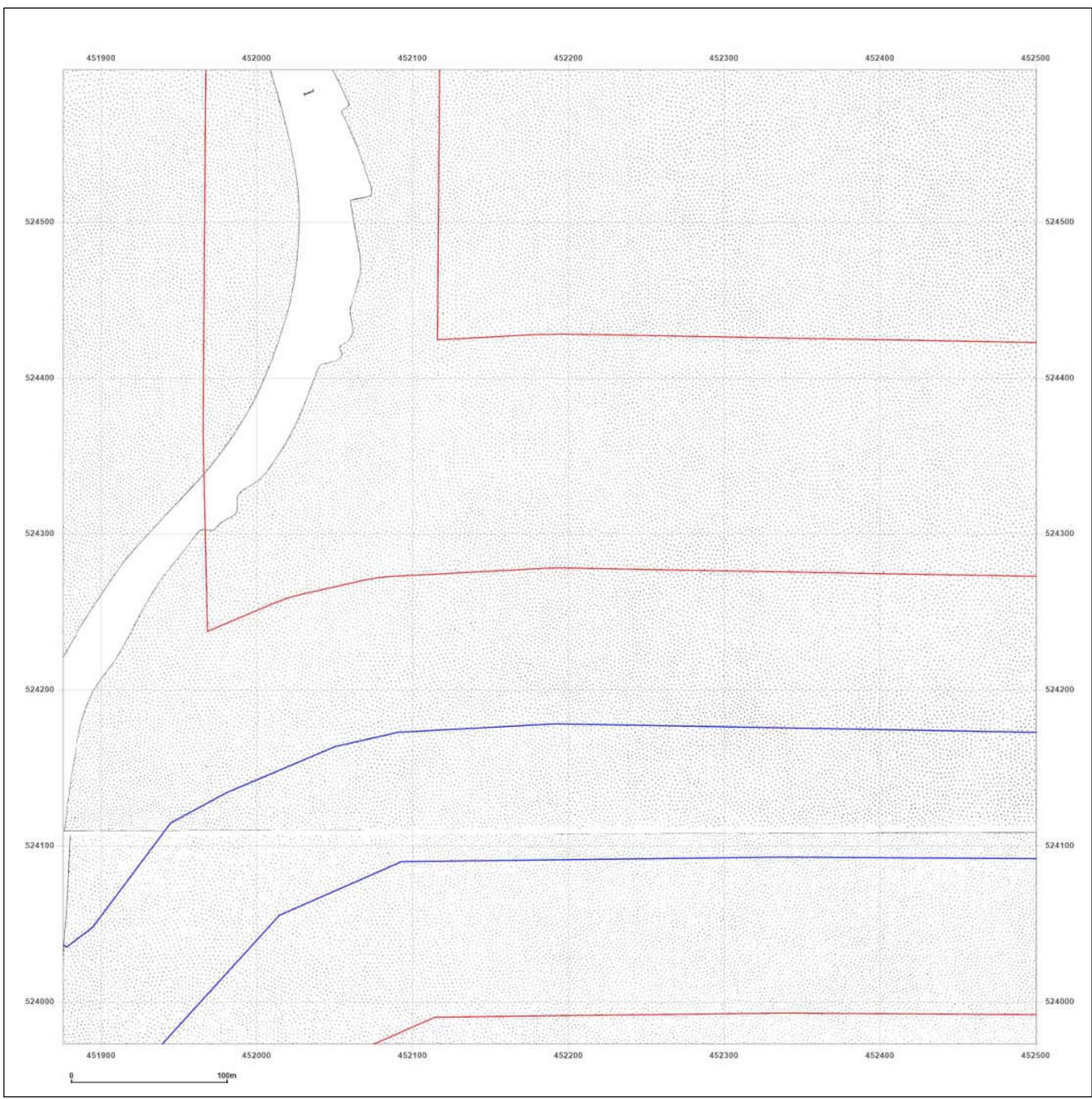


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** County Series

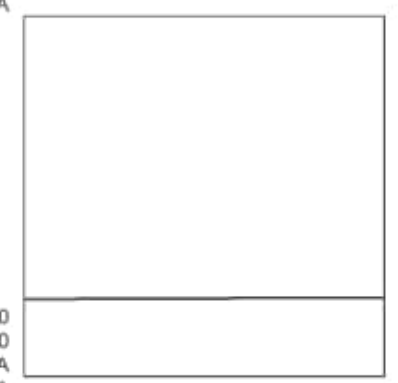
**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

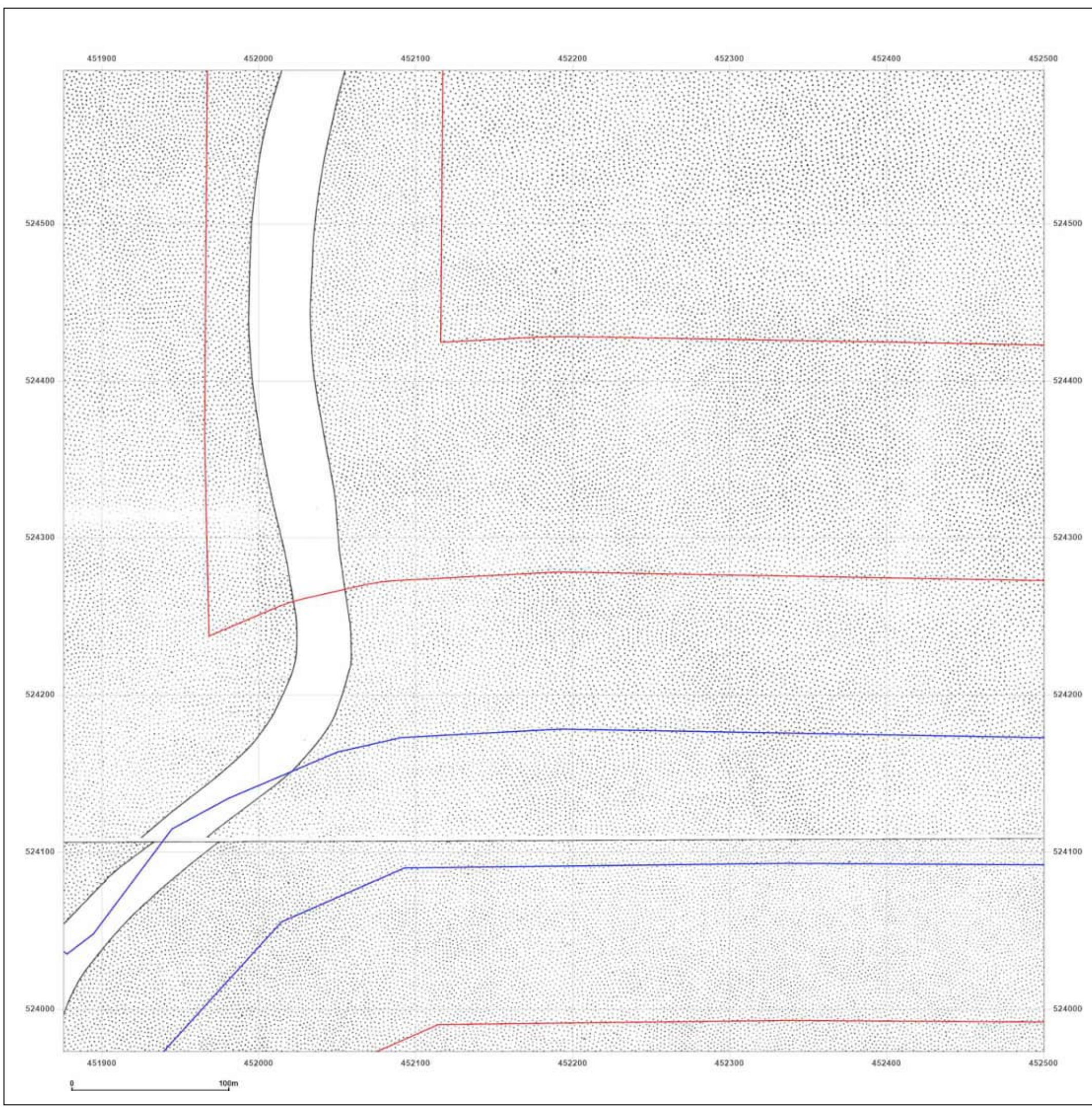


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** National Grid

**Map date:** 1984-1986

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1984  
 Revised 1984  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

Surveyed 1986  
 Revised 1986  
 Edition N/A  
 Copyright 1988  
 Levelled 1959

Surveyed 1959  
 Revised 1984  
 Edition N/A  
 Copyright 1984  
 Levelled 1959

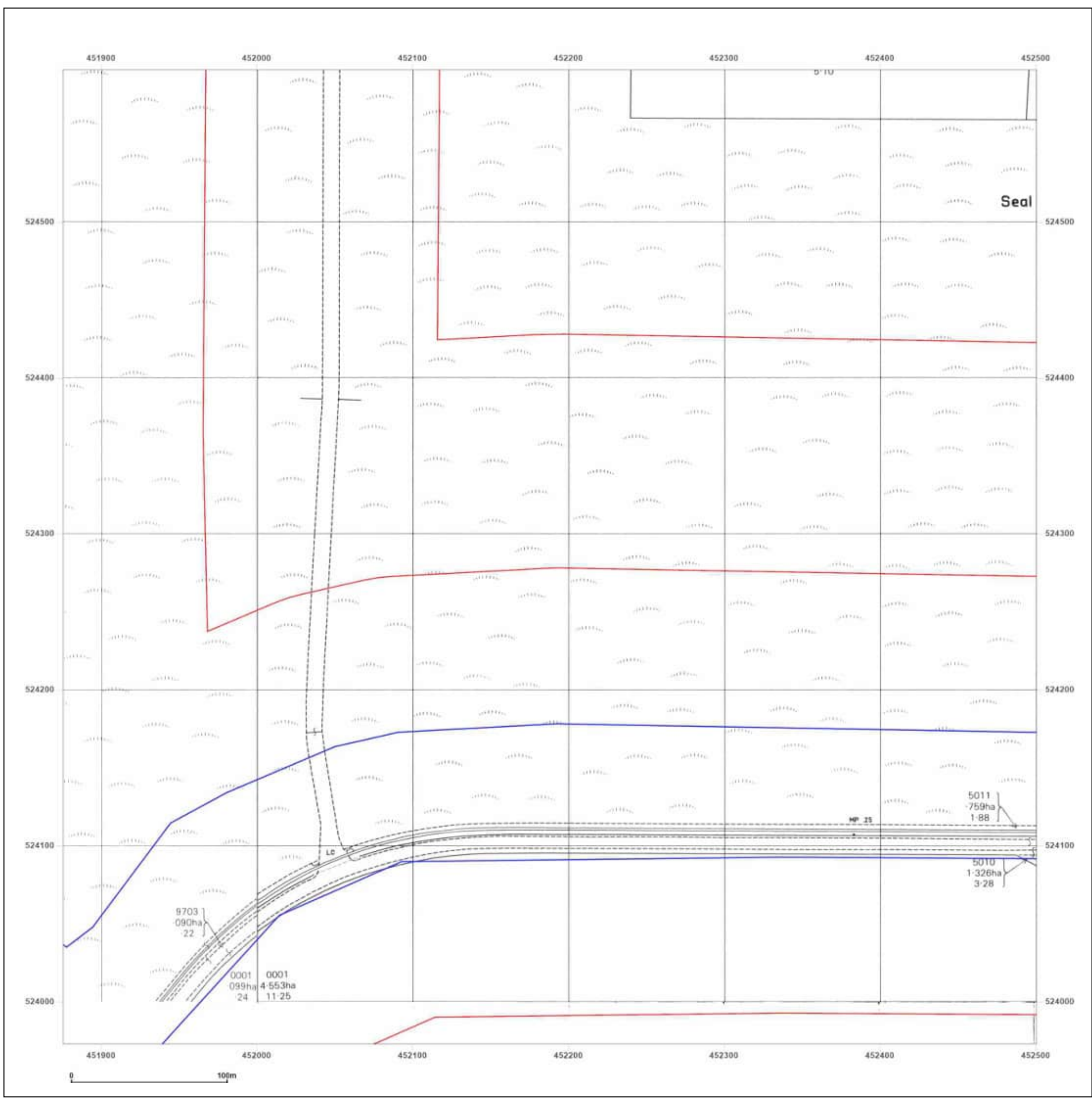


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveved N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveved N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
Surveved 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A	

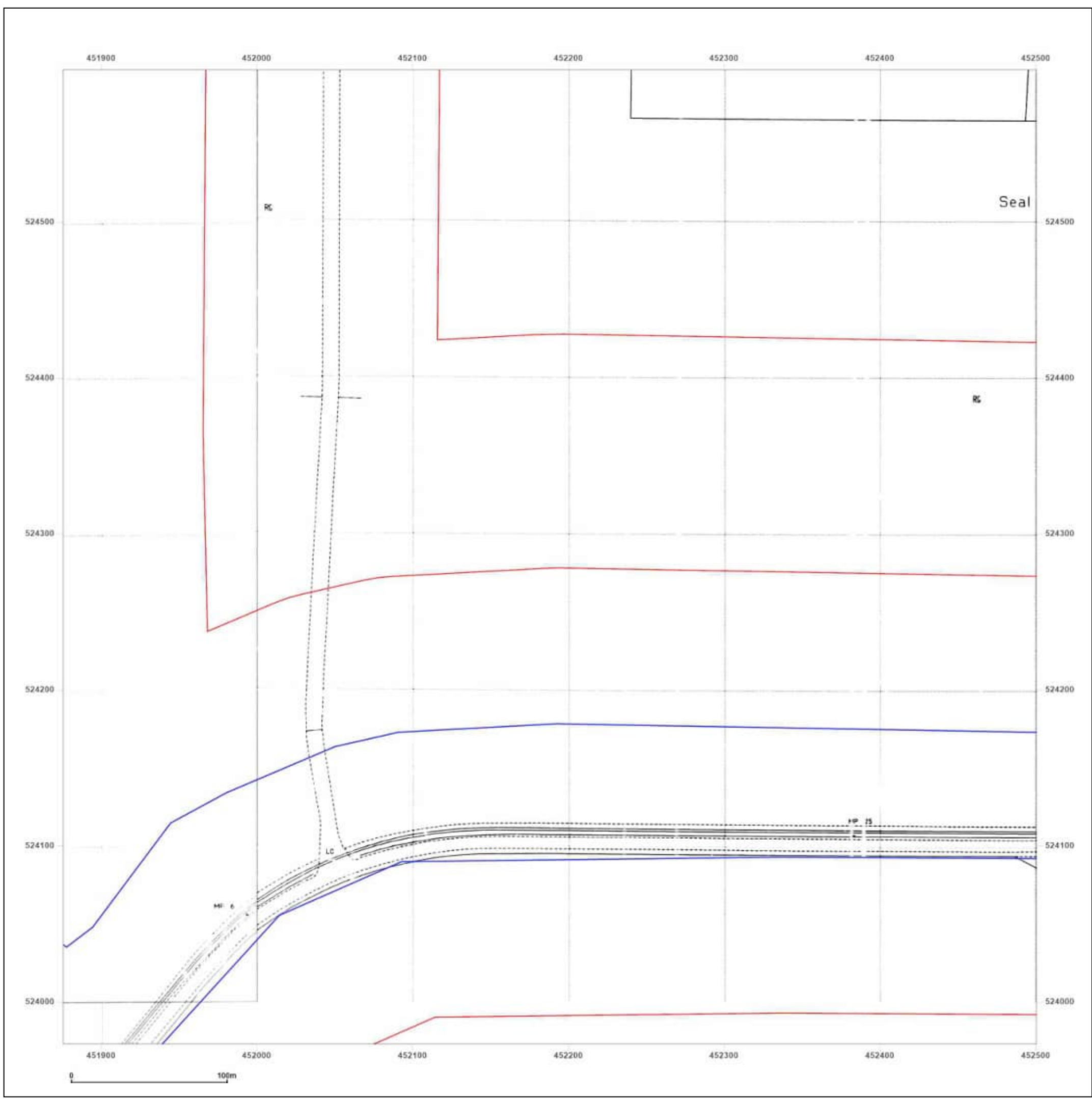


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_2  
**Grid Ref:** 452188, 524285

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

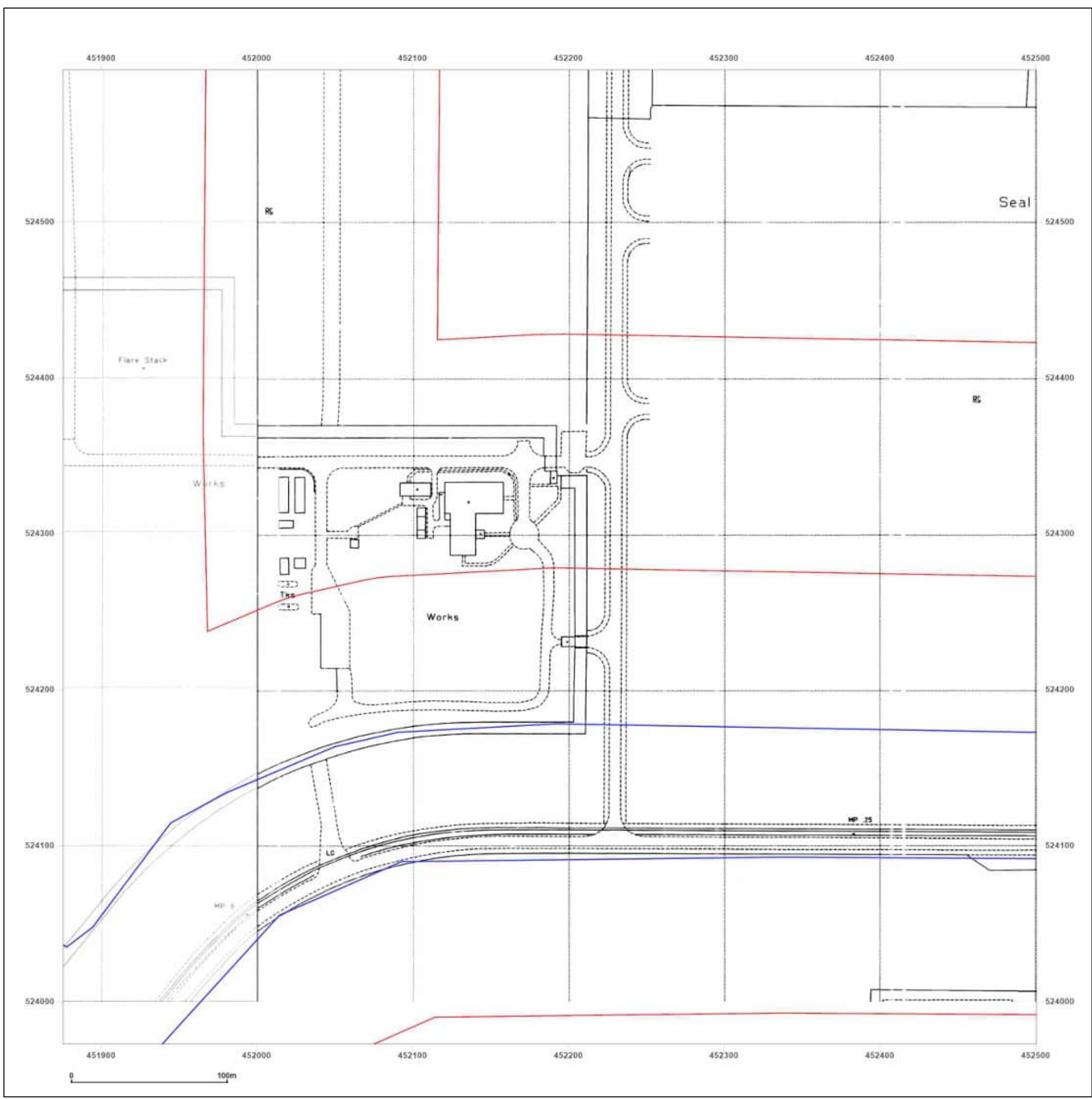


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
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**Grid Ref:** 452188, 524285

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A	Surveyed 1994
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled N/A	Levelled N/A

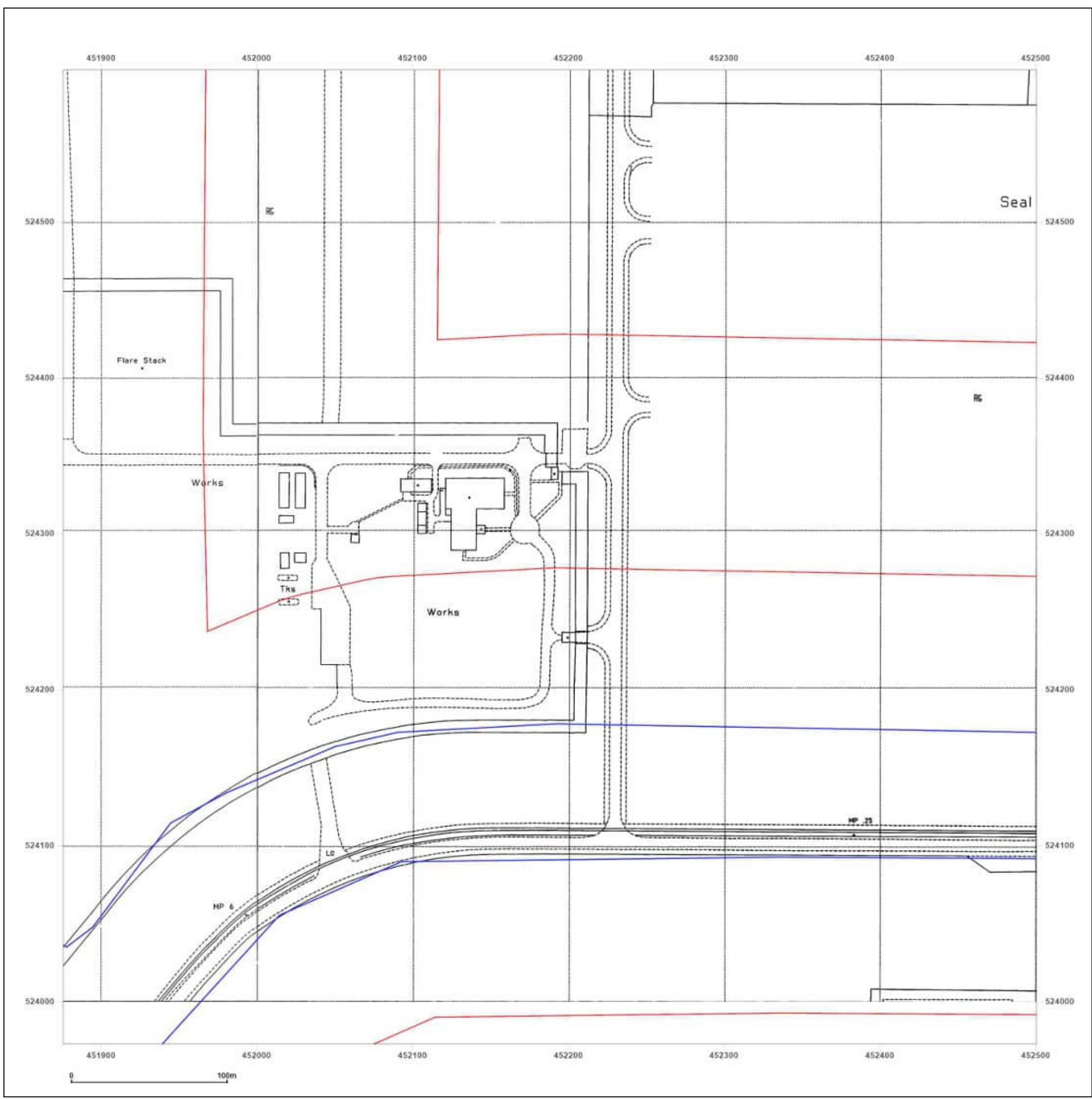


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** County Series

**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

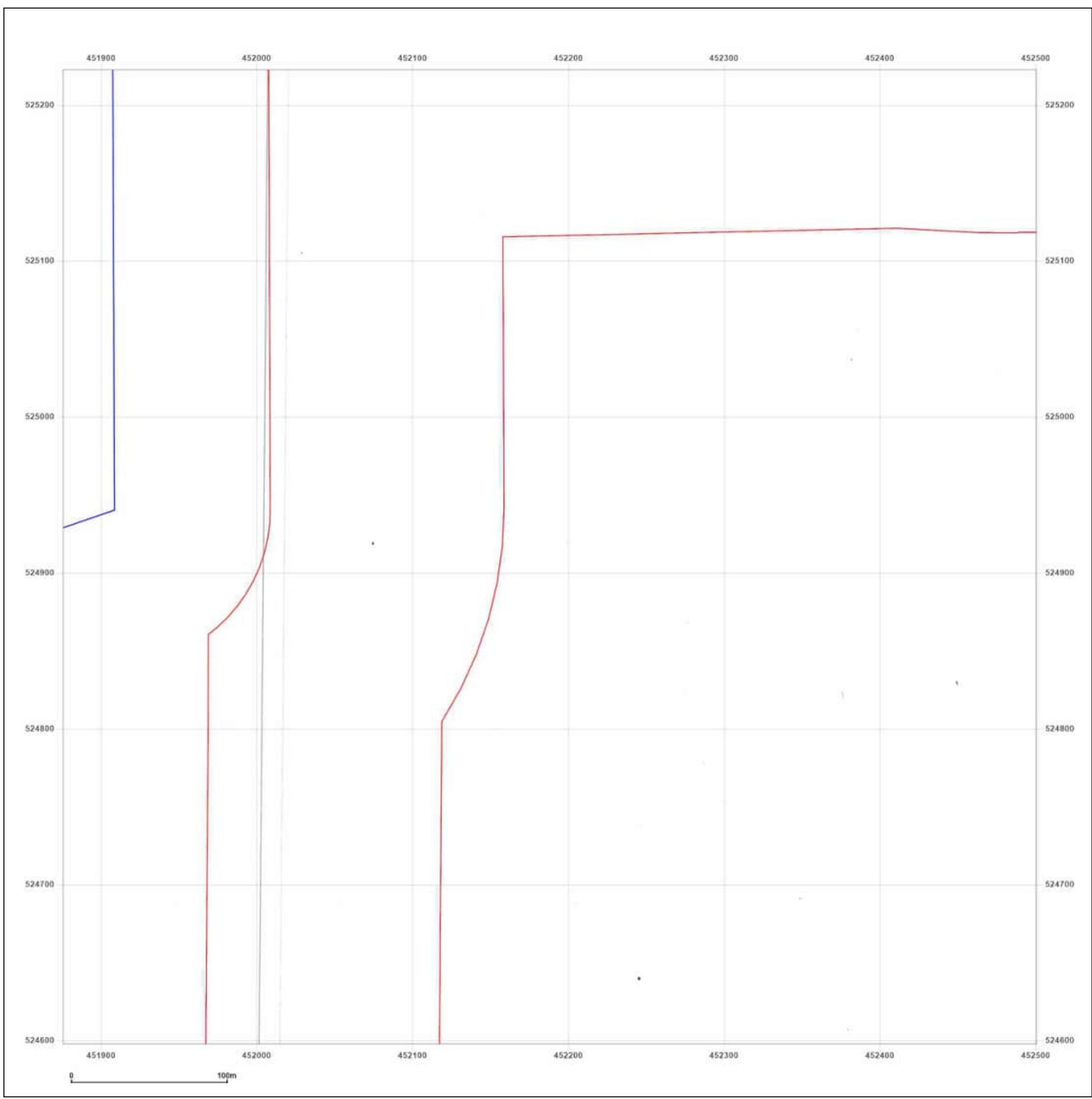


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** County Series

**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1857  
 Revised 1857  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

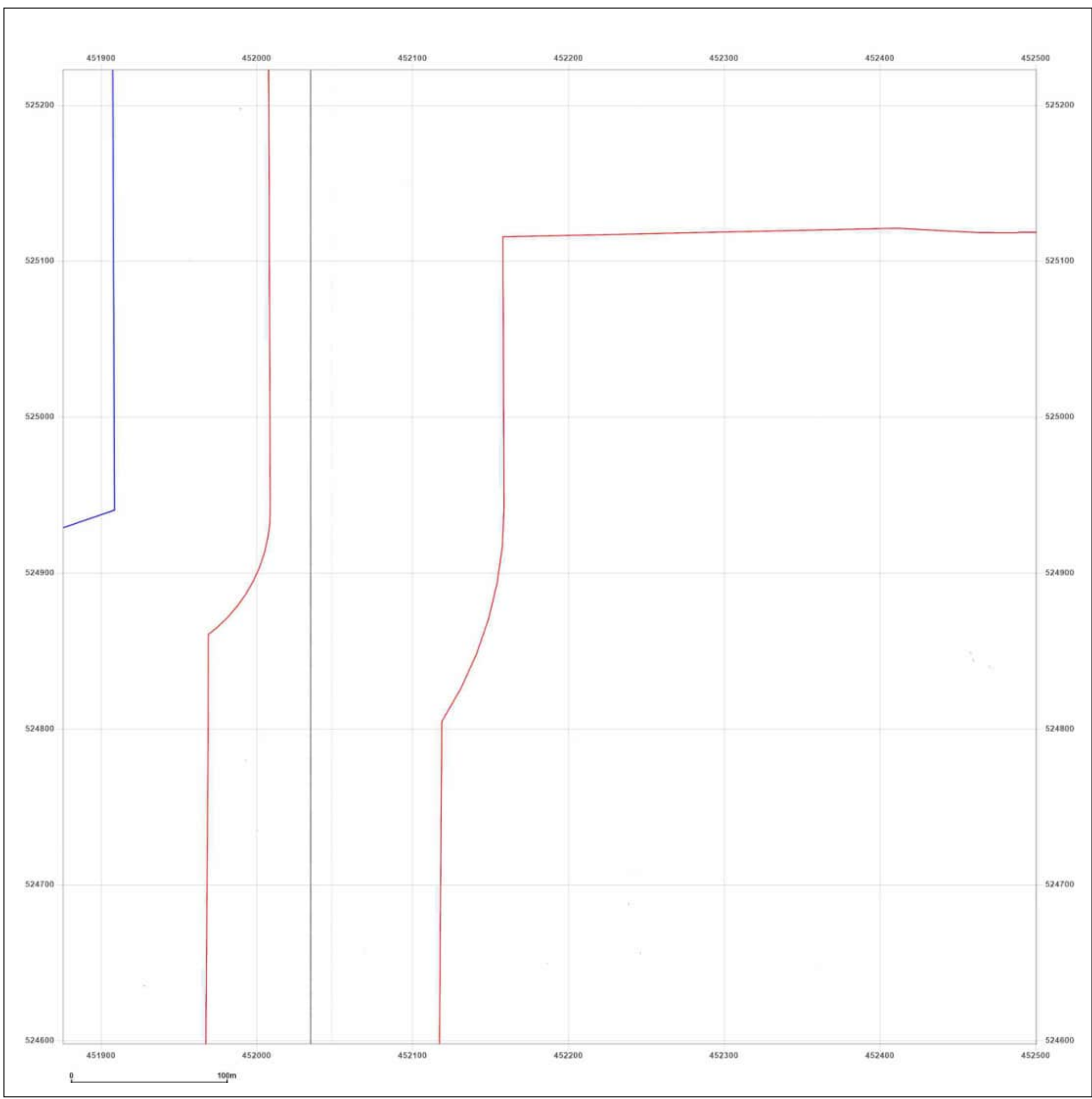


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

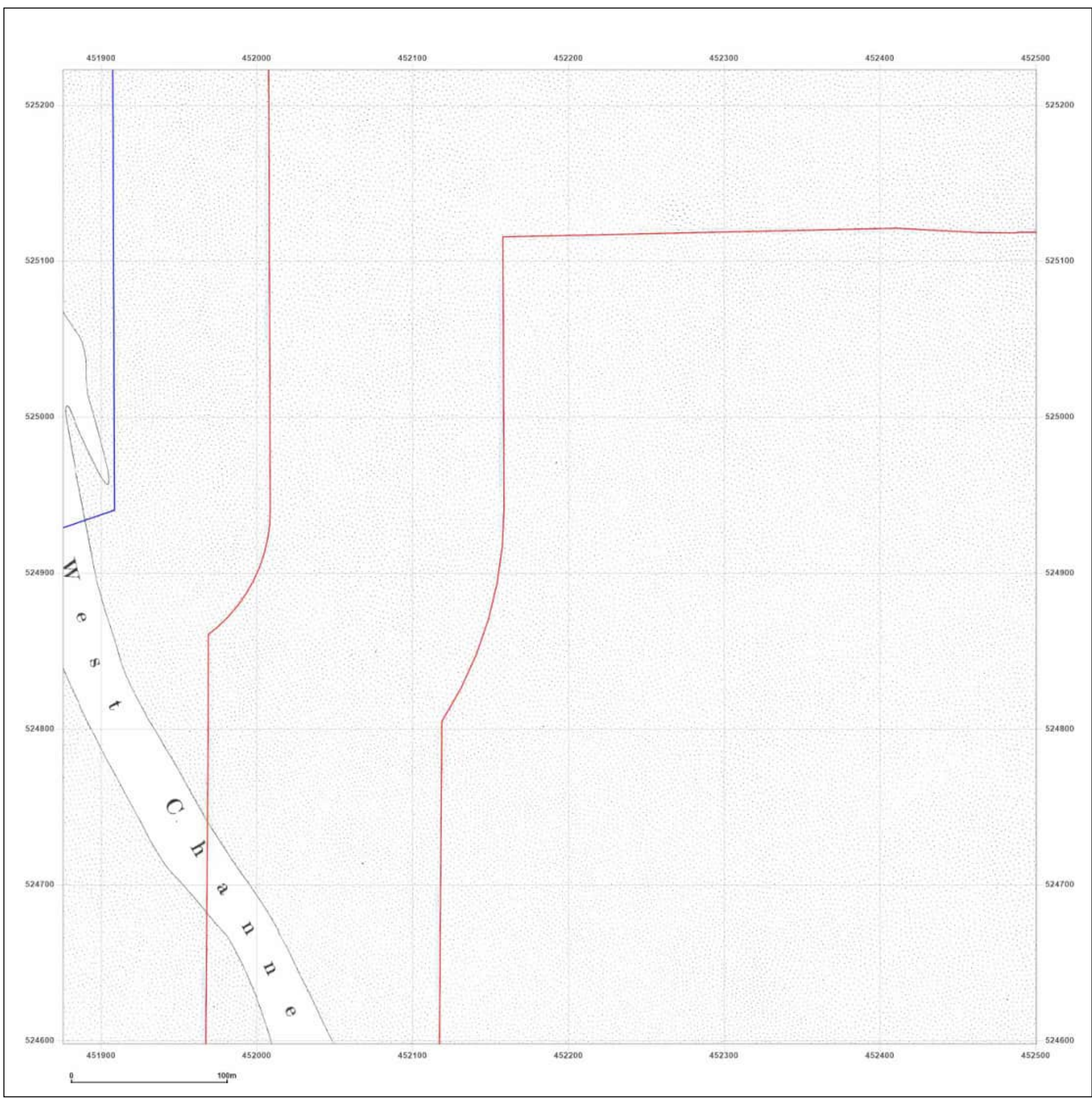


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** County Series

**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

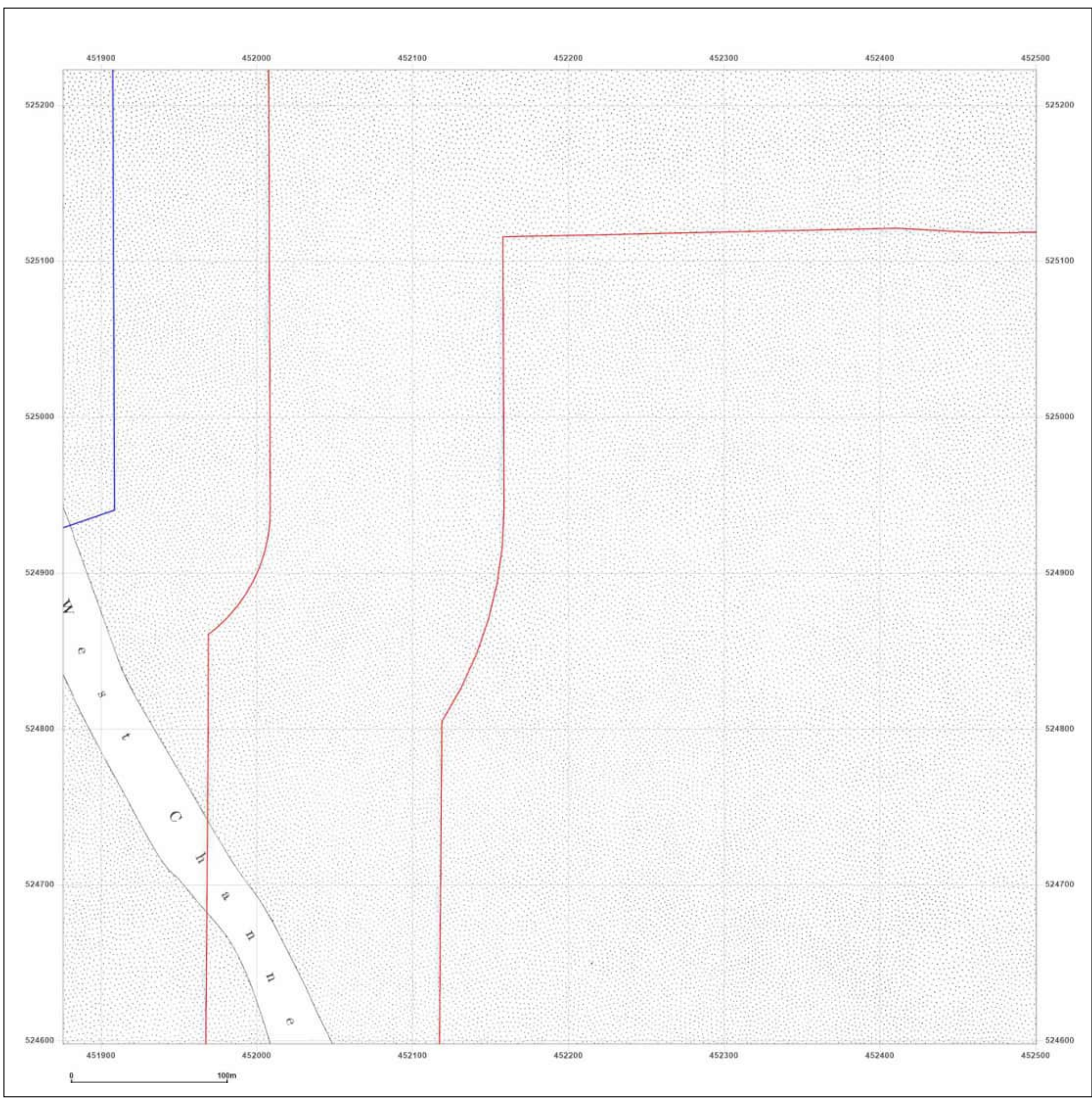


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

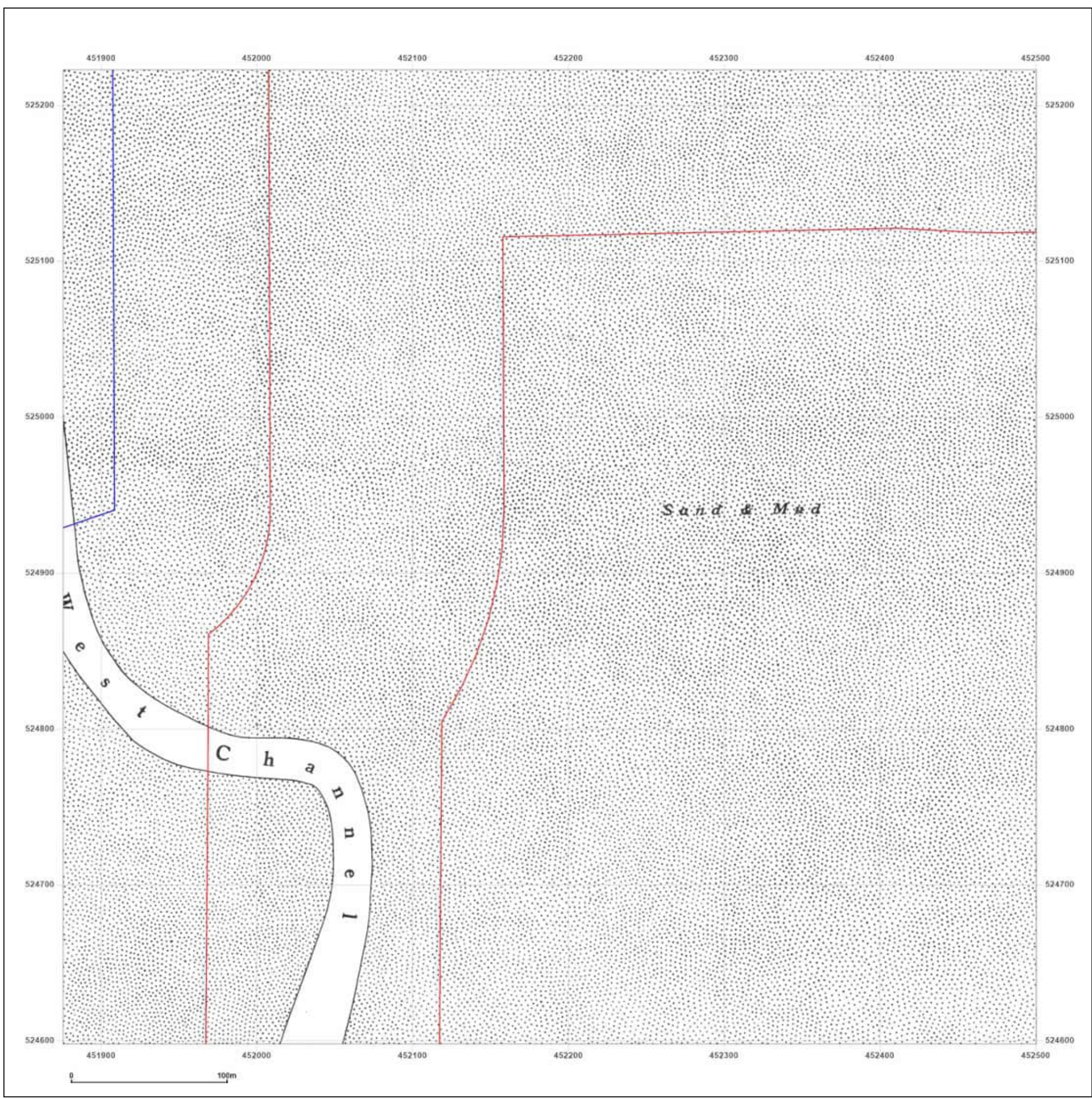


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** National Grid

**Map date:** 1984-1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

Surveyed 1984  
 Revised 1984  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

Surveyed 1986  
 Revised 1986  
 Edition N/A  
 Copyright 1988  
 Levelled 1959

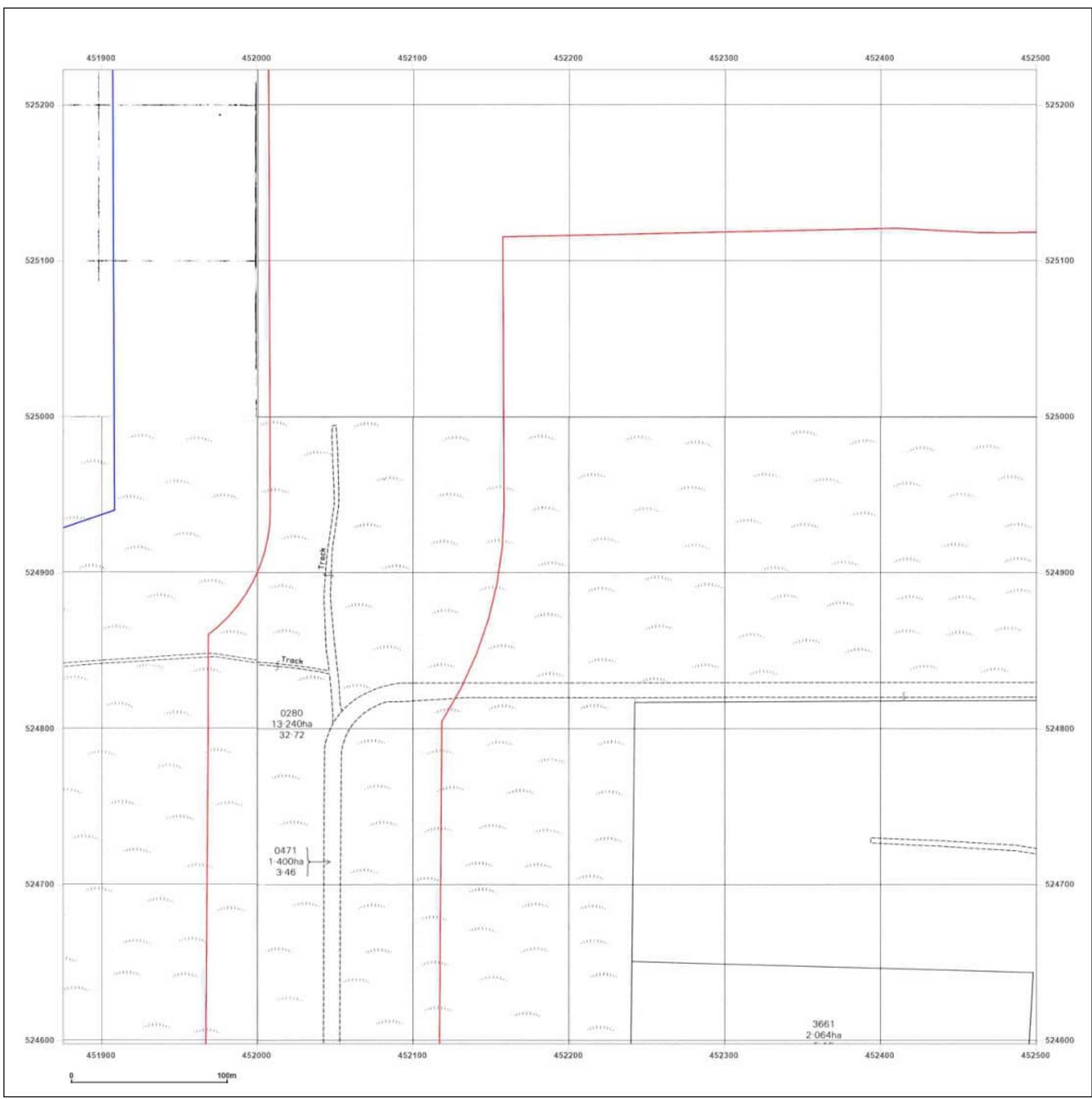


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_3  
**Grid Ref:** 452188, 524910

**Map Name:** National Grid

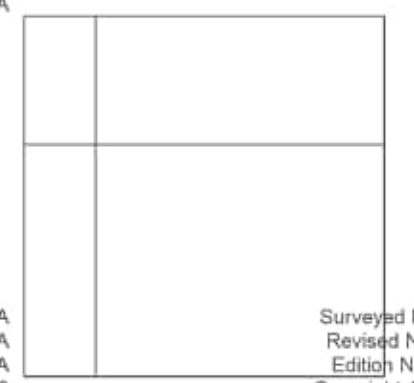
**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

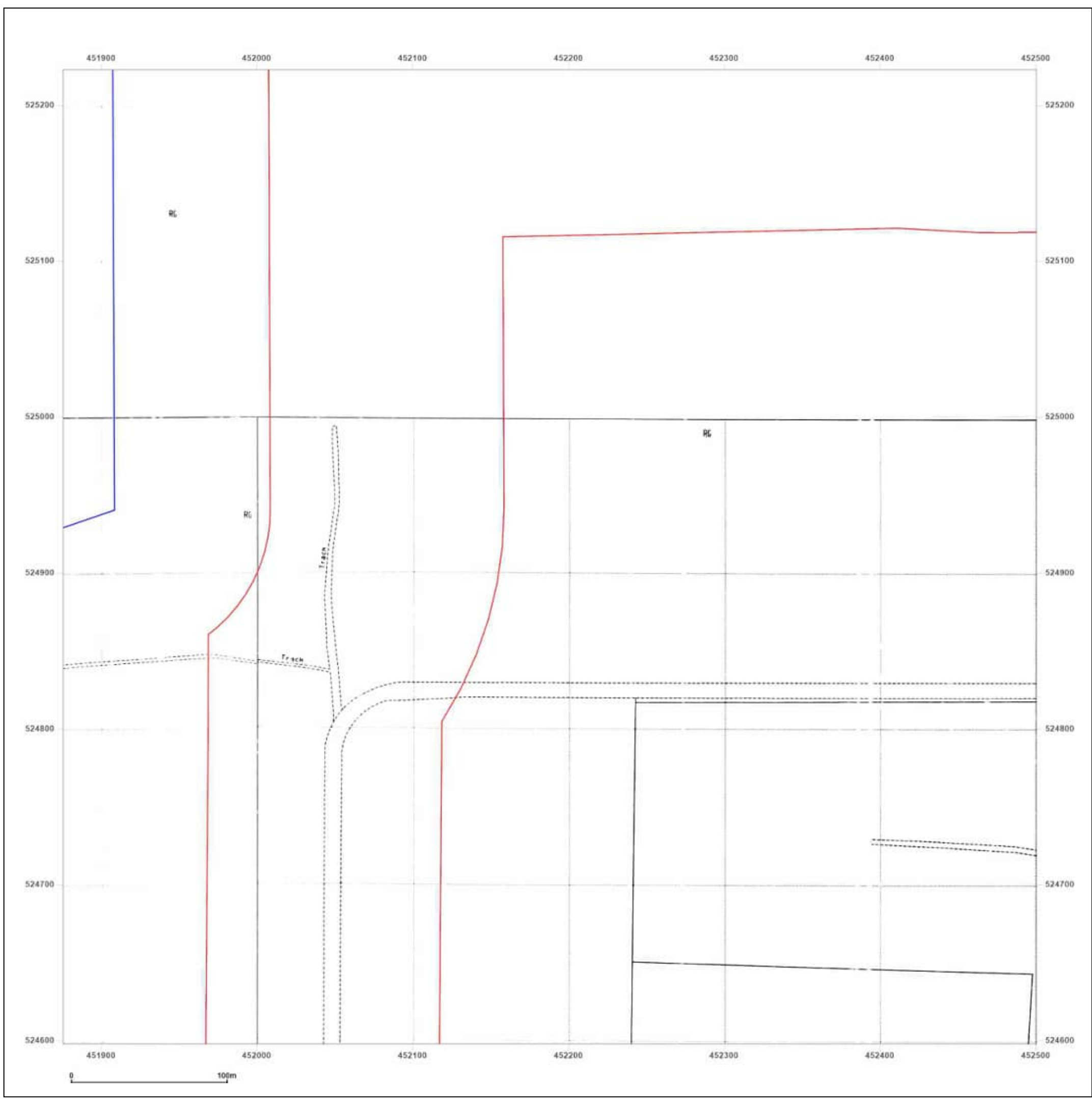


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** National Grid

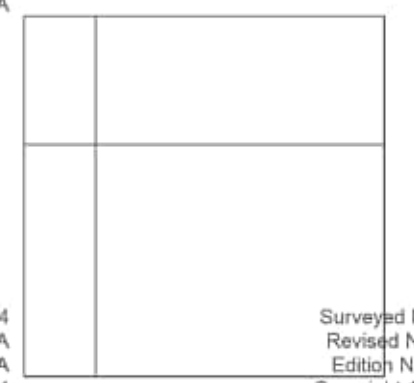
**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A



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 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

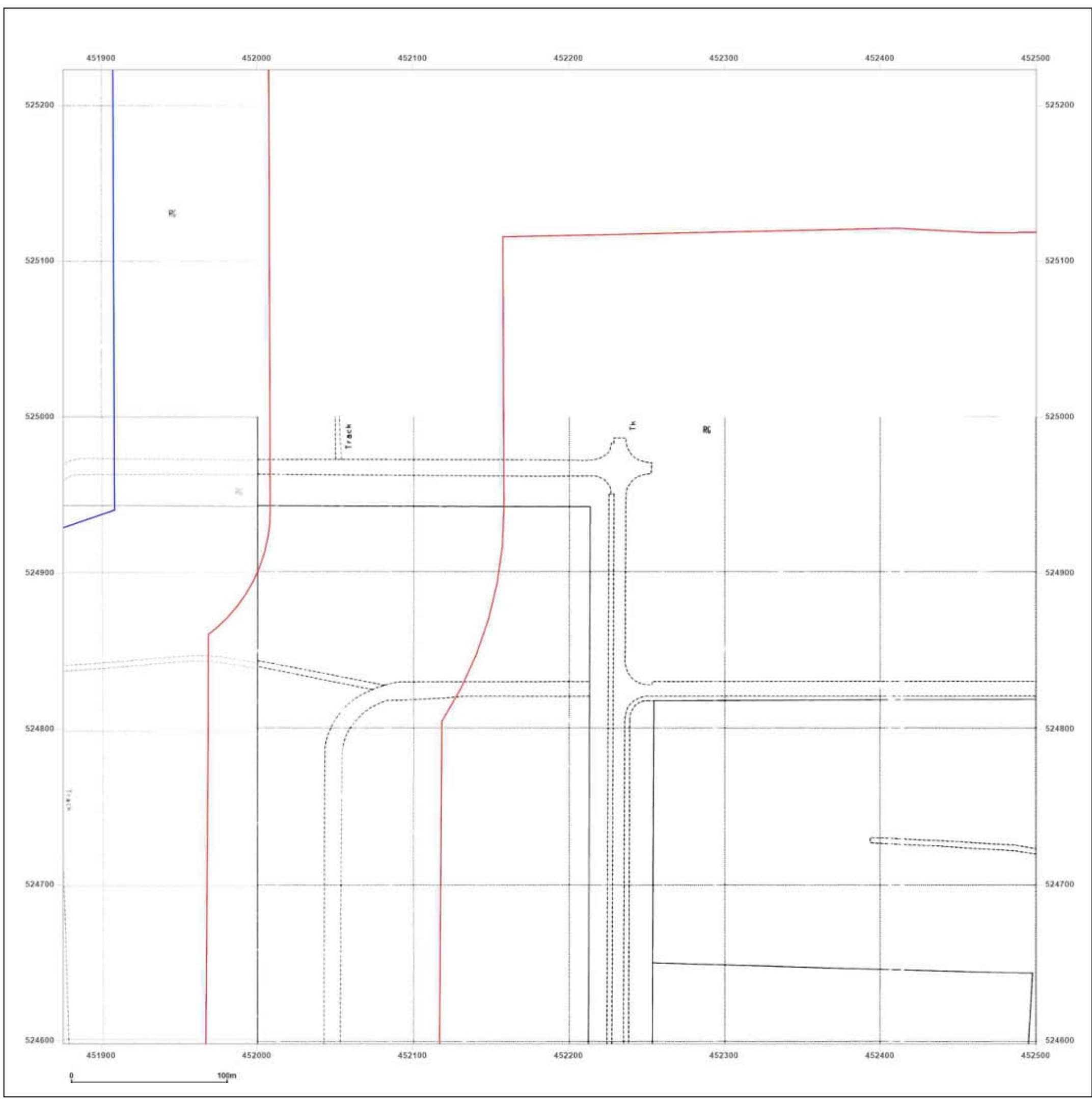


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**Site Details:**

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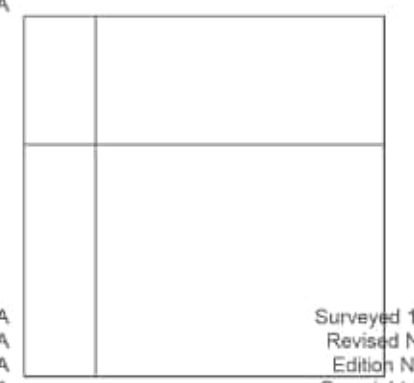
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**Printed at:** 1:2,500



Surveyed 1994  
 Revised 1994  
 Edition N/A  
 Copyright 1994  
 Levelled N/A



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 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

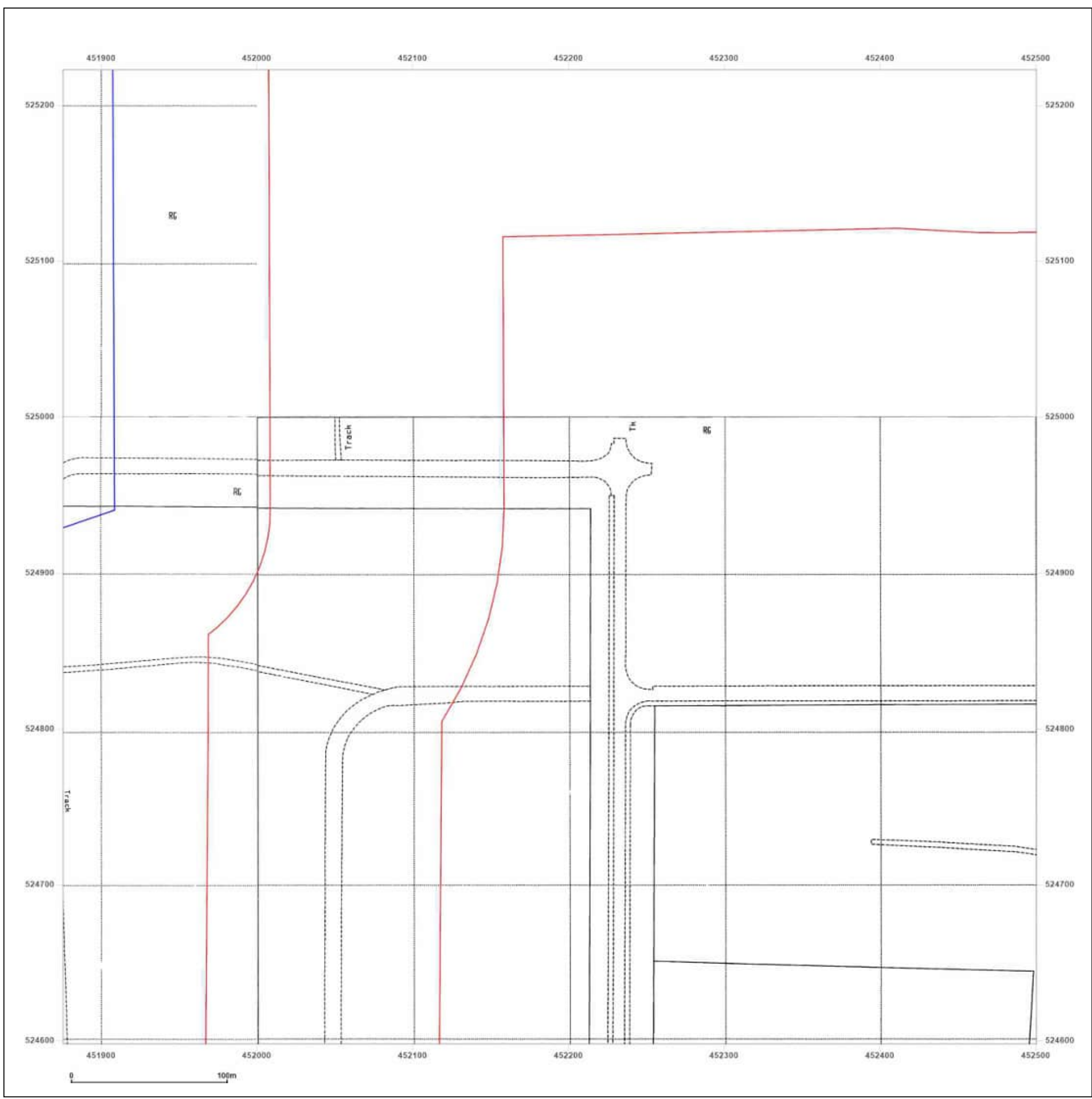


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_4  
**Grid Ref:** 452188, 525535

**Map Name:** County Series

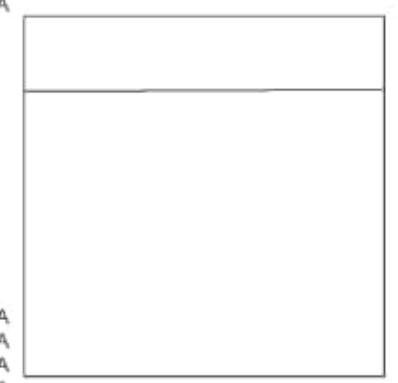
**Map date:** 1857

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1857  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

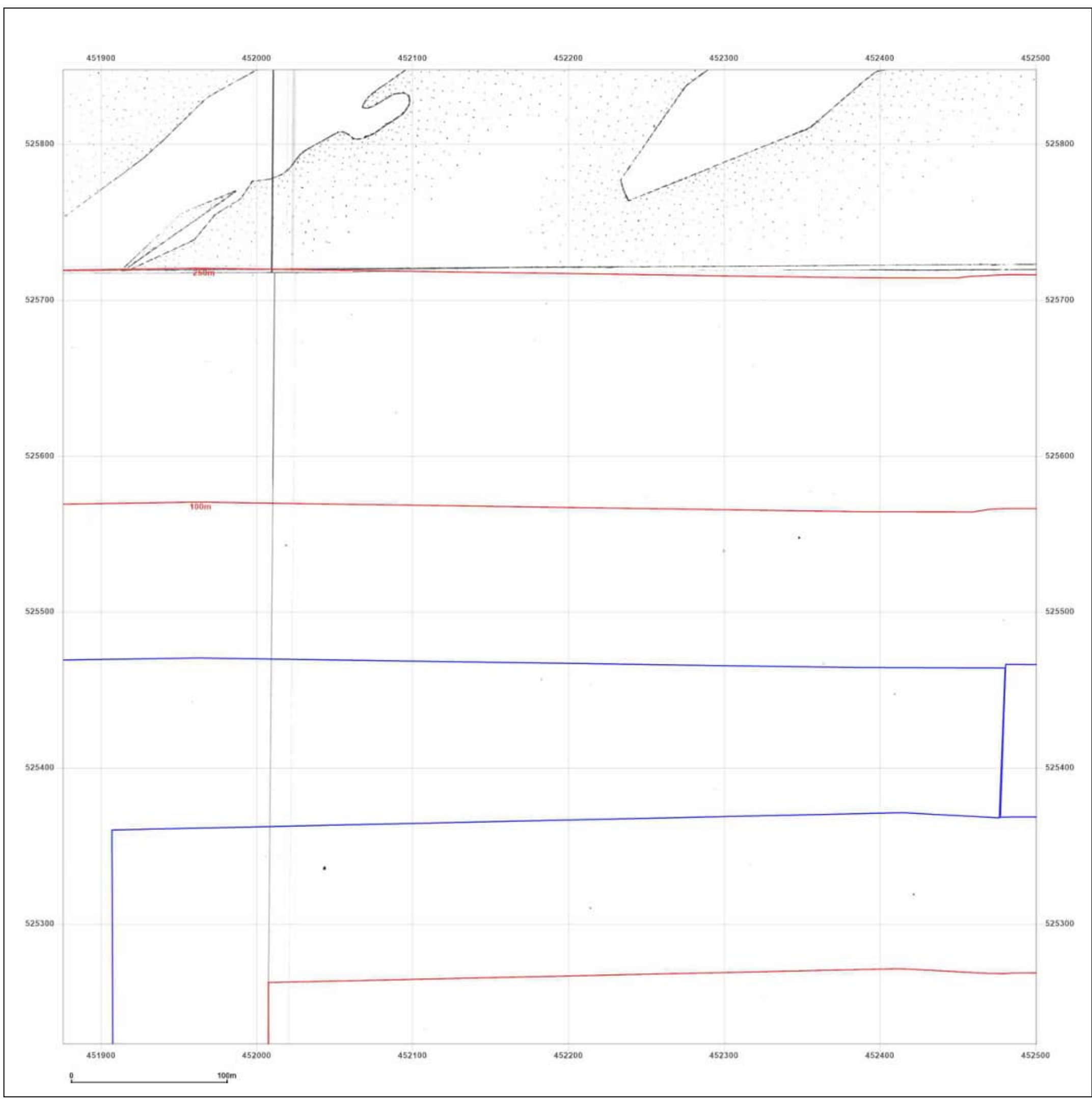


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**Site Details:**

WaveCrest - Teeside

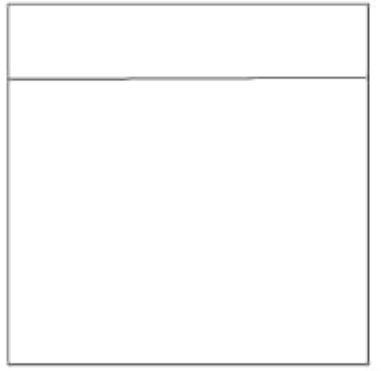
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**Grid Ref:** 452188, 525535

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**Scale:** 1:2,500

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Surveyed 1857  
 Revised 1857  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

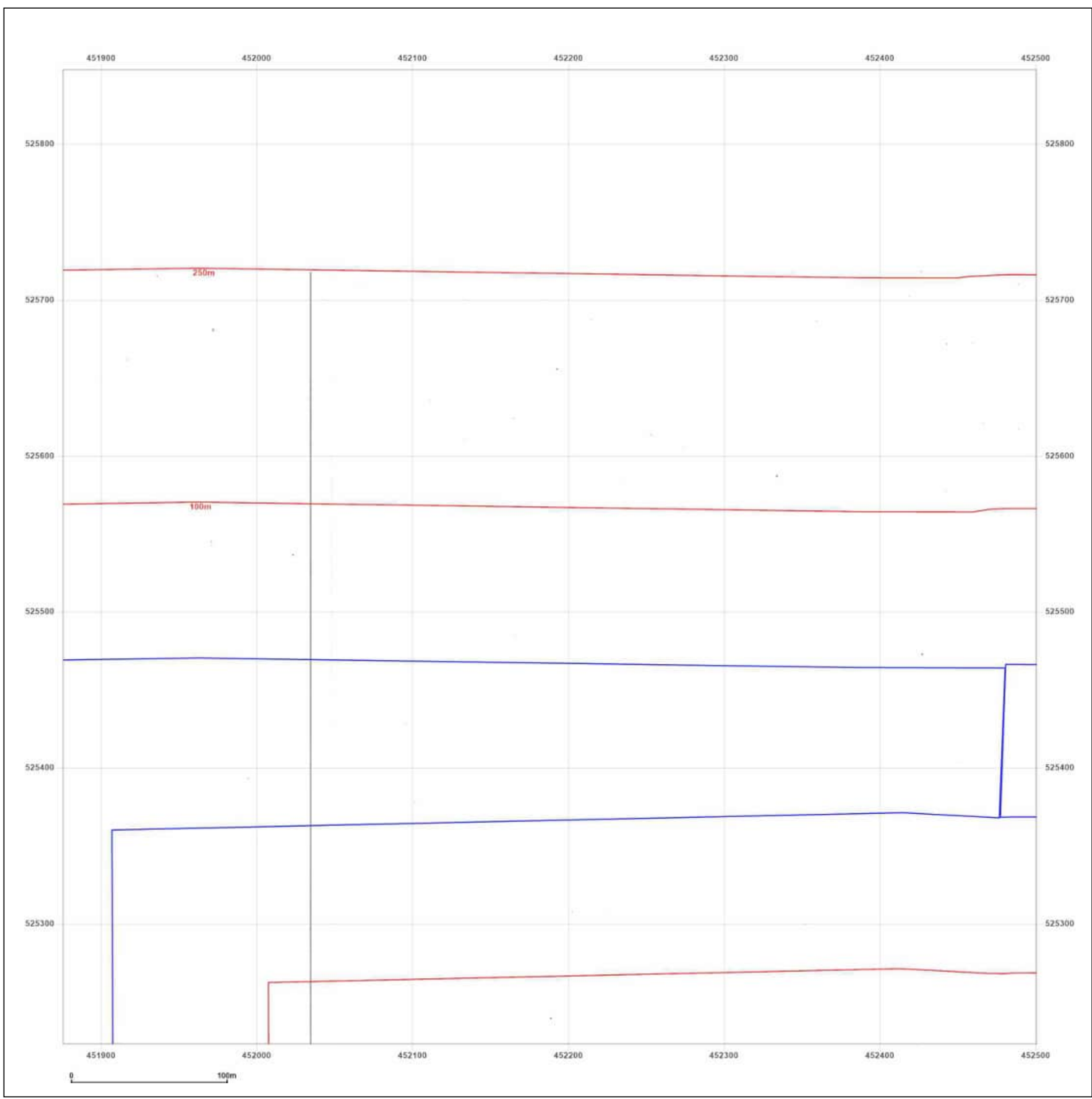


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**Site Details:**

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**Map Name:** County Series

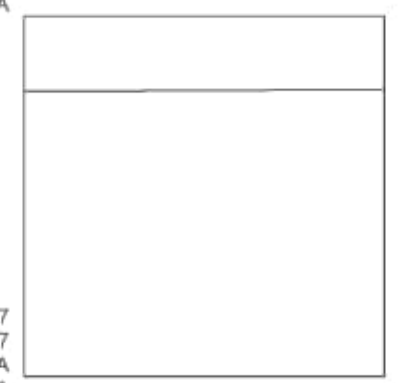
**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

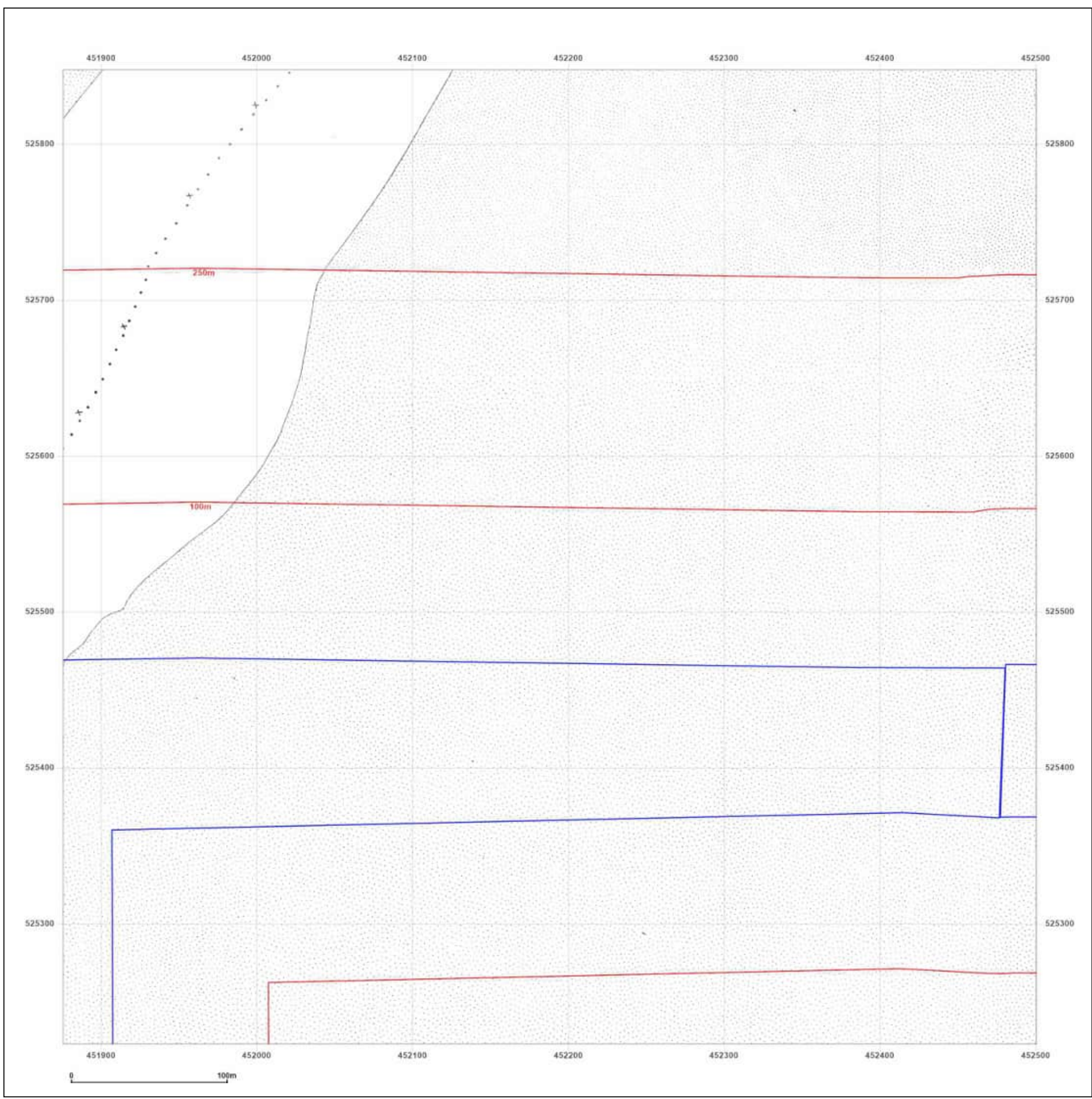


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**Site Details:**

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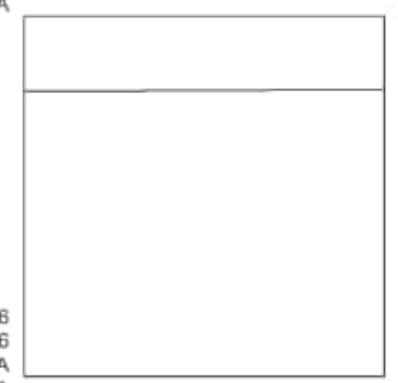
**Map date:** 1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

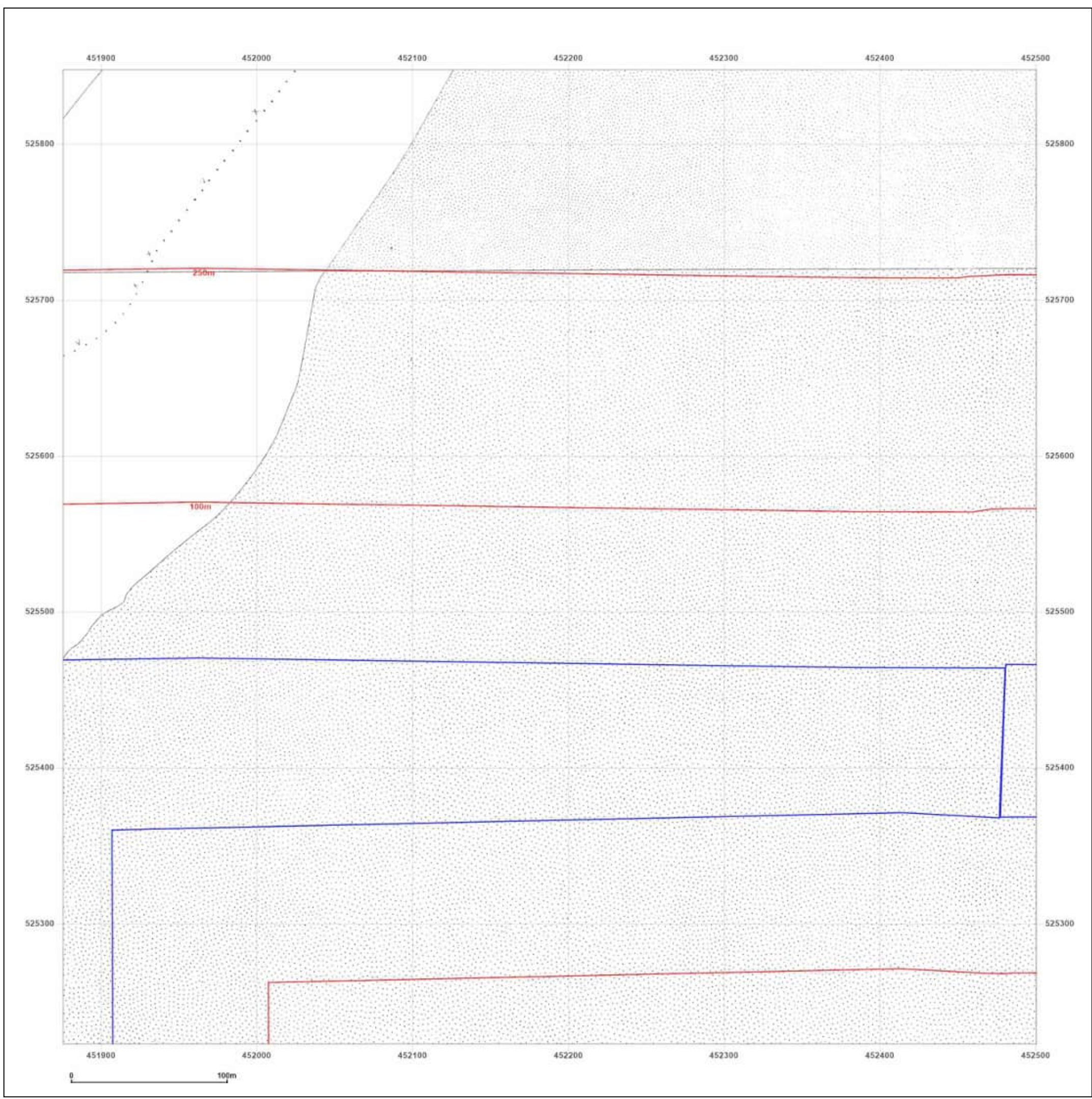


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** County Series

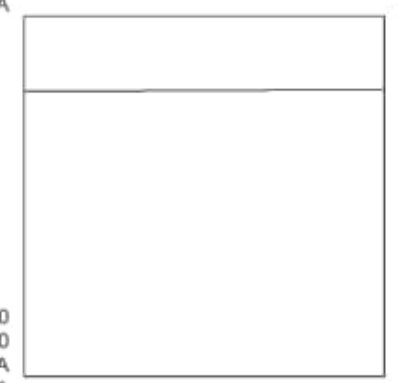
**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

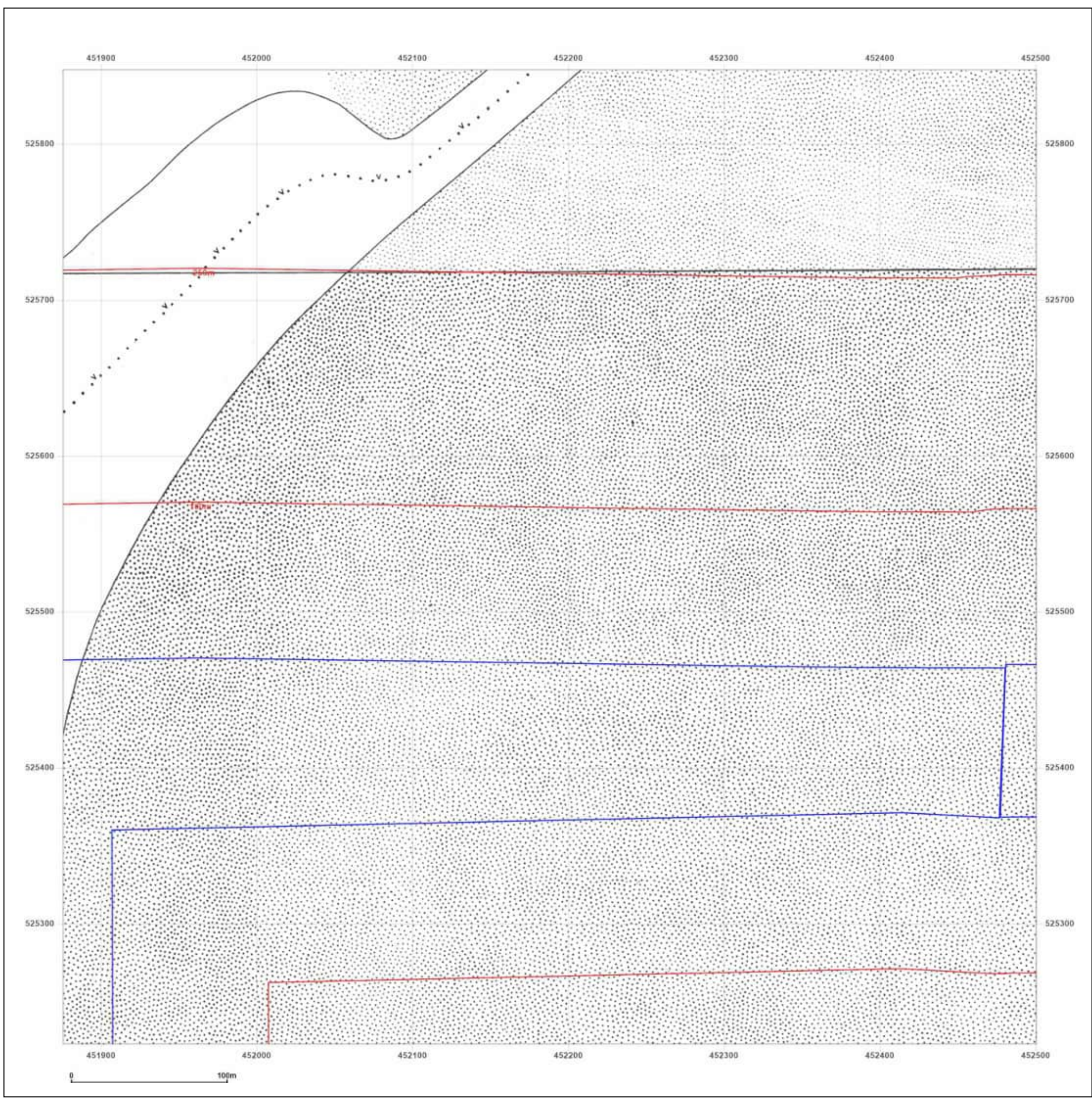


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_2\_4  
**Grid Ref:** 452188, 525535

**Map Name:** National Grid

**Map date:** 1985-1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1959  
 Revised 1985  
 Edition N/A  
 Copyright 1985  
 Levelled 1959

Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

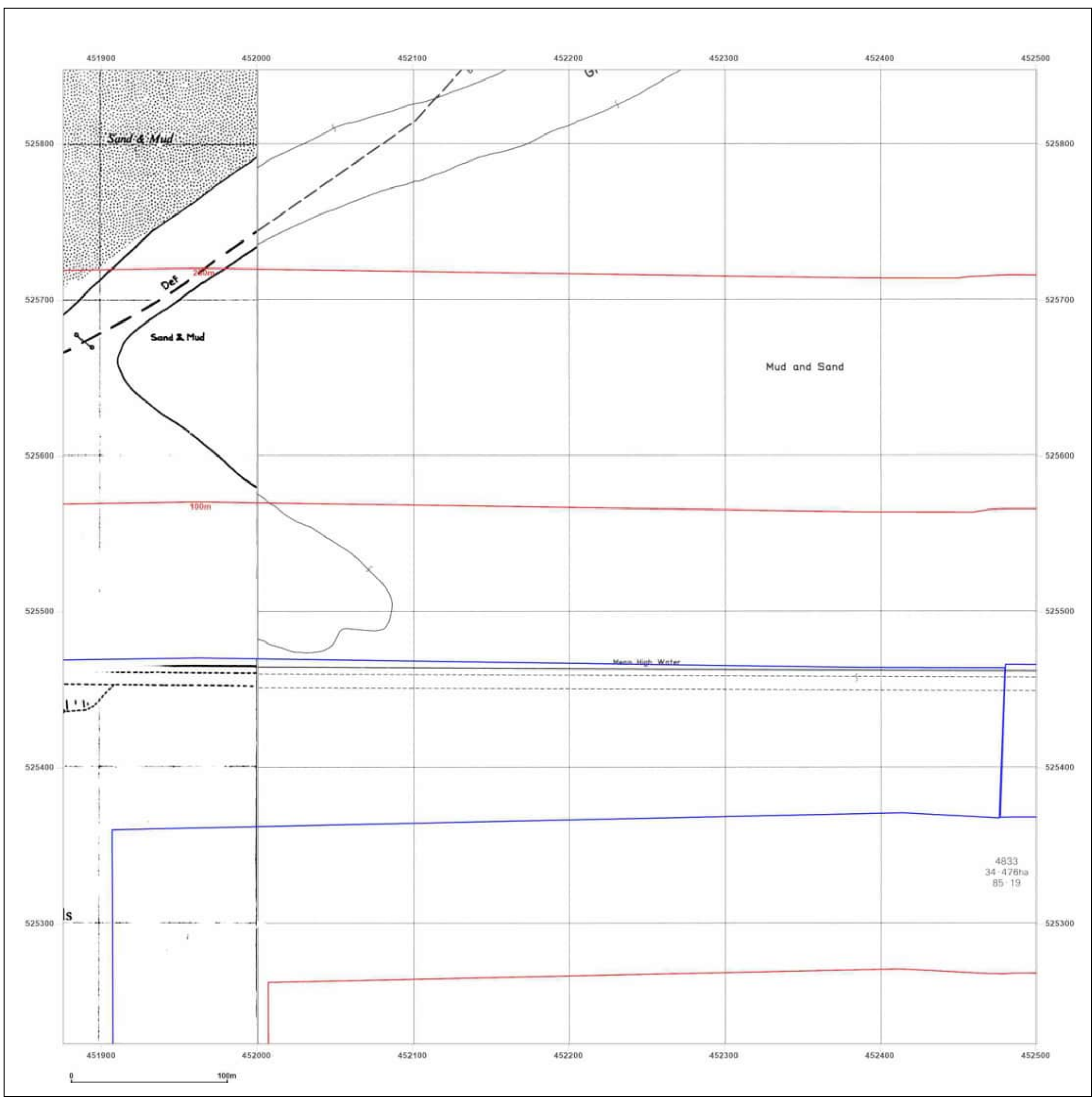


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
**Grid Ref:** 452813, 524285

**Map Name:** County Series

**Map date:** 1894-1898

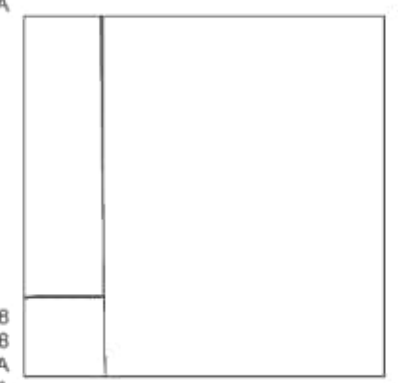
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**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

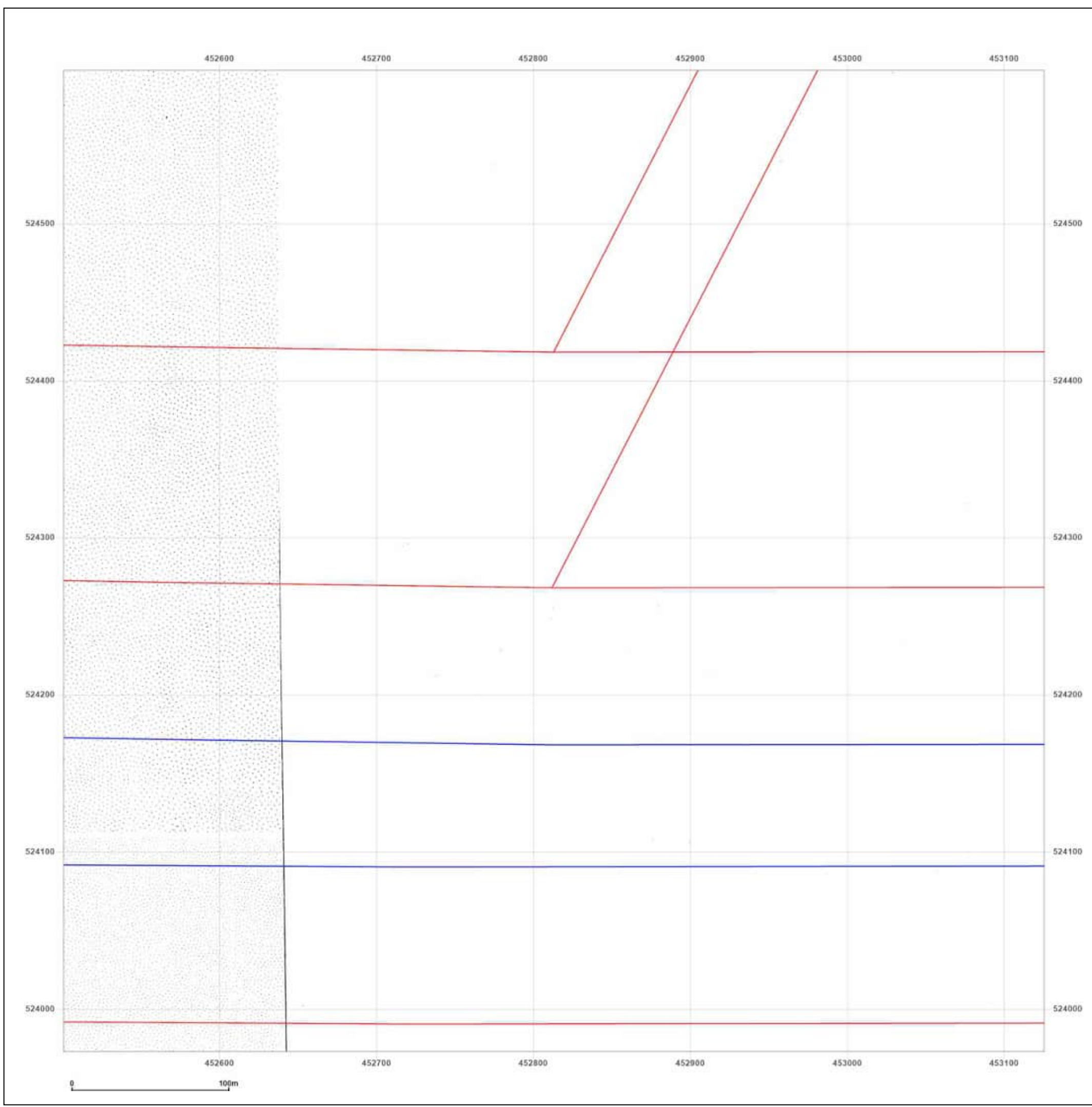


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**Site Details:**

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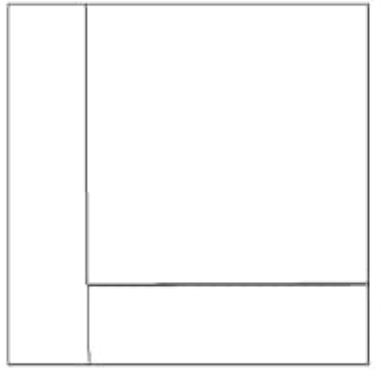
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**Map Name:** County Series

**Map date:** 1897-1898

**Scale:** 1:2,500

**Printed at:** 1:2,500

Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
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Surveyed 1898  
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 Edition N/A  
 Copyright N/A  
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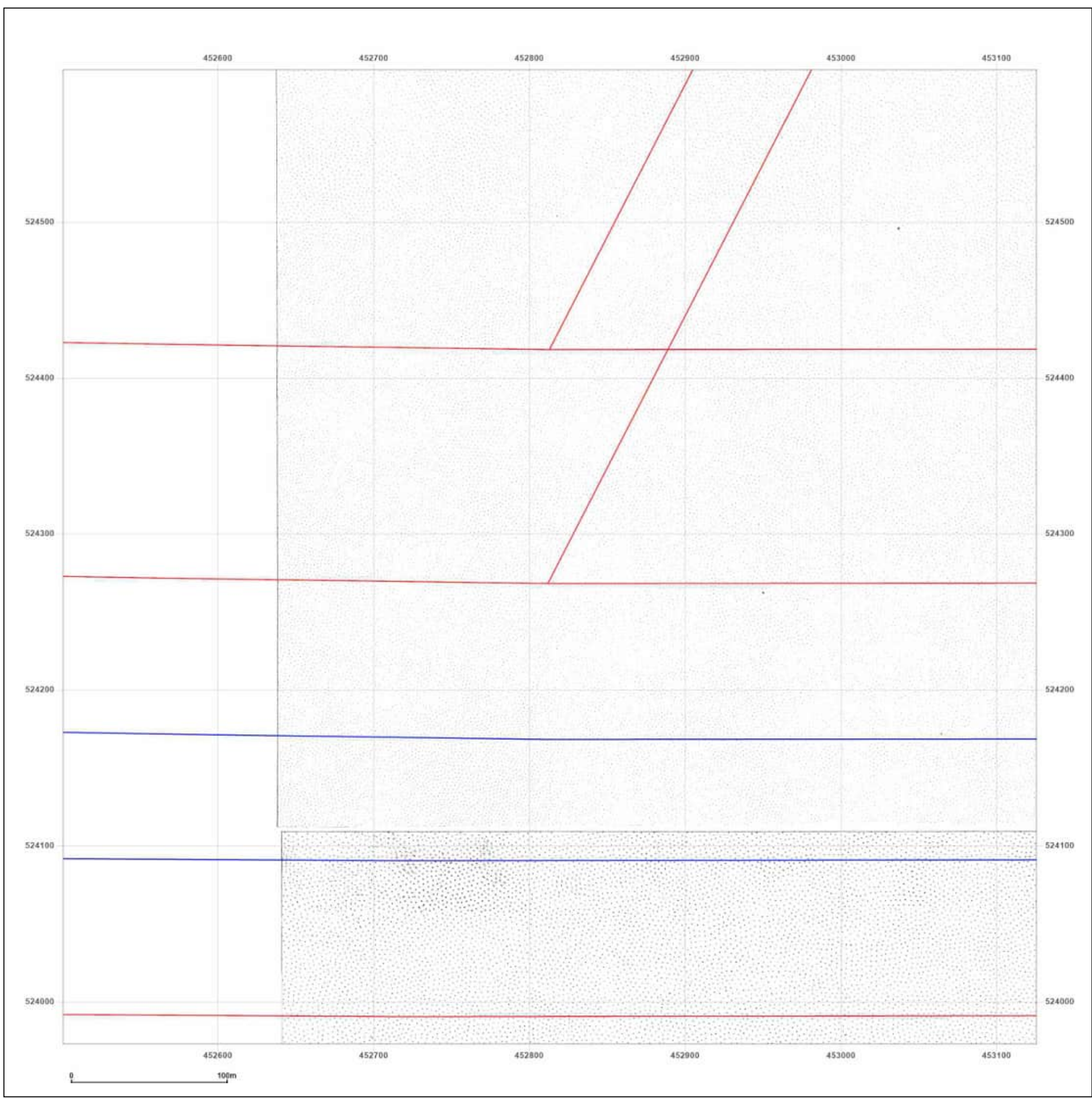


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
**Grid Ref:** 452813, 524285

**Map Name:** County Series

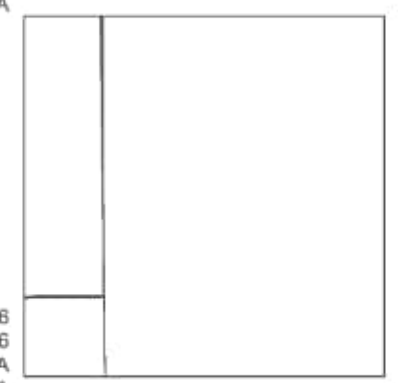
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1916  
 Revised 1916  
 Edition N/A  
 Copyright N/A  
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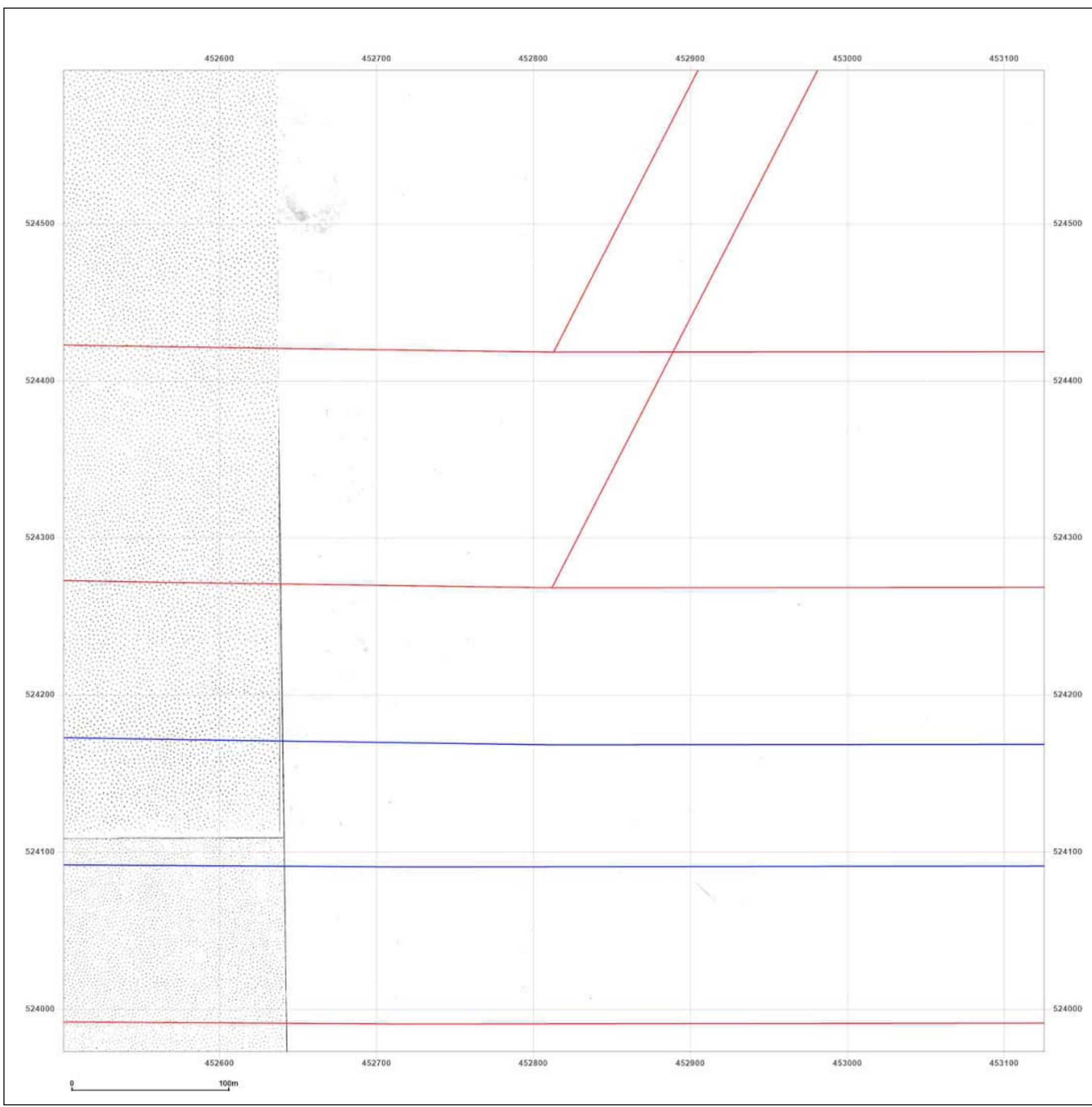


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
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**Map Name:** County Series

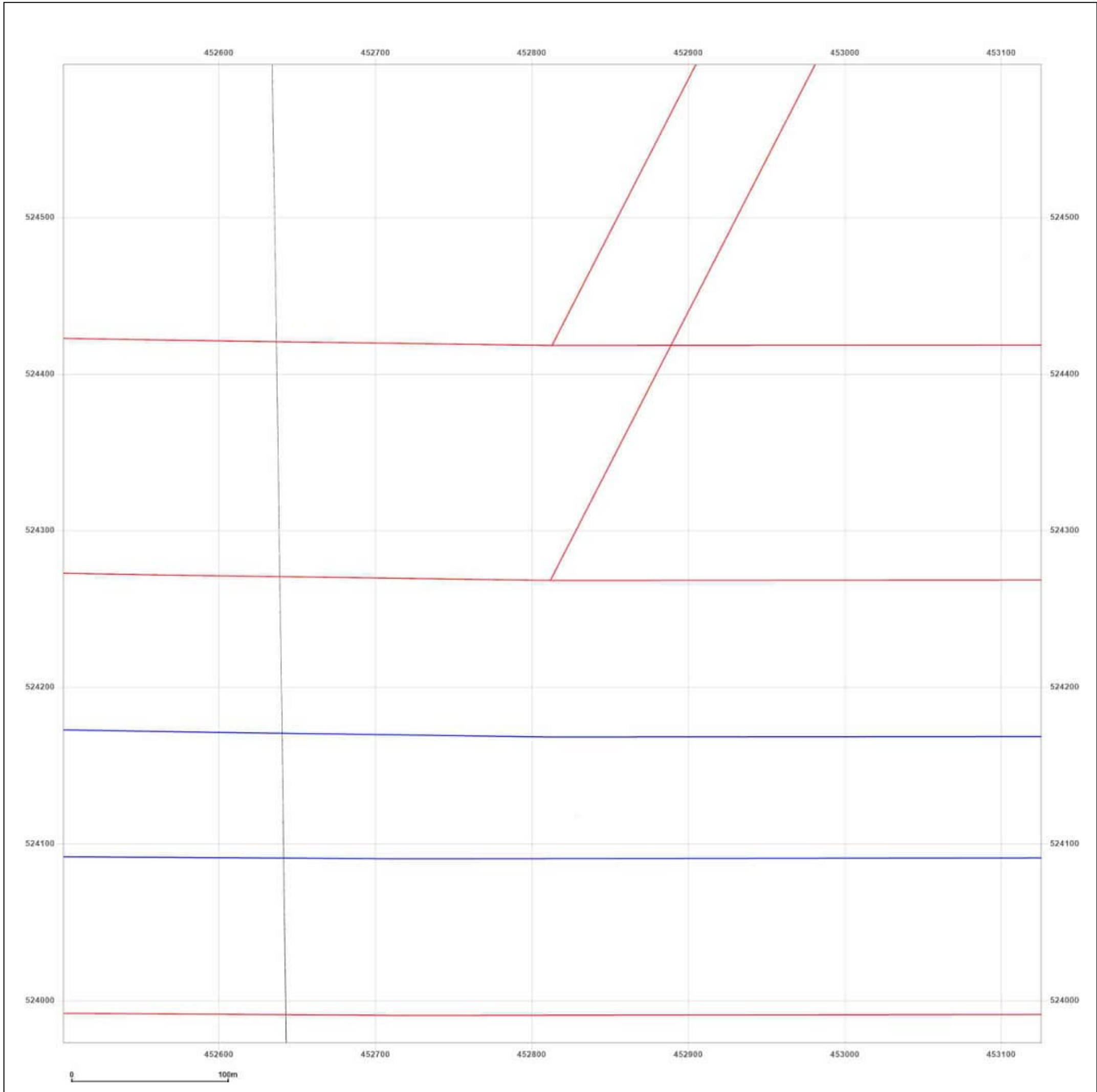
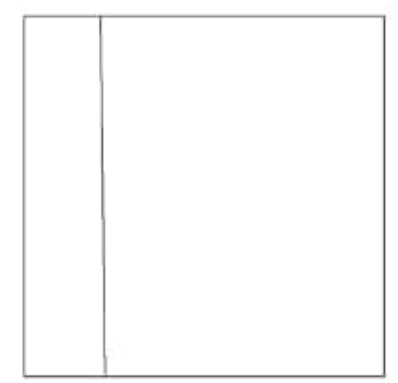
**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Revised 1929  
 Edition N/A  
 Copyright N/A  
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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
**Grid Ref:** 452813, 524285

**Map Name:** County Series

**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940 Revised 1940 Edition N/A Copyright N/A Levelled N/A	Surveyed 1939 Revised 1939 Edition N/A Copyright N/A Levelled N/A
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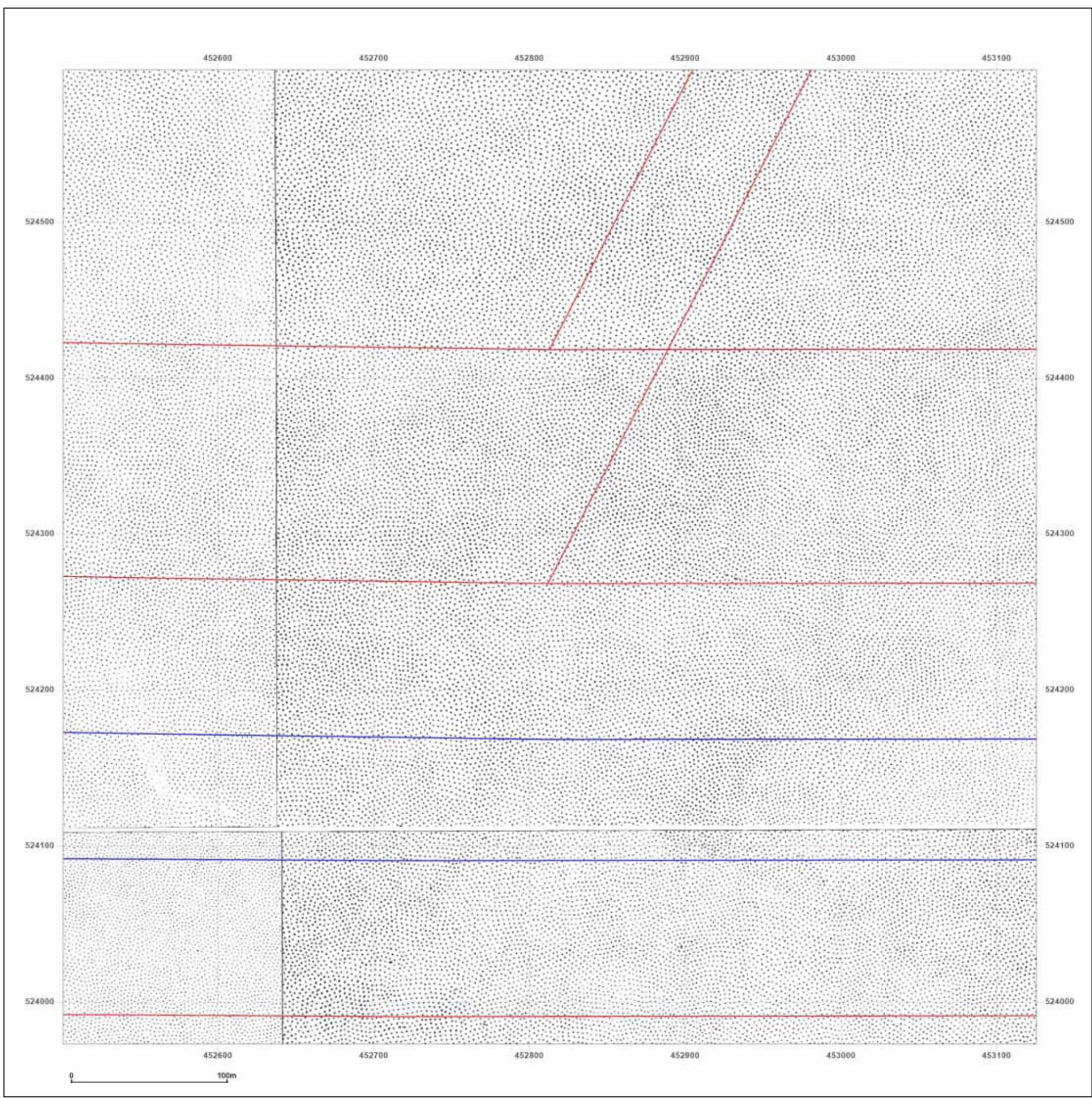


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**Site Details:**

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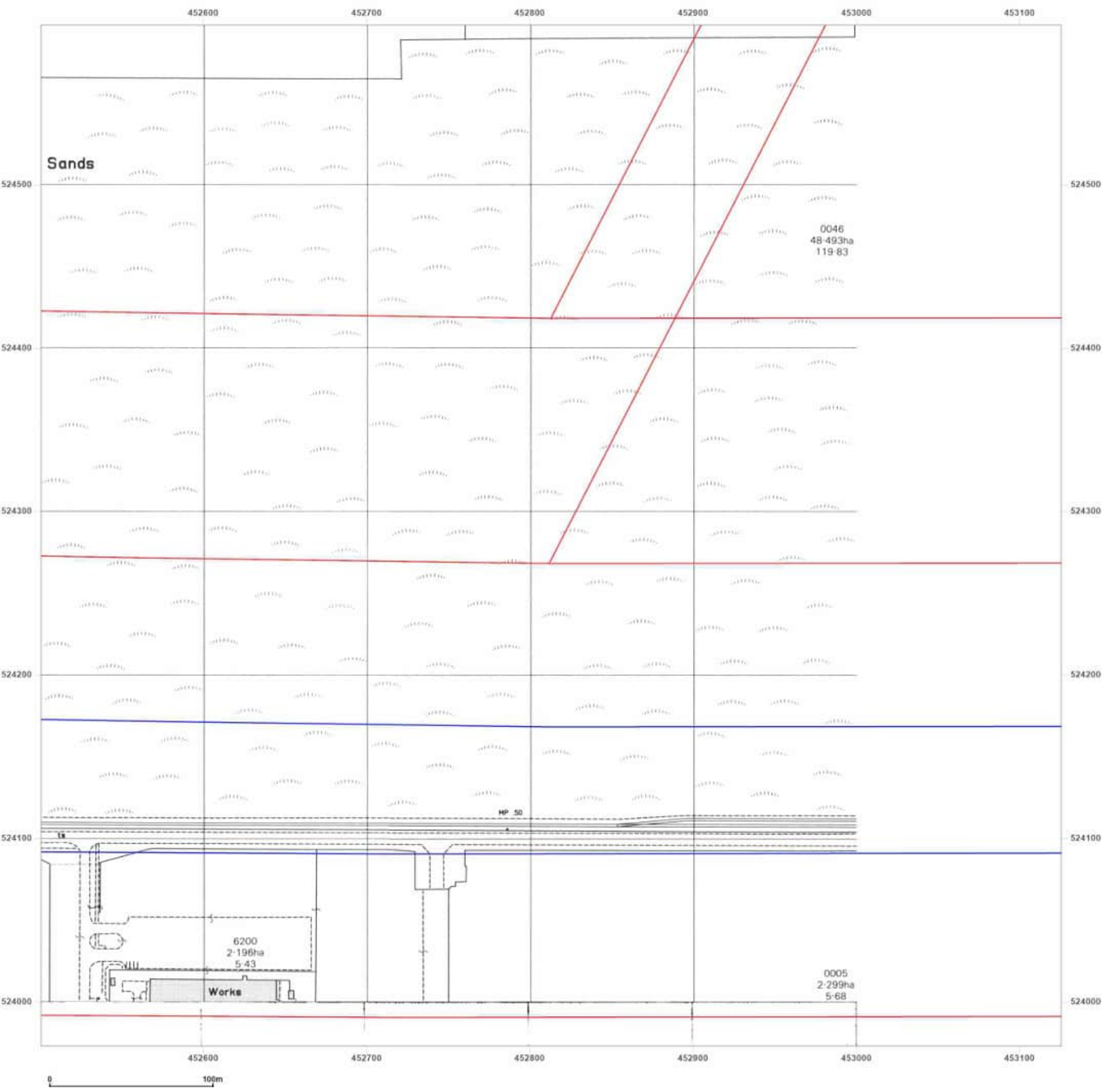
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**Map Name:** National Grid

**Map date:** 1984-1986

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Revised 1988  
 Edition N/A  
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Surveyed 1959  
 Revised 1984  
 Edition N/A  
 Copyright 1984  
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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
**Grid Ref:** 452813, 524285

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1993  
 Levelled N/A

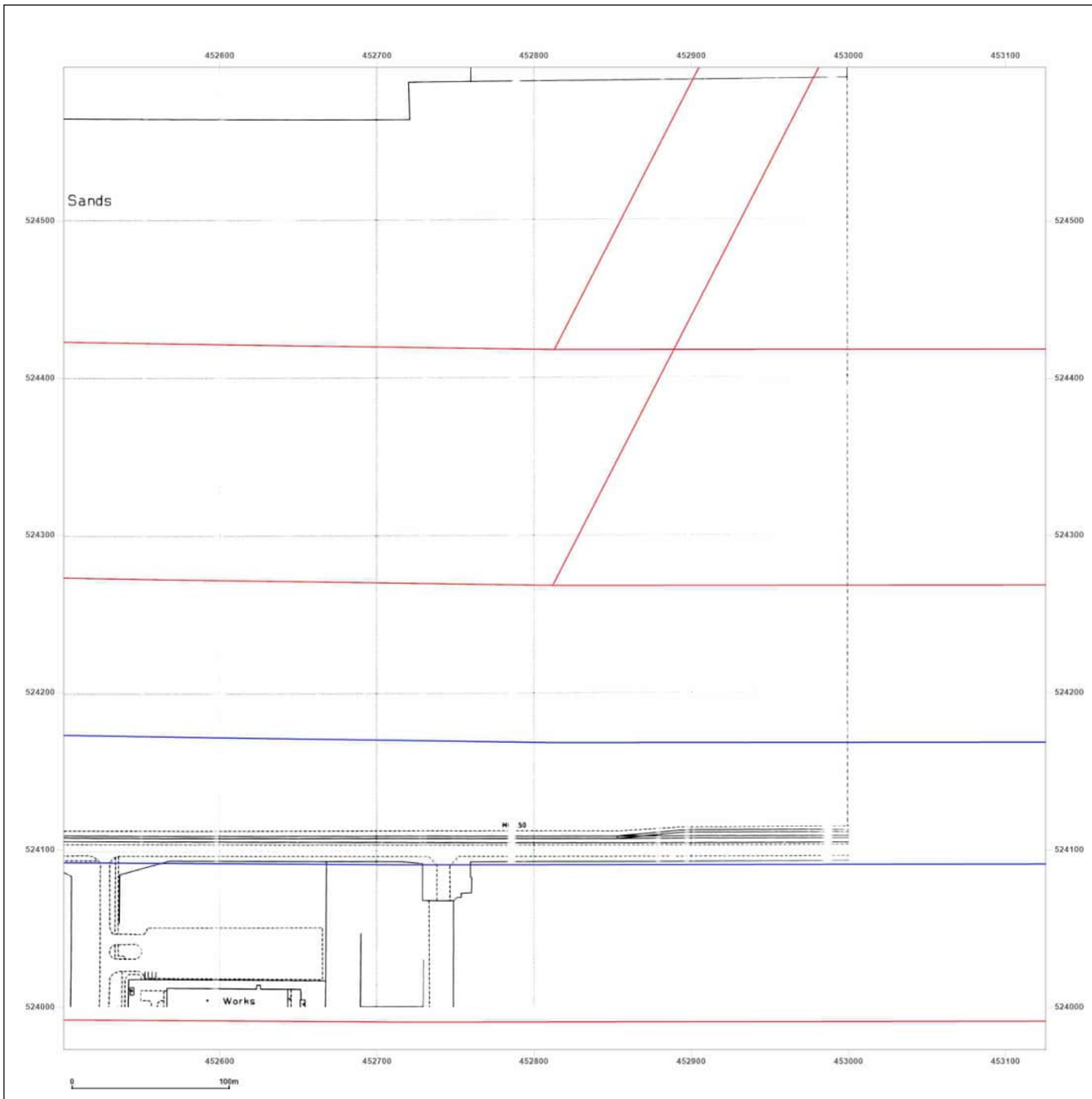


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** National Grid

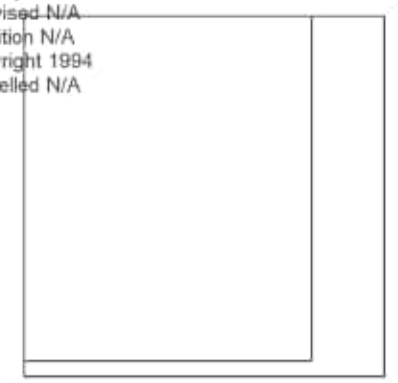
**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright 1994  
 Levelled N/A

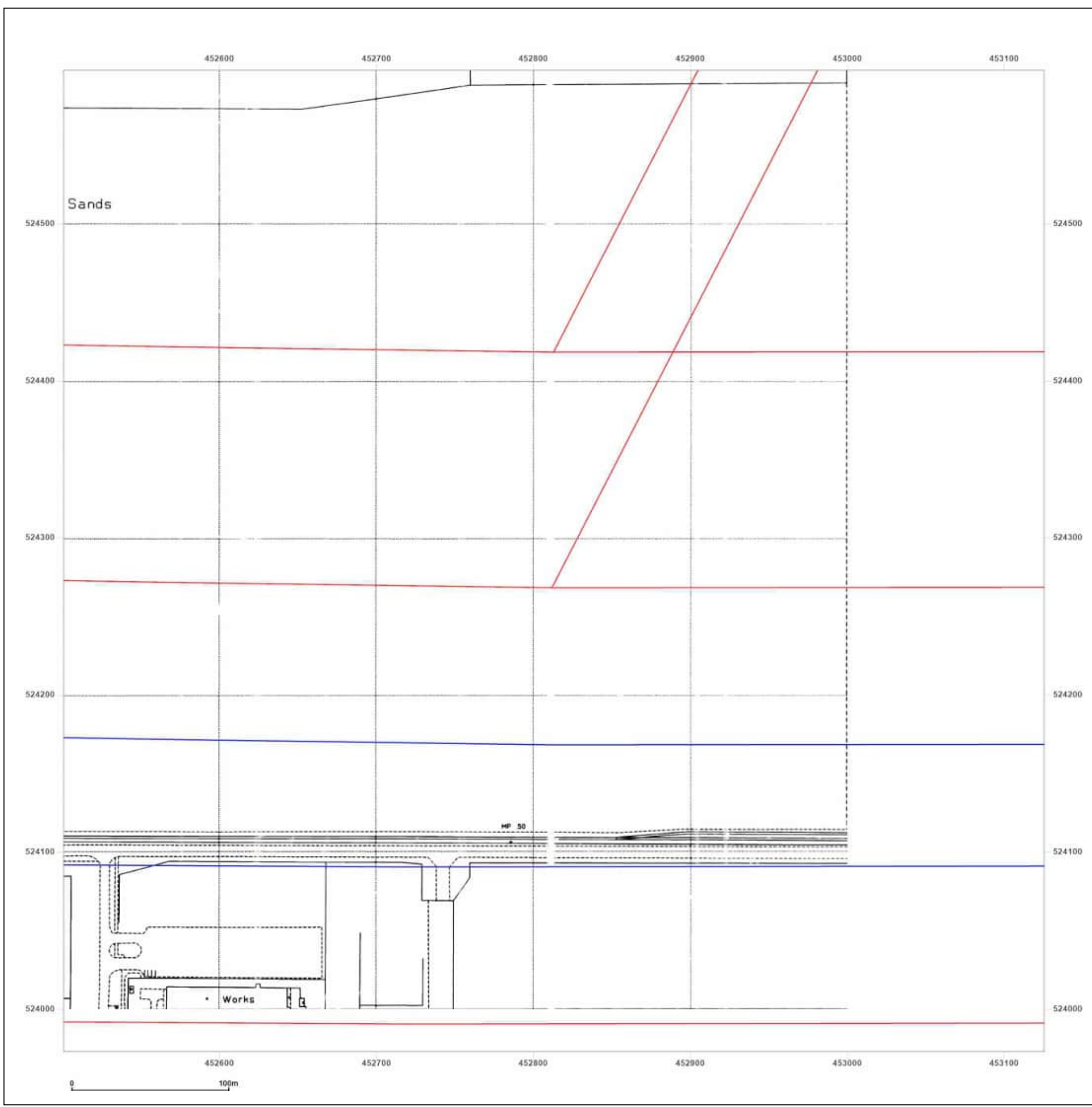


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_2  
**Grid Ref:** 452813, 524285

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1994  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

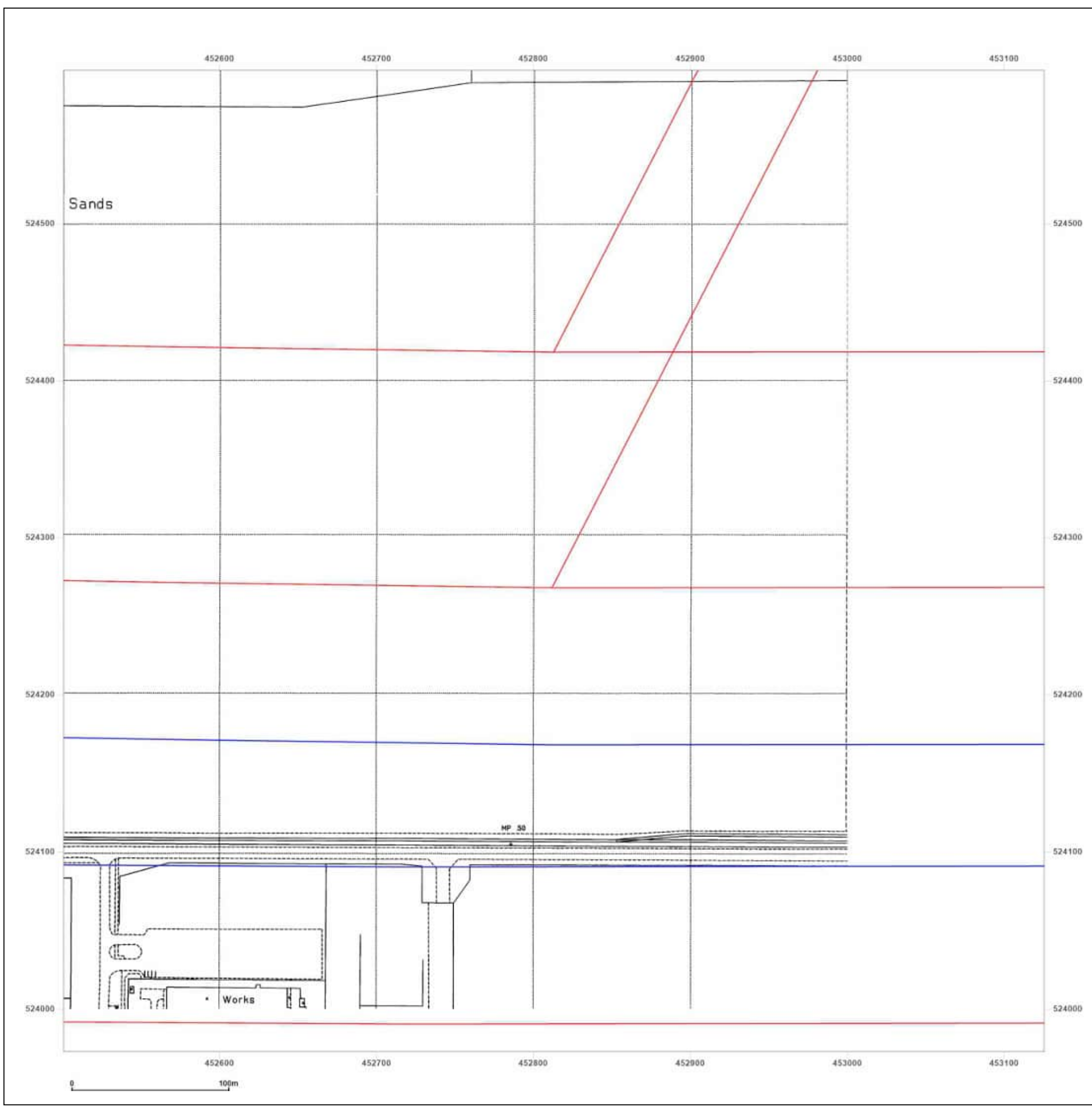


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**Site Details:**

WaveCrest - Teeside

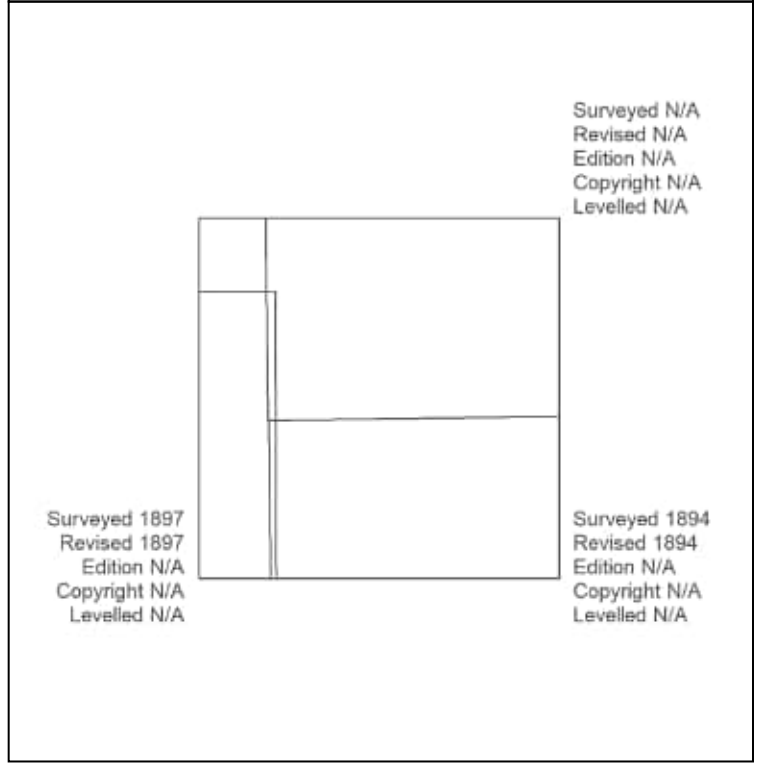
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**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_4  
**Grid Ref:** 452813, 525535

**Map Name:** County Series

**Map date:** 1894-1897

**Scale:** 1:2,500

**Printed at:** 1:2,500

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

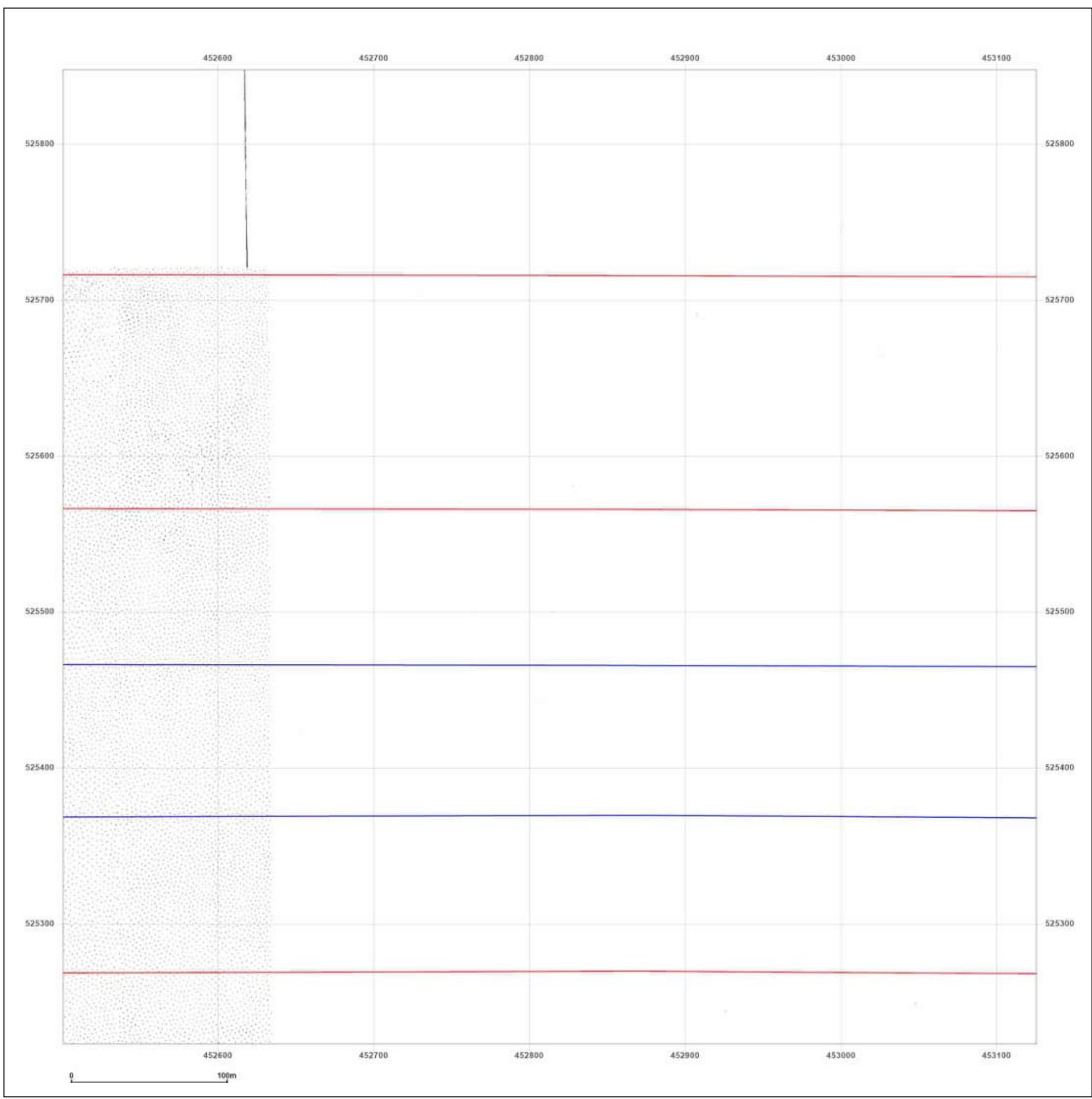


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**Site Details:**

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**Grid Ref:** 452813, 525535

**Map Name:** County Series

**Map date:** 1897

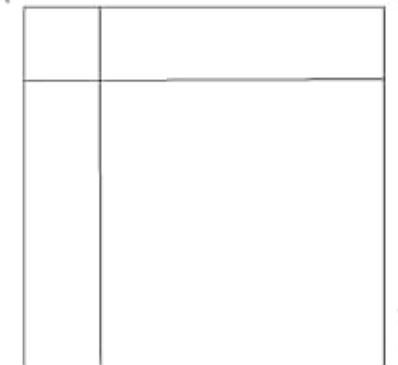
**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

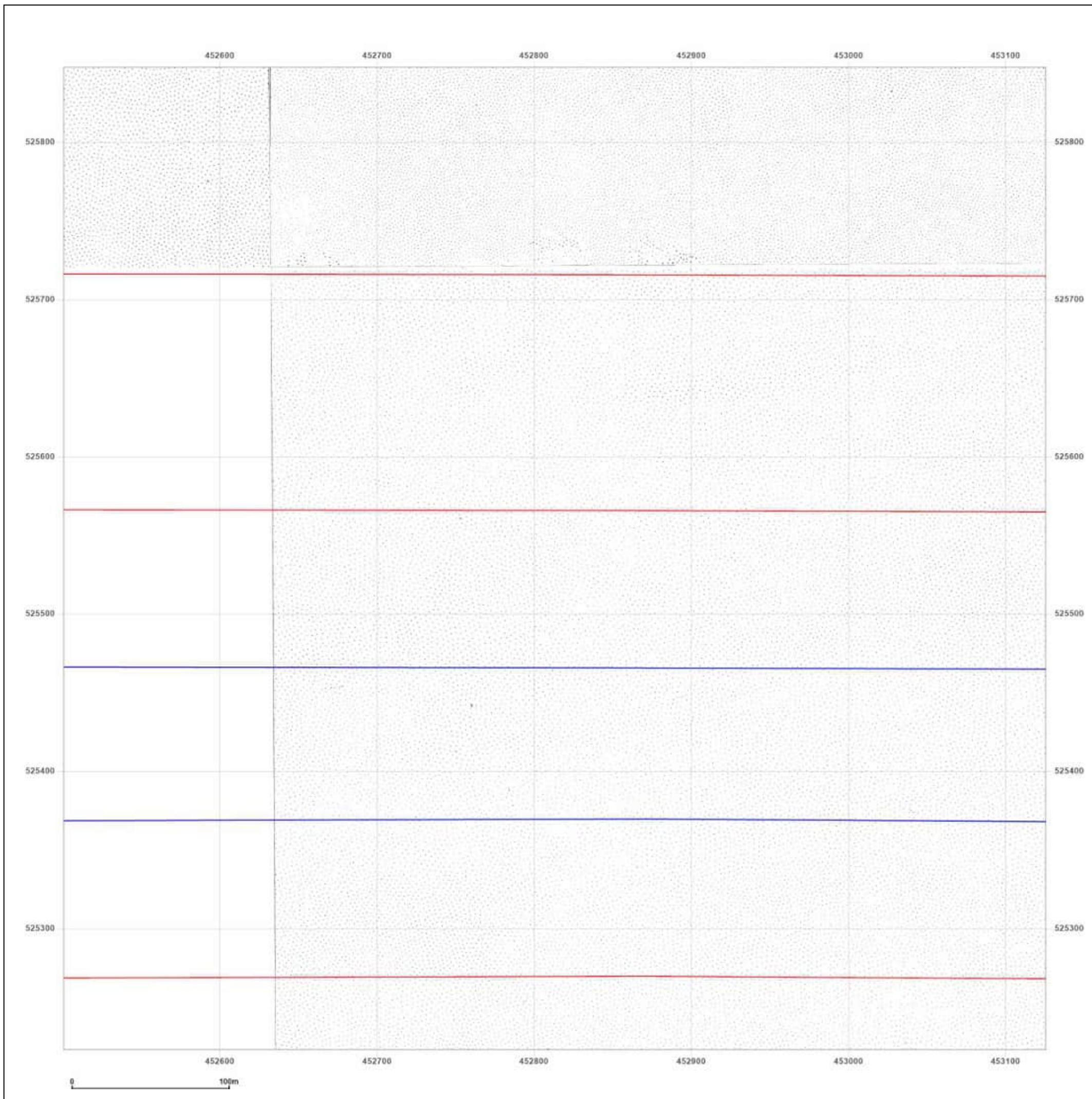


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**Site Details:**

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**Grid Ref:** 452813, 525535

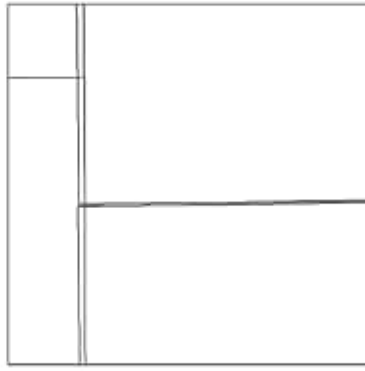
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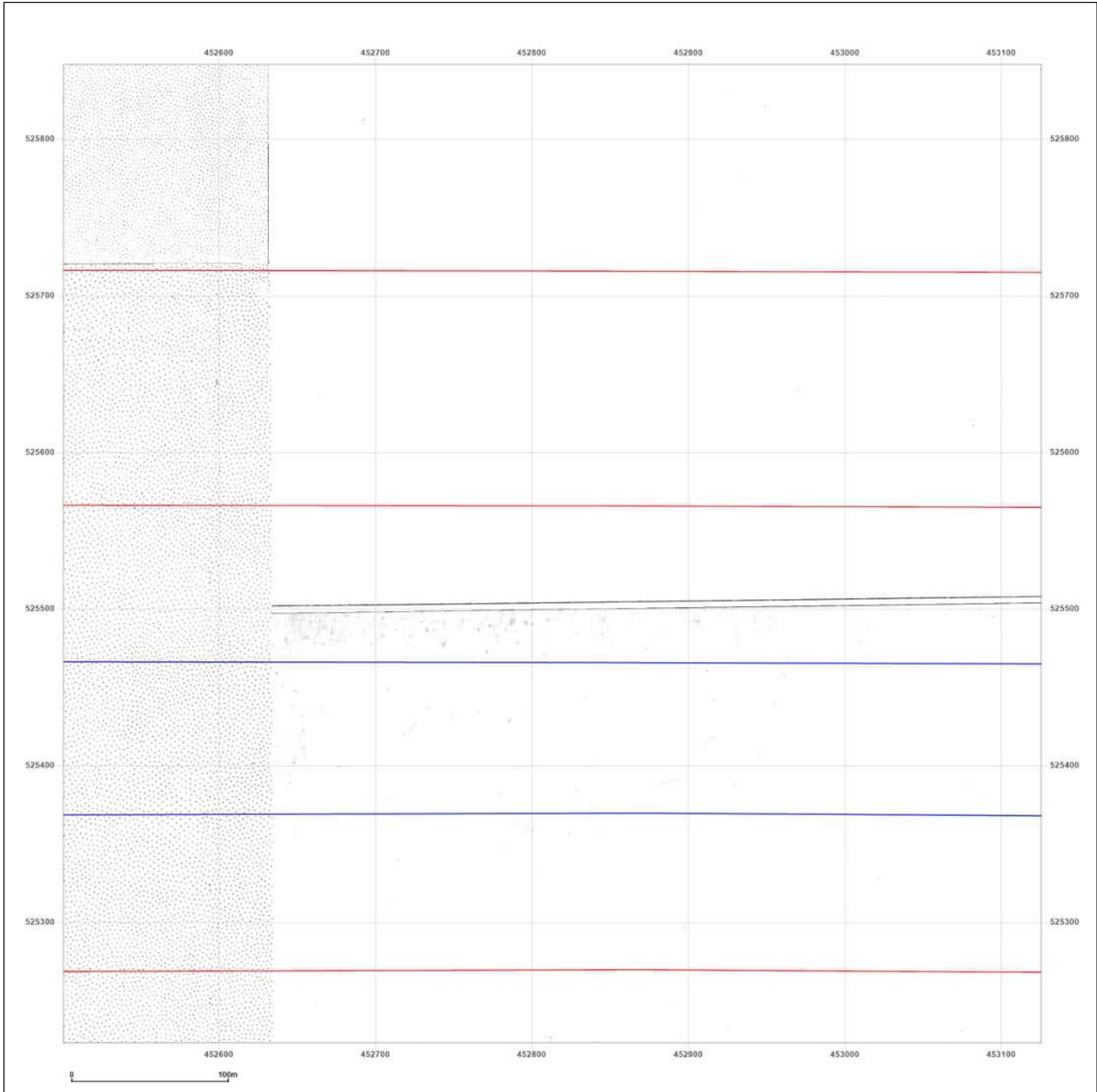
**Map date:** 1915-1916

**Scale:** 1:2,500

**Printed at:** 1:2,500



<p>Surveyed 1916 Revised 1916 Edition N/A Copyright N/A Levelled N/A</p>		<p>Surveyed 1915 Revised 1915 Edition N/A Copyright N/A Levelled N/A</p>
<p>Surveyed 1916 Revised 1916 Edition N/A Copyright N/A Levelled N/A</p>		<p>Surveyed 1915 Revised 1915 Edition N/A Copyright N/A Levelled N/A</p>



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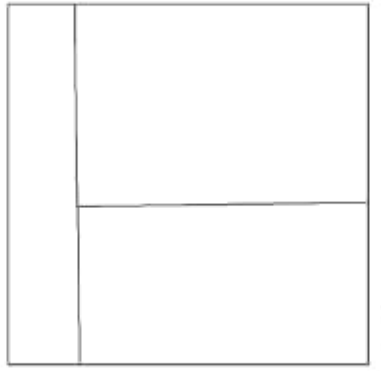
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**Map Name:** County Series

**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

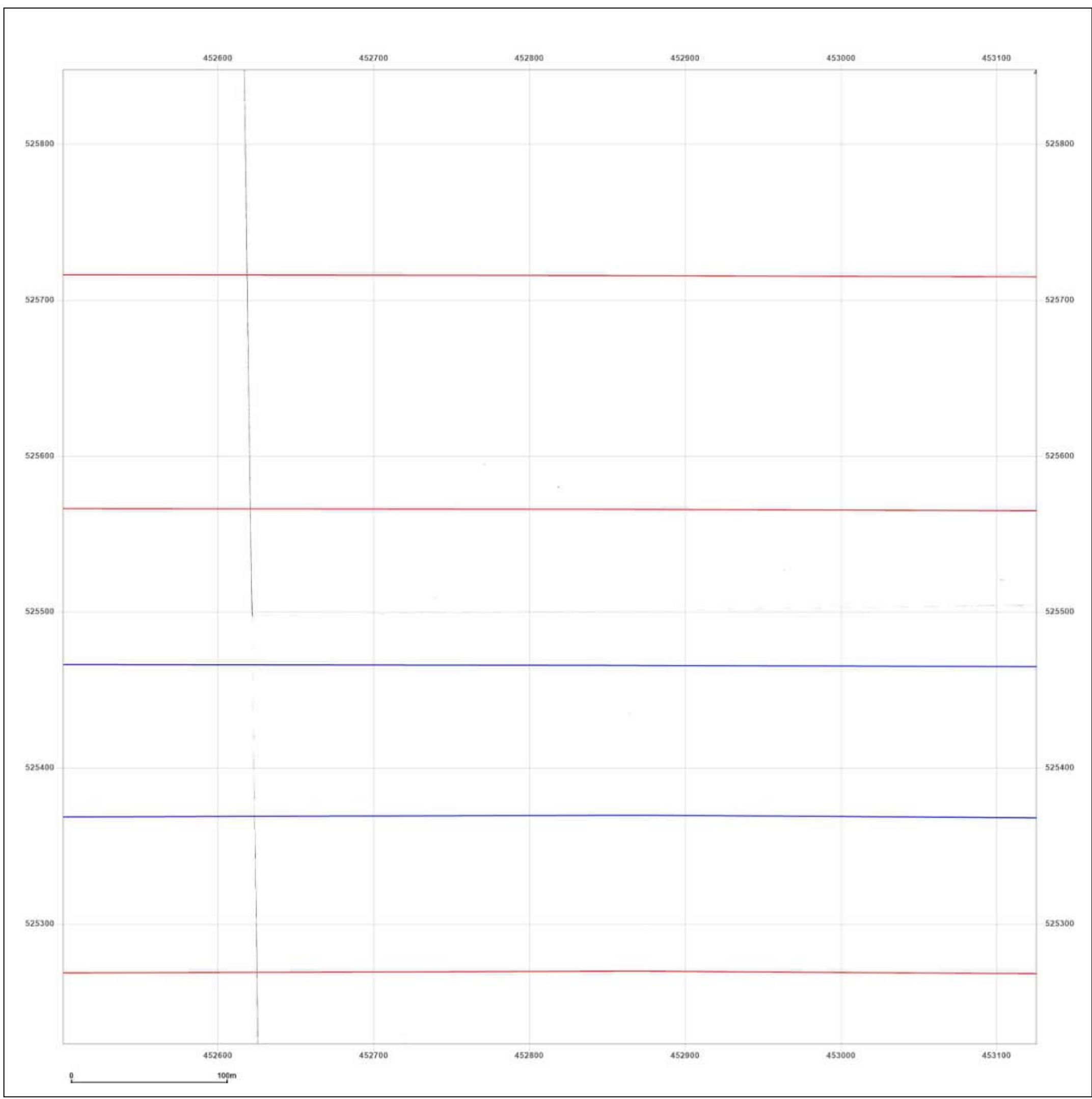


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**Site Details:**

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**Report Ref:** GSIP-2024-14521-17090\_LS\_3\_4  
**Grid Ref:** 452813, 525535

**Map Name:** County Series

**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939 Revised 1939 Edition N/A Copyright N/A Levelled N/A	Surveyed 1939 Revised 1939 Edition N/A Copyright N/A Levelled N/A
Surveyed 1940 Revised 1940 Edition N/A Copyright N/A Levelled N/A	Surveyed 1939 Revised 1939 Edition N/A Copyright N/A Levelled N/A

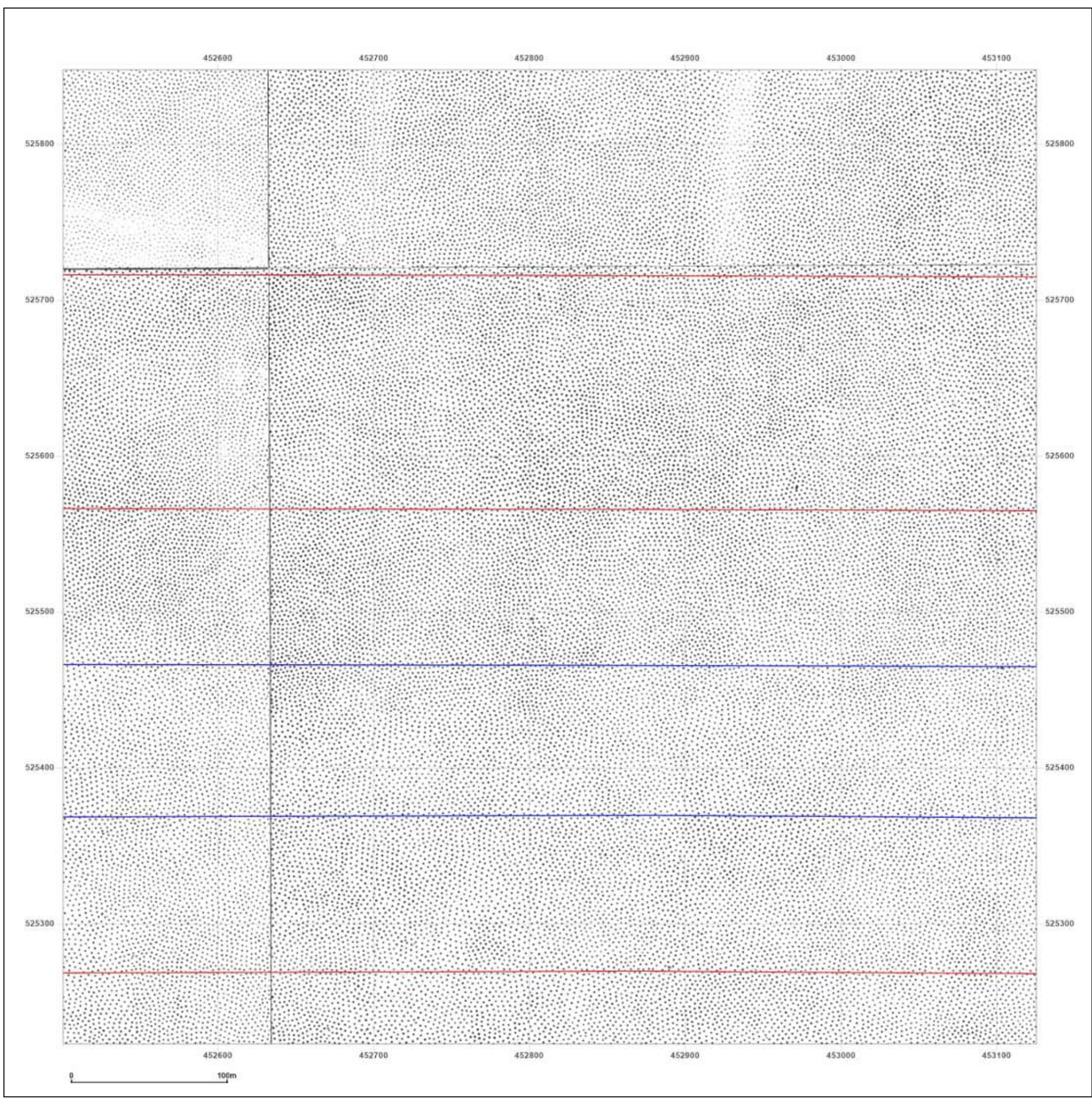


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**Grid Ref:** 452813, 525535

**Map Name:** National Grid

**Map date:** 1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

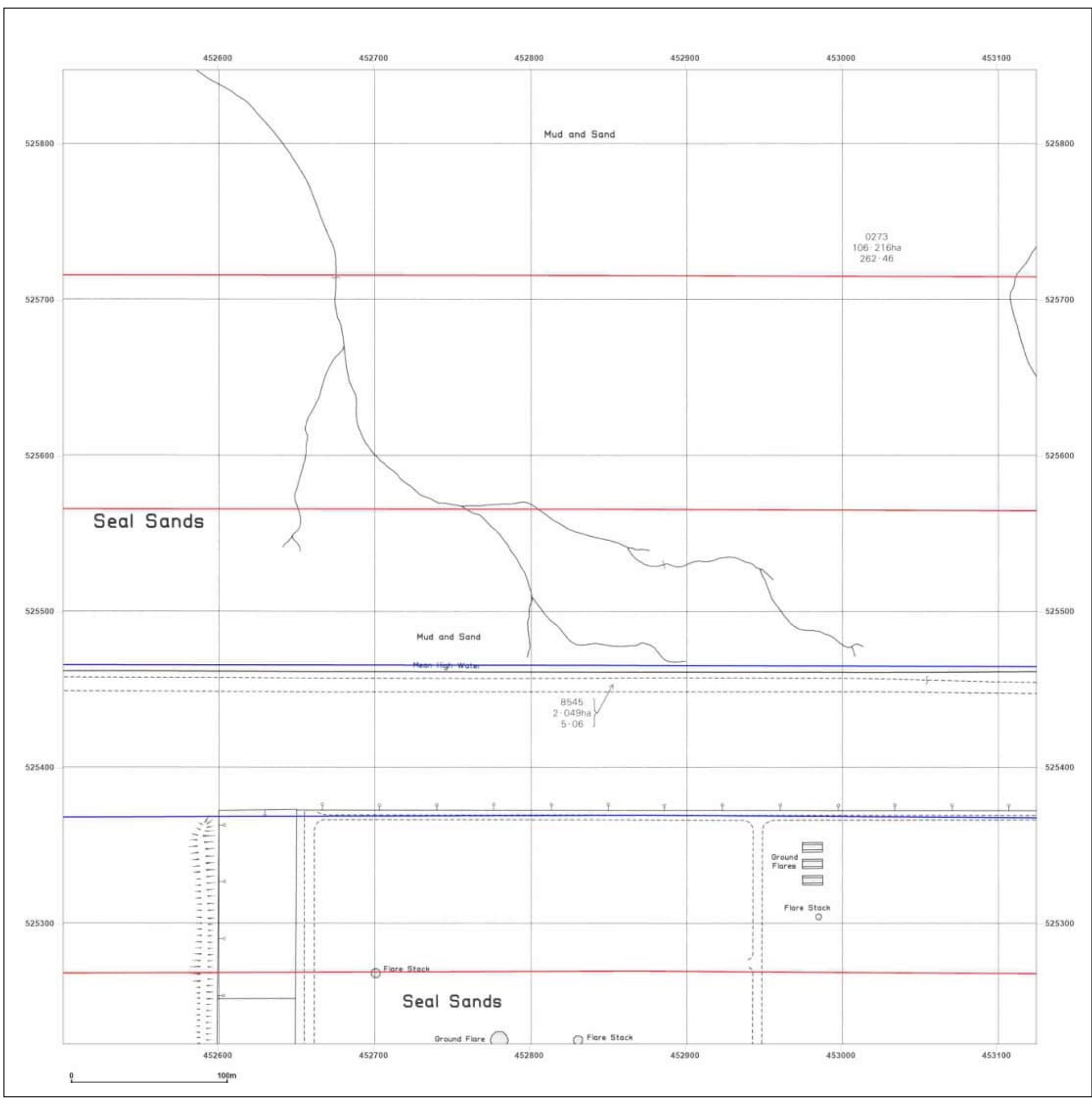


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_2  
**Grid Ref:** 453438, 524285

**Map Name:** County Series

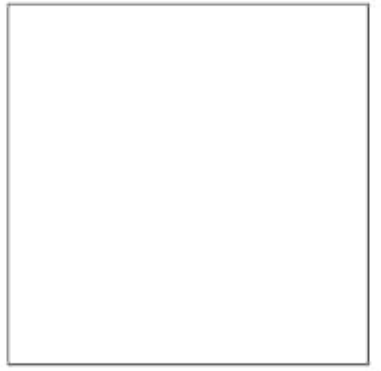
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

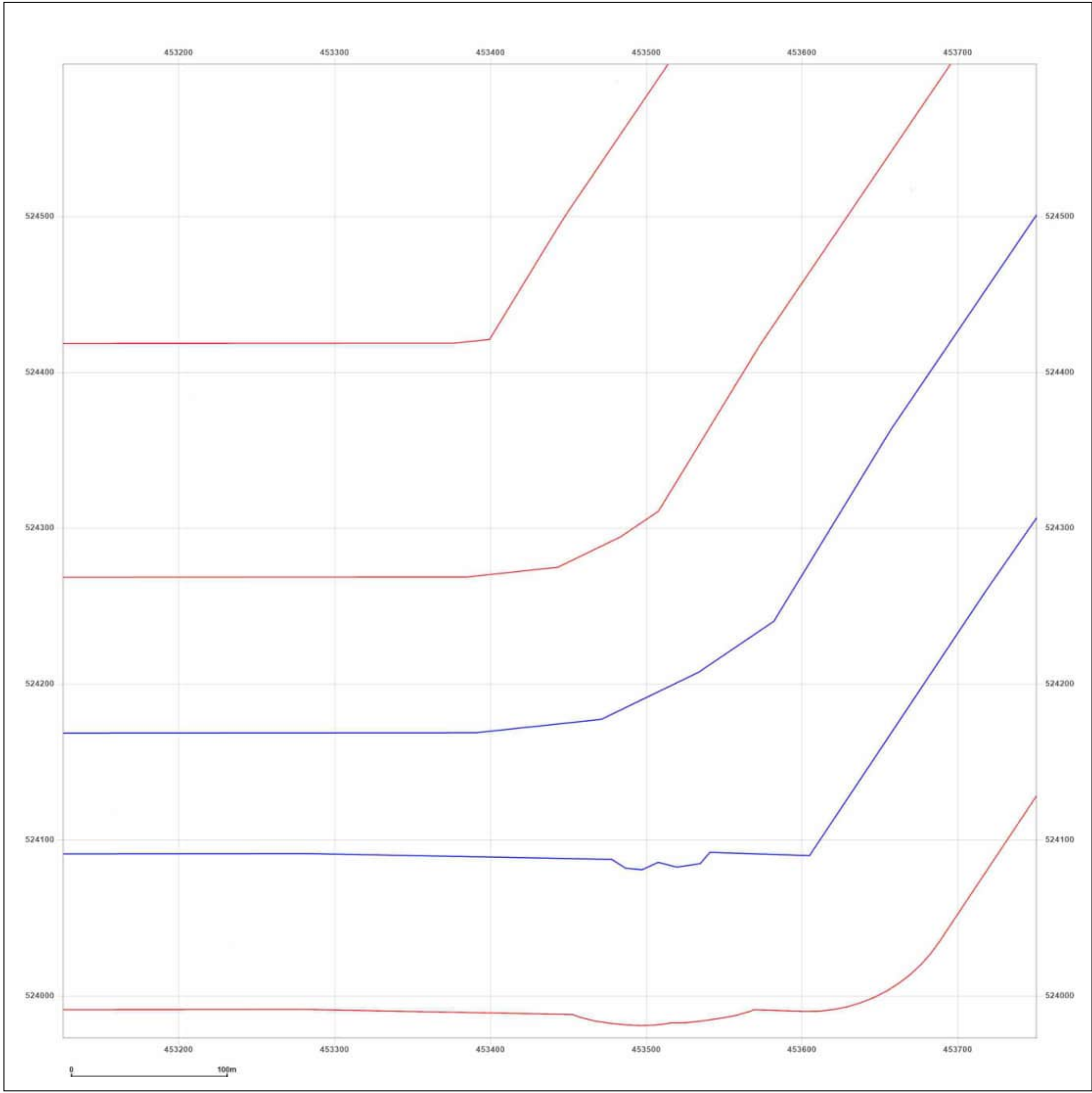



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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
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**Grid Ref:** 453438, 524285

**Map Name:** County Series

**Map date:** 1897-1898

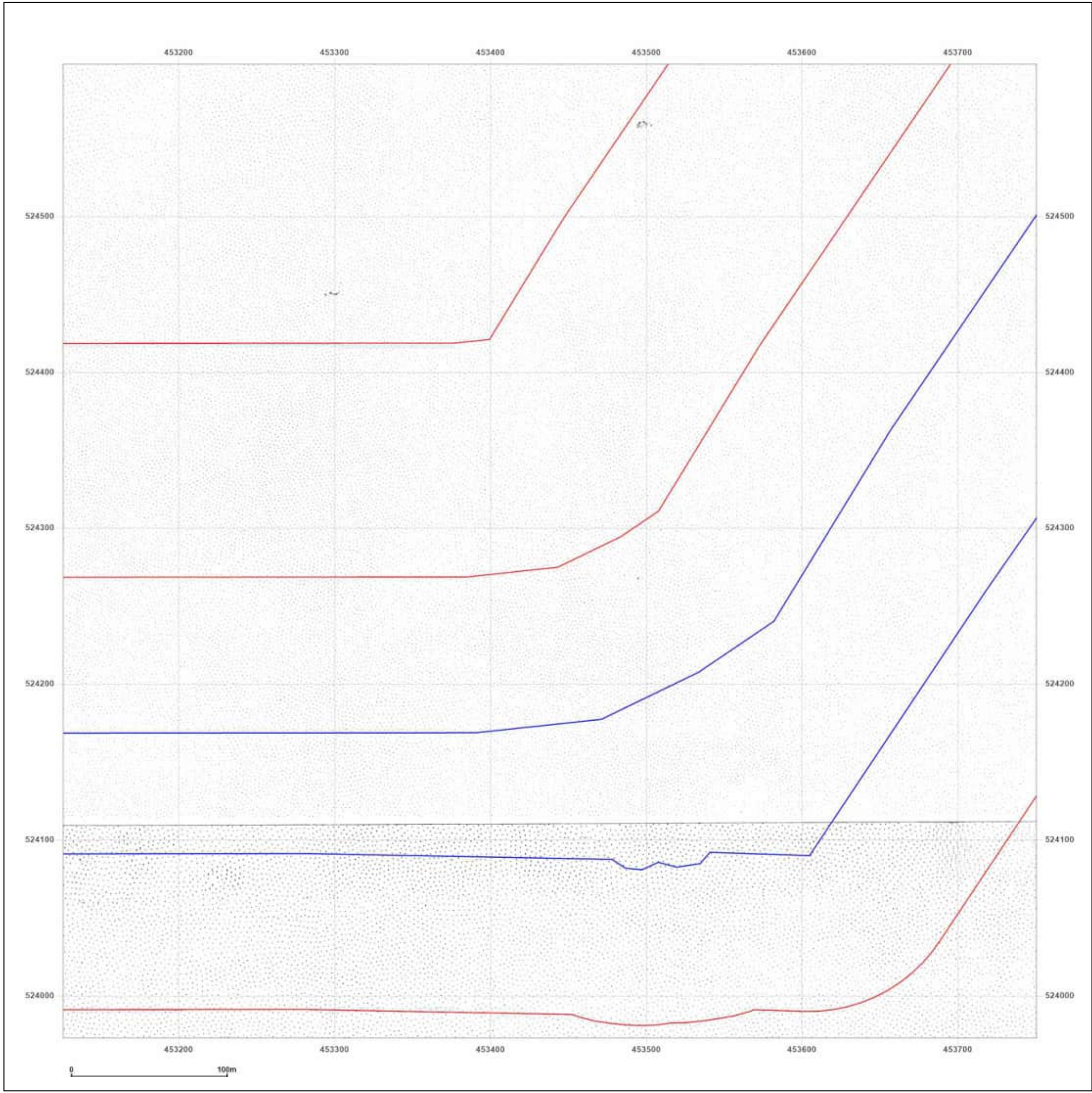
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**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_2  
**Grid Ref:** 453438, 524285

**Map Name:** County Series

**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

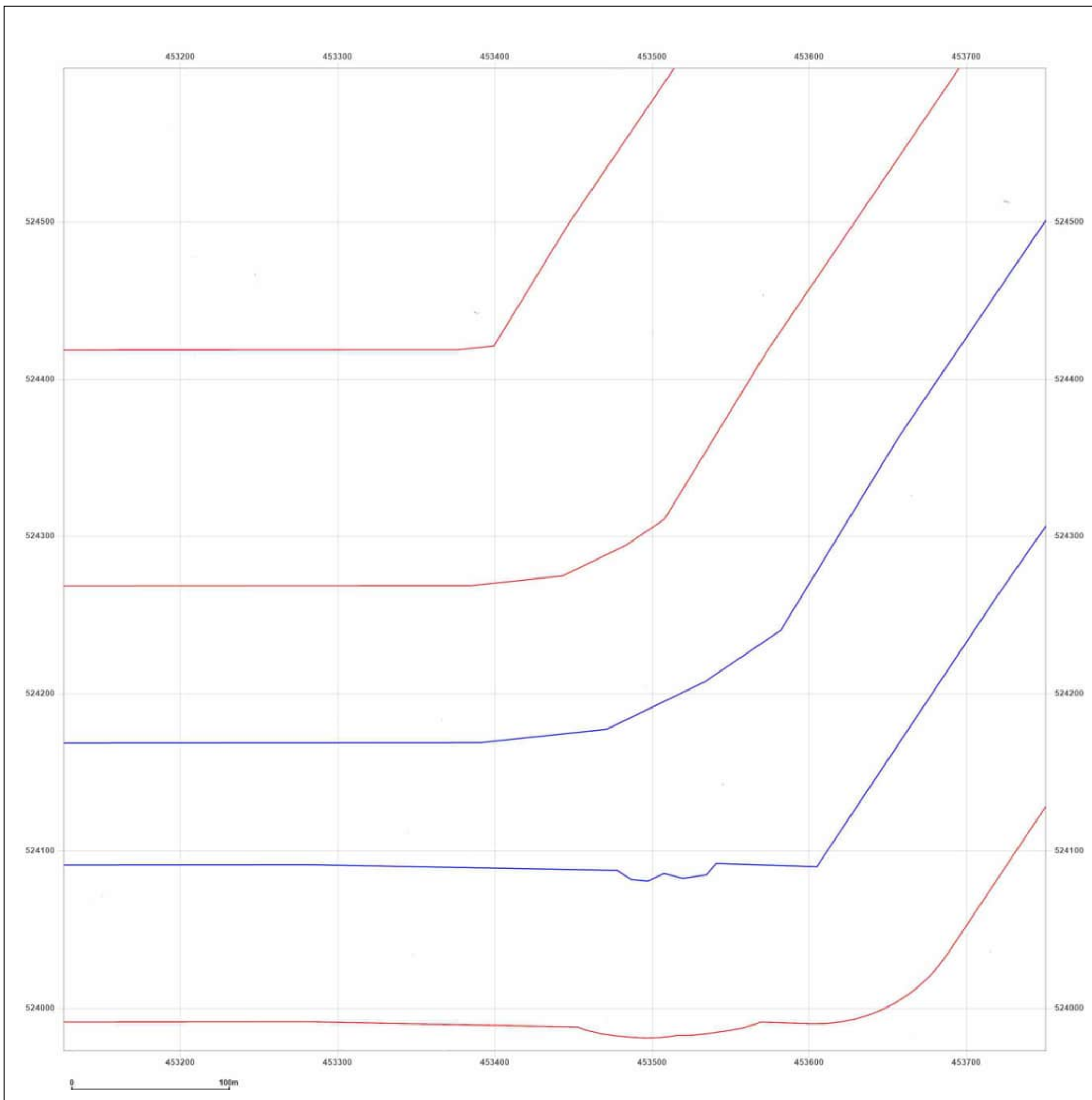


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**Site Details:**

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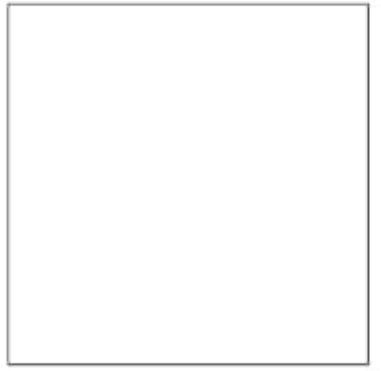
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

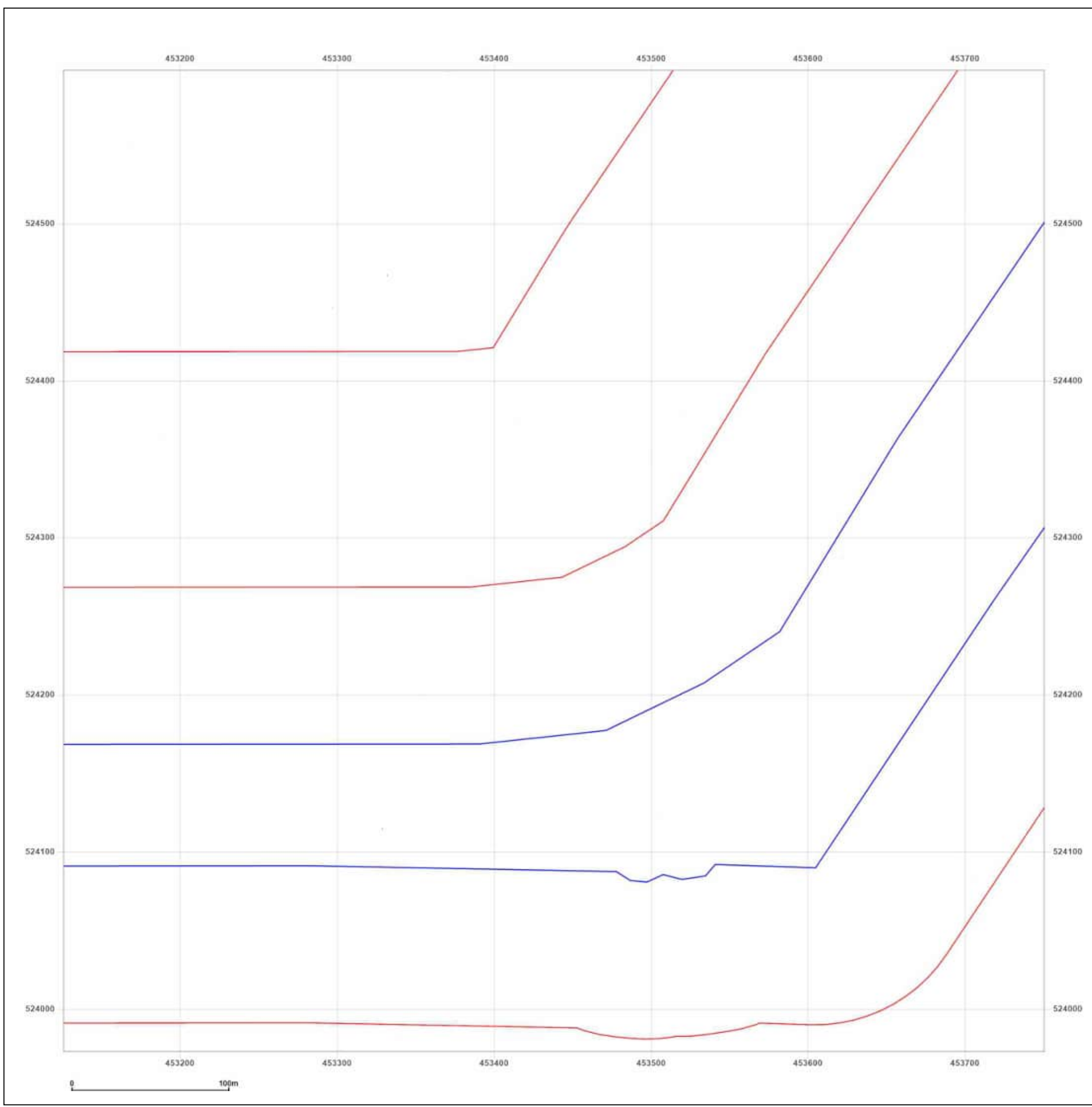



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**Site Details:**

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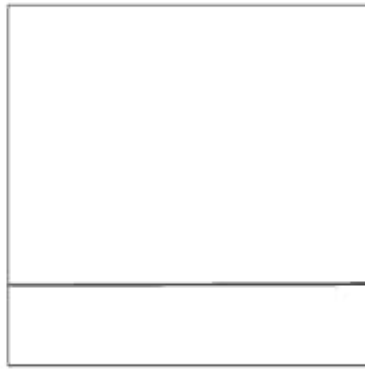
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

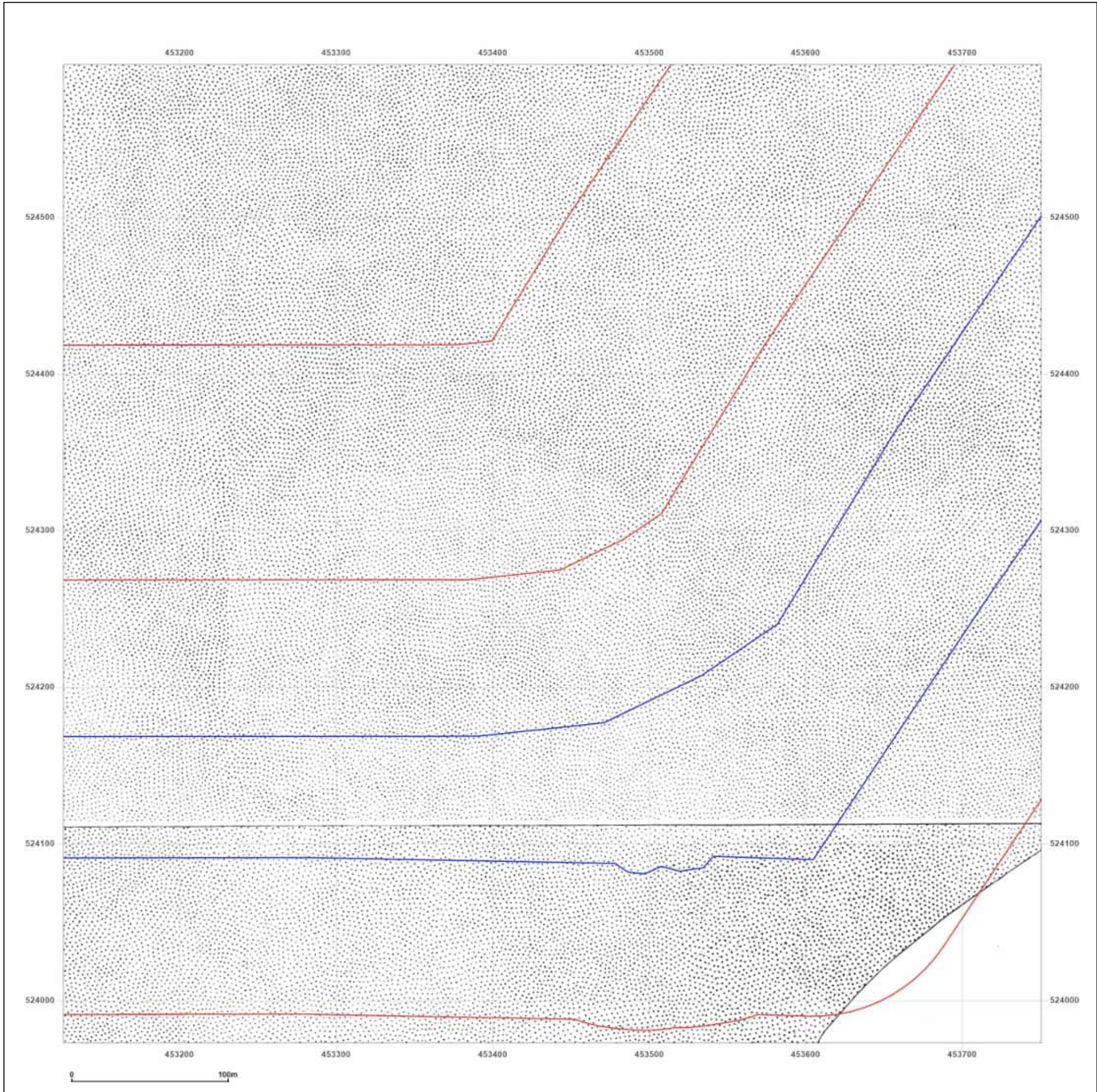


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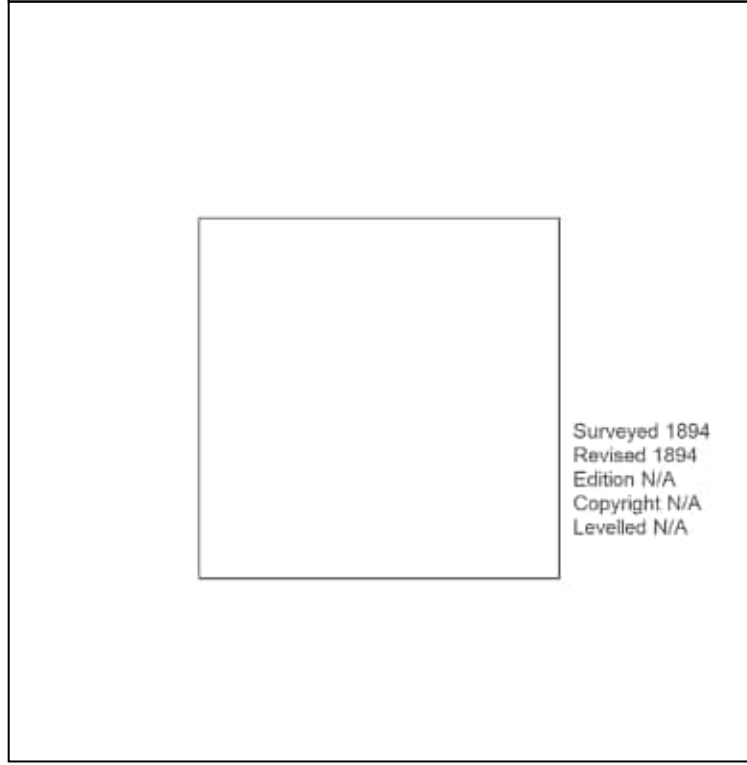
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**Grid Ref:** 453438, 524910

**Map Name:** County Series

**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

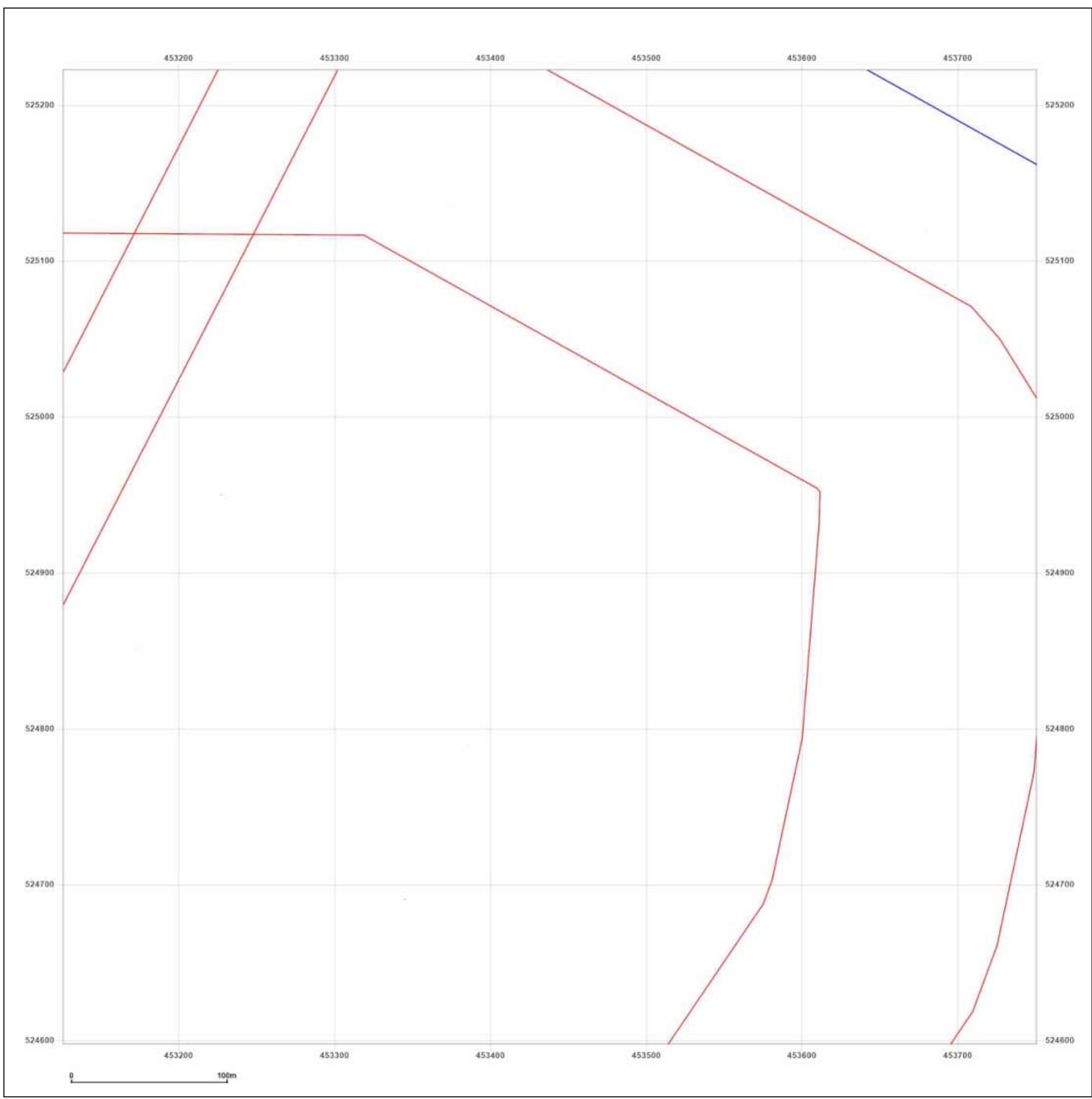


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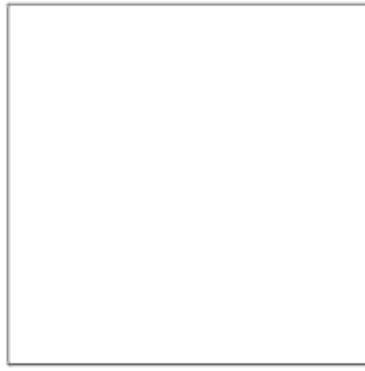
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**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500





Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

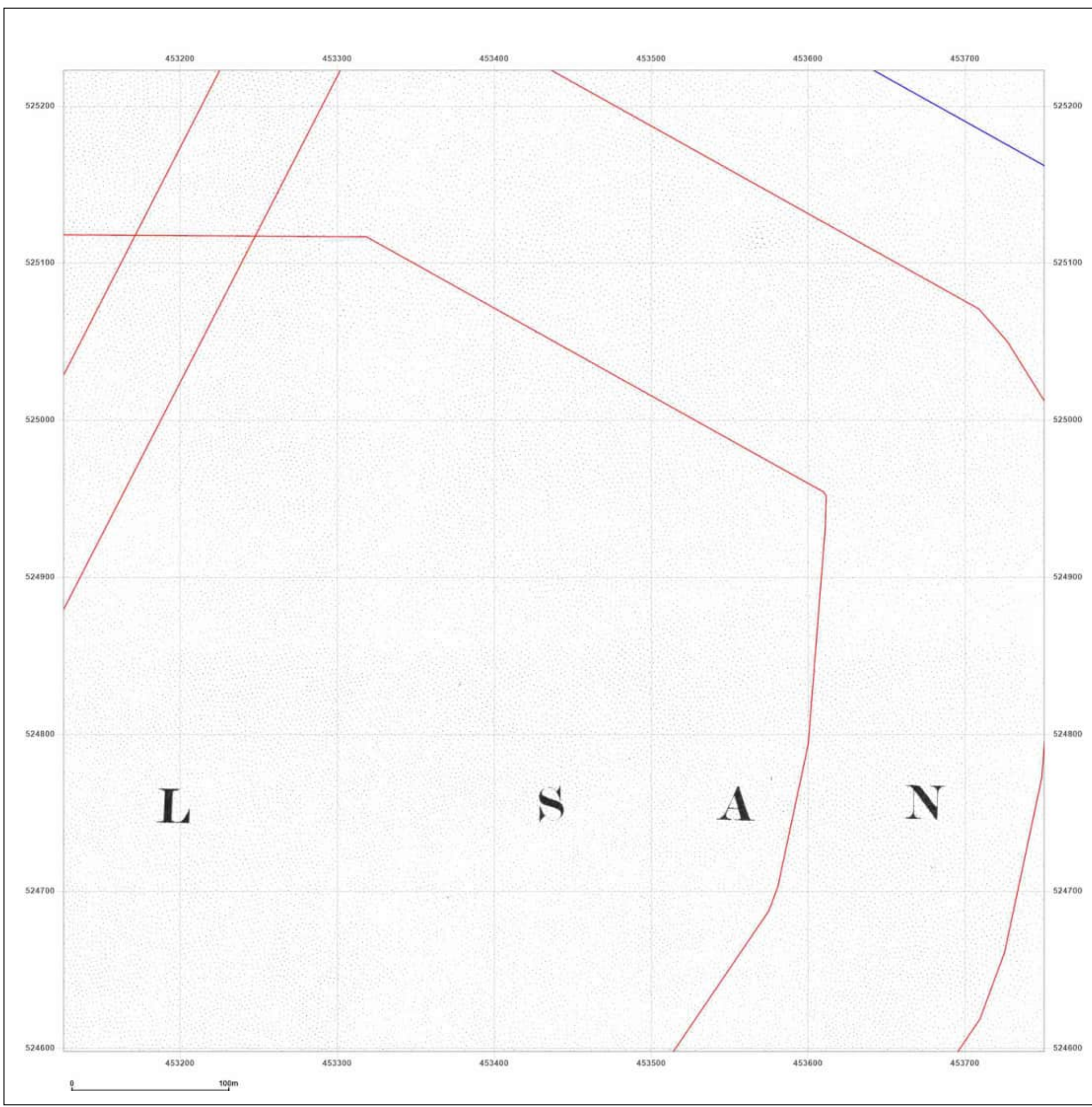


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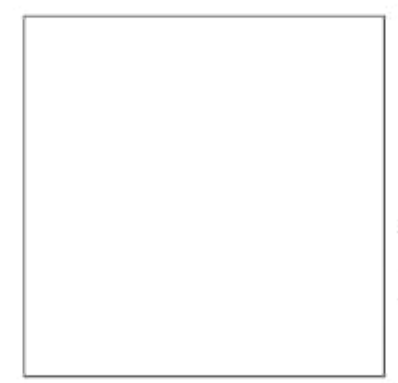
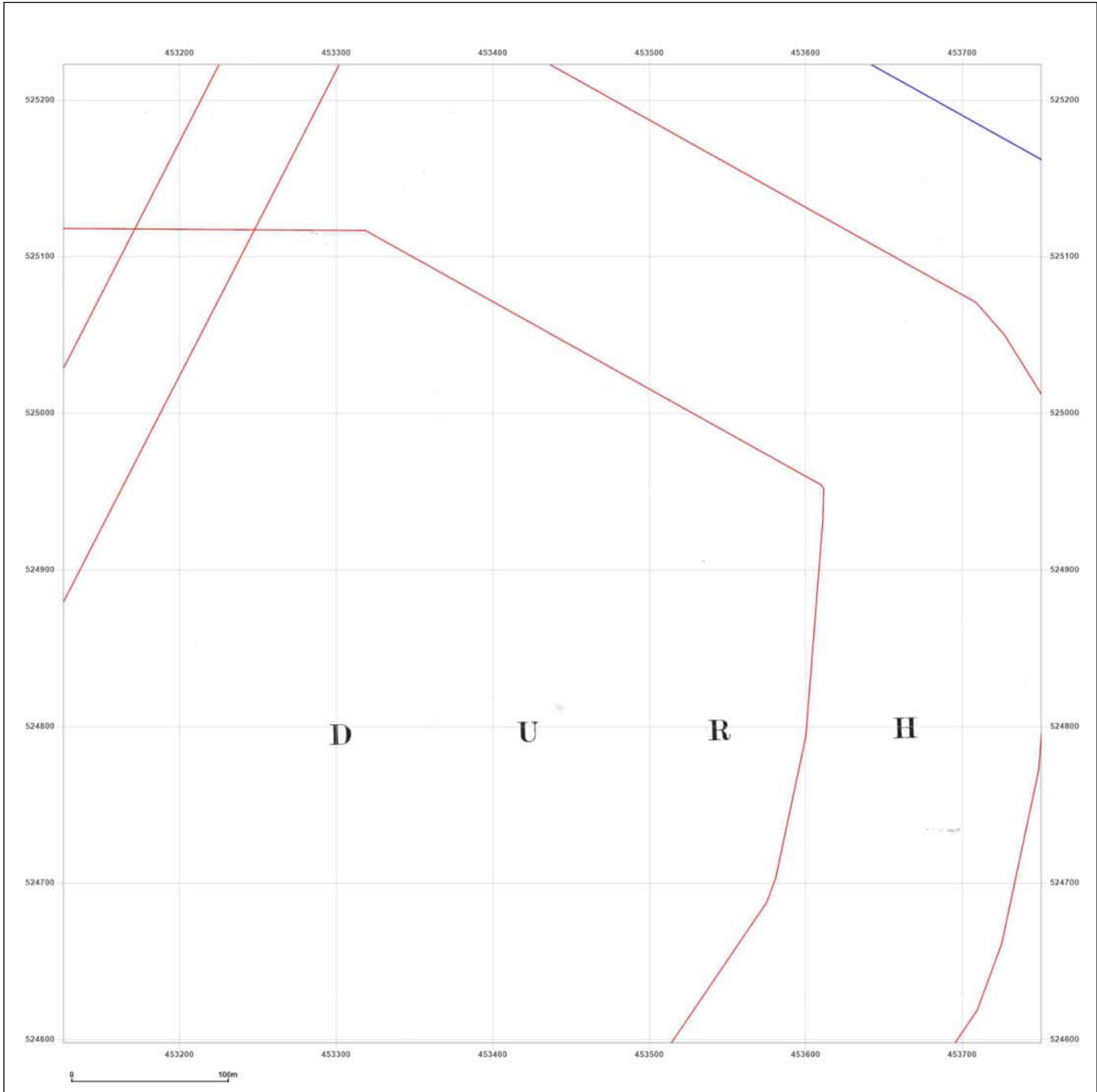
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**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_3  
**Grid Ref:** 453438, 524910

**Map Name:** County Series

**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



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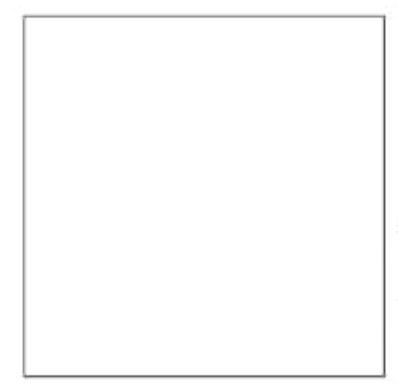
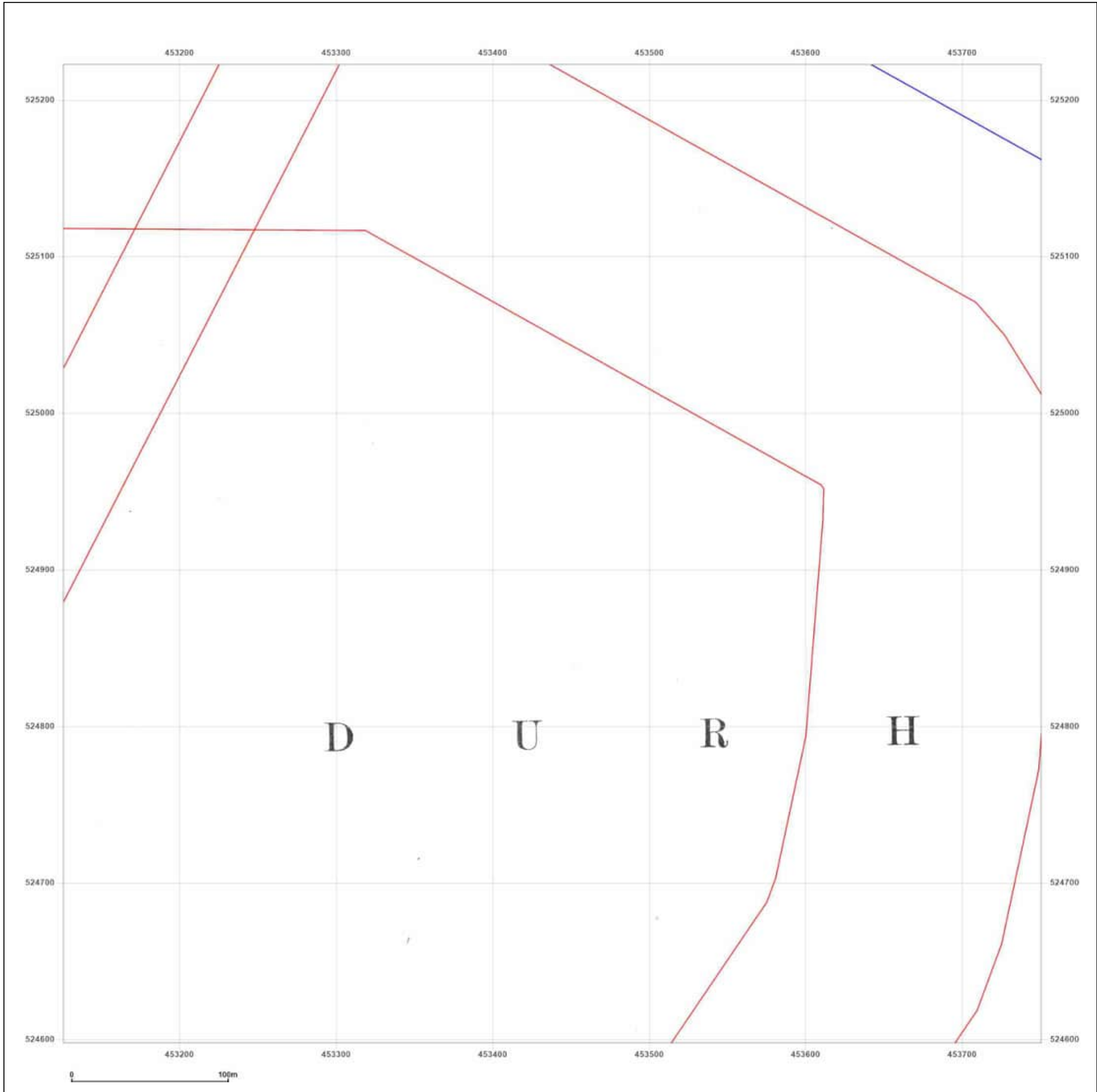
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**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_3  
**Grid Ref:** 453438, 524910

**Map Name:** County Series

**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



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**Site Details:**

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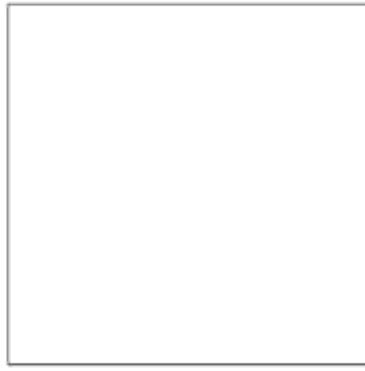
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**Map date:** 1939

**Scale:** 1:2,500

**Printed at:** 1:2,500





Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

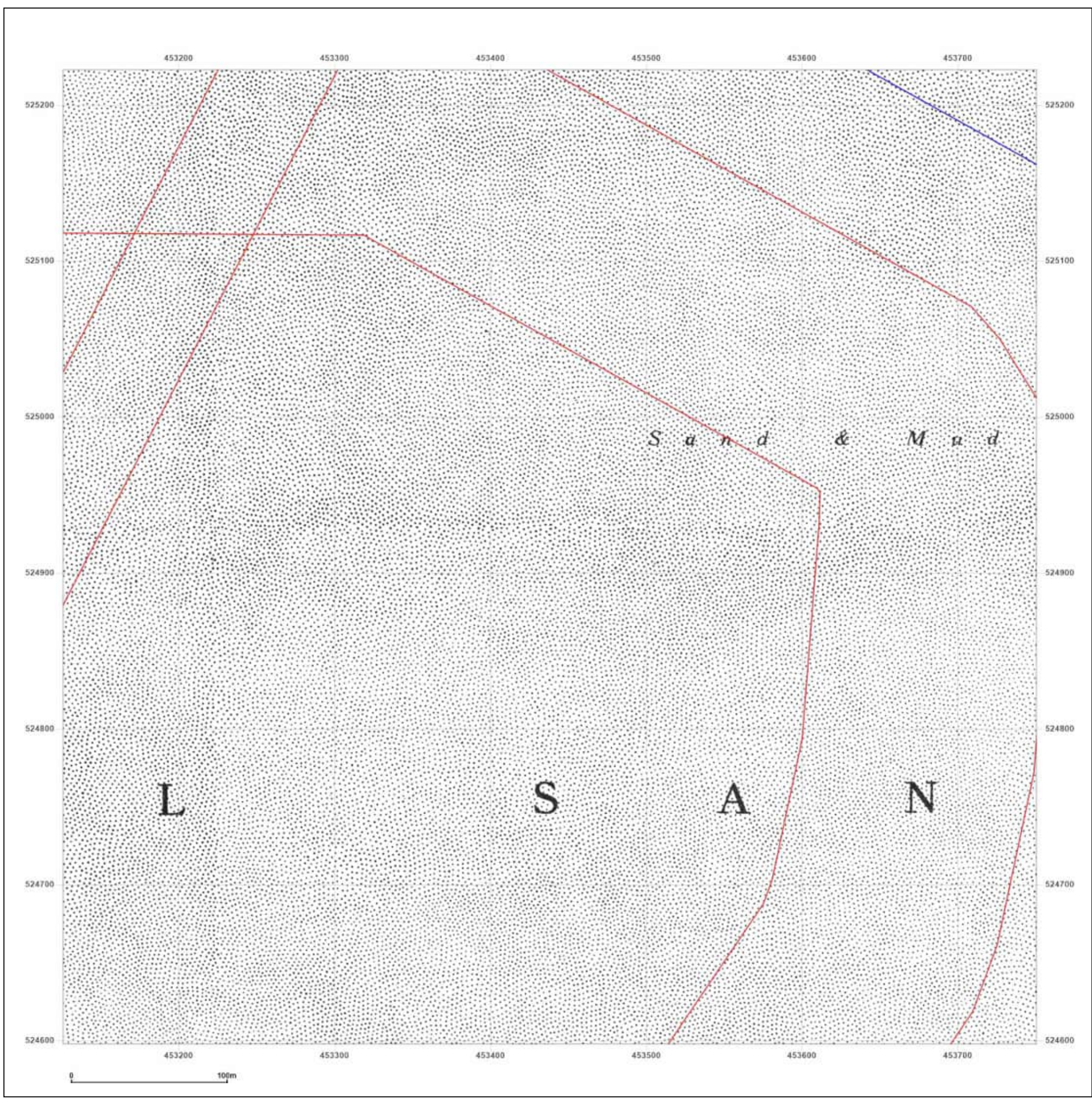


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_3  
**Grid Ref:** 453438, 524910

**Map Name:** National Grid

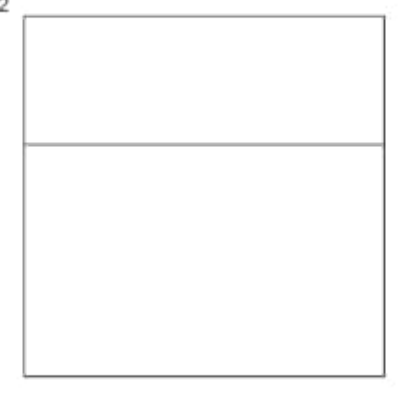
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**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

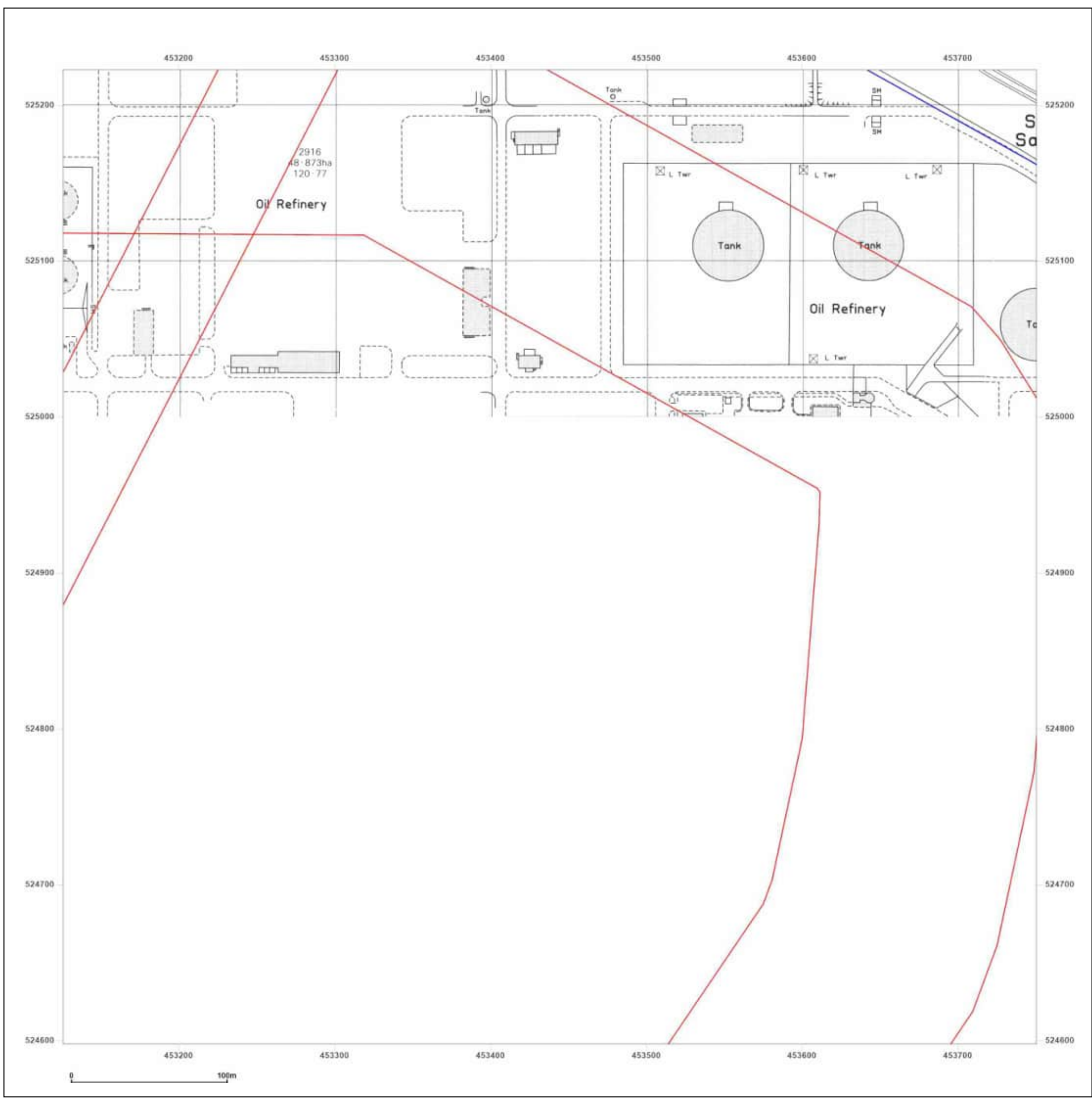


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_3  
**Grid Ref:** 453438, 524910

**Map Name:** National Grid

**Map date:** 1988

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

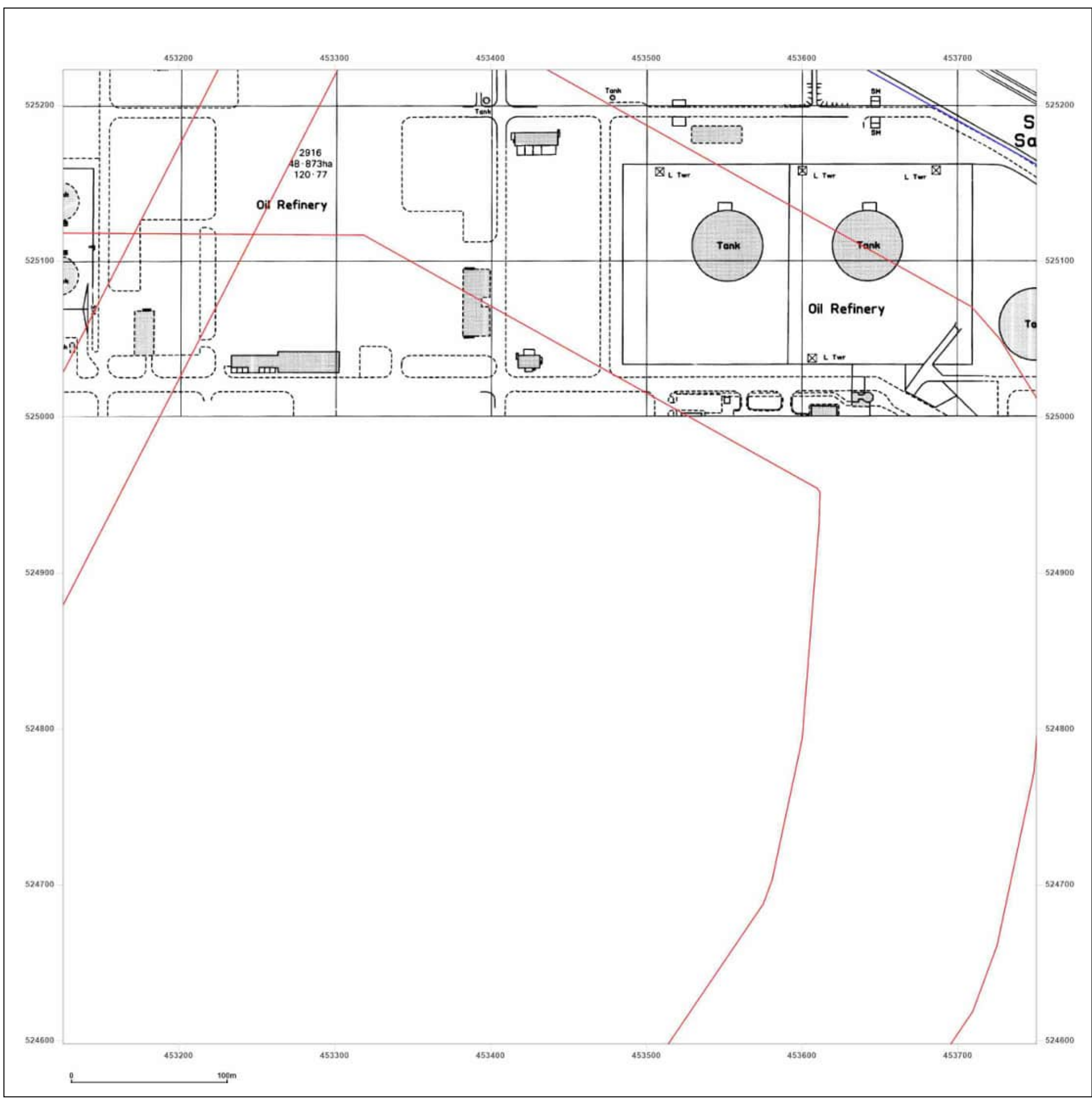


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535

**Map Name:** County Series

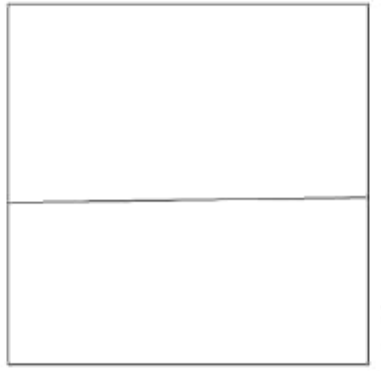
**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

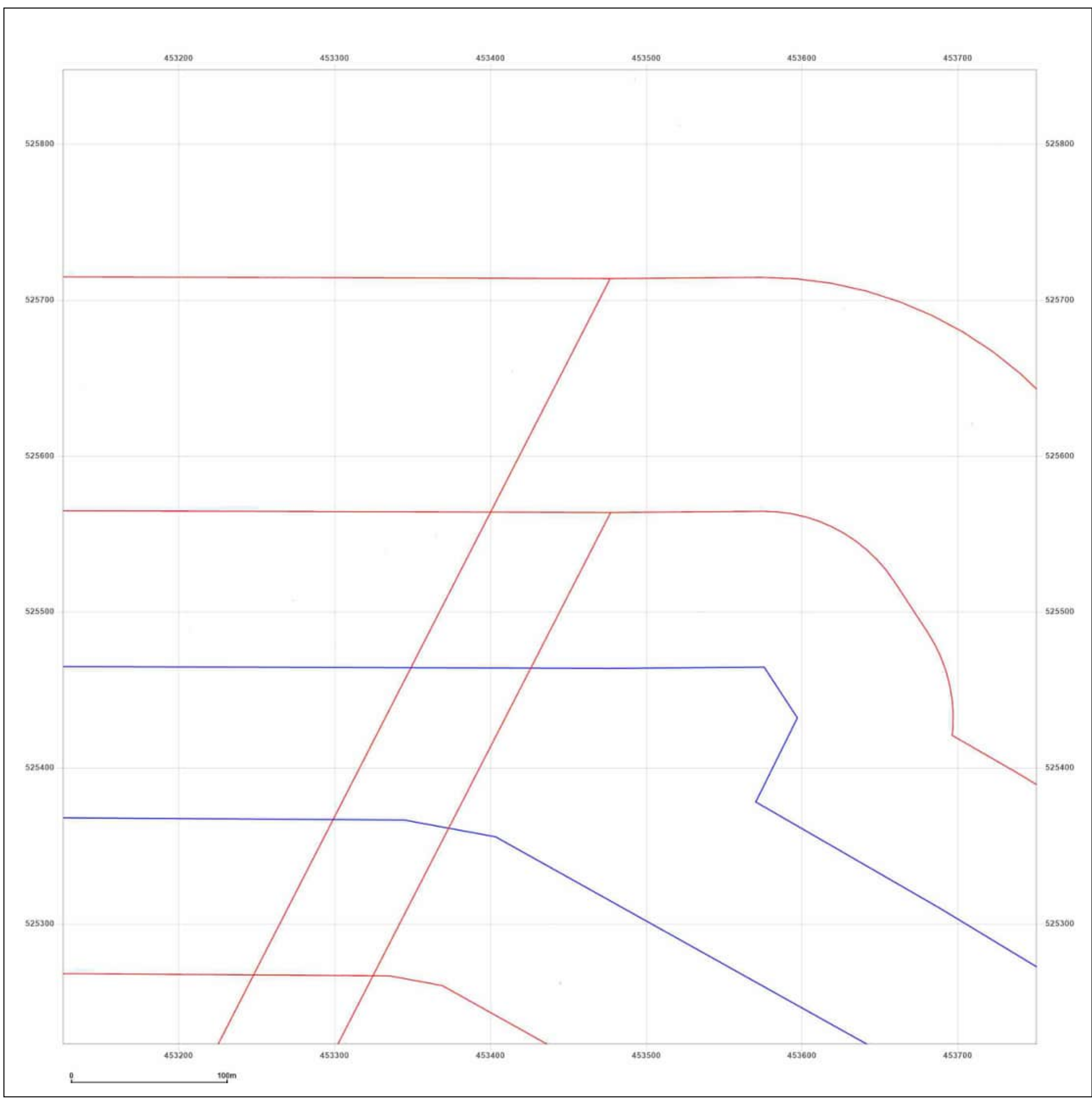


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**Site Details:**

WaveCrest - Teeside

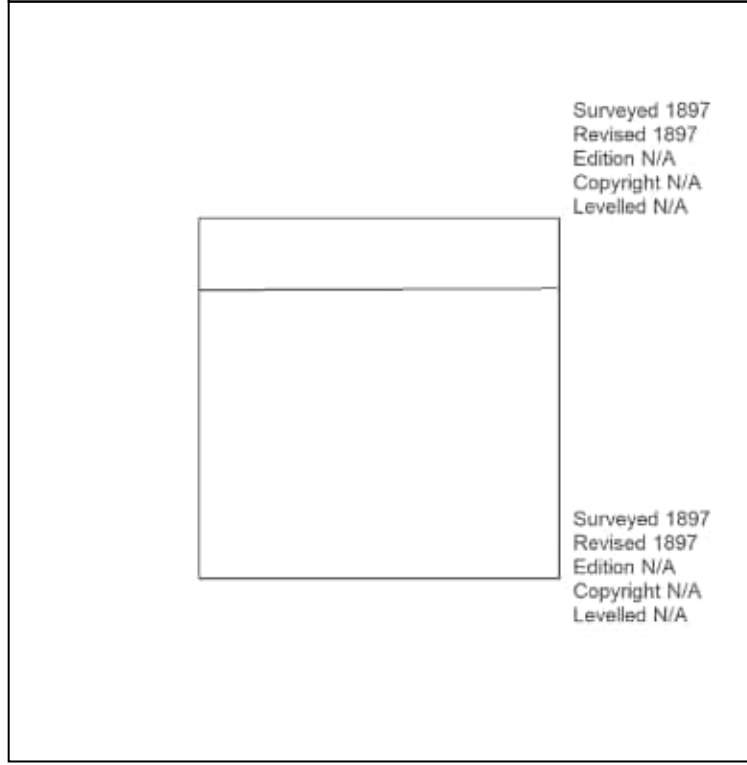
**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500

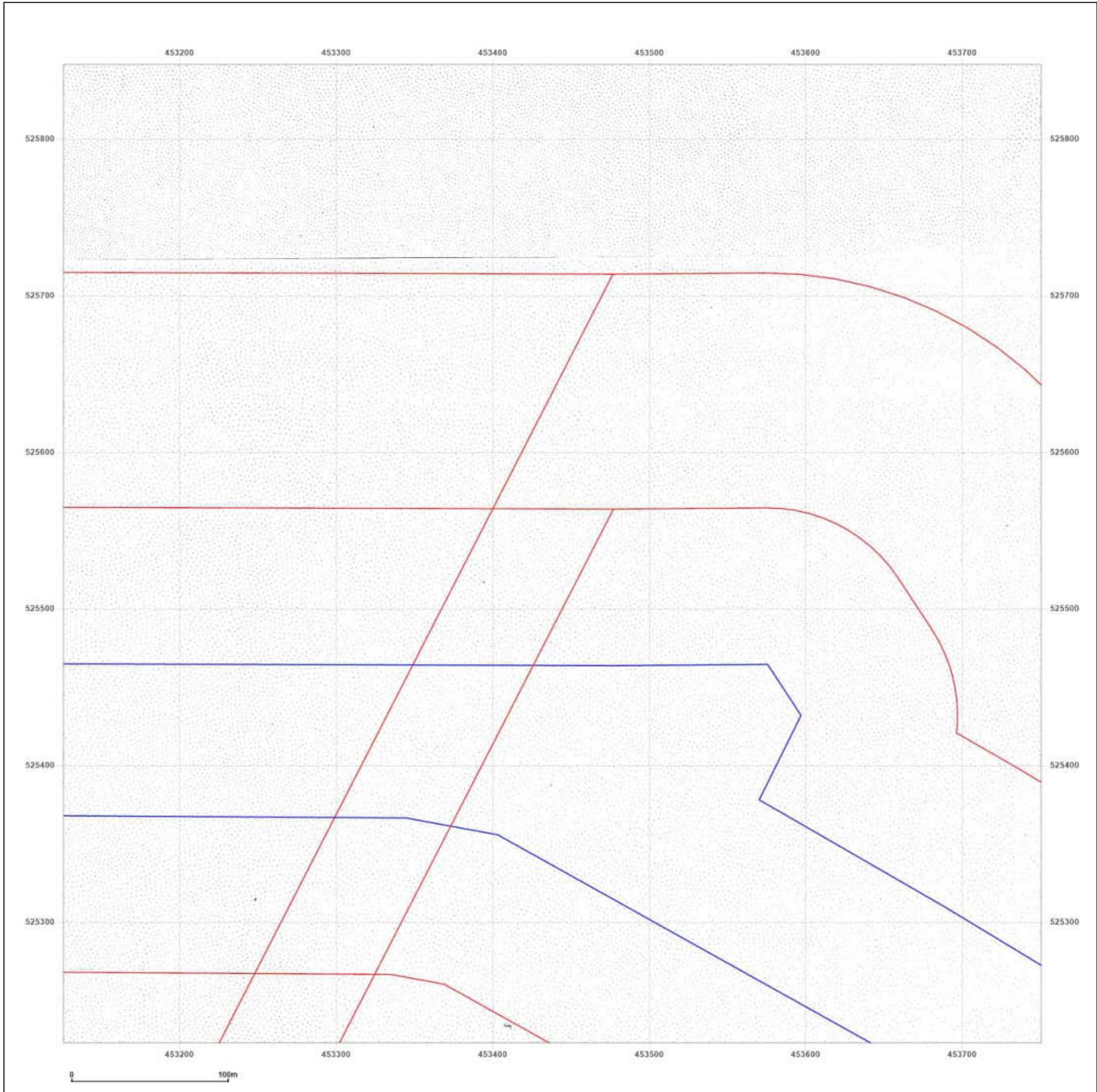


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535

**Map Name:** County Series

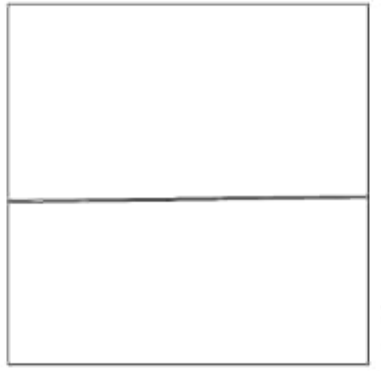
**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

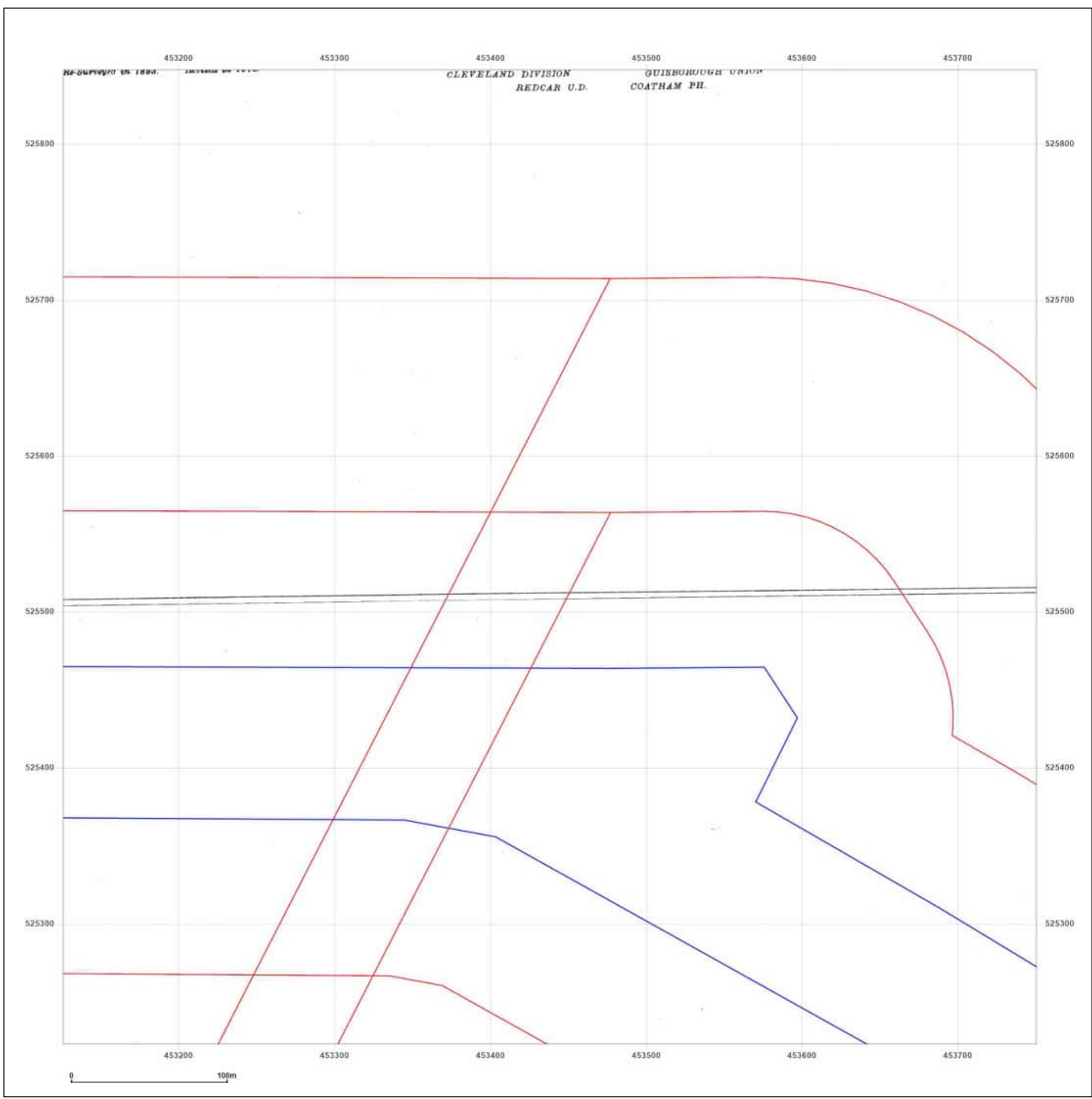


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
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**Map Name:** County Series

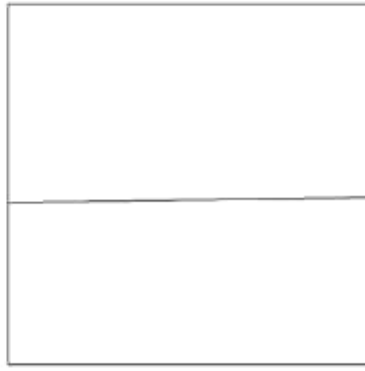
**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

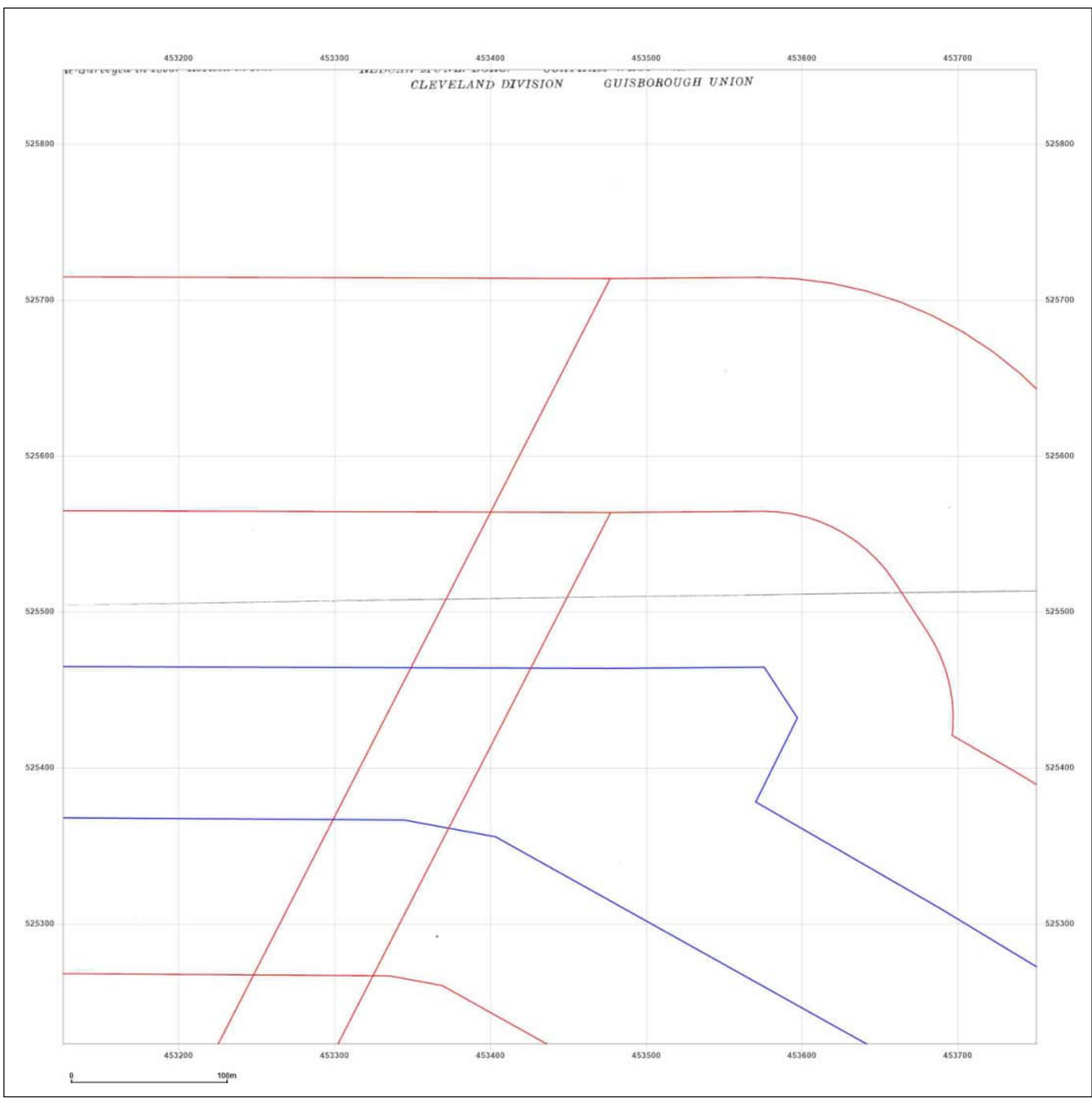


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535


**Map Name:** County Series

**Map date:** 1939

**Scale:** 1:2,500

**Printed at:** 1:2,500





Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

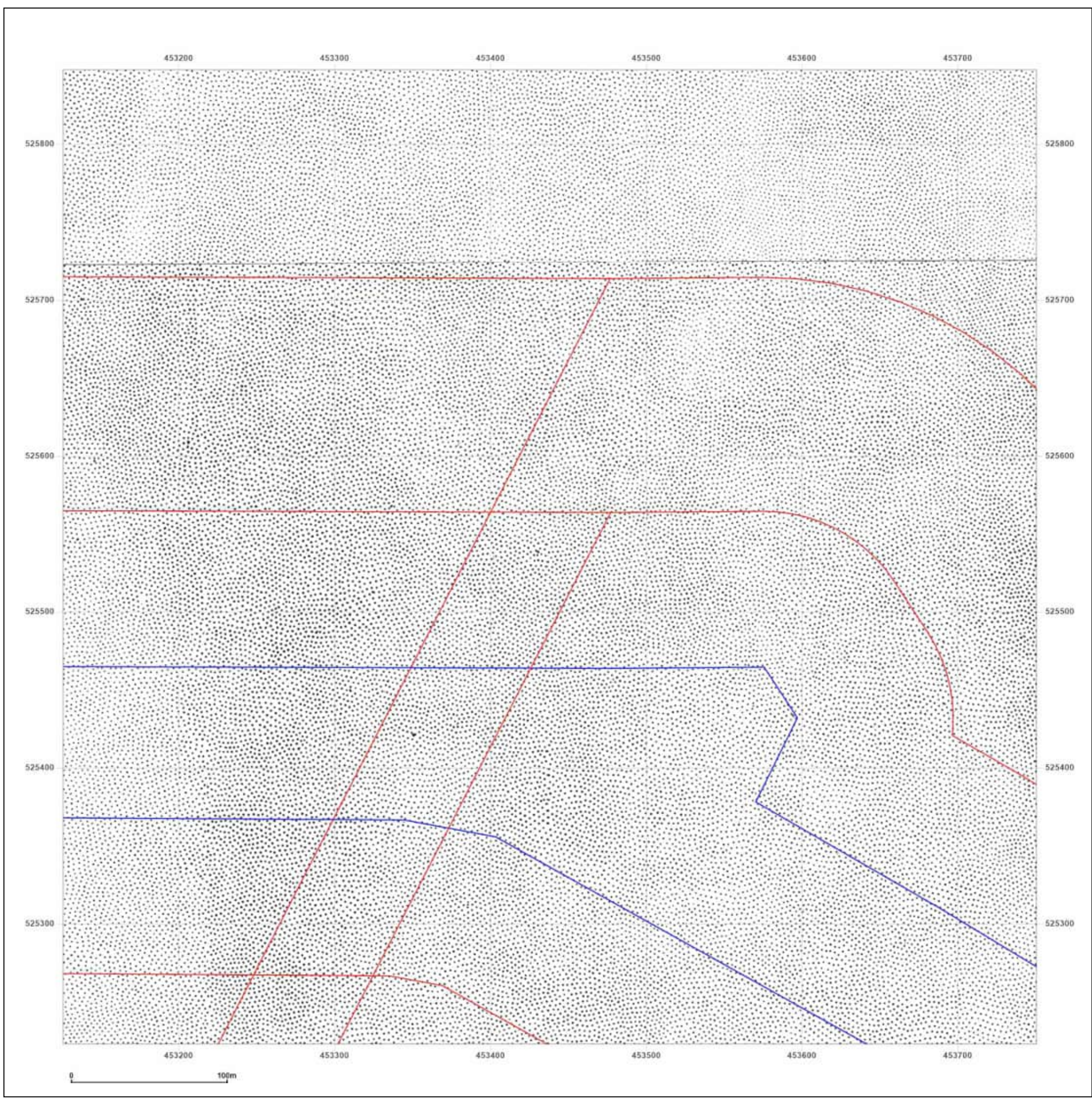


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535

**Map Name:** National Grid

**Map date:** 1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

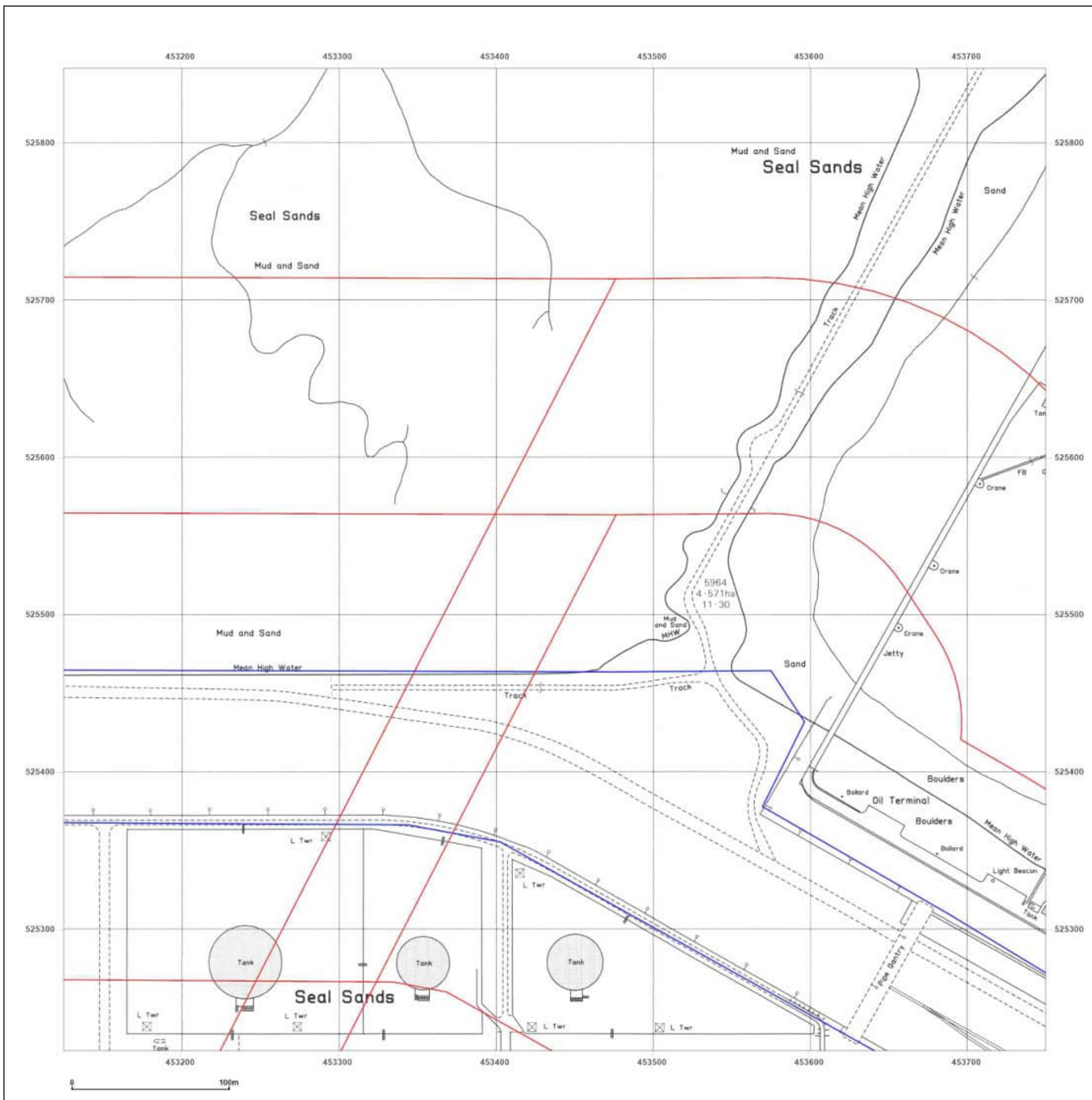


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_4\_4  
**Grid Ref:** 453438, 525535

**Map Name:** National Grid

**Map date:** 1988

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

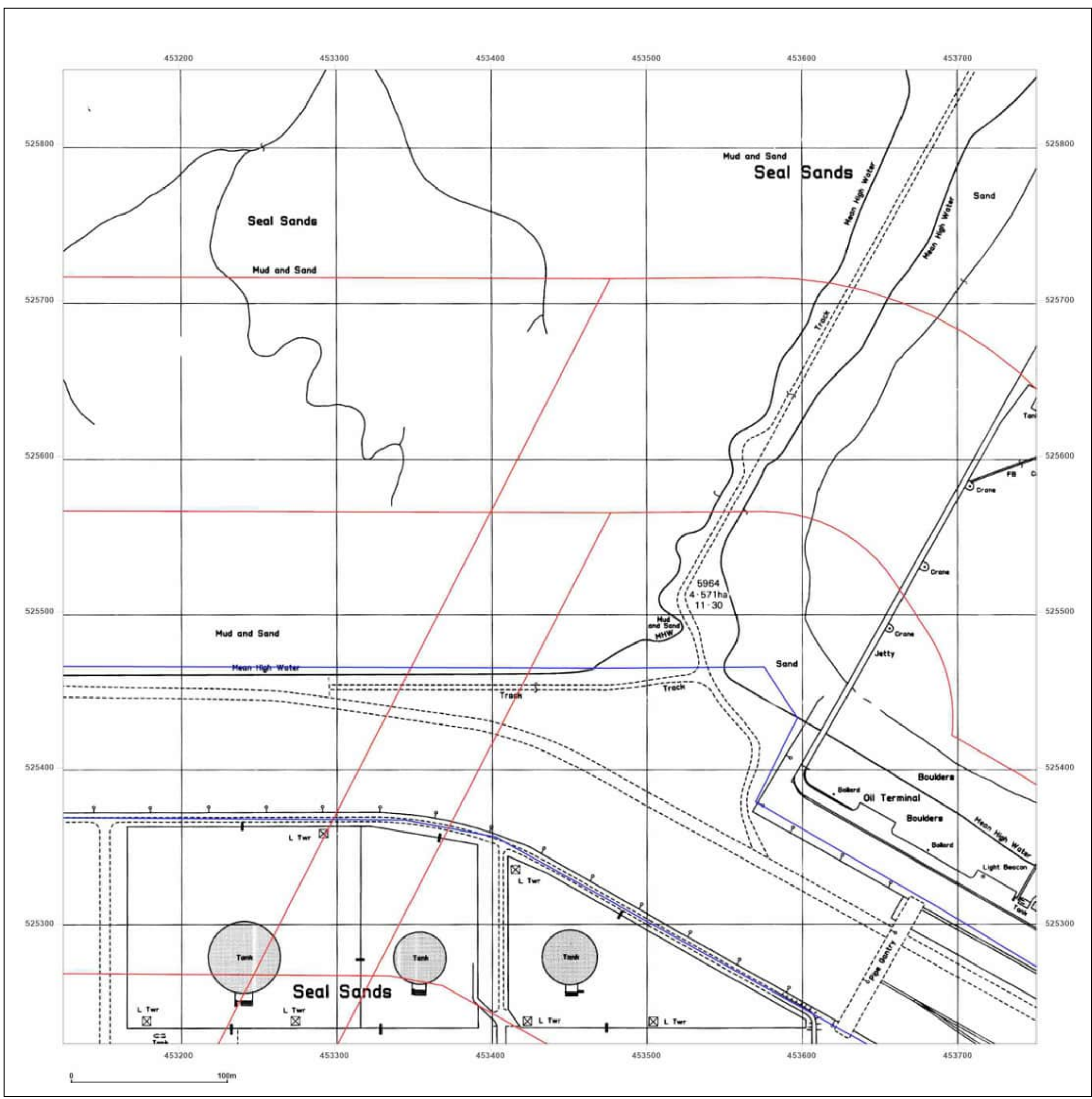


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_2  
**Grid Ref:** 454063, 524285

**Map Name:** County Series

**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

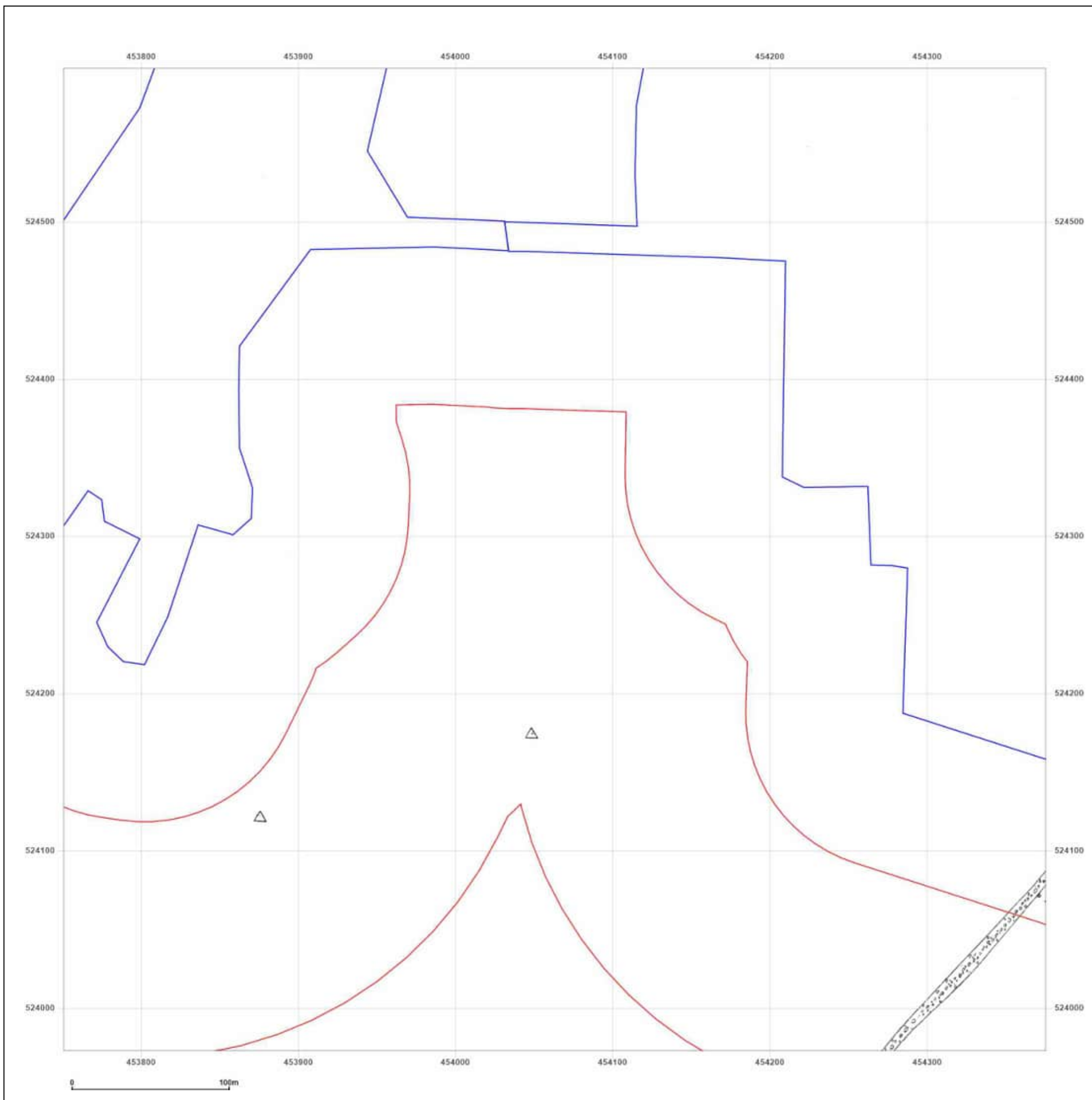


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_2  
**Grid Ref:** 454063, 524285

**Map Name:** County Series

**Map date:** 1897-1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

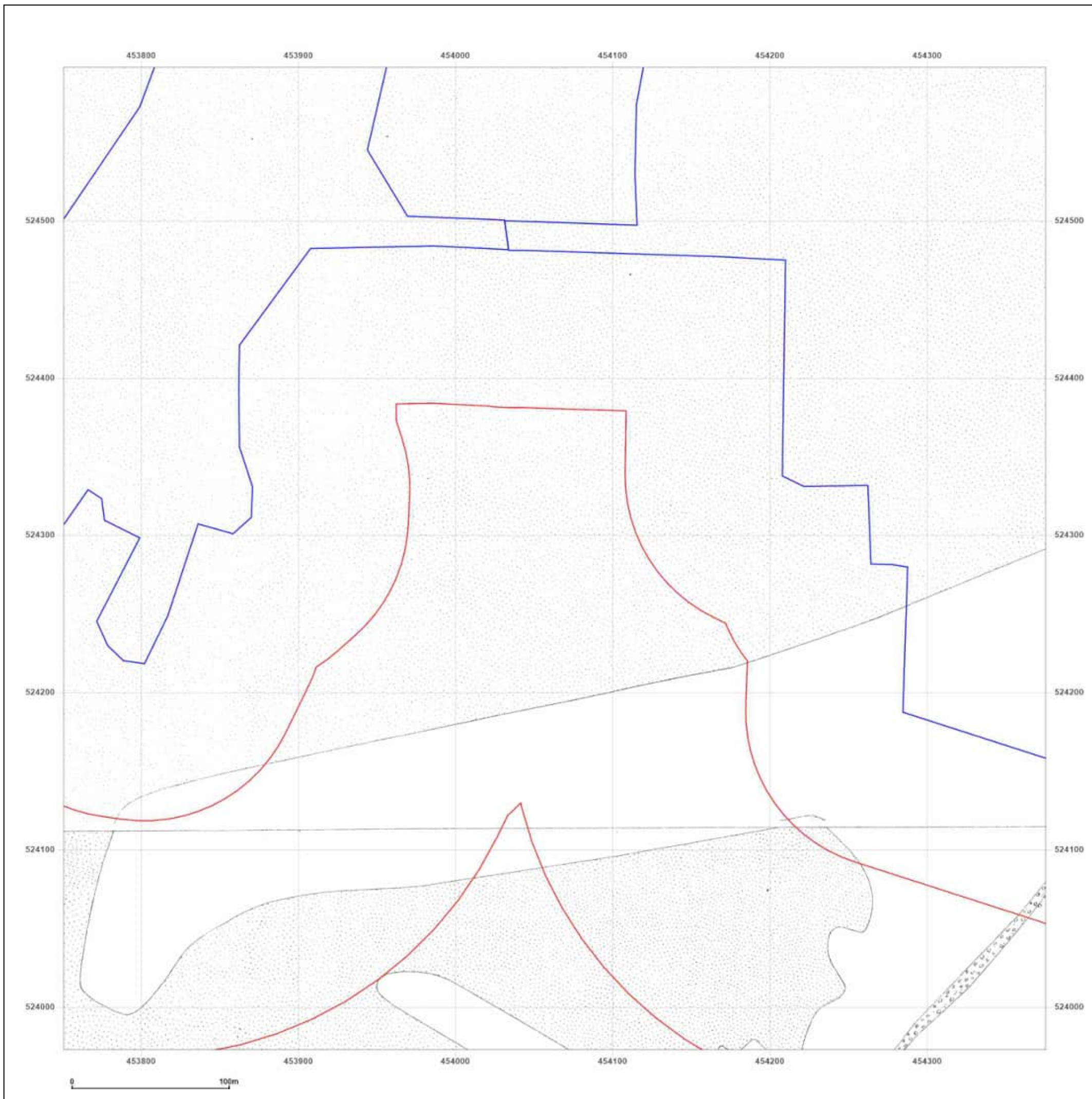


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_2  
**Grid Ref:** 454063, 524285

**Map Name:** County Series

**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

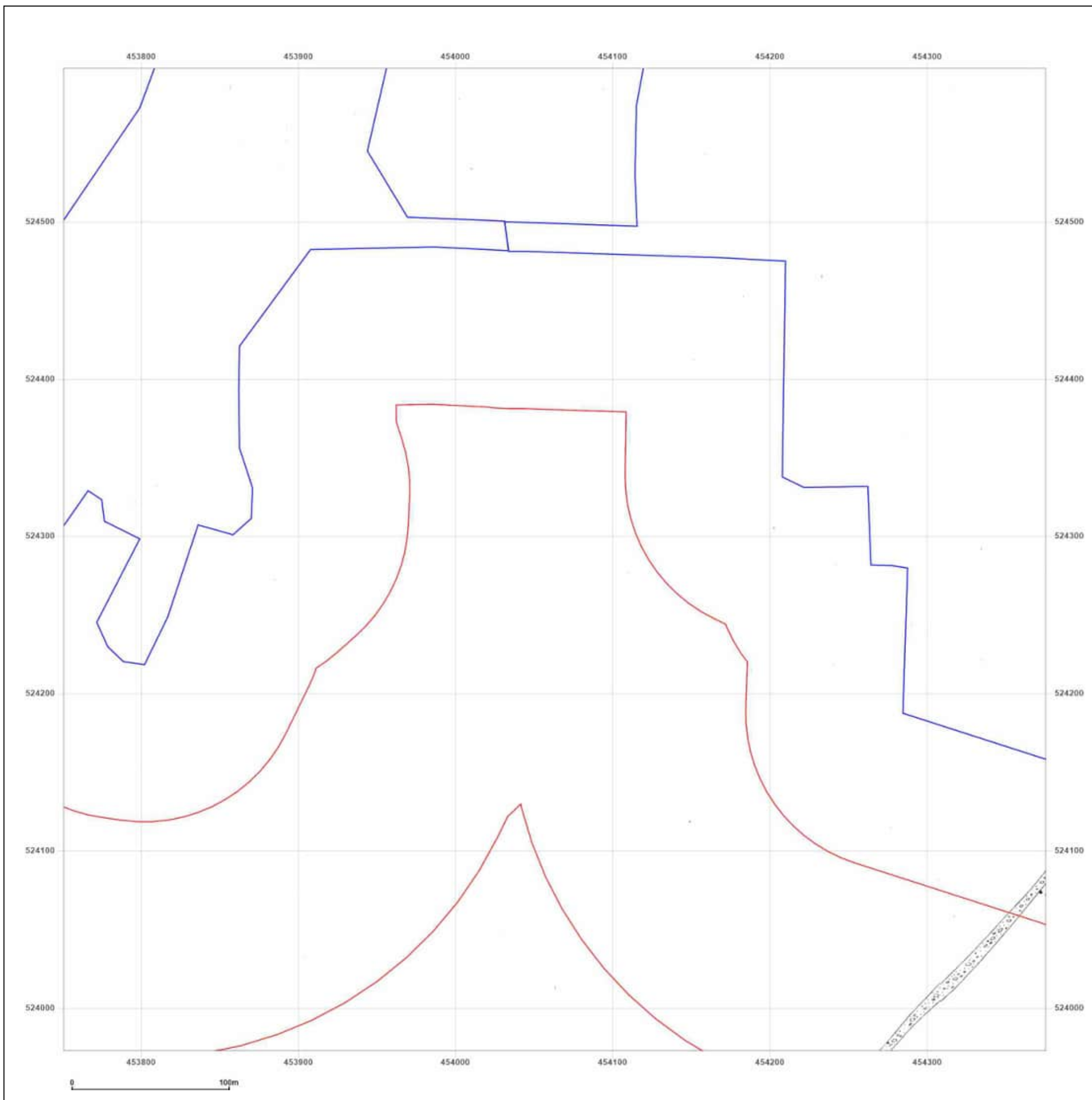


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
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**Grid Ref:** 454063, 524285

**Map Name:** County Series

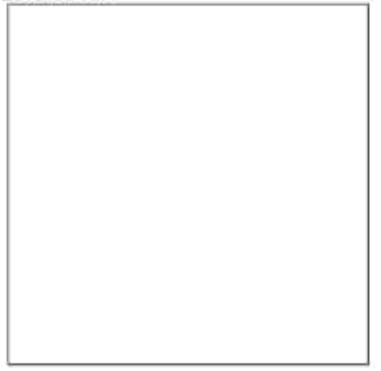
**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

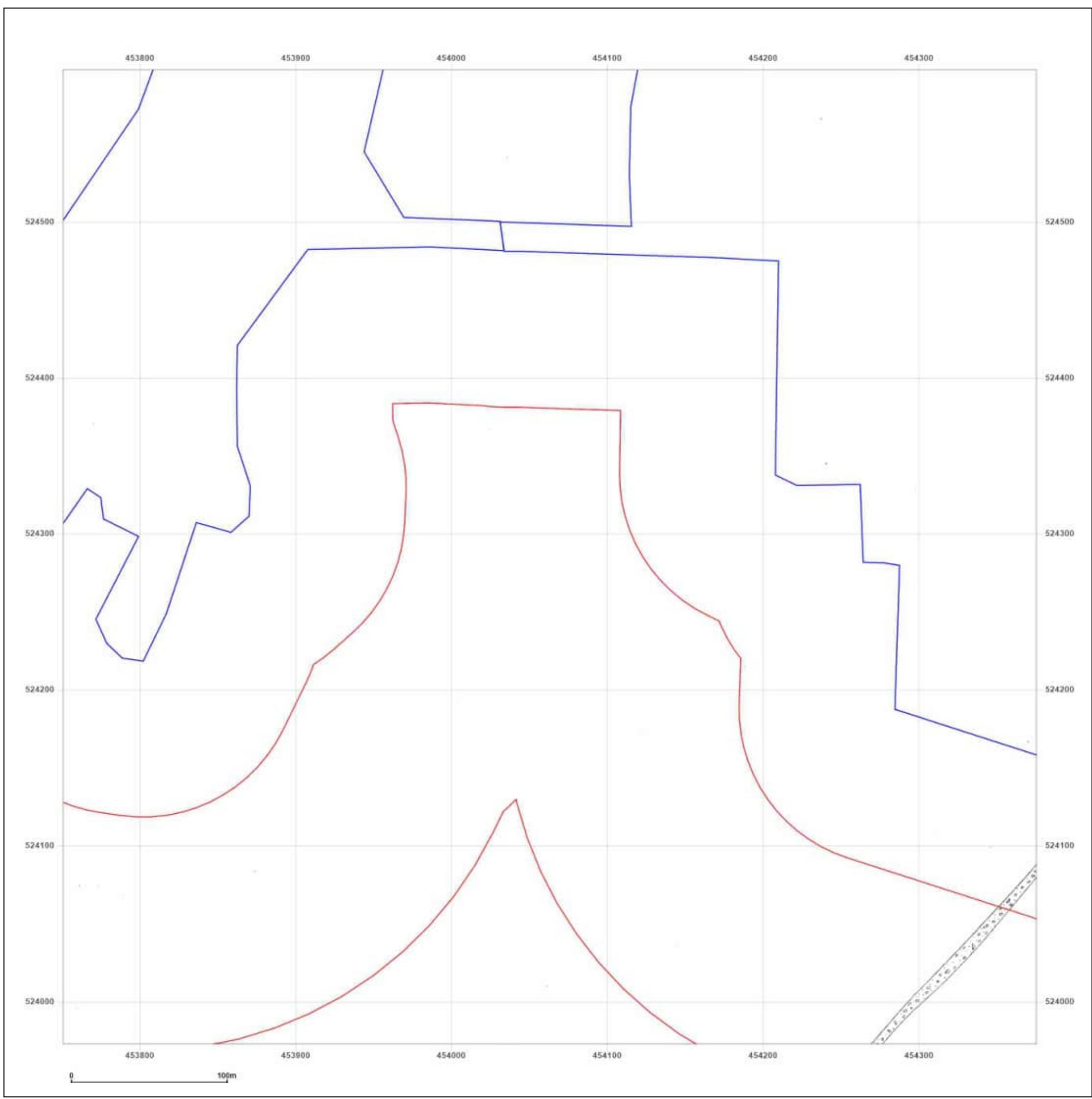



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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_2  
**Grid Ref:** 454063, 524285

**Map Name:** County Series


**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

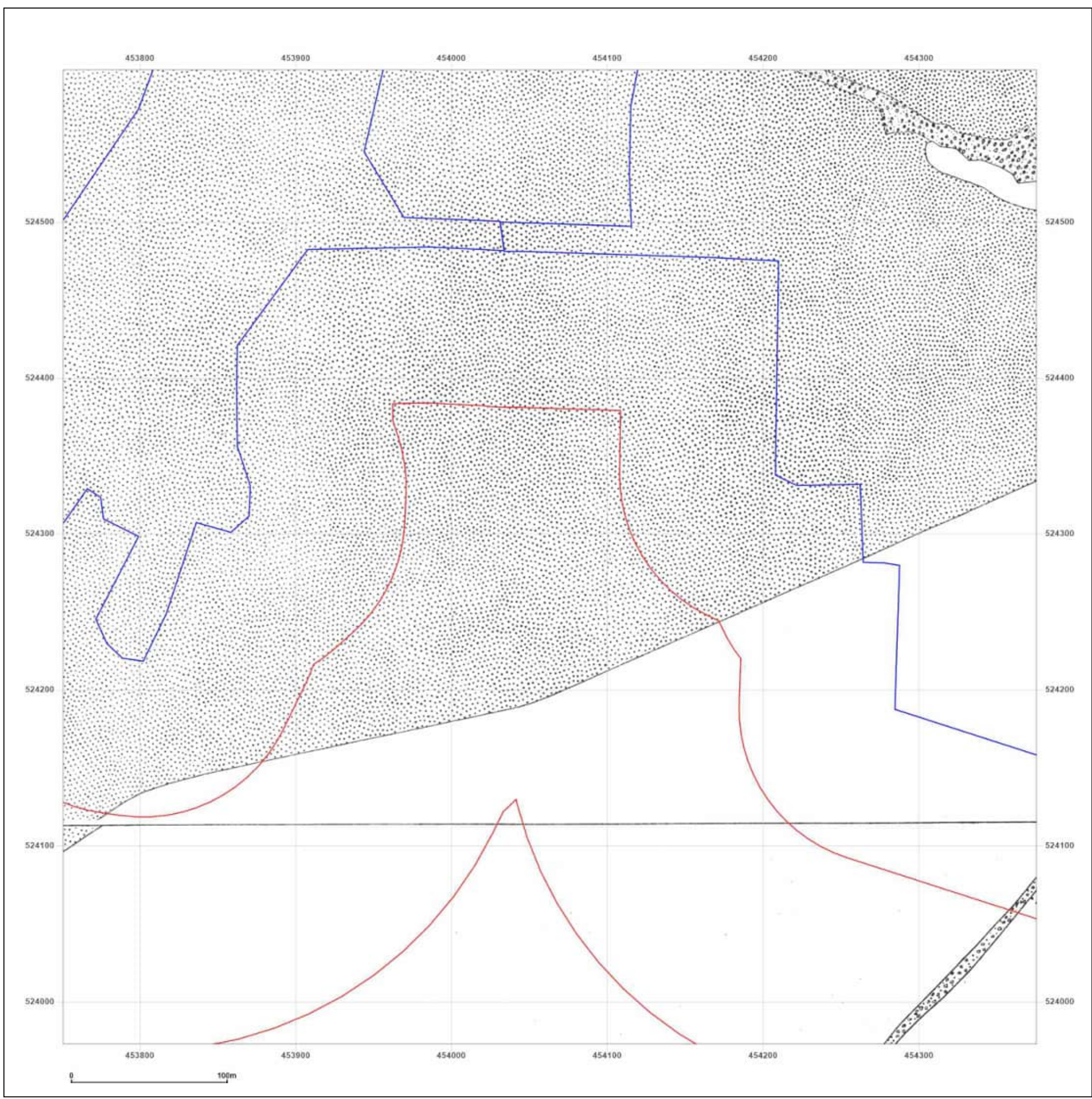


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_2  
**Grid Ref:** 454063, 524285

**Map Name:** National Grid

**Map date:** 1969

**Scale:** 1:2,500

**Printed at:** 1:2,500



<p>Surveyed N/A          Revised N/A          Edition N/A          Copyright N/A          Levelled N/A</p>	<p>Surveyed 1969          Revised 1969          Edition N/A          Copyright 1971          Levelled 1959</p>
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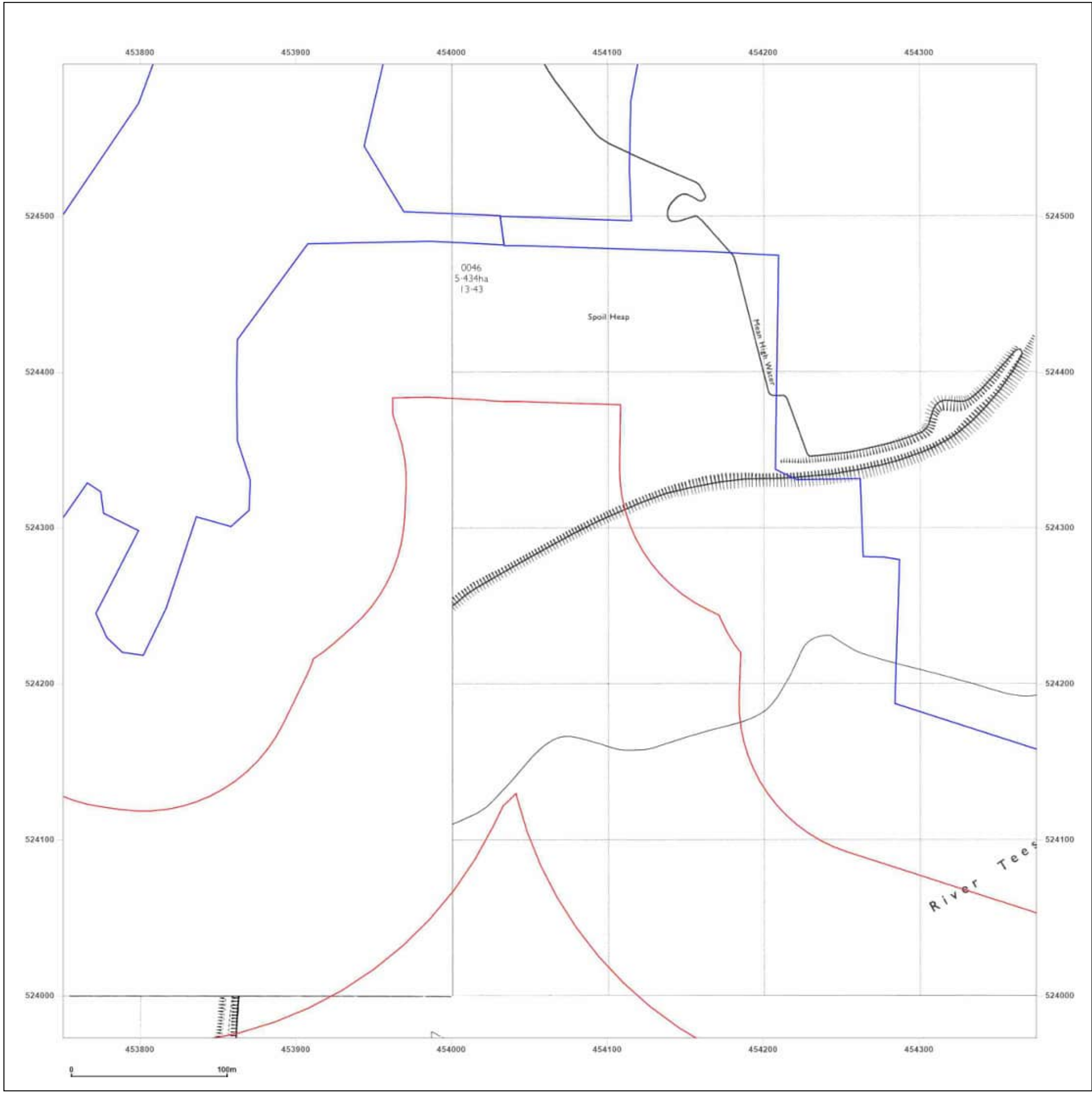


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**Site Details:**

WaveCrest - Teeside

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**Map Name:** National Grid

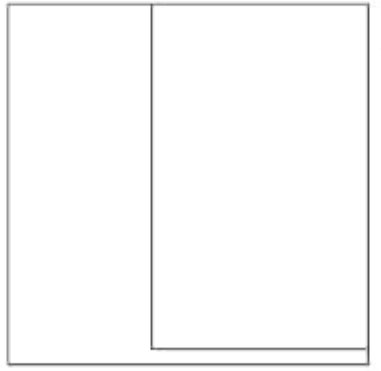
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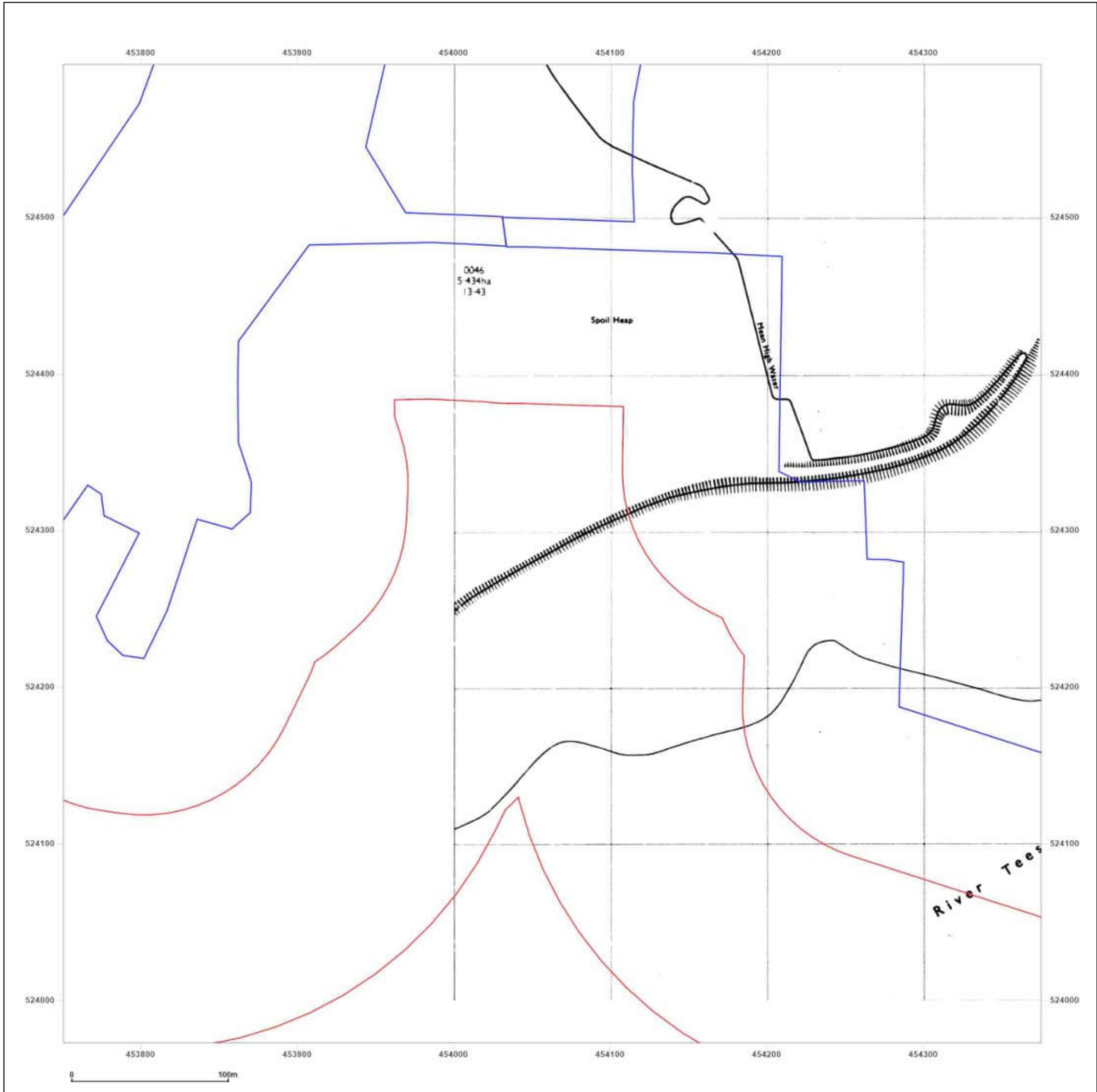
**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** County Series

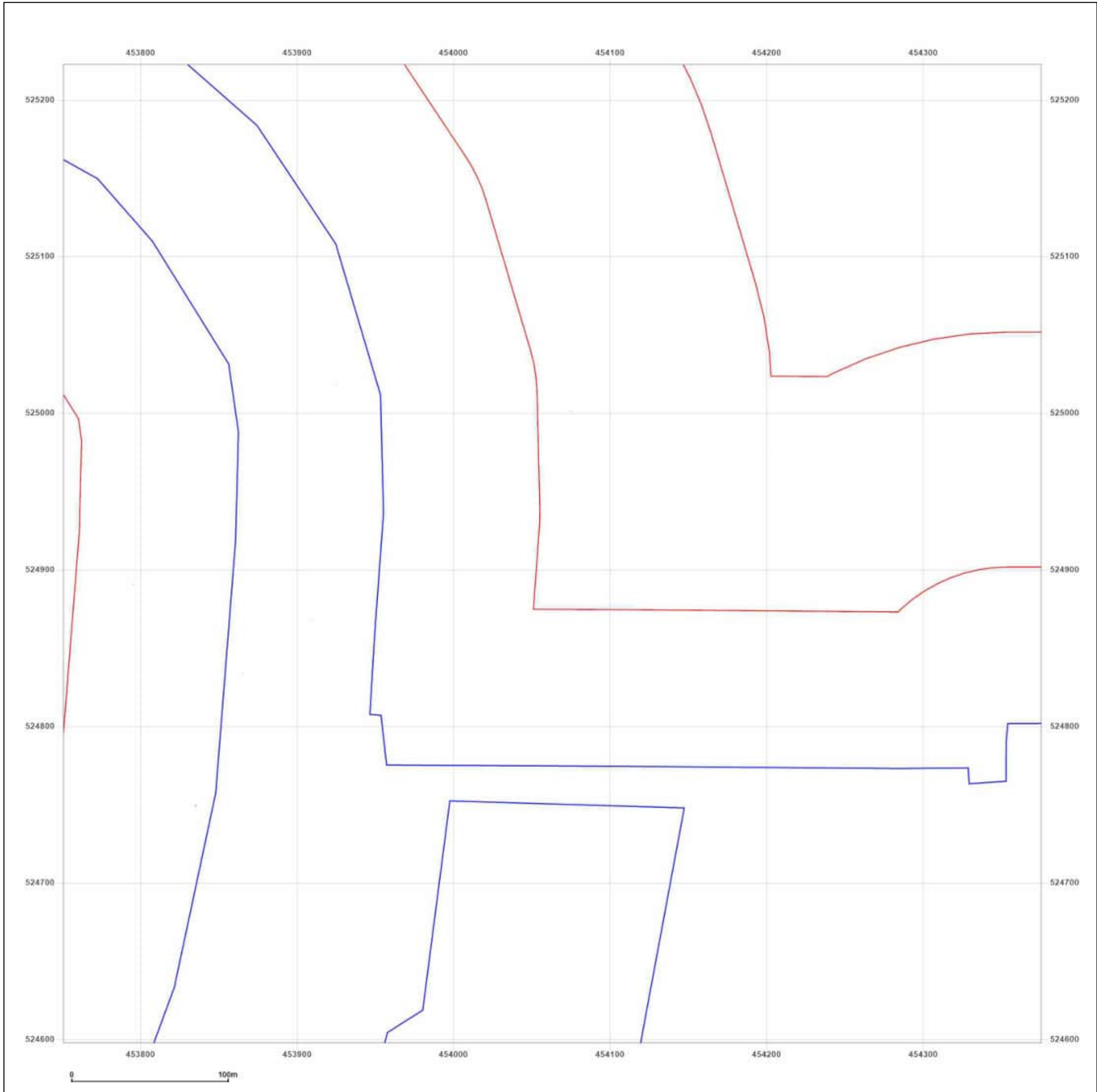
**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

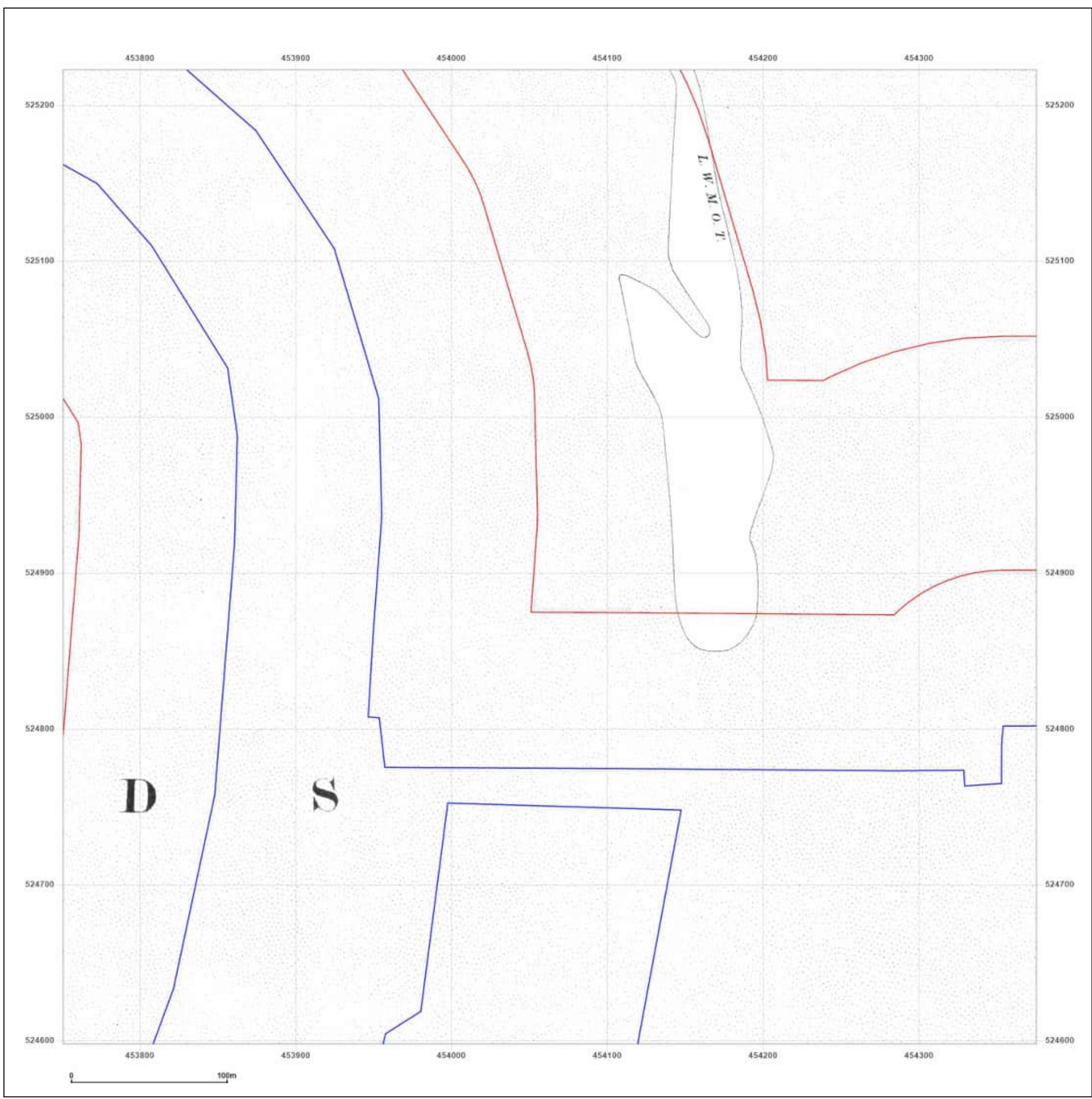


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** County Series

**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

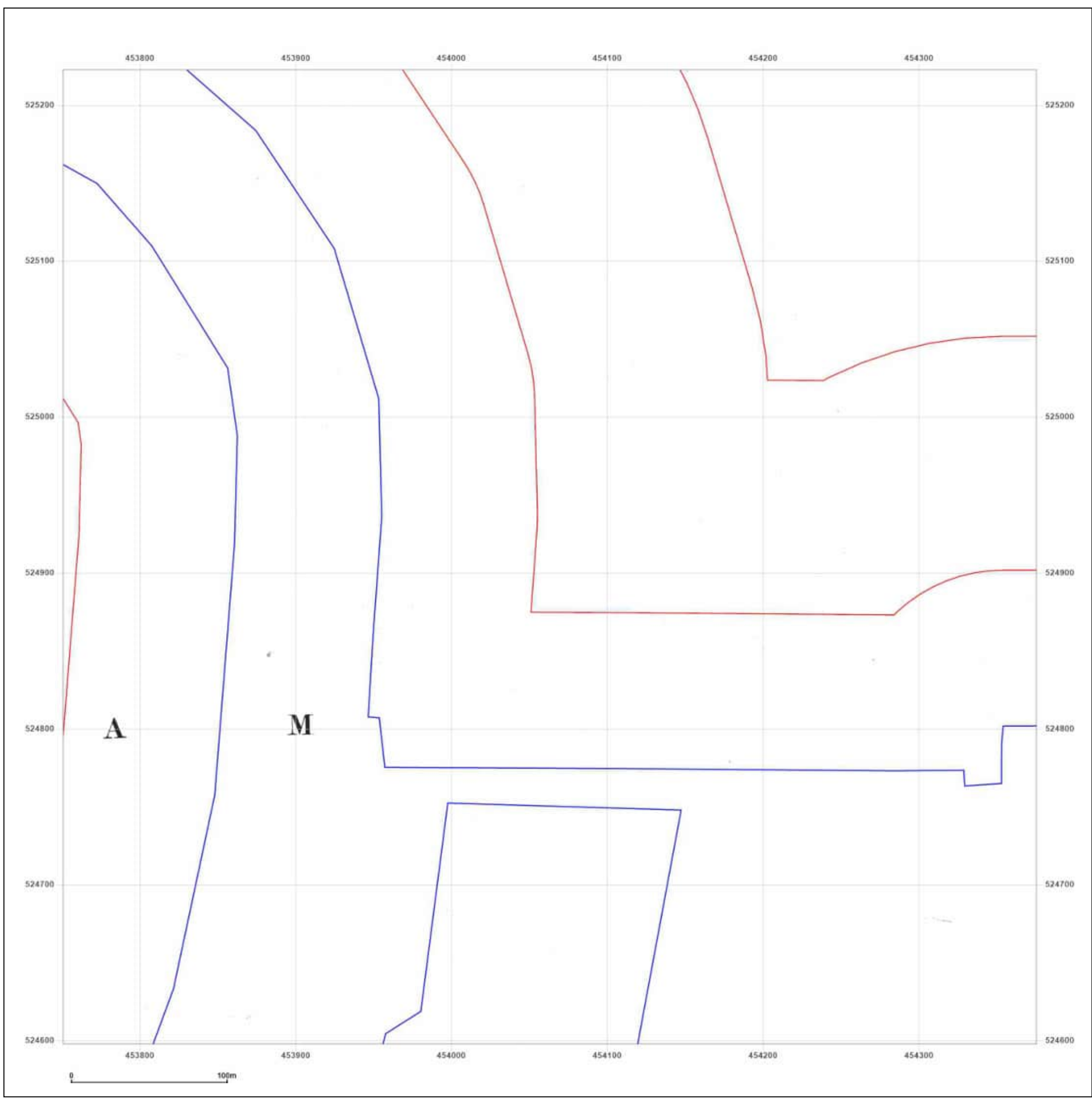


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** County Series

**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

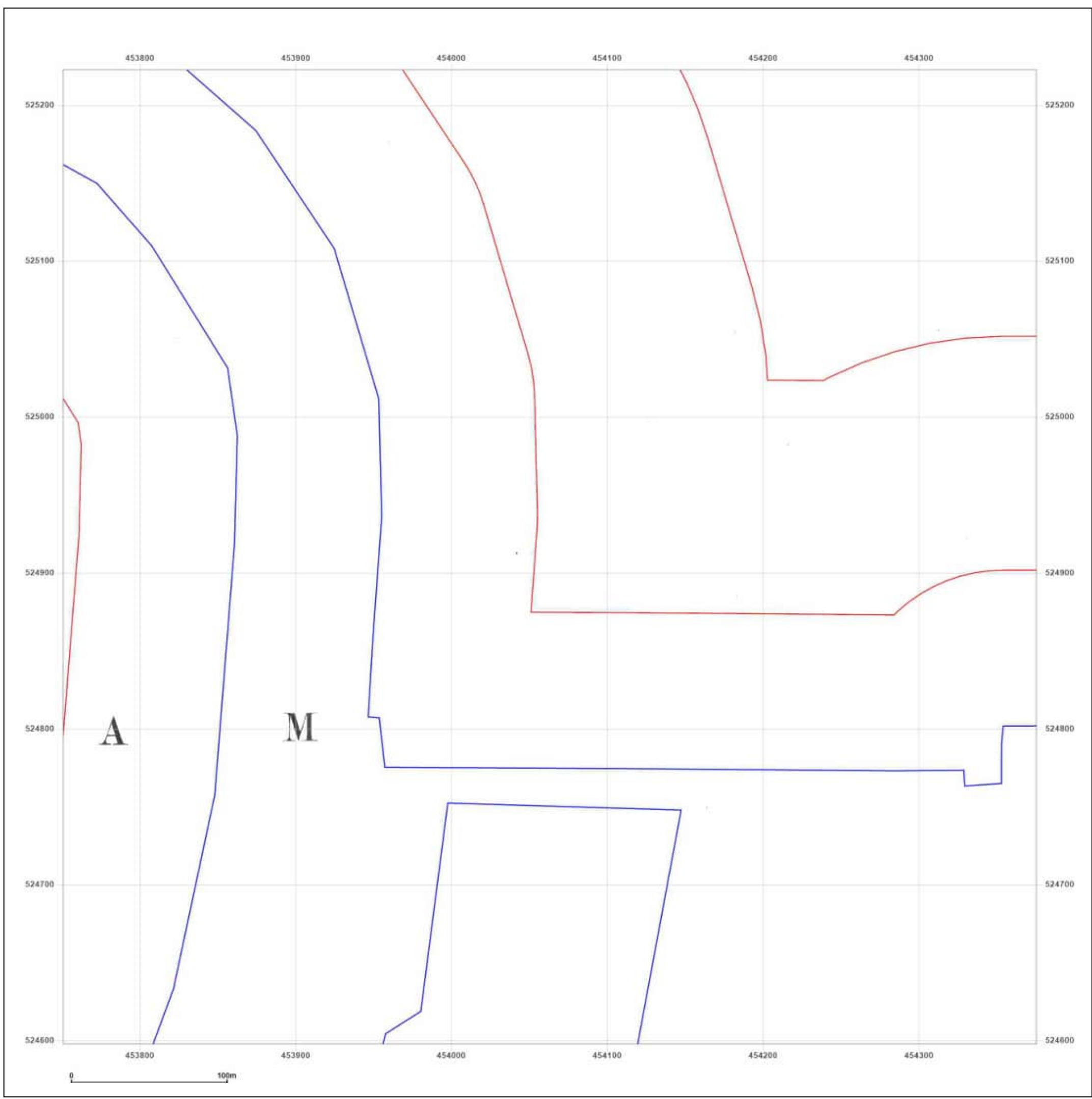


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**Site Details:**

WaveCrest - Teeside

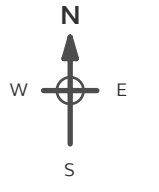
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**Map Name:** County Series

**Map date:** 1939

**Scale:** 1:2,500

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Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

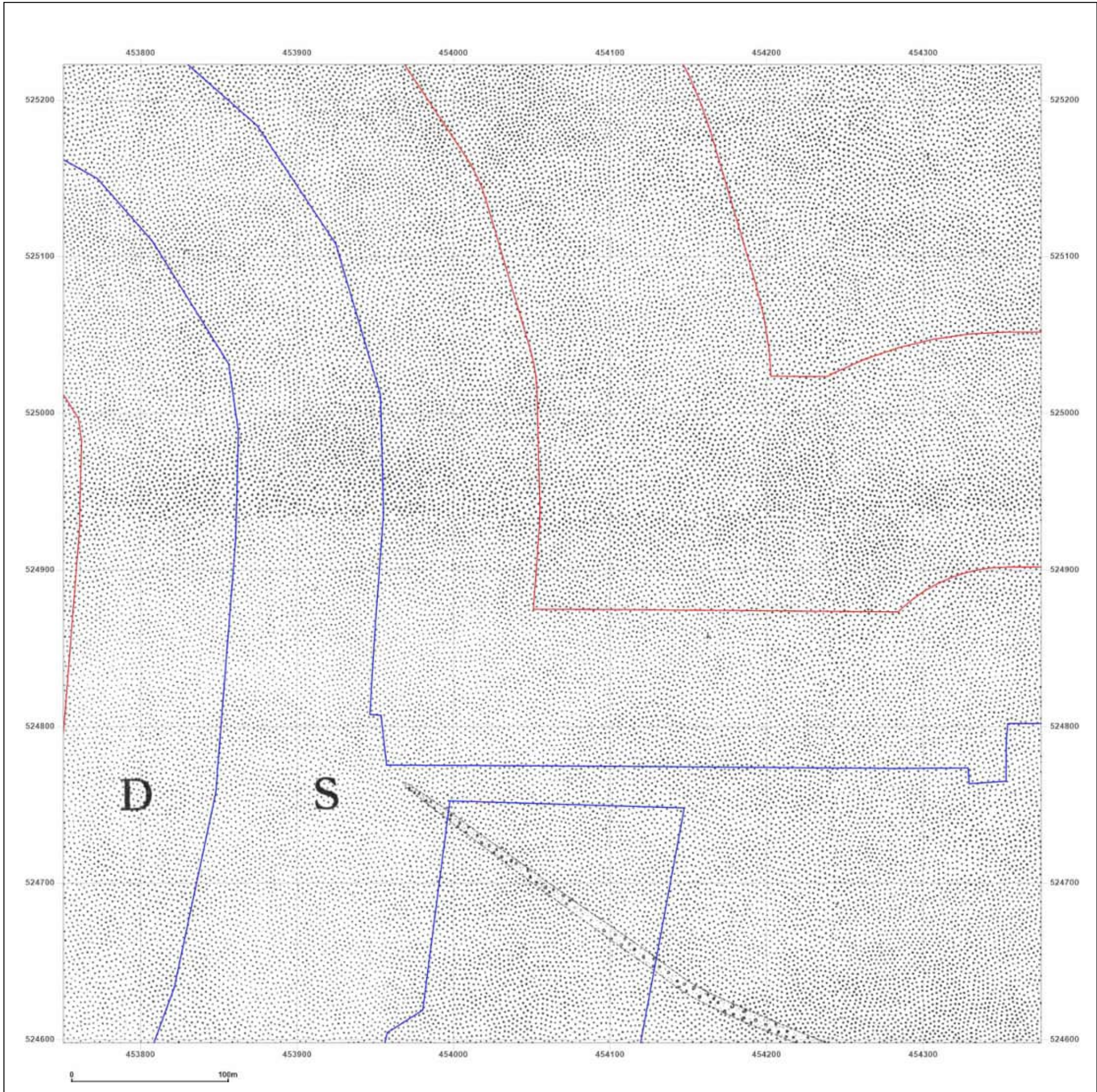


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
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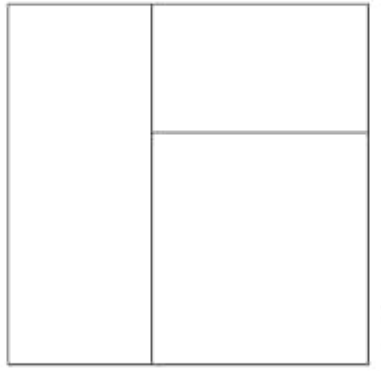
**Map Name:** National Grid

**Map date:** 1967-1969

**Scale:** 1:2,500

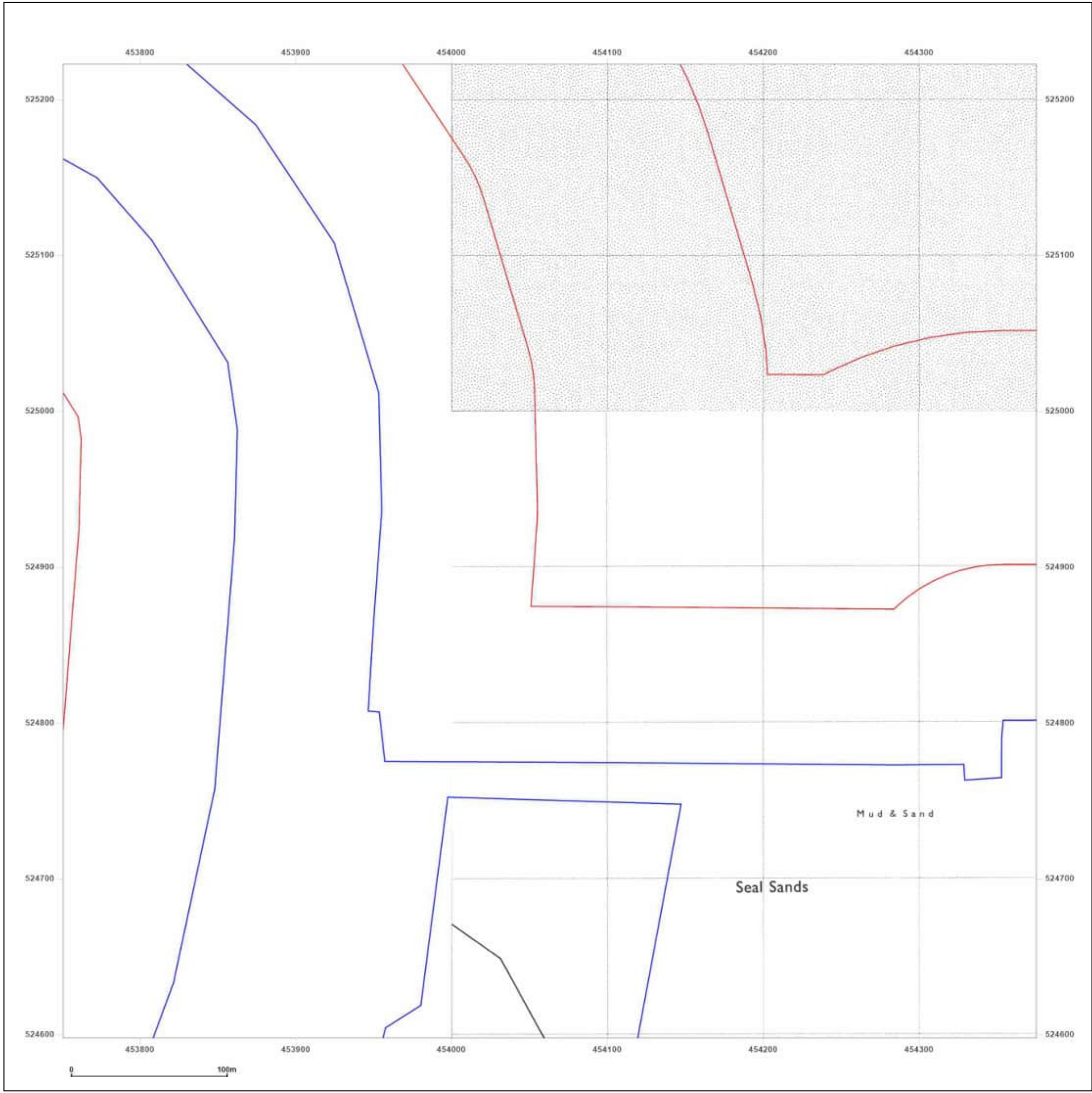
**Printed at:** 1:2,500





Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1968  
 Levelled 1959

Surveyed 1969  
 Revised 1969  
 Edition N/A  
 Copyright 1971  
 Levelled 1959



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**Site Details:**

WaveCrest - Teeside

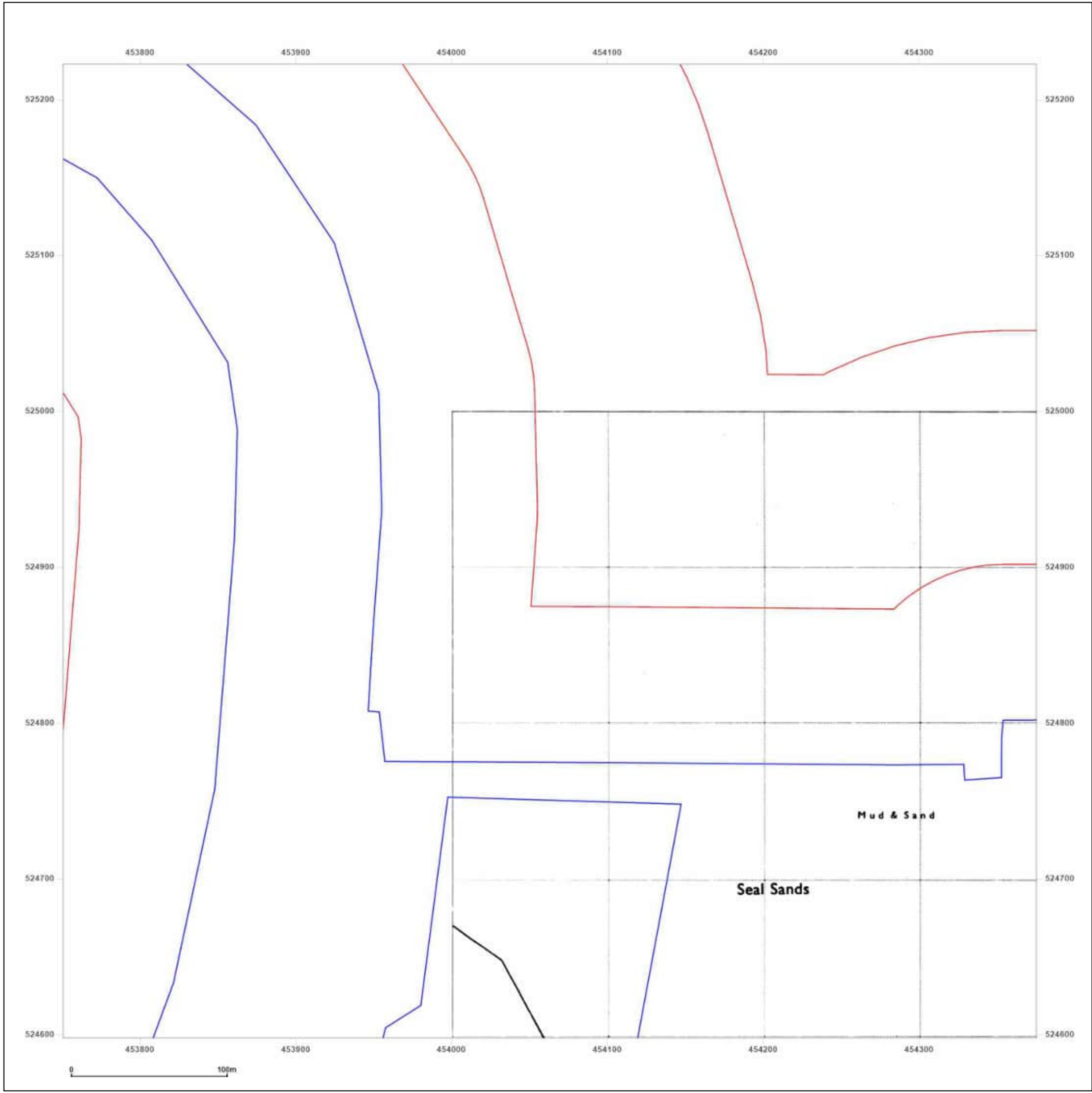
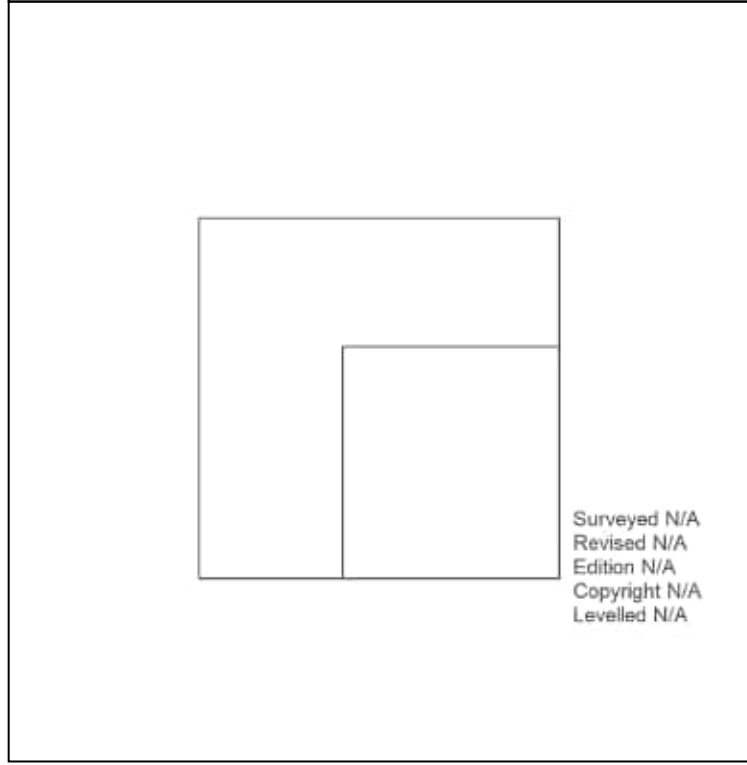
**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** National Grid

**Map date:** 1971

**Scale:** 1:2,500

**Printed at:** 1:2,500



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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454063, 524910

**Map Name:** National Grid

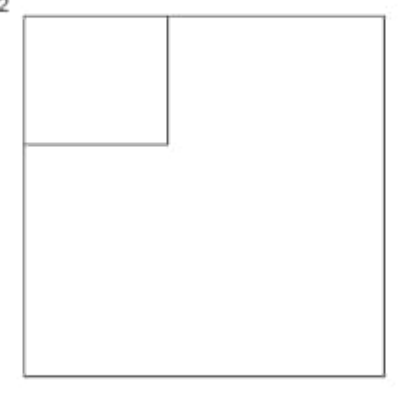
**Map date:** 1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

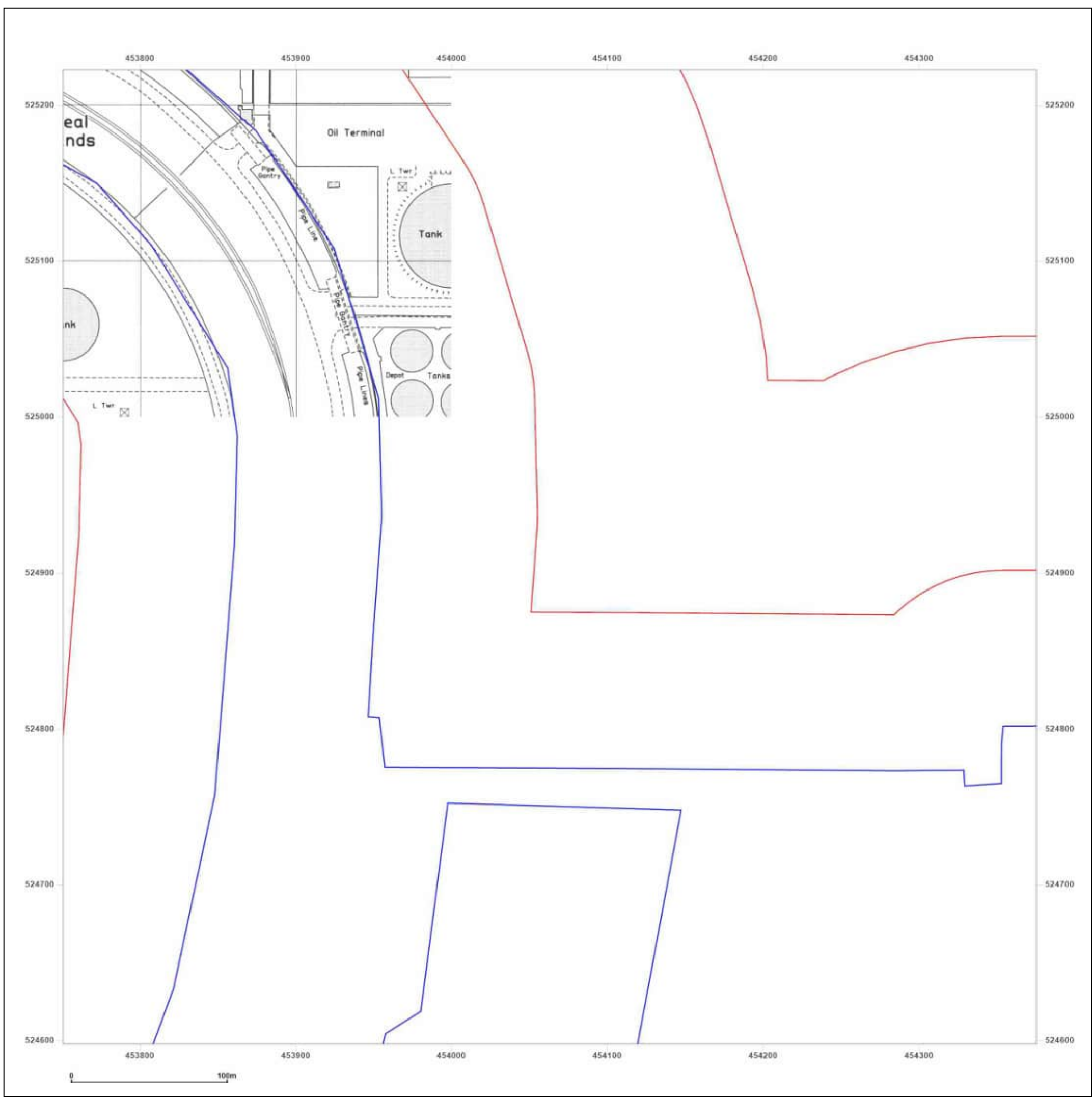


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_3  
**Grid Ref:** 454063, 524910

**Map Name:** National Grid

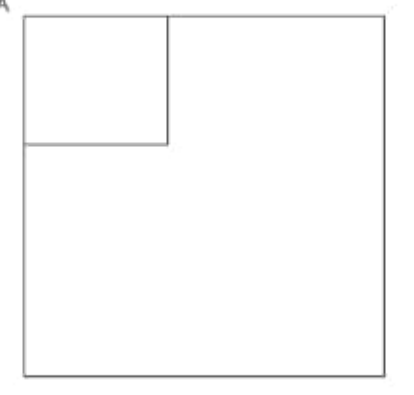
**Map date:** 1988

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

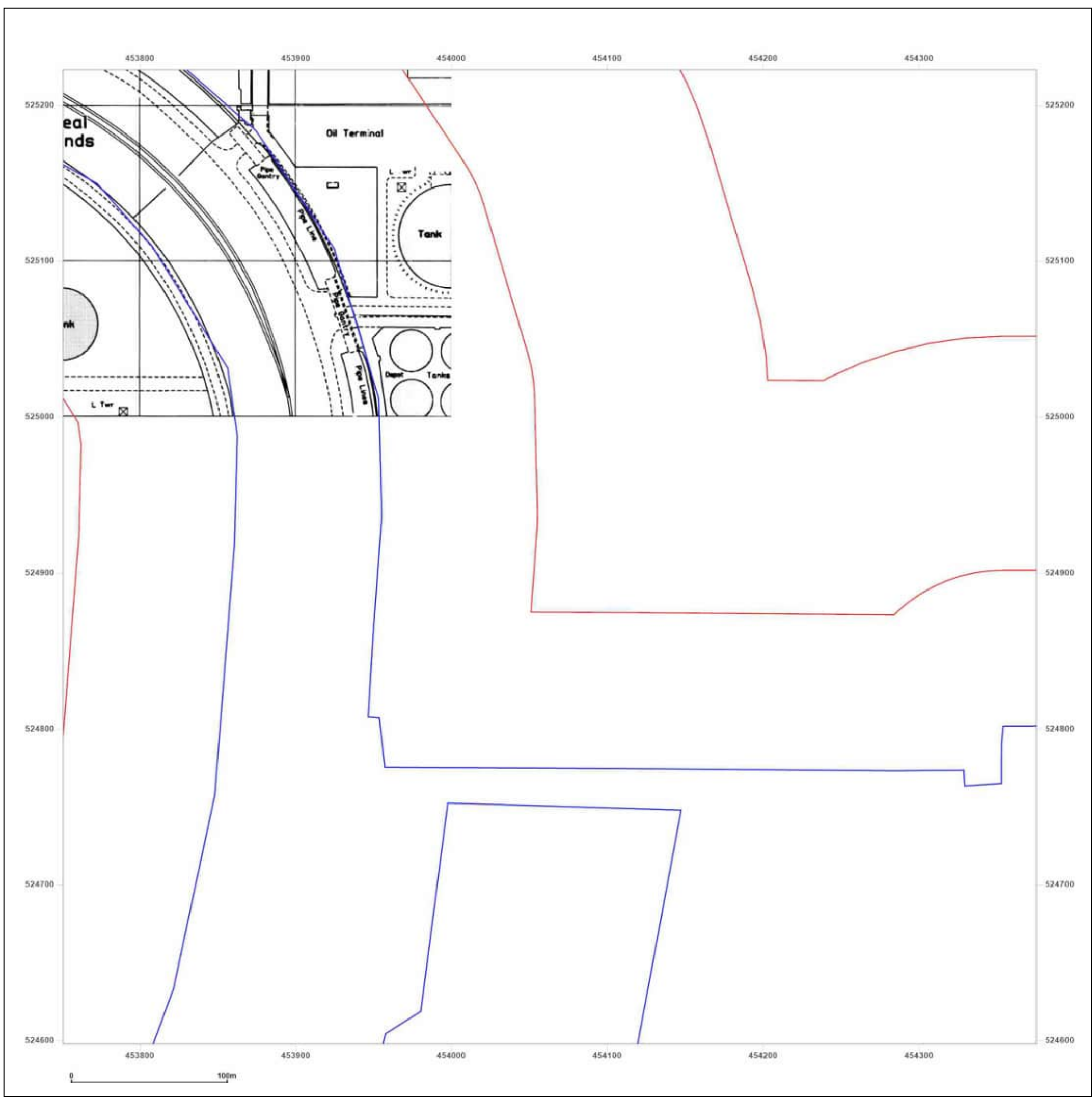


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** County Series

**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

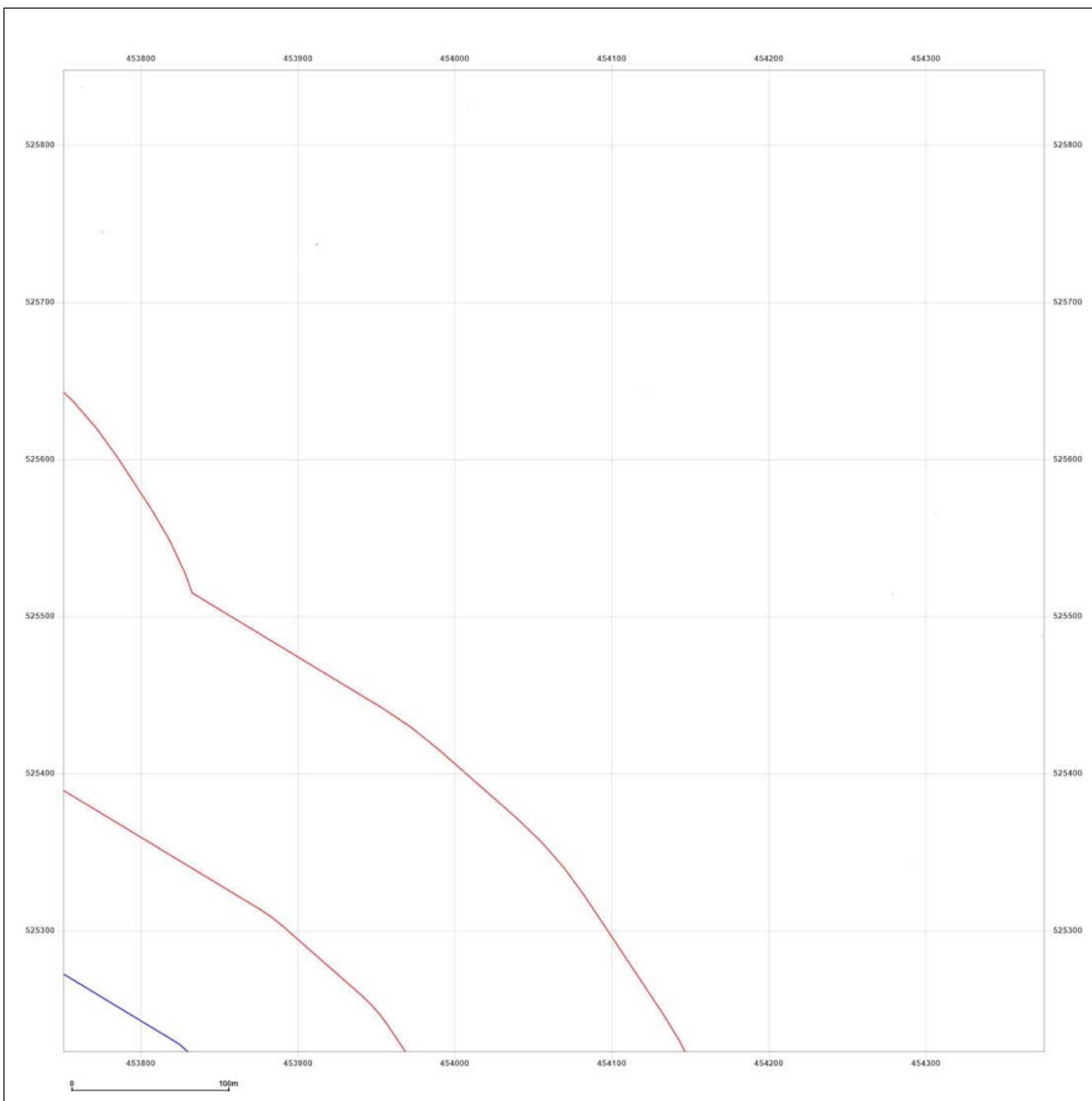


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** County Series

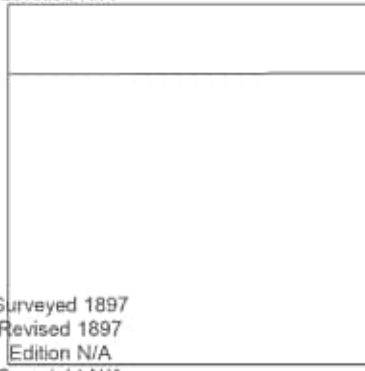
**Map date:** 1897

**Scale:** 1:2,500

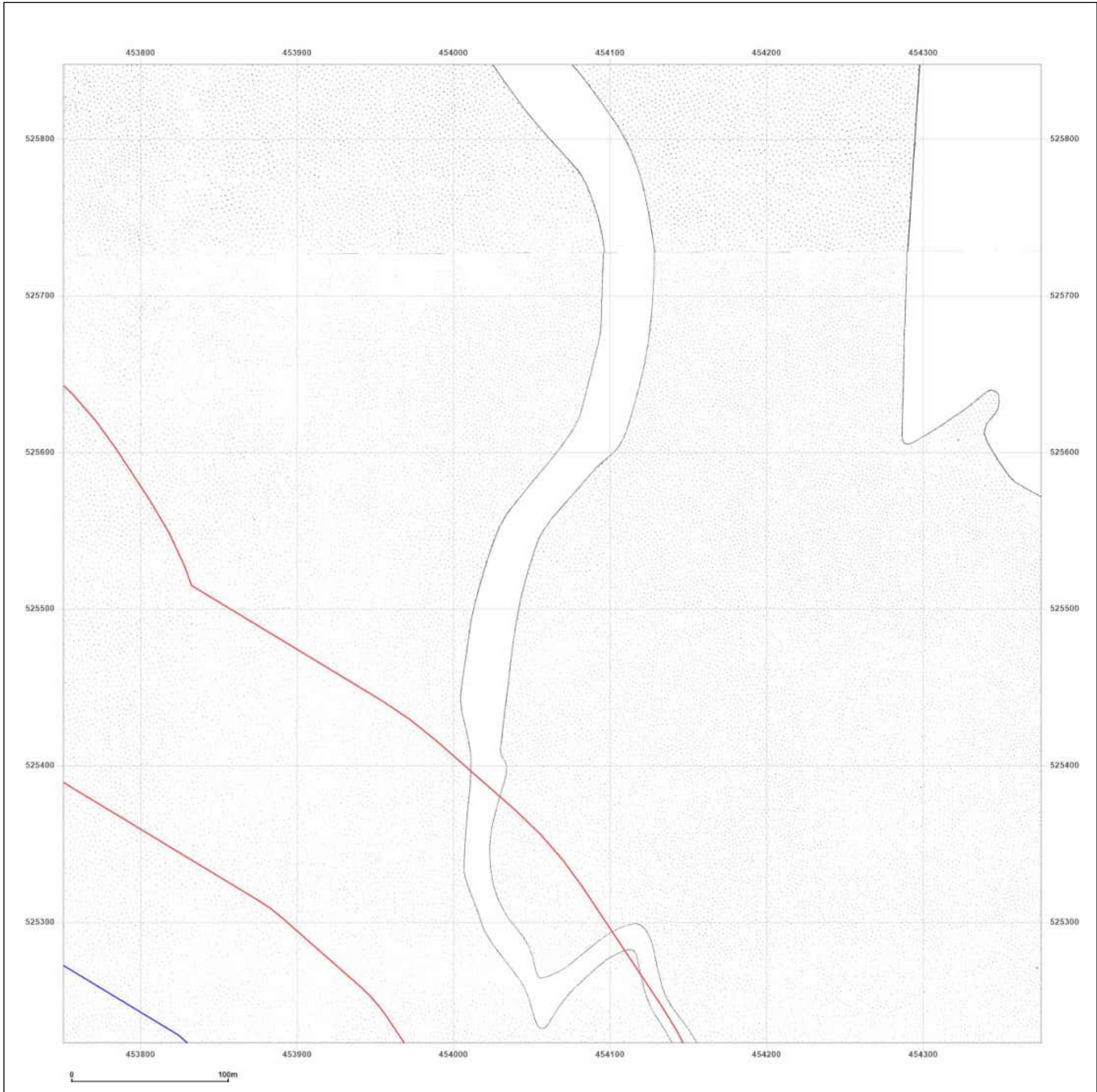
**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** County Series

**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

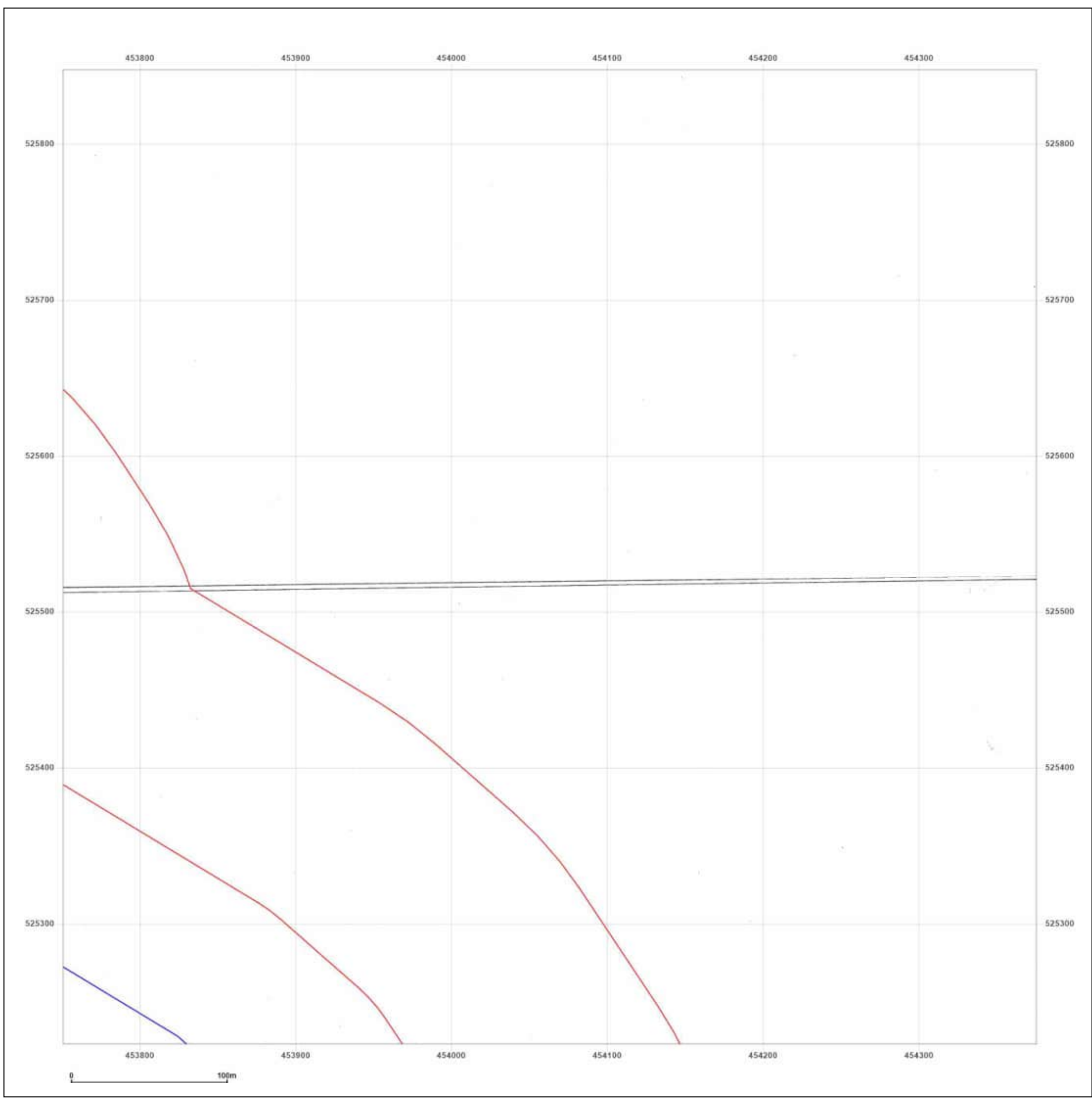


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** County Series

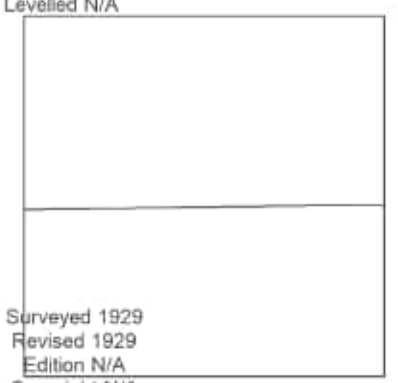
**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

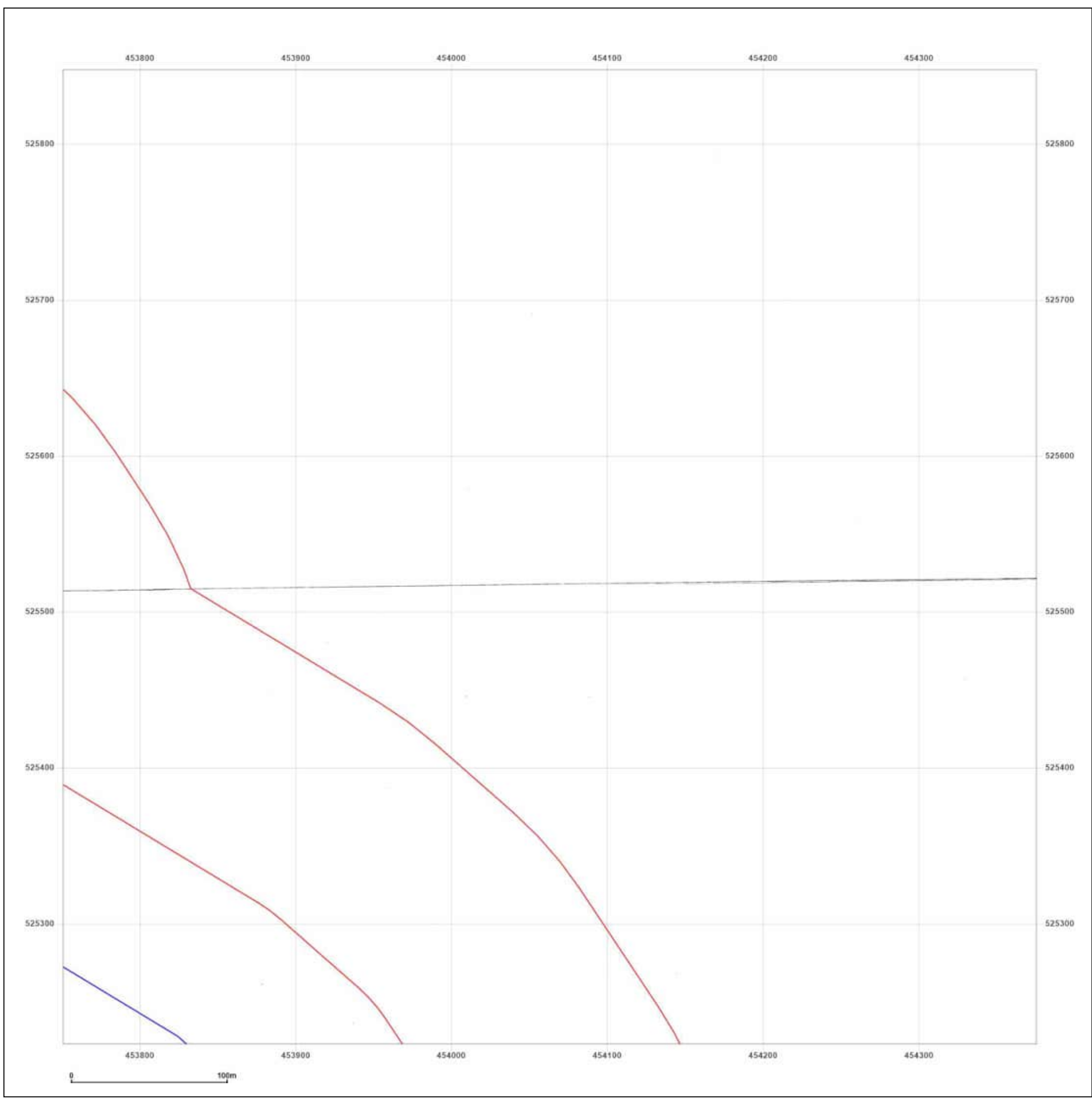


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** County Series

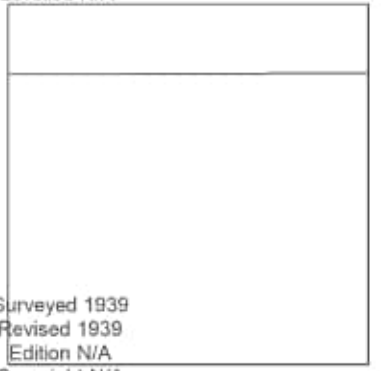
**Map date:** 1939

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

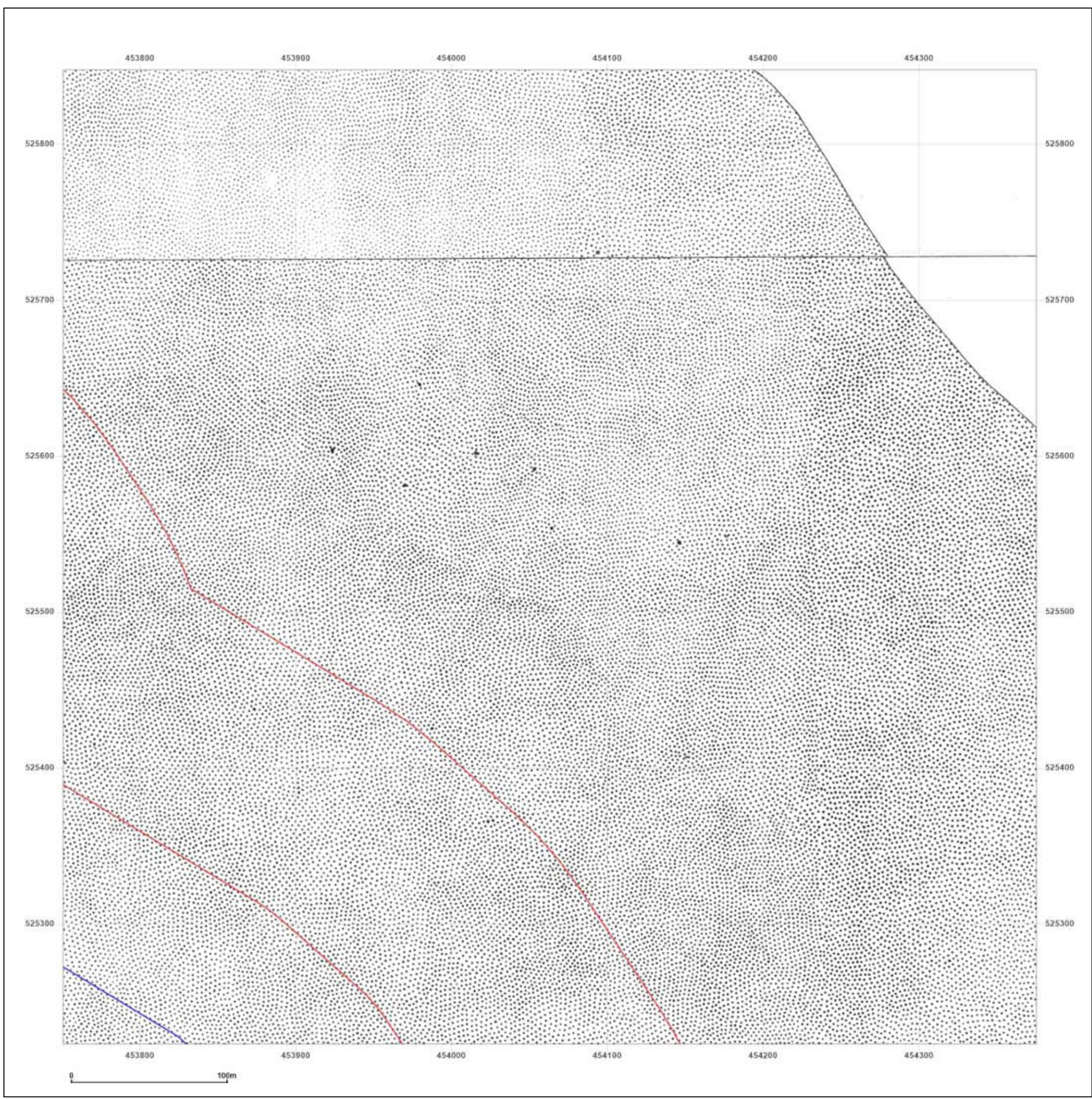


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** National Grid

**Map date:** 1967

**Scale:** 1:2,500

**Printed at:** 1:2,500



Seal Sands  
*Mud and Sand*

3148  
 161-15

Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright 1968  
 Levelled 1959

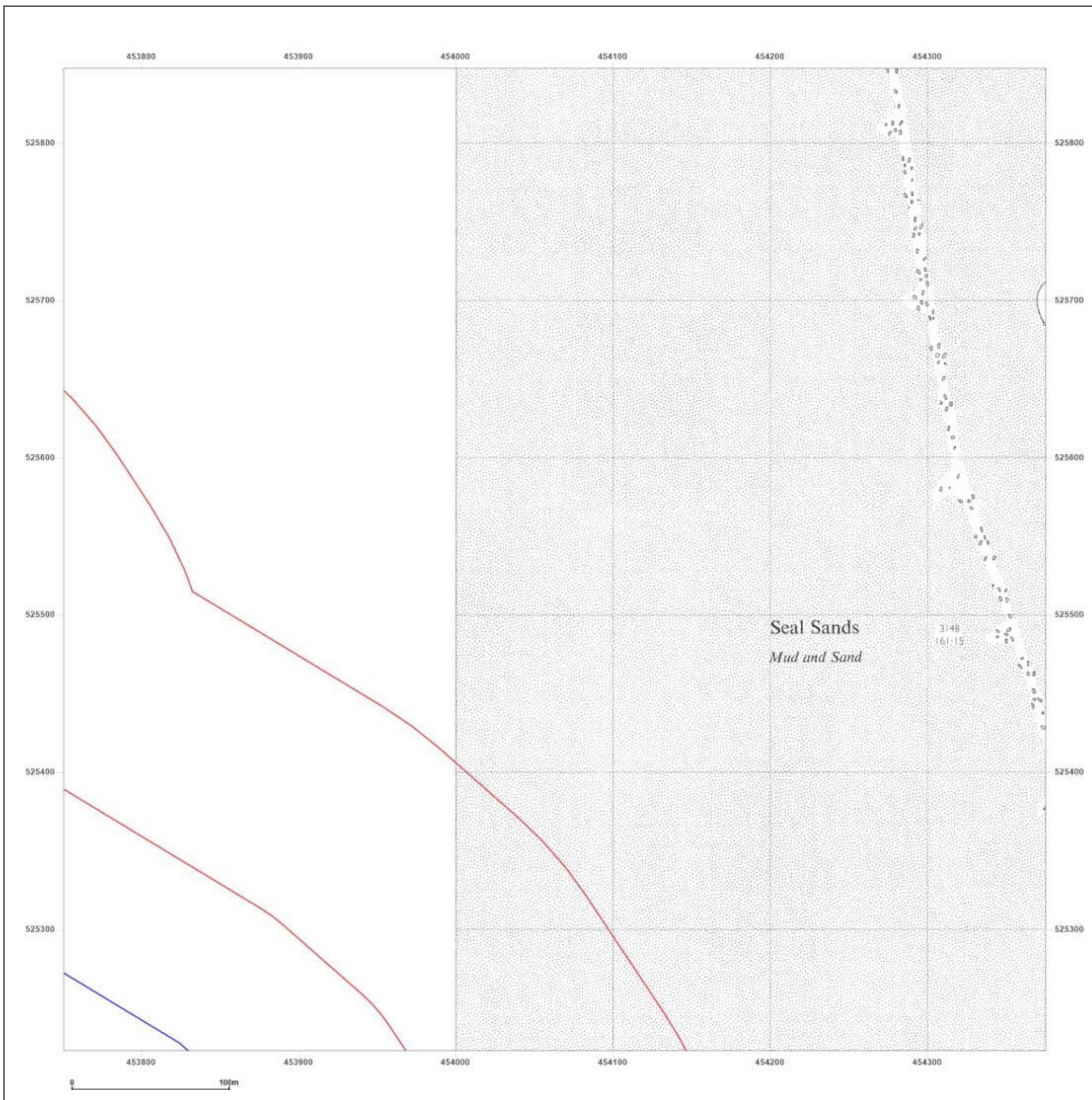


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** National Grid

**Map date:** 1987

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
 Revised 1987  
 Edition N/A  
 Copyright 1988  
 Levelled 1952

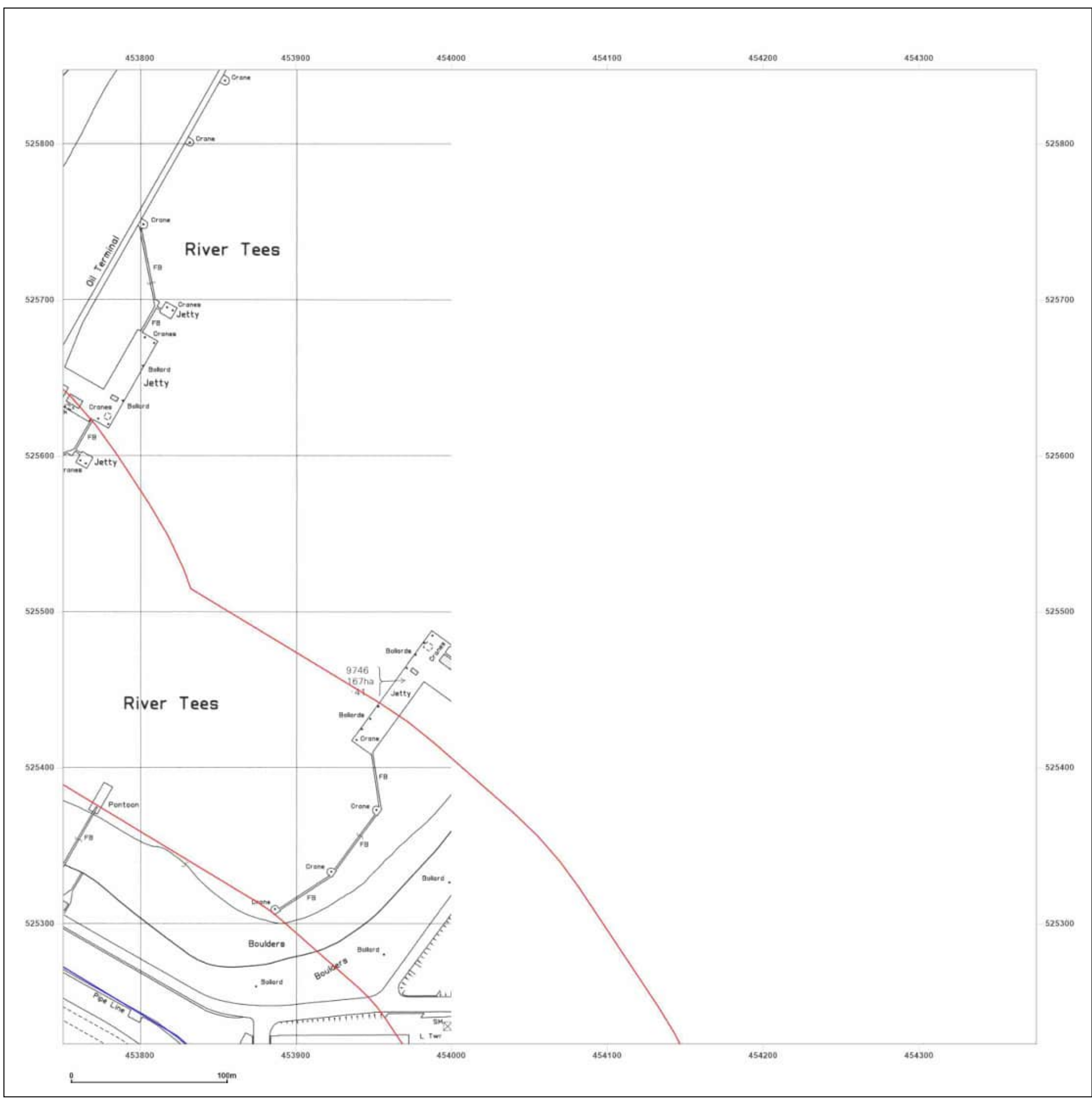


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_5\_4  
**Grid Ref:** 454063, 525535

**Map Name:** National Grid

**Map date:** 1988

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

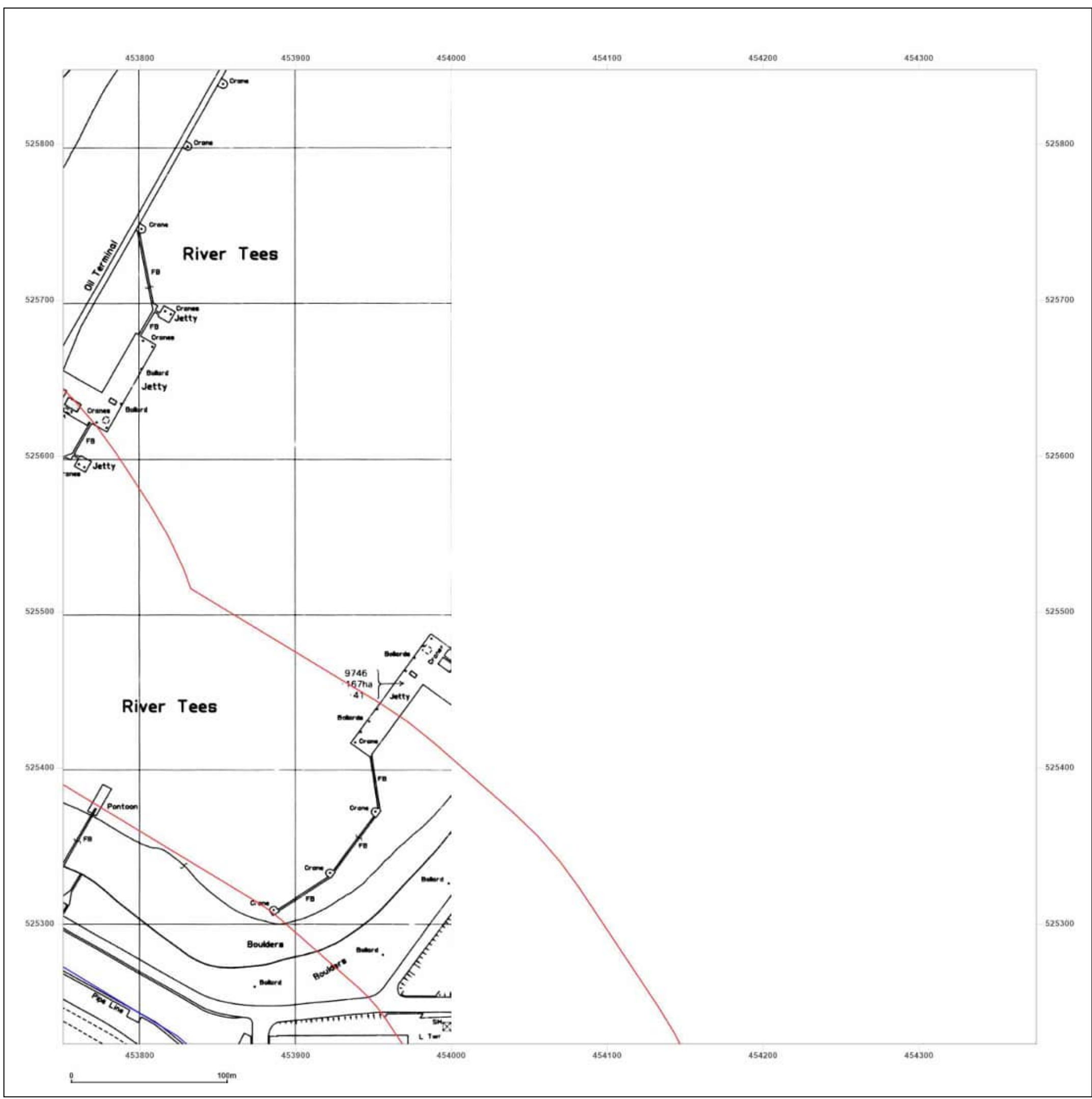


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** County Series

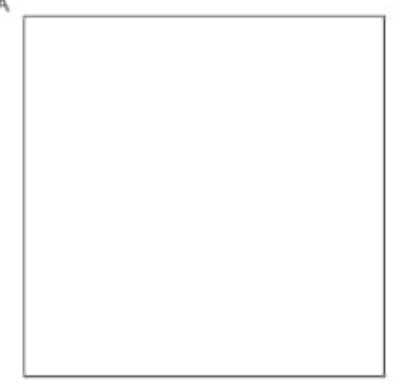
**Map date:** 1894

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

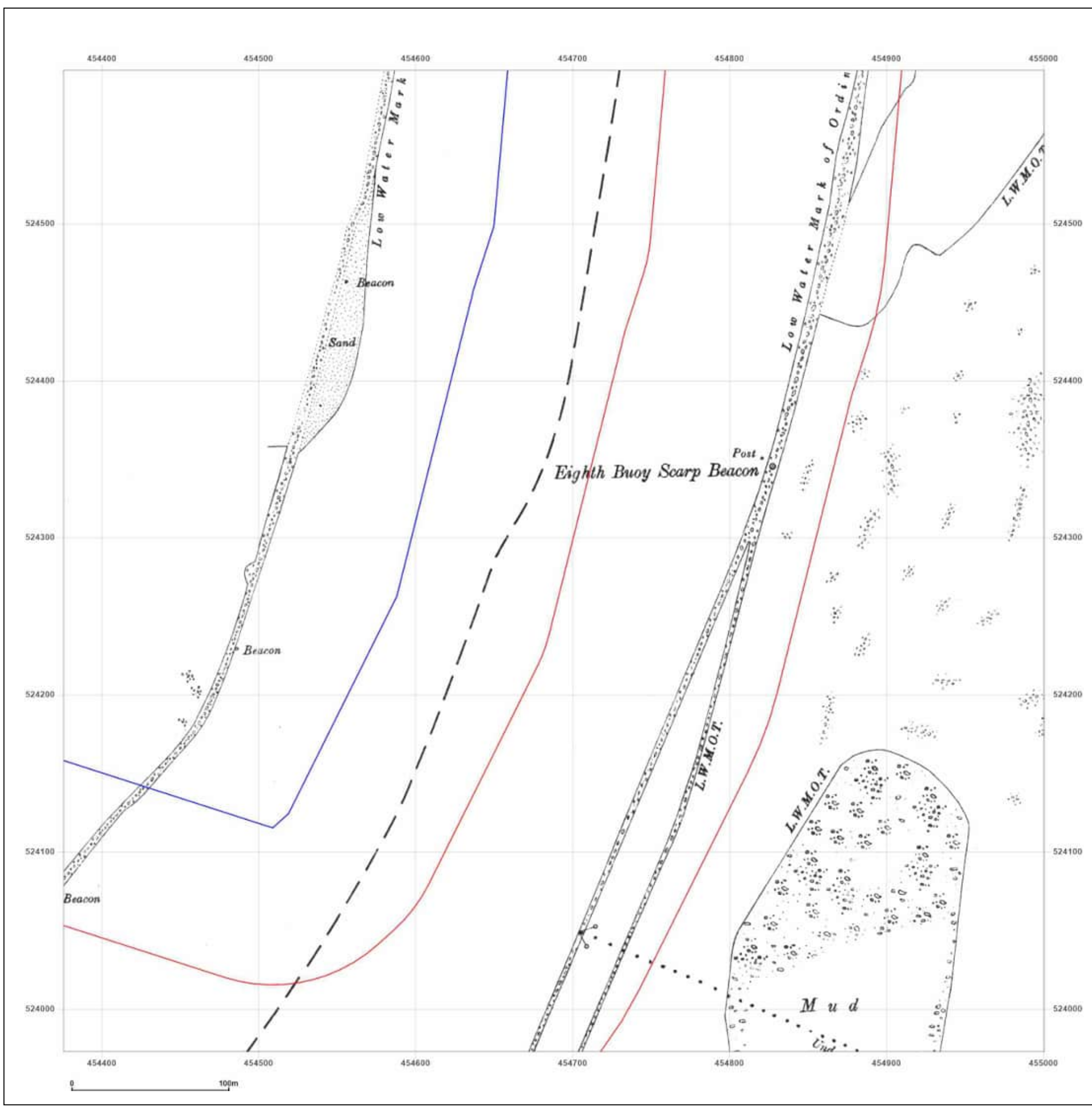


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** County Series

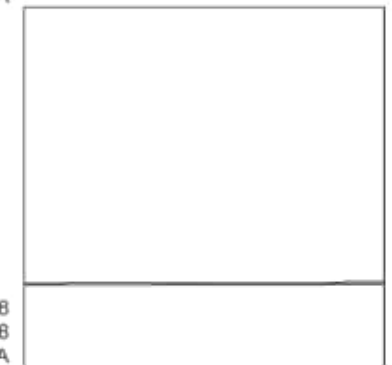
**Map date:** 1897-1898

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1897  
 Revised 1897  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1898  
 Revised 1898  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

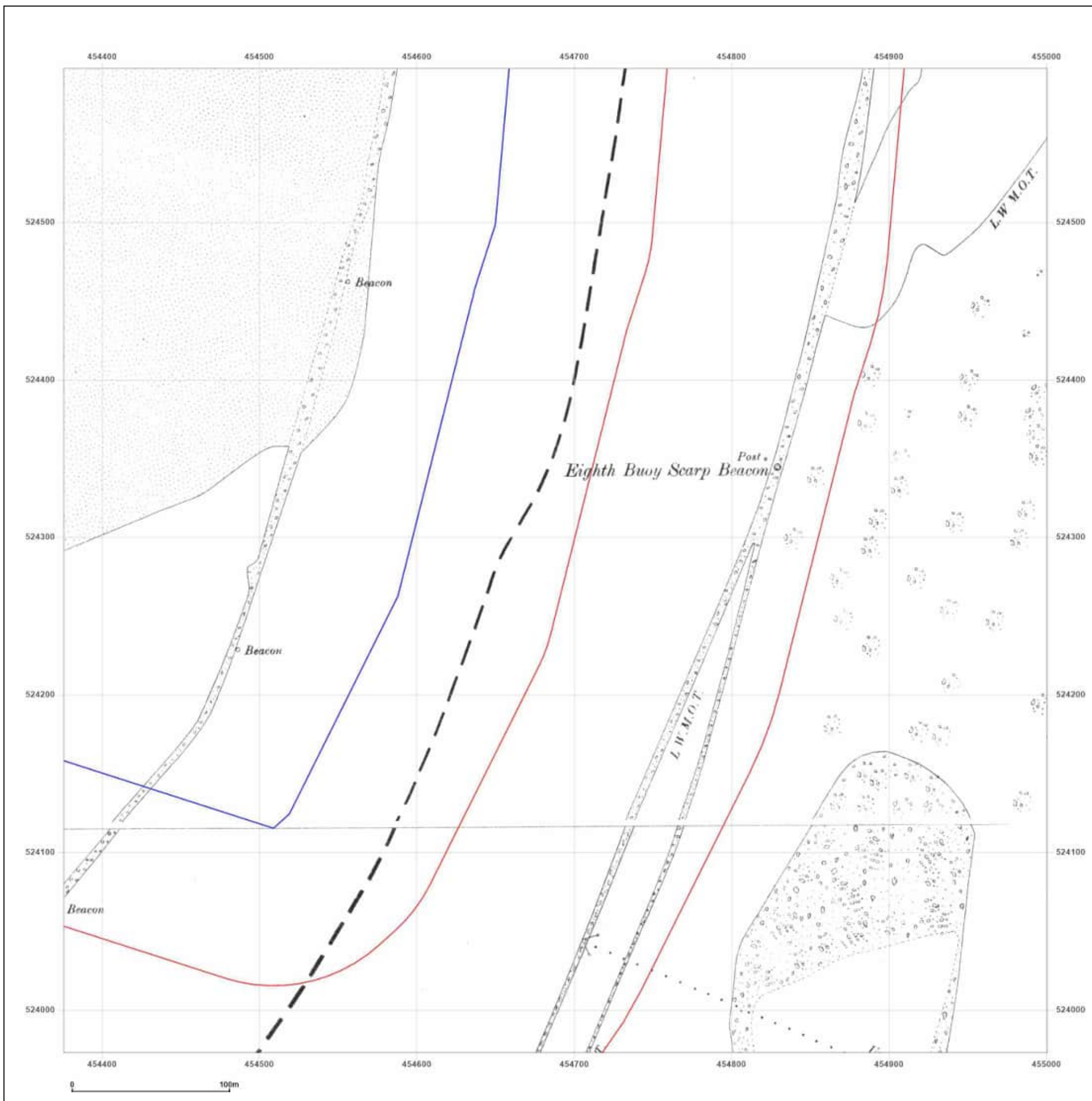


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** County Series

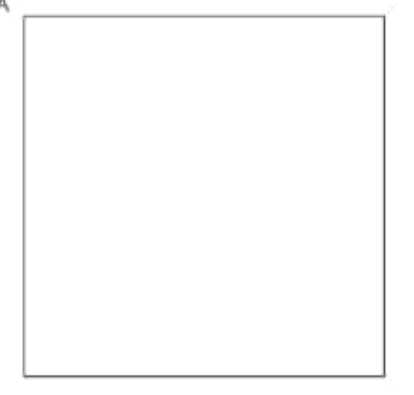
**Map date:** 1915

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1915  
 Revised 1915  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

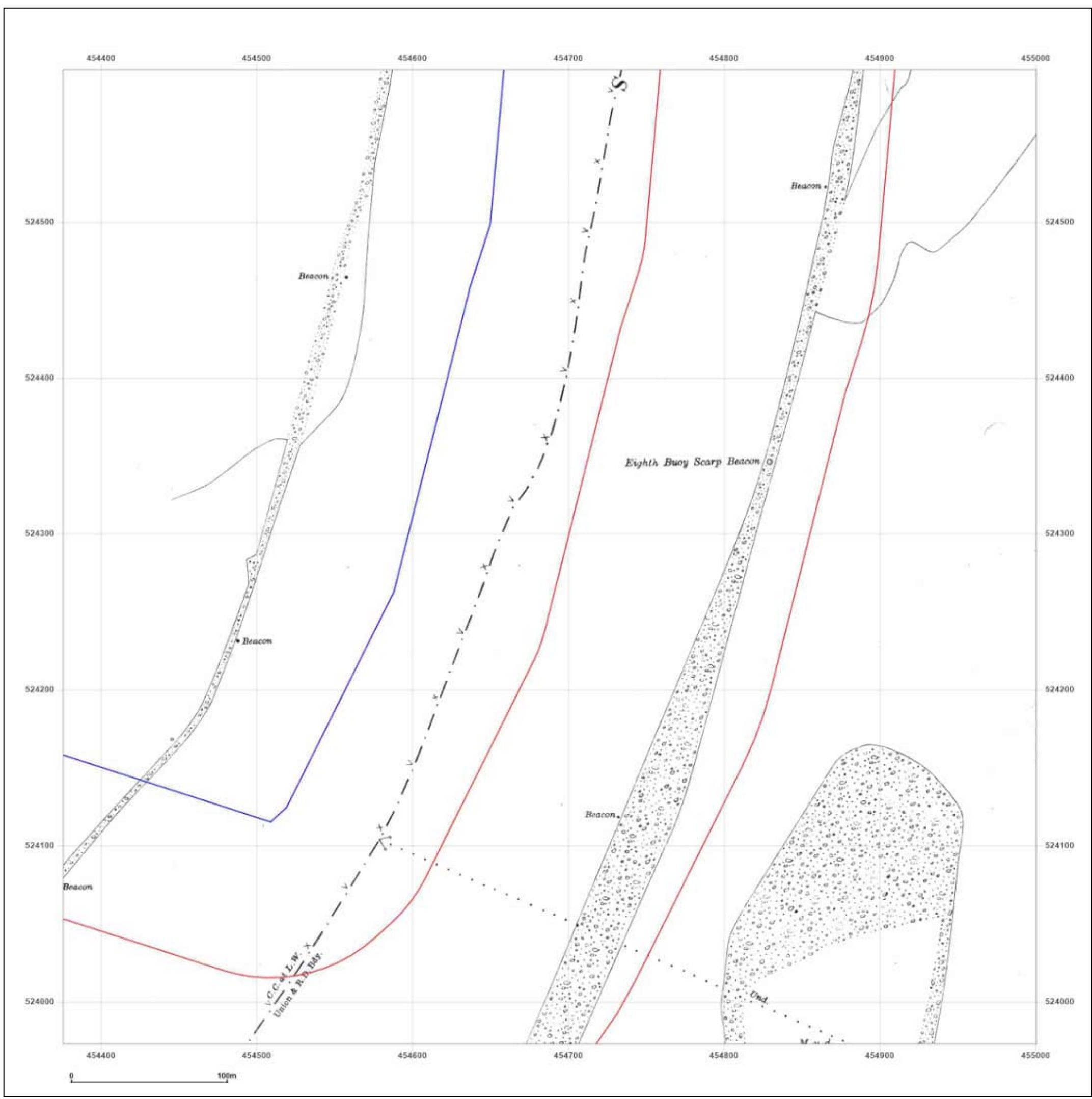


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** County Series

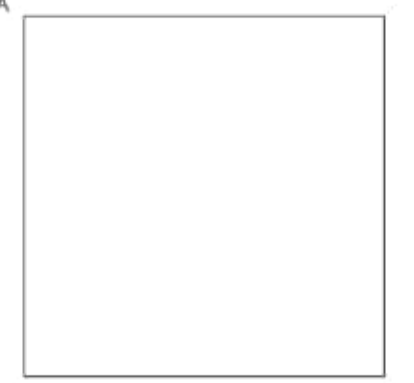
**Map date:** 1929

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1929  
 Revised 1929  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

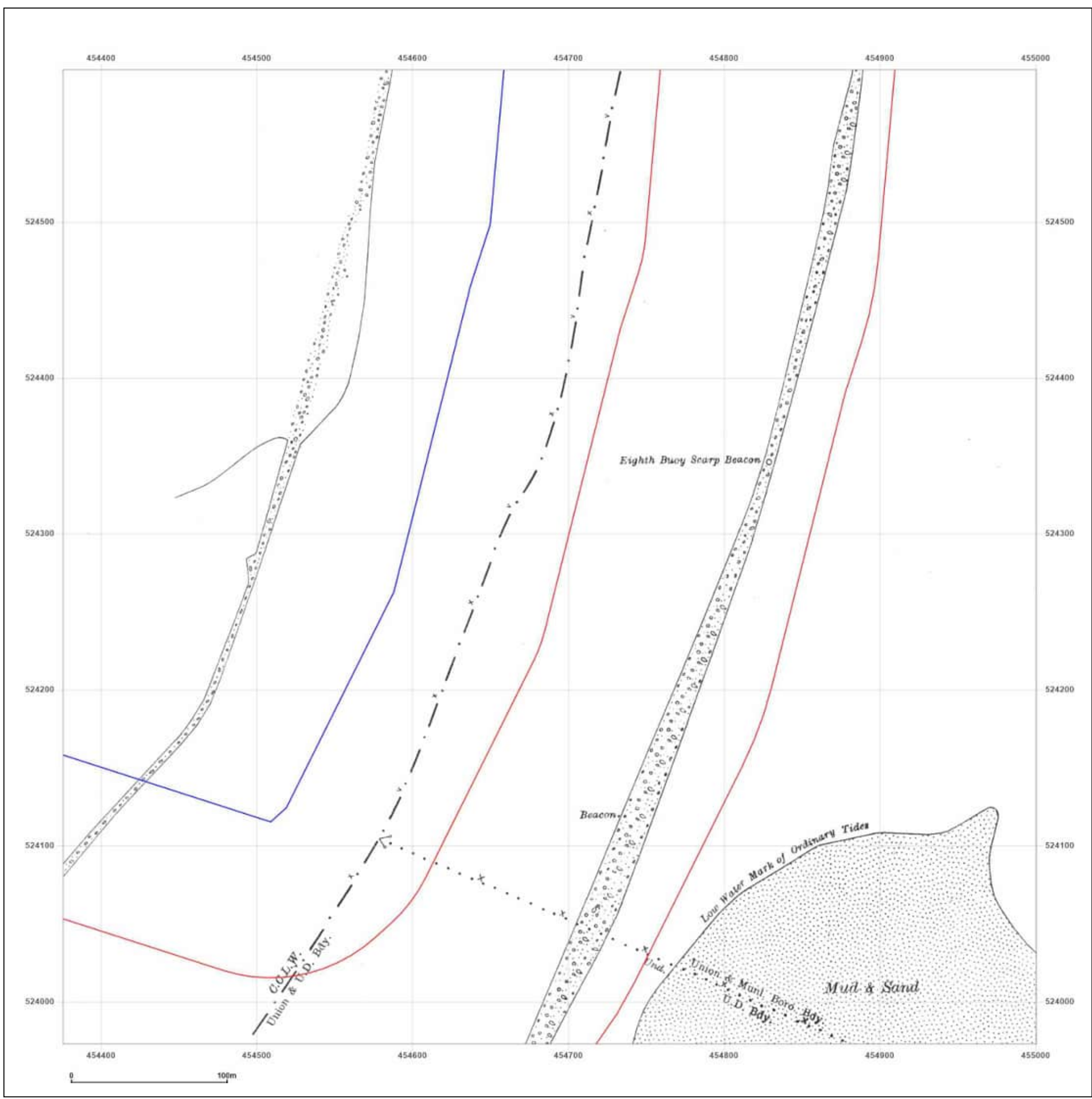


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** County Series

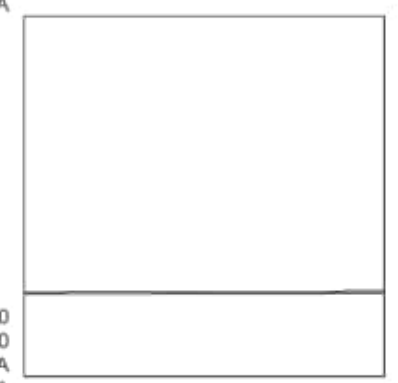
**Map date:** 1939-1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1939  
 Revised 1939  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1940  
 Revised 1940  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

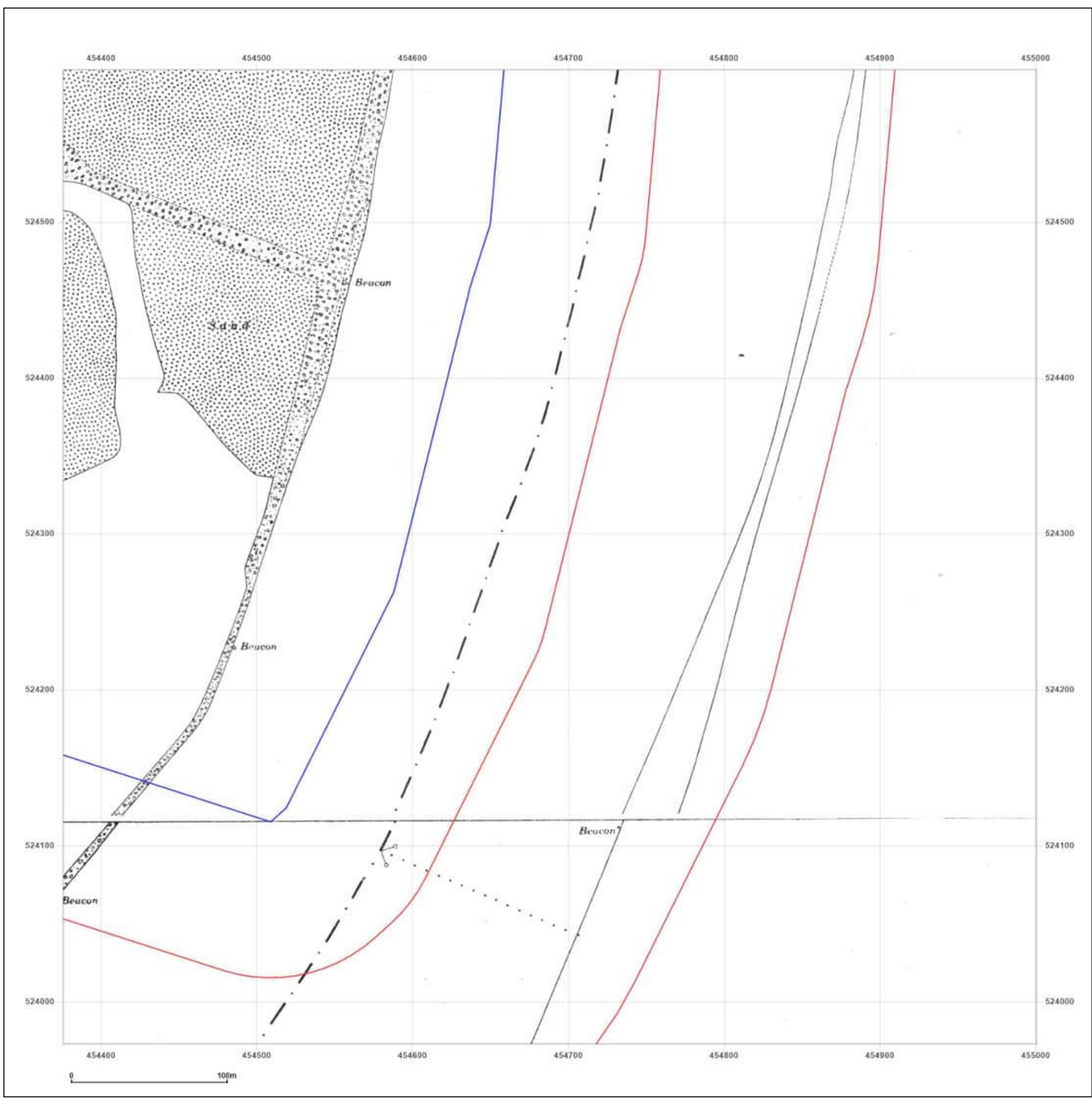


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**Site Details:**

WaveCrest - Teeside

**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** National Grid


**Map date:** 1969

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1969  
 Revised 1969  
 Edition N/A  
 Copyright 1971  
 Levelled 1959



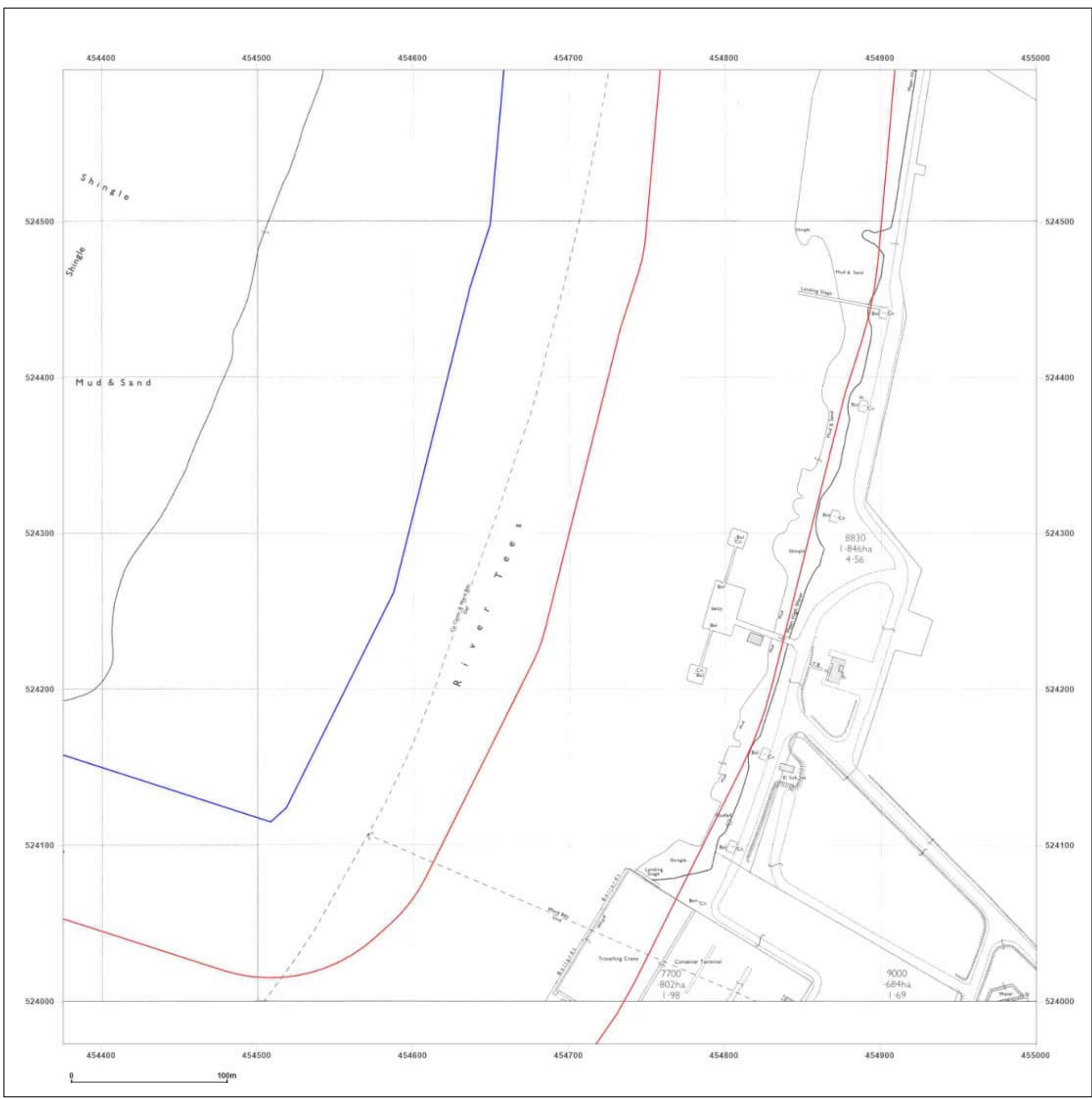


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**Site Details:**

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**Client Ref:** WaveCrest - Teeside  
**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_2  
**Grid Ref:** 454688, 524285

**Map Name:** National Grid

**Map date:** 1971

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

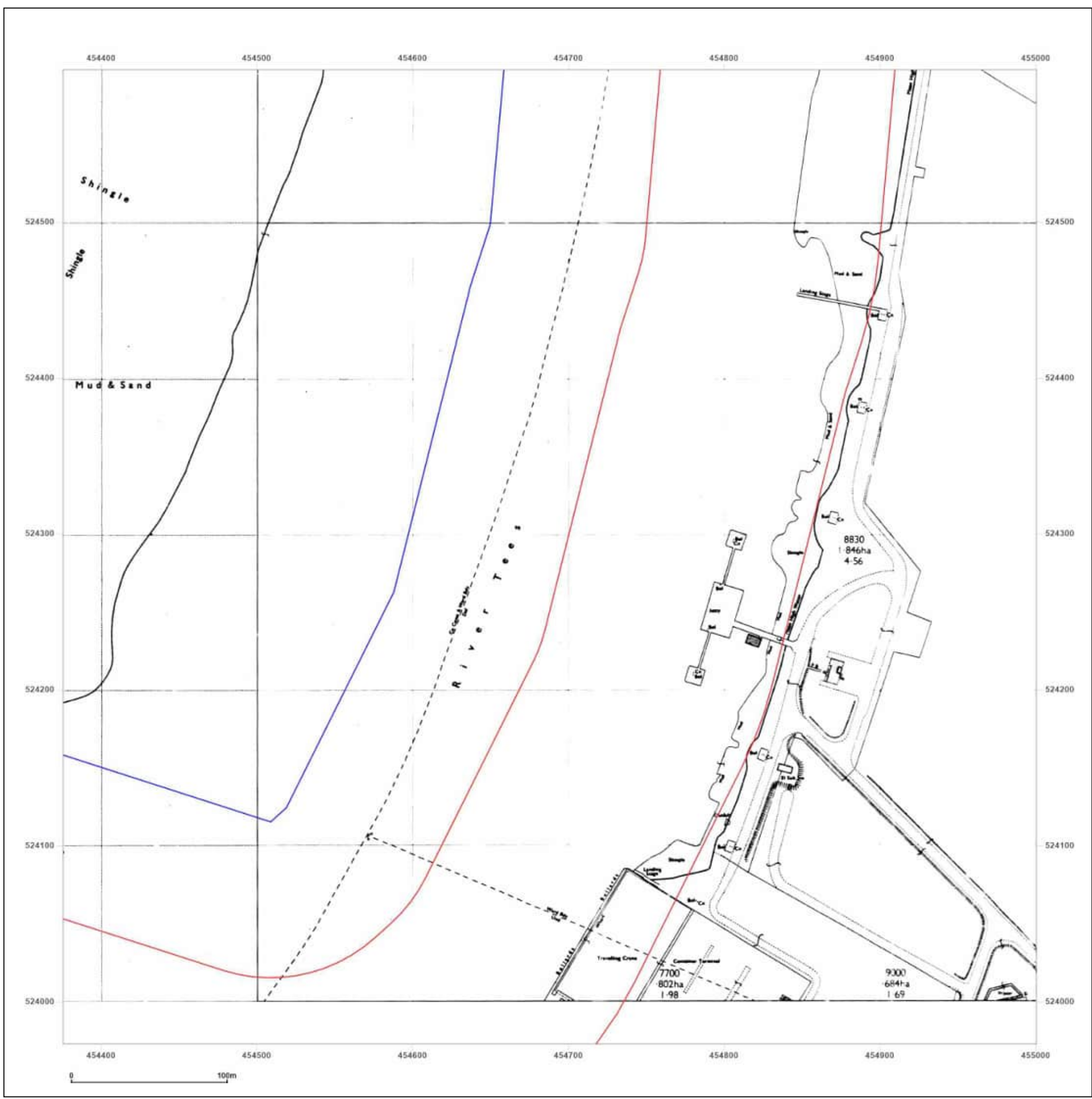


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**Site Details:**

WaveCrest - Teeside

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**Grid Ref:** 454688, 524910

**Map Name:** County Series

**Map date:** 1894

**Scale:** 1:2,500

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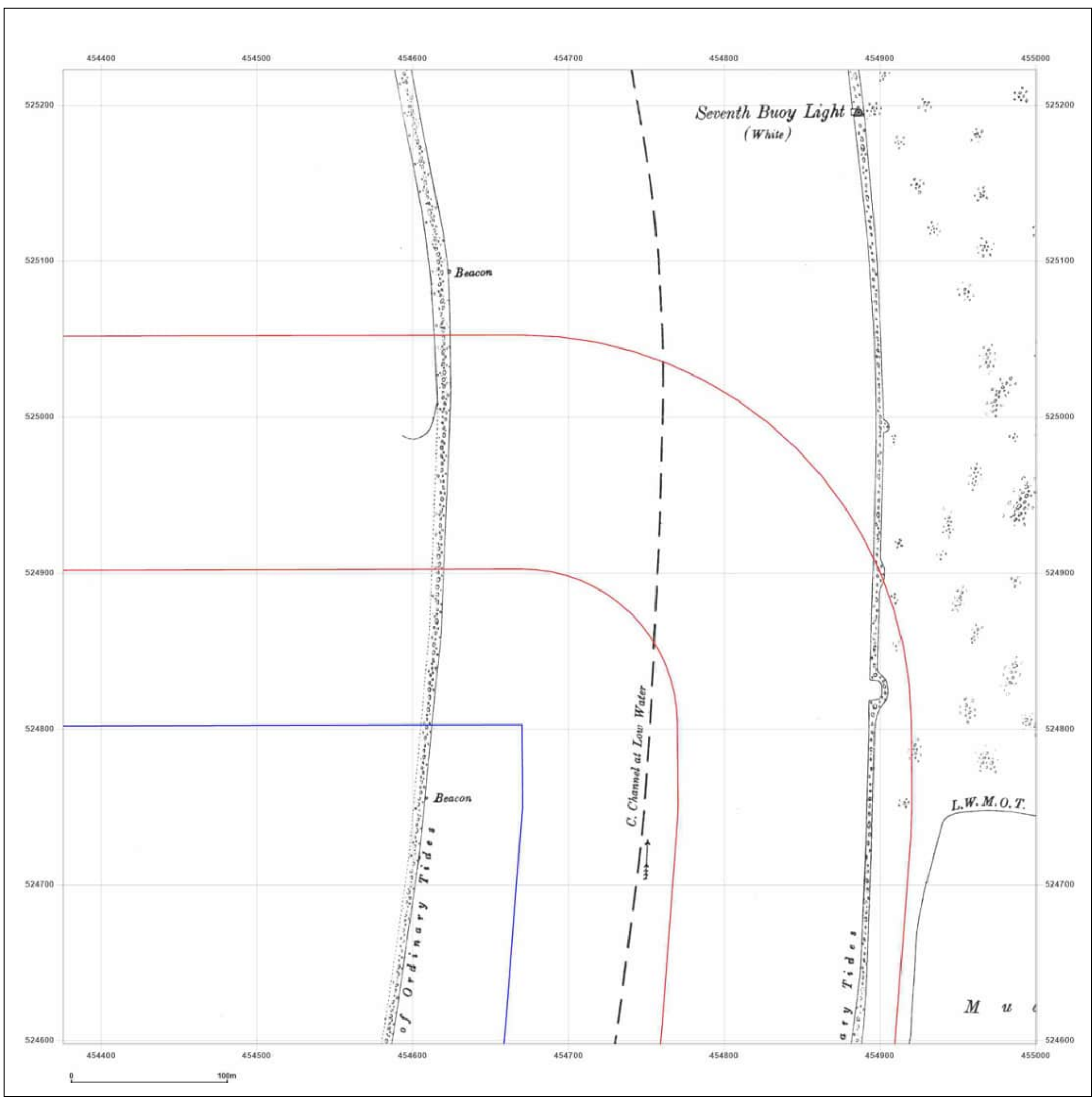


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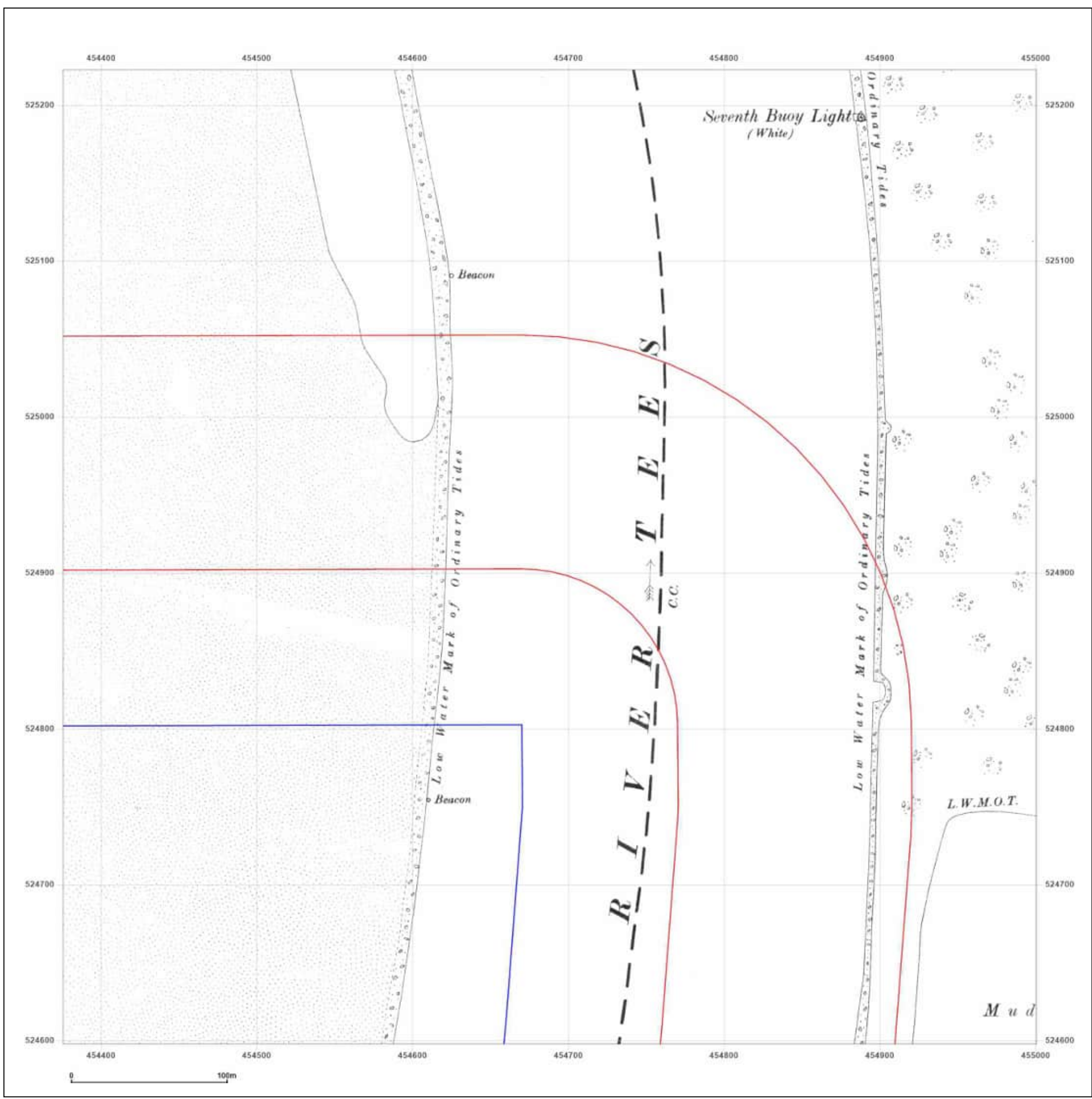


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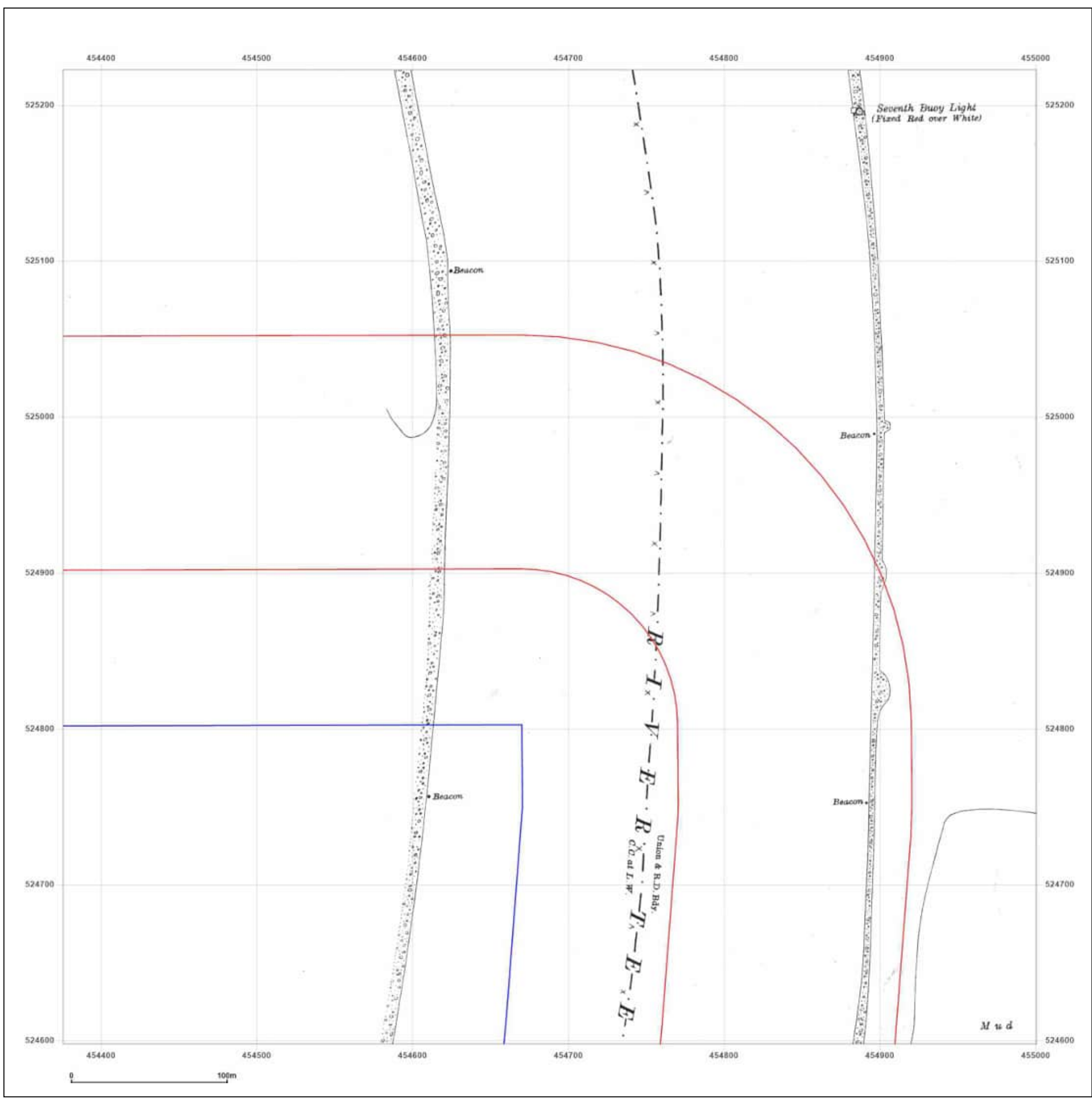


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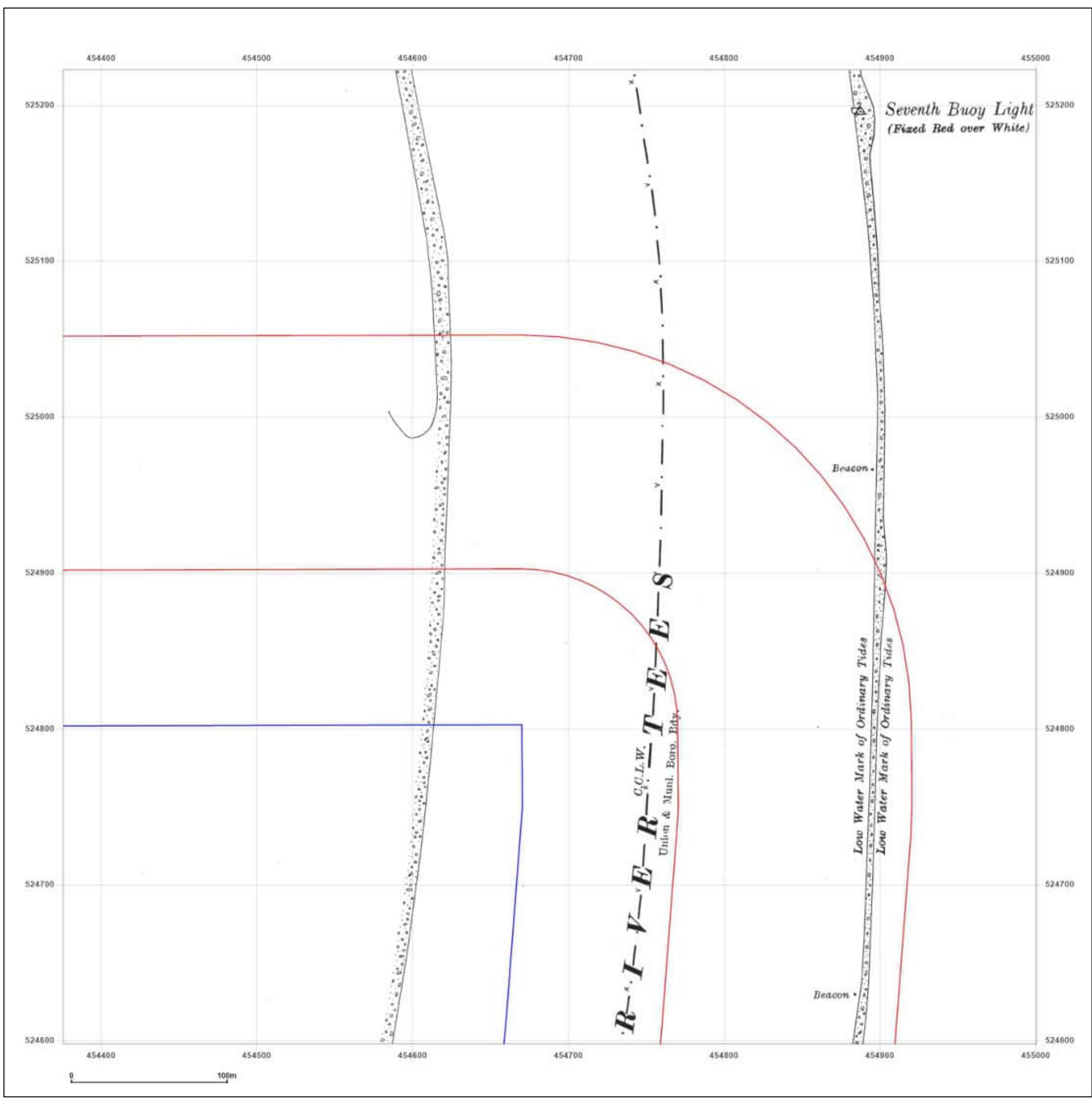


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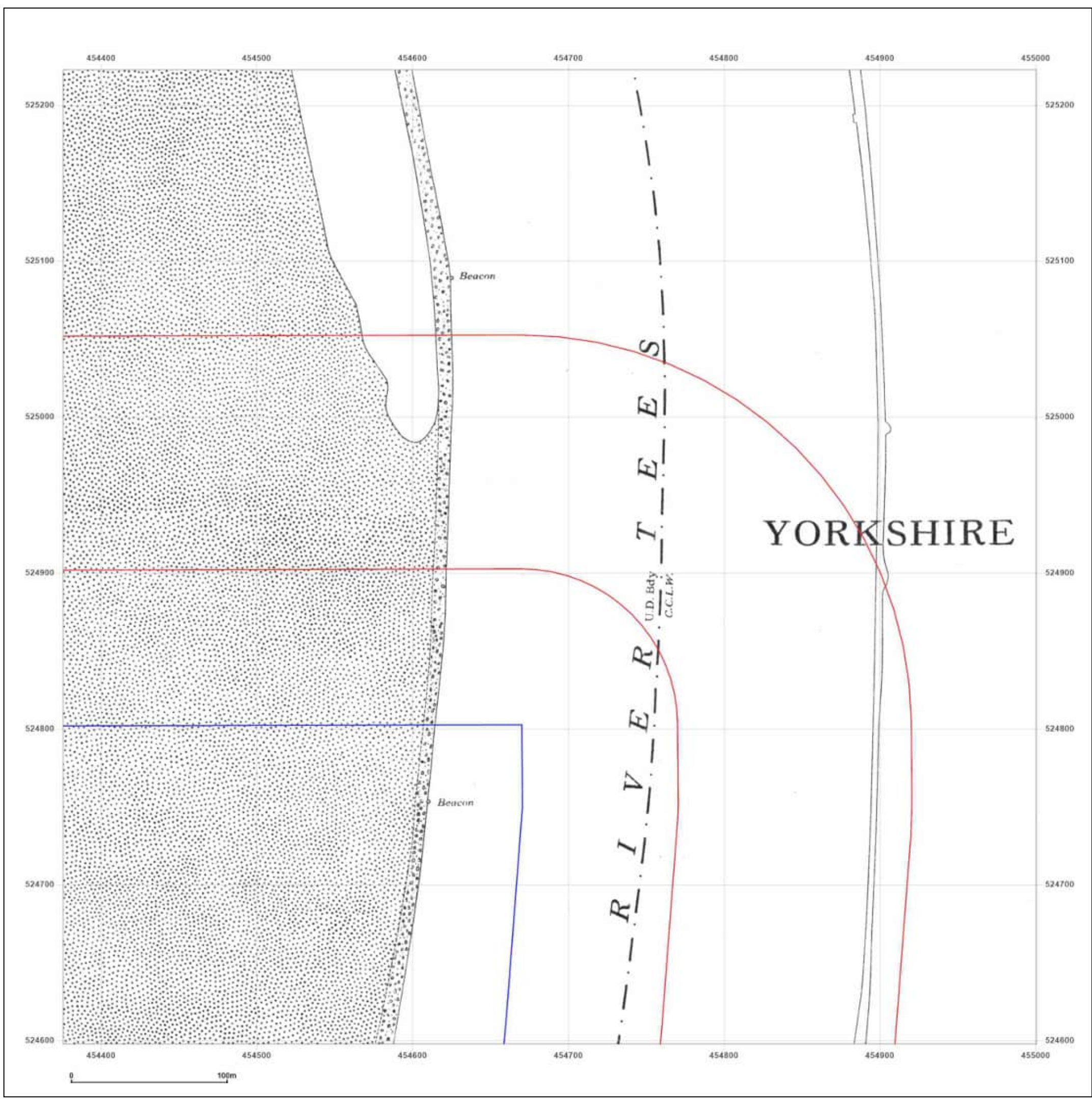


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**Map Name:** National Grid

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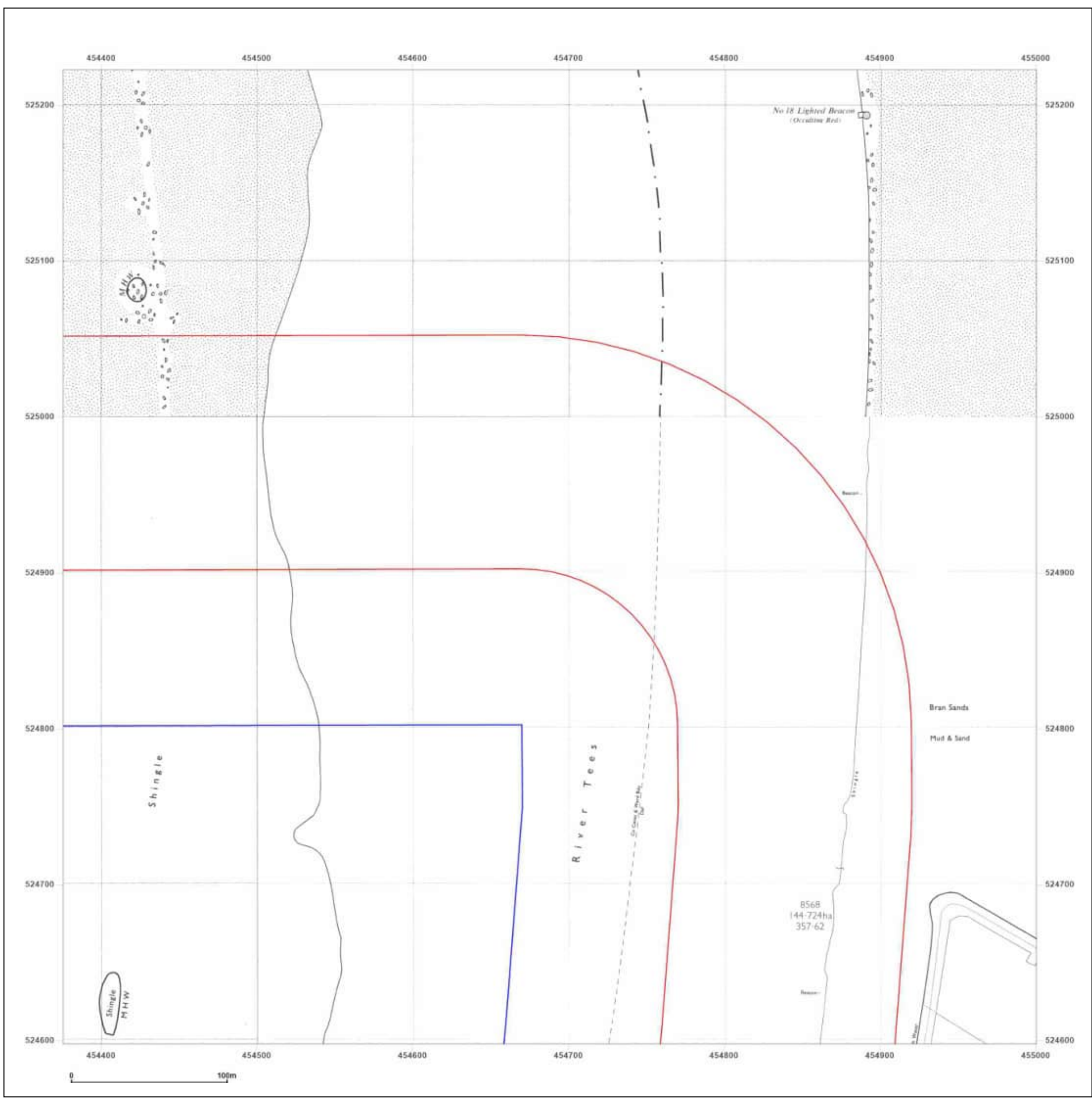


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**Site Details:**

WaveCrest - Teeside

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**Report Ref:** GSIP-2024-14521-17090\_LS\_6\_3  
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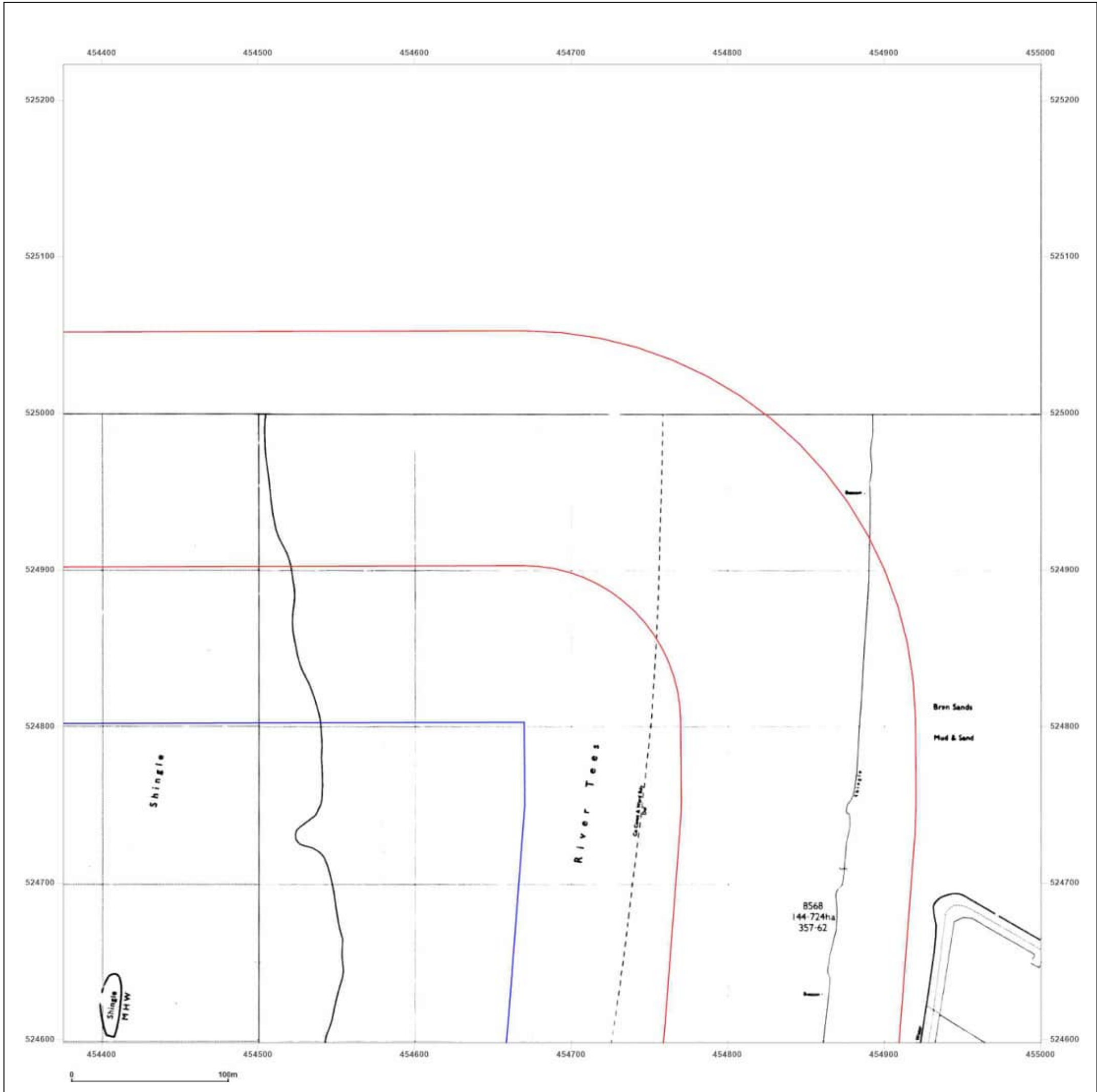
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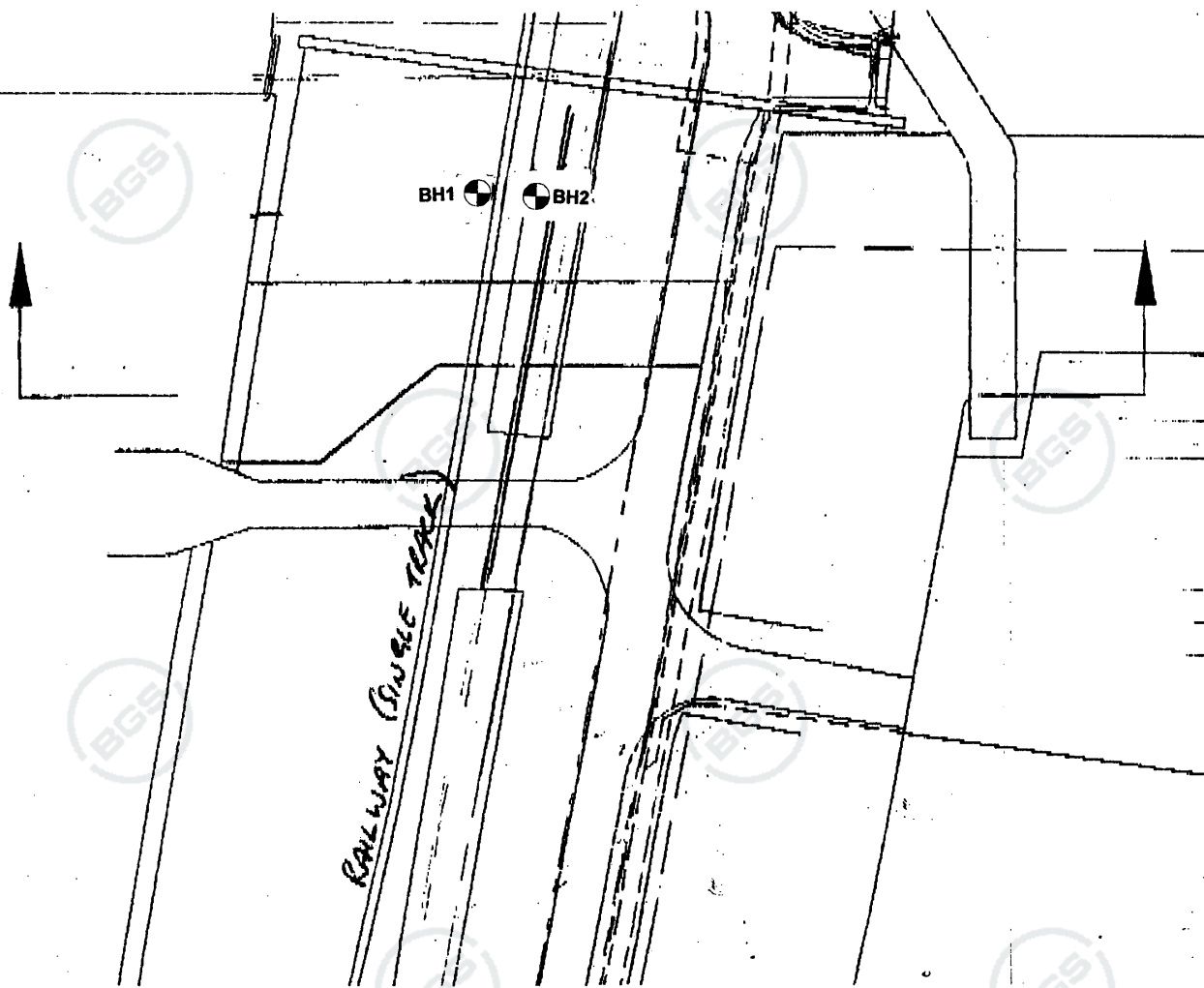
# Annex C

BOREHOLE LOGS





CLIENT GLENDEE ENGINEERING		JOB NO C9983	LOCATION SEAL SANDS CHEMICALS		BOREHOLE NO <b>BH2</b>	
DATE APRIL 1999		SCALE 1 to 50	BORING METHOD DYNAMIC SAMPLING		Sheet: 1	
Drilling & Casing Progress	SAMPLE/TEST		SPT N - value or COHESION	DESCRIPTION	O D LEVEL	LEGEND
	Type & No.	Depth(M)				
				MADE GROUND - Grass overlying a dark brown sandy subsoil.		0.0
				MADE GROUND - Medium brown sand with some fine to coarse gravel and small cobbles.		0.25
				MADE GROUND - Loose to medium dense reddish brown and grey mottled very clayey gravelly sand/sandy gravelly clay with some fragments of shale. Recompacted structureless Marl?		0.50
				MADE GROUND - Loose to medium dense moist, dark reddish brown, occasionally grey, very clayey gravelly sand with numerous shale fragments Recompacted structureless Marl?		3.00
				MADE GROUND - Loose to medium dense moist dark grey/black silty sand with traces of organic? clay/silt. Disturbed/recompacted material?		4.60
				Medium dense to dense light brown slightly silty SAND.		5.50
						6.00
DUNELM DRILLING CO 0191 626 2634 FAX 0191 617 0086				BOREHOLE LOGSHEET		
Water Observations, Remarks, Etc Water ingress noted at 2.00m. Standing level recorded at 2.60m (saturated sand)				Pungent odour noted below 3.00m. Described in situ as a "sweet odour"		







NZ52NW / 145/H  
soil mechanics department

REHOL No. 8  
Continuation Sheet No. 1

S.M.D. 622

CONTRACT Seal Sands, Teesside.

REPORT No. 751/72/MDMcQ/SK

Description	Scale 20mm = 1m.		Samples		Depth m	S.P.T. N
	Depth	Legend	Ref.No.	Type		
Loose and medium-dense grey-brown sand with occasional shell fragments.			6833	J	9.75	
Firm red-brown laminated silty clay with occasional silty laminations. (glacial till).	10.05		6834	U	10.35-10.80	
Stiff red-brown and grey interbedded boulder clays. (glacial till).	10.80		6835	J	10.95	
	11.30					
Firm brown laminated silty clay. (glacial till).			6836	U	11.90-12.35	
			6837	J	12.80	
	14.00					
Loose and medium-dense light brown sand with fine coal fragments. (glacial till).			6838	J	14.65	11
	15.35					
			6839	J	16.15	20
			6840	J	16.45	
Loose and medium-dense brown sand with gravel and occasional cobbles. (glacial till).						
	18.30		6841	U	18.60-19.05	
			6842	J	19.20	
Very stiff red-brown boulder clay with occasional sand pockets. (glacial till).			6843	U	19.80-20.25	
			6844	J	20.40	

SHEET No

Code: U—Undisturbed Sample    D—Large Disturbed Sample    J—Jar Sample    W—Water Sample



NZ52NW | 145 | H

Geological Engineering  
Department

soil mechanics department

REHO No. 8  
Continuation Sheet No. 2

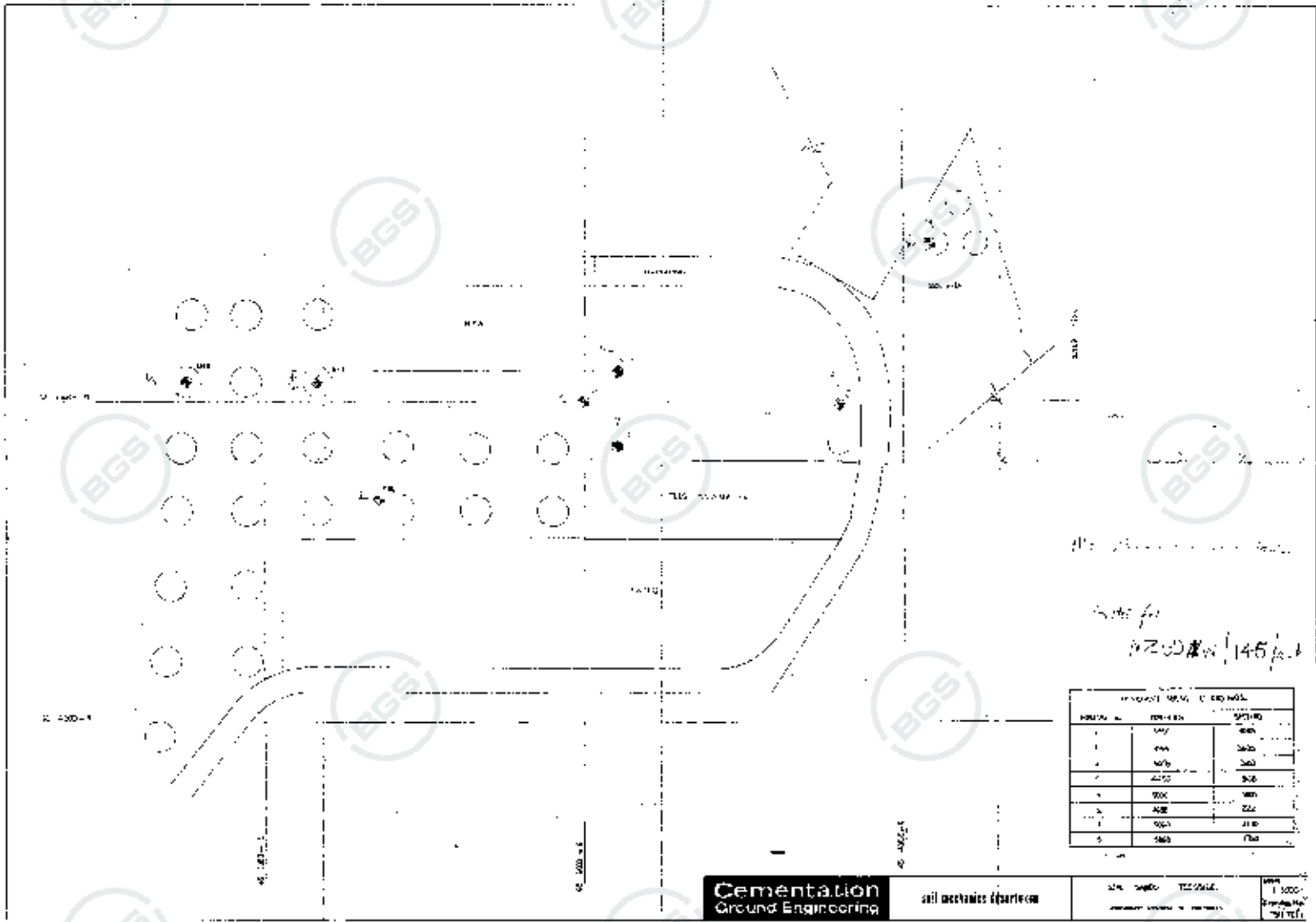
SMD 622

CONTRACT Seal Sands, Teesside. REPORT No. 751/72/MDMc0/SK

Description	Scale 20mm		1m.		Samples		Depth m	S.P.T. N
	Depth	Legend	Ref.No.	Type	Ref.No.	Type		
Very stiff red-brown boulder clay with occasional sand pockets. (glacial till).		○	6845	U			21.35-21.80	
		○	6846	J			21.95	
		○	6847	U			22.85-23.30	
		○	6848	J			23.30	
Stiff red-brown laminated silty clay with occasional stones. (glacial till).	24.40	○						
		○	6849	U			25.30-25.75	
		○	6850	J			25.90	
Stiff red-brown boulder clay with occasional sand pockets and thick bands of medium-dense gravel and brown sand. (glacial till).	26.50	○						
		○	6851	D			27.10	25
		○	6852	J			27.40	
Red-brown siltstone with occasional thin gypsum veins. (Keuper Marl).	28.05	○						
	28.35	○	6853	D			28.30	240+

SHEET No

Code: U—Undisturbed Sample D—Large Disturbed Sample J—Jar Sample W—Water Sample





NZ52SW/238/a

1269

BOREHOLE LOG

BOREHOLE N° \_\_\_\_\_ LOCATION WILTON TIP EXTENSION  
 POSITION SHOWN ON PLAN 69(2)D (THPA) DATE MADE \_\_\_\_\_  
 CARRIED OUT BY DUNELM DRILLING CO. TYPE OF BORING \_\_\_\_\_  
 DIAMETER \_\_\_\_\_ CASING LEAST 11" O.D. A.O.D. \_\_\_\_\_ LINING \_\_\_\_\_

DESCRIPTION OF STRATA	SAMPLE	LAYER	DEPTH G.L.	TEST O.D.	INDEX TESTS			$\gamma_M$	C	$\phi$	Sol. SO <sub>3</sub>	pH	SPT Blows Per Ft.
					M%	L.L.	P.L.						
SILT		XXXX	2'-0"	1'-0"									
SAND		S											
SAND & GRAVEL		S	30'-0"	29-0									
SAND & A LITTLE GRAVEL		S	32'-6"	31-5									
LAMINATED CLAY		U	37'-0"	36-0									
BOULDER CLAY		U	37'-9"	36-75									
LAMINATED CLAY		U	38'-6"	37-5									
RED BOULDER CLAY		U	39'-6"	38-5									
RED & GREY MARL		S	46'-6"	45-5									
		U	51'-6"	50-5									

SCALE: 1" = 10 FT.

NOTES (OBSERVATIONS OF GROUND WATER ETC.)

KEY TO TYPES OF SAMPLES


- U (\*) - 4" DIA UNDISTURBED SAMPLE
- U (1/2) - 1 1/2" DIA " " "
- D - DISTURBED SAMPLE
- B.D. - BULK DISTURBED SAMPLE
- V - VANE TEST
- S - STANDARD PENETRATION TEST
- C - CONE TEST

# Annex D

UXO



## Appendix: Pre-Desk Study Assessment

	
Pre-Desk Study Assessment	
<b>Site:</b>	Seal Sands Industrial Estate, County Durham
<b>Client:</b>	WSP
<b>Contact:</b>	Jessica Devine
<b>Date:</b>	5 <sup>th</sup> February 2024
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>■ Docks, wharves, and warehouses along the River Tees.</li> <li>■ Transport infrastructure and public utilities.</li> <li>■ Industries important to the war effort, including munitions factories, and chemical, engineering, and metal works.</li> <li>■ Royal Naval Air Station (RNAS) Seaton Carew and RNAS Redcar.</li> <li>■ Military camps and training areas.</li> <li>■ Anti-Aircraft (AA) defences.</li> </ul>
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	Seal Sands, on land encompassing the Site, was used as a practice bombing range for aircraft of Royal Air Force (RAF) Coastal Command.
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>■ Docks, wharves, and warehouses along the River Tees.</li> <li>■ Transport infrastructure and public utilities.</li> <li>■ Industries important to the war effort, including munitions factories, and chemical, engineering, and metal works.</li> <li>■ RAF Greatham.</li> <li>■ Military camps and training areas.</li> <li>■ AA and anti-invasion defences.</li> </ul>
WWII Bombing Decoys (within 5km of Site)	1No. Civil QL/QF (C Series) bombing decoy was located at Seal Sands, in the immediate vicinity of the Site. It was designed to deflect bombing from Middlesbrough. It comprised a series of controlled fires lit during an air raid to replicate a target struck by bombs.
WWII Bombing	<p>During WWII the Site was located in the Urban District (UD) of Billingham, which officially recorded 221No. High Explosive (HE) bombs with a bombing density of 28.1 bombs per 405 hectares (ha).</p> <p>Readily available records have been found to indicate that several HE bombs fell in close proximity to the Site.</p>

Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	It is recommended that a detailed desk study is commissioned to assess, and potentially zone, the Unexploded Ordnance (UXO) hazard level on the Site.
Further information	<p>For information about Zetica's detailed UXO desk studies and other UXO services, please visit our website: <a href="http://www.zeticauxo.com">www.zeticauxo.com</a>.</p> <p>Details and downloadable resources covering the most common sources of UXO hazard affecting sites in the UK can be found <a href="#">here</a>.</p> <p>If you have any further queries, please don't hesitate to get in contact with us at <a href="mailto:uxo@zetica.com">uxo@zetica.com</a> or 01993 886 682.</p>

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.

# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

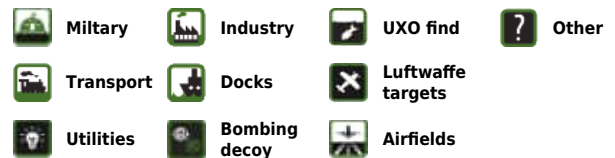
Location: TS2 1UH,  
Map Centre: 453648,524888



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

## LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



### How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

### What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

### If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to [uxo@zetica.com](mailto:uxo@zetica.com).

**You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.**

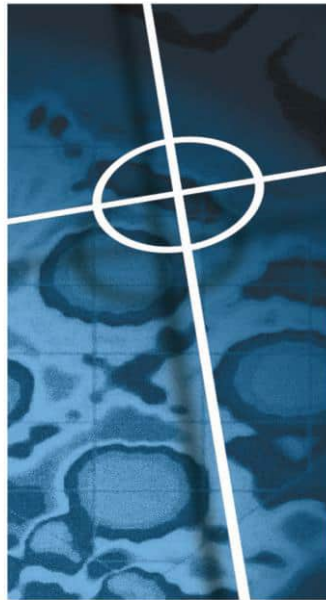
### If I have any questions, who do I contact?

tel: [+44 \(0\) 1993 886682](tel:+44(0)1993886682) email: [uxo@zetica.com](mailto:uxo@zetica.com) web: [www.zeticauxo.com](http://www.zeticauxo.com)

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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<b>Project No.</b>	P4680-14
<b>Project Title</b>	SITESAFE UXO DESK STUDY
<b>Project Location</b>	Tees Estuary
<b>Client</b>	York Potash Limited
<b>Report Ref.</b>	P4680-14-R1-A
<b>Report Date</b>	16 <sup>th</sup> May 2014

Prepared by	Anne Baker
Checked by	Paul Jenkins
Authorised by	Mike Sainsbury



<b>CONTENTS</b>		<b>Page</b>
<b>Executive Summary</b>		
<b>1</b>	<b>INTRODUCTION</b>	<b>8</b>
1.1	Project Outline	
1.2	The Site	
<b>2</b>	<b>SOURCES OF INFORMATION</b>	<b>12</b>
2.1	Zetica Ltd Defence Related Site Records	
2.2	Zetica Ltd Bombing Density Records and Maps	
2.3	Ministry of Defence and Government Records	
2.4	Other Historical Records, Maps and Drawings	
2.5	Local Authority Records	
2.6	Local Record Offices and Libraries	
2.7	Local Historical and Other Groups	
2.8	Historical Information	
<b>3</b>	<b>SITE HISTORY</b>	<b>14</b>
3.1	General History	
3.2	Pre-WWI Military History	
3.3	WWI Military History	
3.4	WWII Military History	
3.5	Post-WWII Military History	
<b>4</b>	<b>WWII BOMBING</b>	<b>23</b>
4.1	WWII Bombing in Teesside	
4.2	WWII Strategic Targets	
4.3	Bombing Density and Incidents	
4.4	Geology and Bomb Penetration Depths	
<b>5</b>	<b>WWII DEFENCES</b>	<b>38</b>
5.1	Bombing Decoys	
5.2	Anti-Aircraft Defences	
5.3	Barrage Balloons and Anti-Landing Obstacles	
5.4	Anti-Invasion Defences	
5.5	Pillboxes, Mortar and Gun Emplacements	
5.1	Home Guard and Auxiliary Units	



5.2	Minefields and Mined Locations	
<b>6</b>	<b>MILITARY AIRFIELDS</b>	<b>48</b>
6.1	RNAS Seaton Carew II	
6.2	RFC Seaton Carew I	
6.3	RAF West Hartlepool (Greatham)	
6.4	Aircraft Crashes	
<b>7</b>	<b>EXPLOSIVES AND MUNITIONS ESTABLISHMENTS AND DEPOTS</b>	<b>50</b>
7.1	Explosives and Ordnance Factories	
7.2	Munitions Stores	
7.3	Informal Munitions Depots	
7.4	Munitions Disposal Areas and Bomb Cemeteries	
<b>8</b>	<b>FIRING RANGES AND MILITARY TRAINING AREAS</b>	<b>52</b>
8.1	Small Arms Ranges	
8.2	Artillery Ranges	
8.3	Bombing Ranges	
8.4	Training Areas	
<b>9</b>	<b>OTHER ESTABLISHMENTS, MILITARY BASES AND BARRACKS</b>	<b>56</b>
9.1	Teesport Submarine Depot	
9.2	South Gare Battery	
9.3	Ground Controlled Interception Radar Station, Seaton Snook	
<b>10</b>	<b>EXPLOSIVE ORDNANCE CLEARANCE ACTIVITIES</b>	<b>58</b>
10.1	Abandoned Bombs	
10.2	EOC Tasks	
<b>11</b>	<b>UXO HAZARD</b>	<b>60</b>
11.1	Anticipated Ordnance Types	
11.2	Effects and Consequences	
<b>12</b>	<b>RISK ASSESSMENT</b>	<b>70</b>
12.1	UXO Hazard Level	
12.2	Risk Management Recommendations	

**Appendices**

Appendix 1	Abbreviations
Appendix 2	Glossary
Appendix 3	Bibliography
Appendix 4	General Notes

**Figures, Plates & Tables**

Figure 1	Site location map
Figure 2	Historical map, 1898
Figure 3	Historical map, 1931
Figure 4	Historical map, 1938
Figure 5	Historical map 1954
Figure 6	Historical map, 1995
Figure 7	Compiled bomb impact map for the vicinity of the Site
Figure 8	Approximate location of WWII bombing range, Seal Sands
Figure 9	UXO hazard zone plan of the Site
Plate 1	Recent aerial photograph of the Site
Plate 2	Aerial photograph, circa 2012
Plate 3	Aerial photograph, 13 <sup>th</sup> November 1946, Redcar Jetty
Plate 4	Aerial photograph, 13 <sup>th</sup> November 1946, Redcar Wharf
Plate 5	Aerial photograph, 28 <sup>th</sup> July 1948, Tees Dock
Plate 6	Aerial photograph, 28 <sup>th</sup> July 1948, Teesport
Plate 7	Aerial photograph, 28 <sup>th</sup> July 1948 showing the HAA gun site K2
Plate 8	Aerial photograph, 1940, showing anti-landing defences
Plate 9	Photograph of a No. 76 SIP grenade
Plate 10	Approximate firing area for South Gare and Pasley Batteries
Plate 11	Plan of proposed bombing range, Seaton Carew, September 1918
Plate 12	Photograph of typical WWII small arms ammunition
Plate 13	Photographs of a typical and an excavated WWII Mills Type 36 hand grenade
Plate 14	Photographs of typical HAA shells and fuze

Plate 15	Photographs of typical fragmentary remains of IBs and a UXIB
Plate 16	Photographs of typical AP ('Butterfly') bombs
Plate 17	Photograph of a variety of UXBs recovered by the Civil Defence during WWII
Plate 18	Photographs of original and recently excavated WWII land mines
Plate 19	Photograph of the 500kg WWII UXB at Bowers Marsh, 8 <sup>th</sup> March 2010
Plate 20	Photograph of exposed UXO at Mappleton, 22 <sup>nd</sup> July 2012
Plate 21	Photograph of WWI bomb, Isle of Sheppey, 2 <sup>nd</sup> August 2012

Table 1	WWI AA gun batteries within 10km of the Site
Table 2	Bombing statistics
Table 3	Estimated average maximum bomb penetration depths
Table 4	Bombing decoys within 10km of the Site
Table 5	WWII HAA gun batteries within 10km of the Site
Table 6	Recorded anti-invasion defences within 1km of the Site
Table 7	Pillboxes within 1km of the Site
Table 8	Risk mitigation for assumed Site activities

## SITESAFE UXO DESK STUDY

### Tees Estuary

#### Executive Summary

Zetica Ltd was commissioned by York Potash Limited to carry out a SiteSafe Unexploded Ordnance (UXO) Desk Study for an area of approximately 193 hectares (ha) in the Tees Estuary (the 'Site').

The aim of this report is to gain a fair and representative view of the UXO hazard for the Site and its immediate surrounding area in accordance with the Construction Industry Research and Information Association (CIRIA) 'Unexploded Ordnance (UXO), a Guide for the Construction Industry'.

There is evidence of High Explosive (HE) bombs falling on parts of the Site during World War Two (WWII), particularly in the vicinity of Teesport. It is considered possible that Unexploded Bombs (UXB) could have fallen undetected into the River Tees in these areas.

Where post-war dredging of the river channel has not been to a depth greater than the maximum estimated average bomb penetration, the UXO hazard level is considered to be moderate.

For the remainder of the Site, where bombing was less significant or post-war dredging has been to greater depths, the UXO hazard level is considered to be low.

The UXO hazard level can be zoned from low to moderate, as shown in the accompanying figure, reproduced as Figure 9 in the main report.

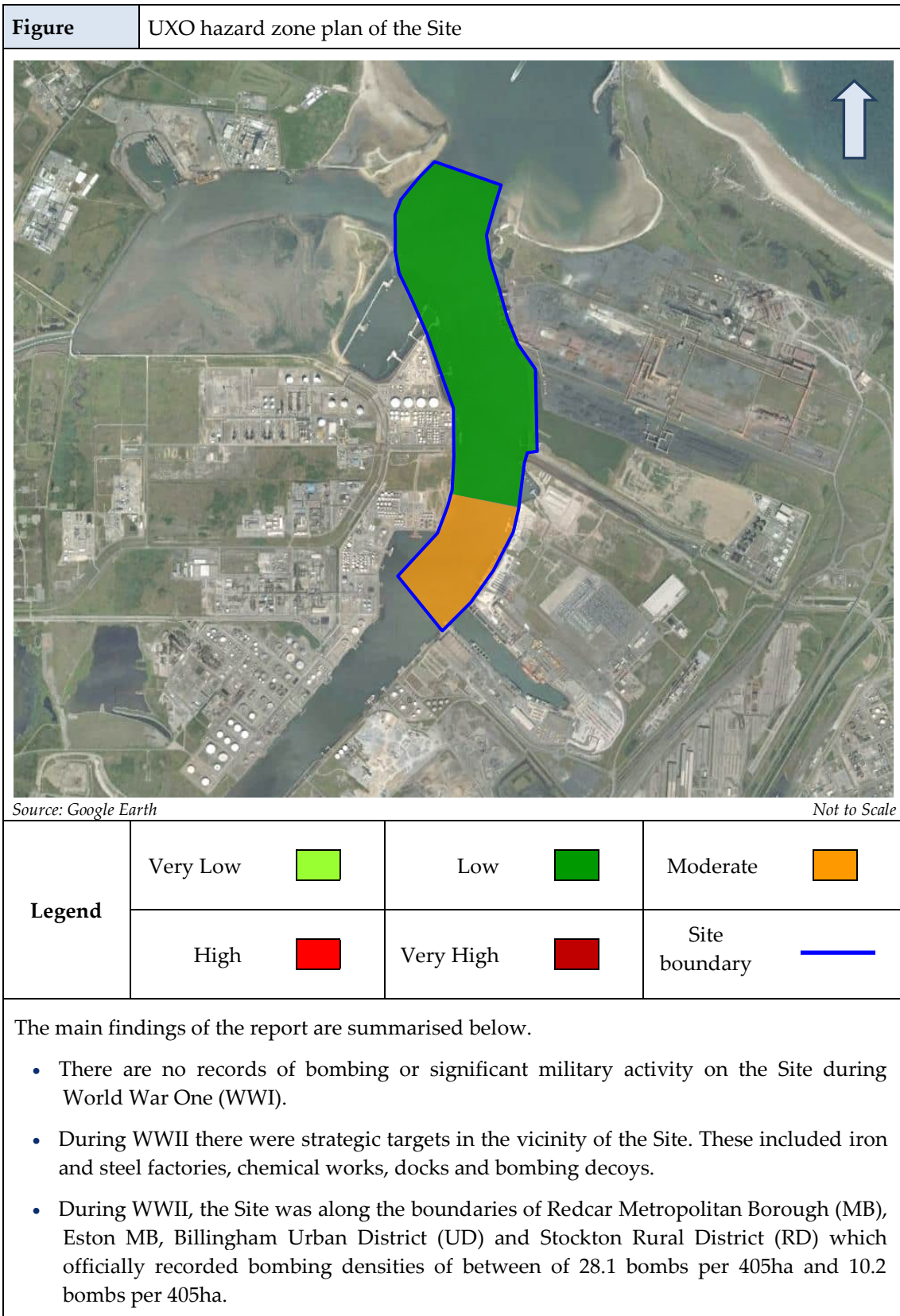
It is considered prudent to ensure that all staff have an awareness of the UXO hazard through the Site induction process. This will ensure that appropriate action is taken in the event that a suspect item is uncovered.

For excavations in the moderate UXO hazard level areas, non-intrusive investigation methods, if practical, and Explosive Ordnance Clearance (EOC) Operative supervision is considered prudent. Clearance certification for borehole or pile locations is considered essential, where practicable, if required.

In areas with a low UXO hazard level, clearance certification for borehole or pile locations is considered prudent only if a zero tolerance to risk is adopted. Zero tolerance is commonly adopted for sites that have safety critical infrastructure, such as nuclear establishments and oil refineries.

Other risk mitigation will depend on the detail and nature of any planned works and the client's risk tolerance. Table 8 in the main report gives recommended actions in relation to the potential UXO hazard level and the anticipated Site activity.

Further advice on the mitigation methods can be provided by Zetica on request.



- There is evidence that parts of the Site were bombed, particularly in the vicinity of Teesport.
- For the geology of the Site, estimated average maximum bomb penetration depths vary between 3.5 metres (m) and 8.0m, depending on the underlying strata and weight of the bomb.

# SITESAFE UXO DESK STUDY

## Tees Estuary

**Note:** To aid the reader of this report, Zetica has colour coded each paragraph. Paragraphs with black text on a white background are paragraphs that provide site-specific information or information specifically researched as part of this project.

Paragraphs in a dark blue text with a grey background are paragraphs containing background information or explanations which may appear as standard text in all similar reports.

### 1 INTRODUCTION

#### 1.1 Project Outline

Zetica Ltd was commissioned by York Potash Limited to carry out a SiteSafe Unexploded Ordnance (UXO) Desk Study for an area of approximately 193 hectares (ha) in the Tees Estuary, (the 'Site').

The aim of this report is to gain a fair and representative view of the UXO hazard for the Site and its immediate surrounding area in accordance with the Construction Industry Research and Information Association (CIRIA) 'Unexploded Ordnance (UXO), a Guide for the Construction Industry'. This hazard assessment includes:

- Likelihood of ordnance being present.
- Type of ordnance (size, filling, fuze mechanisms).
- Quantity of ordnance.
- Potential for live ordnance (UXO).
- Probable location.
- Ordnance condition.

It is essential to note that the effects of military activity will often extend beyond the source of the activity. For example, a base for armed forces may use surrounding areas of open land outside the official or recorded military boundaries for practice and military related activities.

In addition, World War One (WWI) and World War Two (WWII) aerial bombardment was not discrete. 'Pinpoint' targeting did not exist in WWI or WWII. The effects of bombardment would be apparent in areas around the intended target.

It is for these reasons that it is important to address military activity both on the Site and in the relevant surrounding areas.

It should be noted that some military activity providing a source of UXO hazard may not be readily identifiable and therefore there cannot be any guarantee that all UXO hazards on the Site have been identified in this report.

## 1.2 The Site

The Site is centred on Ordnance Survey National Grid Reference (OSNGR) NZ 545255 approximately 3.5km north-northeast of Grangetown, in the Borough of Redcar & Cleveland and 8.5 kilometres (km) east of Billingham, in the Borough of Stockton-on-Tees. The River Tees forms the boundary between the counties of North Yorkshire and Durham.

The Site comprises a stretch of the River Tees approximately 3km in length and 0.5km in width between Teesport and North Gare Sands.

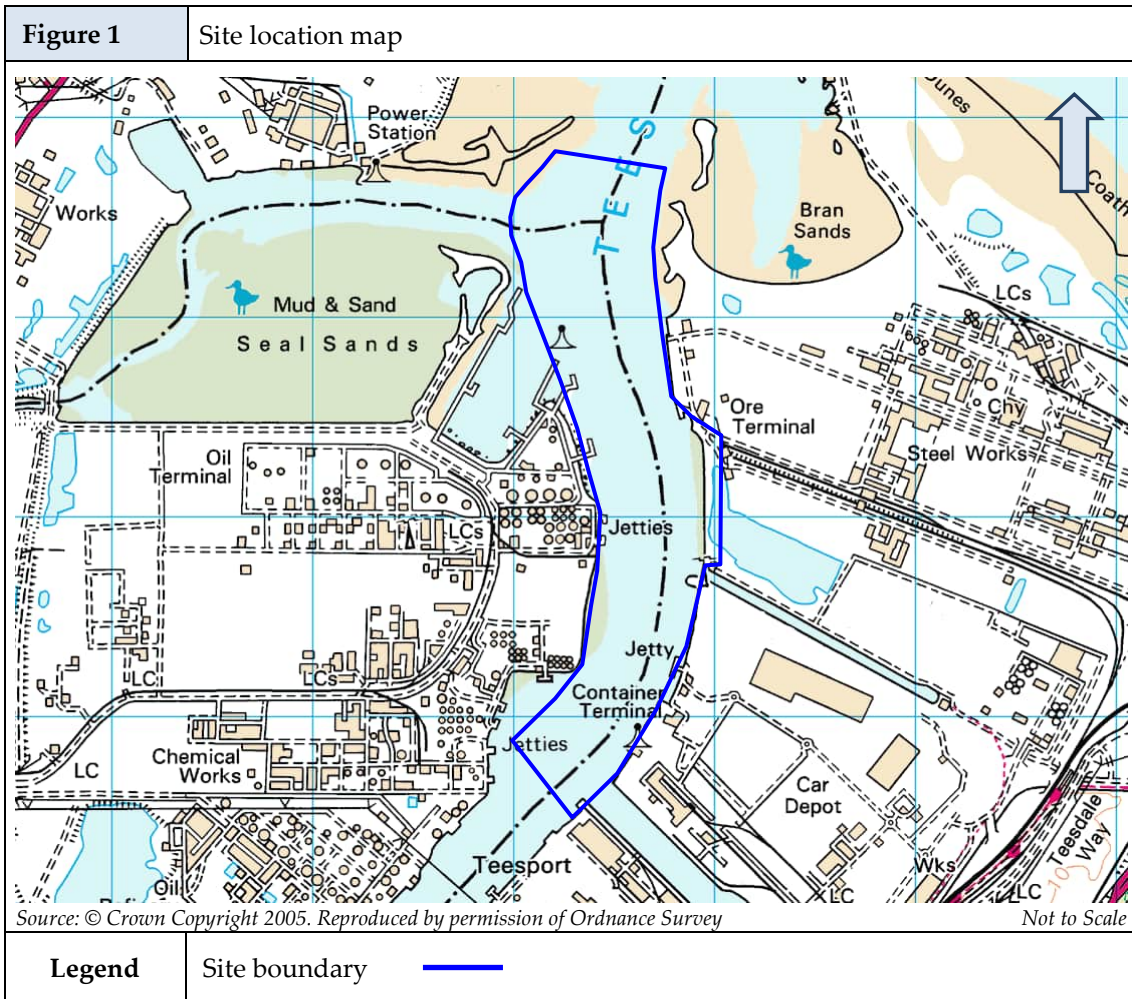
The majority of the Site is bounded by wharves, jetties and industrial facilities situated on either side of the River Tees. At its northern end the Site is bounded by North Gare Sands to the northwest and Bran Sands to the southeast. The open water of Tees Mouth forms the northern boundary to the Site.

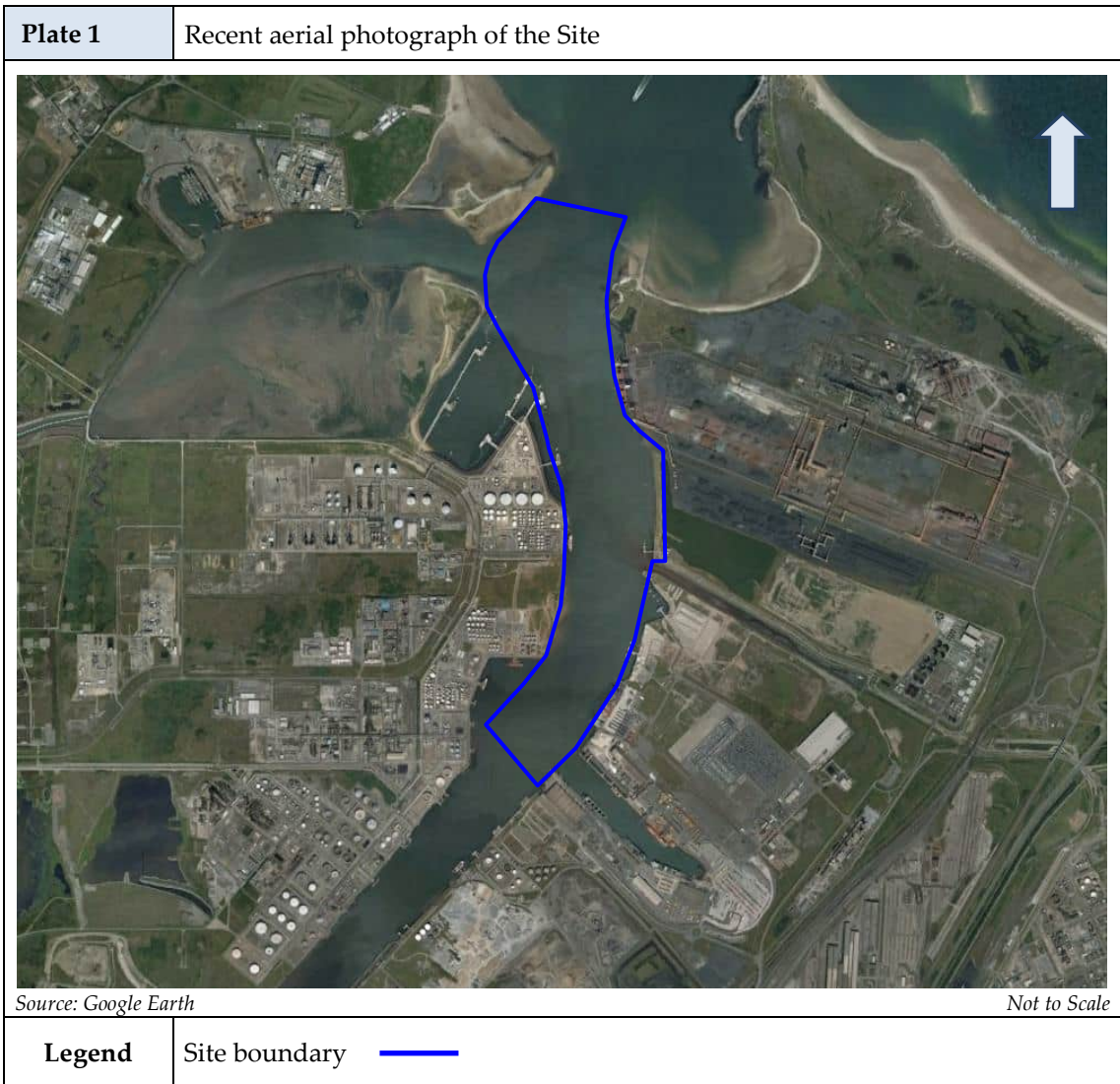
It is understood that planned works on the Site may include intrusive ground investigations, excavations, dredging and piling.

During WWII the Site was situated on the boundary of Redcar Municipal Borough (MB), Billingham Urban District (UD) and Stockton Rural District (RD).

Figure 1 is a Site location map and Plate 1 is a recent aerial photograph of the Site.







<b>2 SOURCES OF INFORMATION</b>
Zetica Ltd researched the military history of the Site and its surrounding area utilising a range of information sources. The main sources of information are detailed in the following sections and referenced at the end of this report.
<b>2.1 Zetica Ltd Defence Related Site Records</b>
Zetica Ltd’s in-house records were consulted, including reference books and archived materials from past work in the region. Relevant documents have been cited within the bibliography of this report.
<b>2.2 Zetica Ltd Bombing Density Records and Maps</b>
Reference has been made to the Zetica Ltd bomb risk maps located on Zetica Ltd’s website ( <a href="http://www.zetica.com/uxb_downloads.htm">http://www.zetica.com/uxb_downloads.htm</a> ).
<b>2.3 Ministry of Defence and Government Records</b>
Various government departments and units within the Ministry of Defence (MoD) were approached for information of past and present military activity in the area. These included the Department of Communities and Local Government (DCLG) records of abandoned bombs.
<b>2.4 Other Historical Records, Maps and Drawings</b>
Numerous reference documents including historical maps, aerial photographs and drawings have been consulted from sources such as the National Archives, English Heritage and the Defence of Britain Project.  The British Geological Survey (BGS) was consulted for borehole information.
<b>2.5 Local Authority Records</b>
Redcar & Cleveland Borough Council and Stockton-on-Tees Borough Council were consulted for relevant information.
<b>2.6 Local Record Offices and Libraries</b>
Information has been sought from North Yorkshire County Record Office, Durham County Record Office and Teesside Archives.
<b>2.7 Local Historical and Other Groups</b>
Local history groups and archaeological bodies were consulted.

## 2.8 Historical Information

With most locations, the potential presence of UXO as a result of enemy action, unauthorised disposal or unrecorded military activity can never be totally discounted.

Detailed records of military activity are rarely released into the public domain. Even when military information is made public there may be gaps in the records because files have been lost or destroyed.

Records for periods such as WWII are only as detailed and accurate as the resources and working conditions would allow at the time. Densely populated areas tend to have a greater number of records than rural areas. Such records may be inaccurate due to the confusion surrounding continuous air raids.

Press records can supplement local information, although this source of information must be treated with caution, as inaccuracies do exist, either inadvertently or intentionally in order to confuse enemy intelligence. Classified official records can sometimes be considered inaccurate for the same reason.

Recent research indicates that England alone had 17,434No. recorded defence sites, of which 12,464No. were classified as defensive anti-invasion sites. The precise locations of many of these sites are still to be identified, illustrating the scale of the problem when establishing potential risks from limited historical data.

### 3 SITE HISTORY

#### 3.1 General History

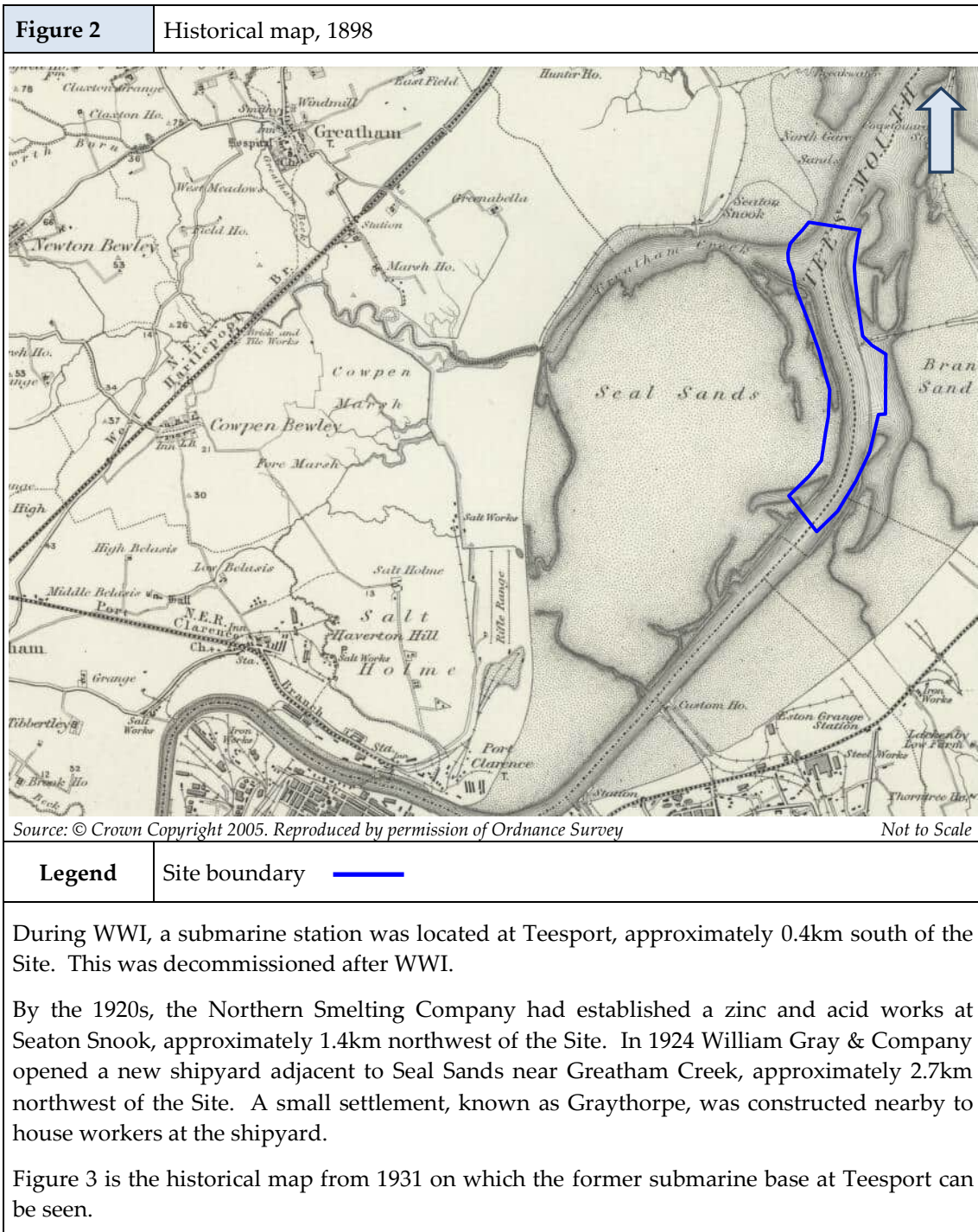
In the mid-19<sup>th</sup> century 2No. breakwaters, North Gare and South Gare, were constructed from blast furnace slag at the mouth of the River Tees, approximately 1.8km northeast and northwest of the Site.

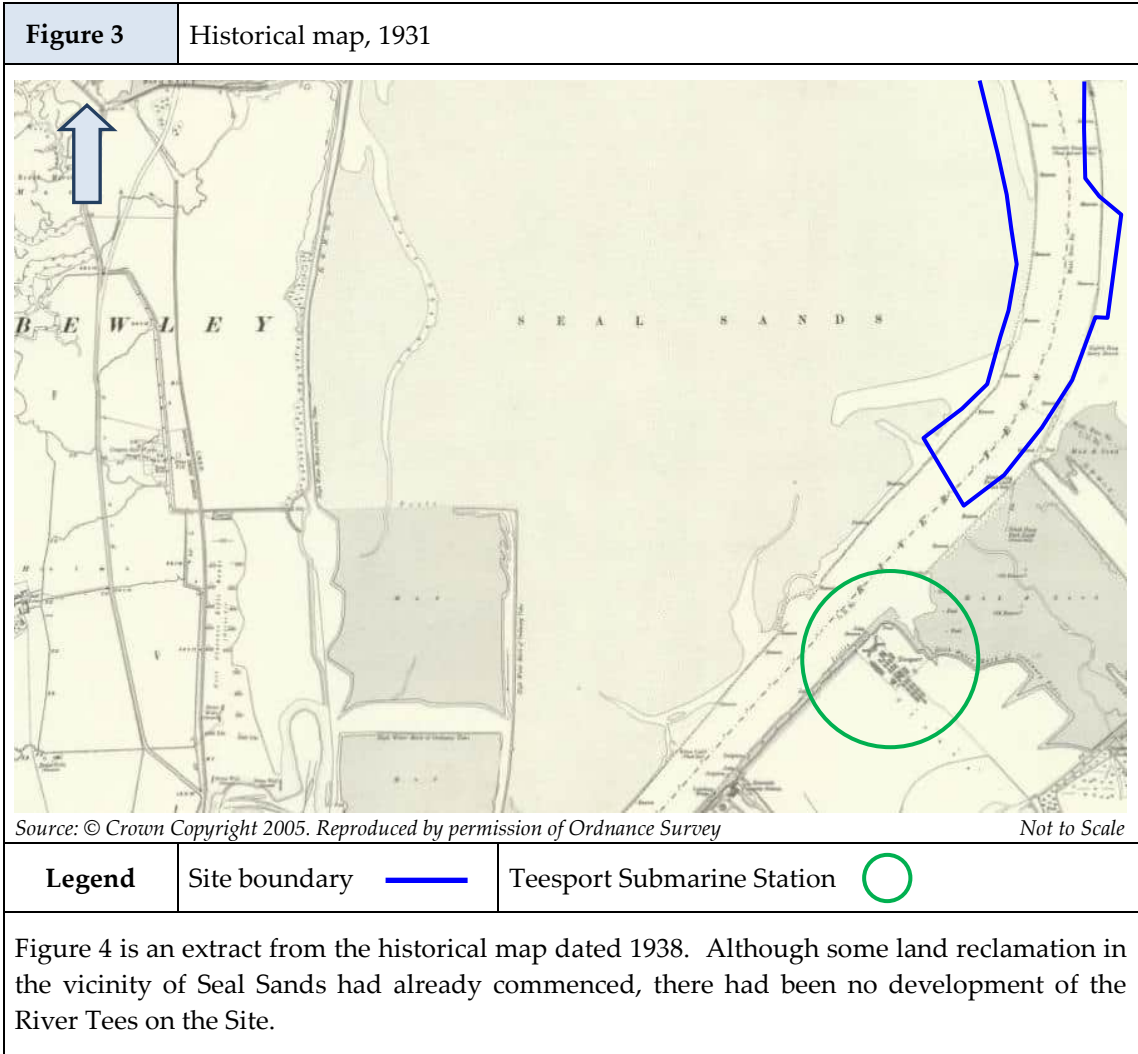
In the 1870s, the Redcar Iron & Steelworks had opened approximately 1km east of the Site at Tod Point, with a railway line connecting the works to the River Tees via Redcar Jetty, adjacent to the Site. More iron and steel works were located further upstream at Grangetown, South Bank and Middlesbrough, between approximately 2.3km south and 6km southwest of the Site. These were served by several small railway tracks.

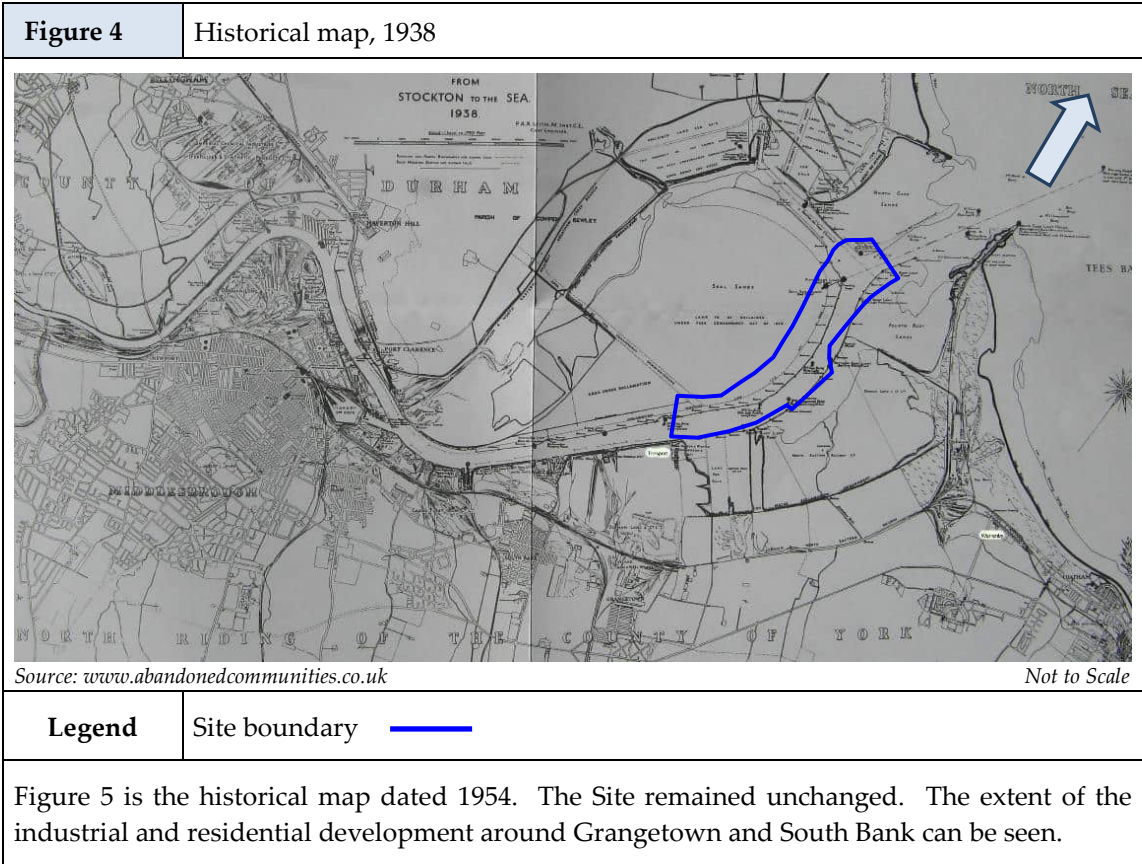
Branch lines of the North Eastern Railway (NER) were situated in the area surrounding the Site. These included the Redcar Branch, approximately 1.9km southeast of the Site, and the Hartlepool Branch, approximately 3.7km northwest of the Site.

At the end of the 19<sup>th</sup> century (Figure 2) the stretch of the River Tees between Middlesbrough and Tees Mouth, and the tidal mud flats of Seal Sands to the west and Bran Sands to the east, remained largely undeveloped.

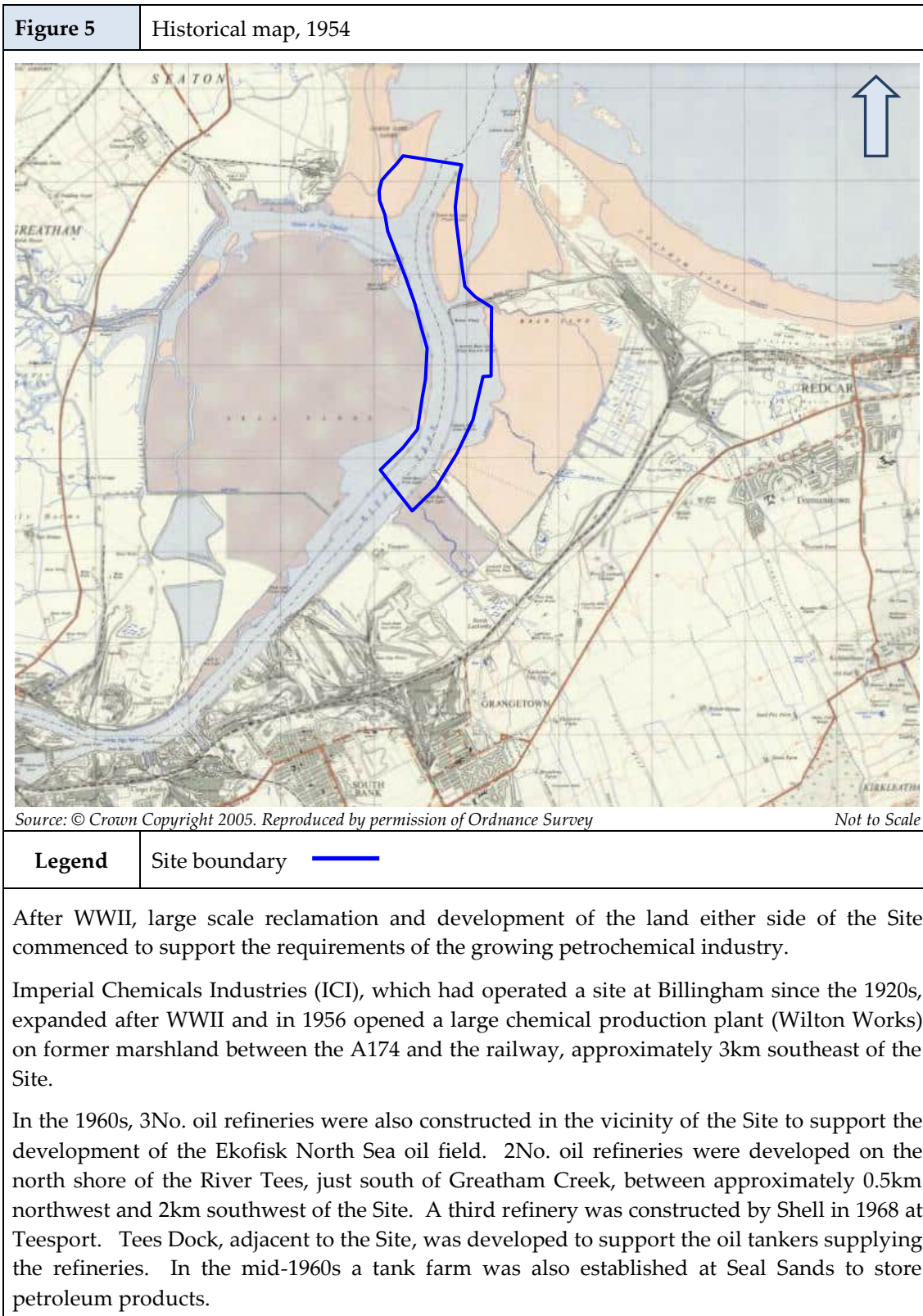
1No. rifle range was located adjacent to Seal Sands, approximately 2.7km west-northwest of the Site.











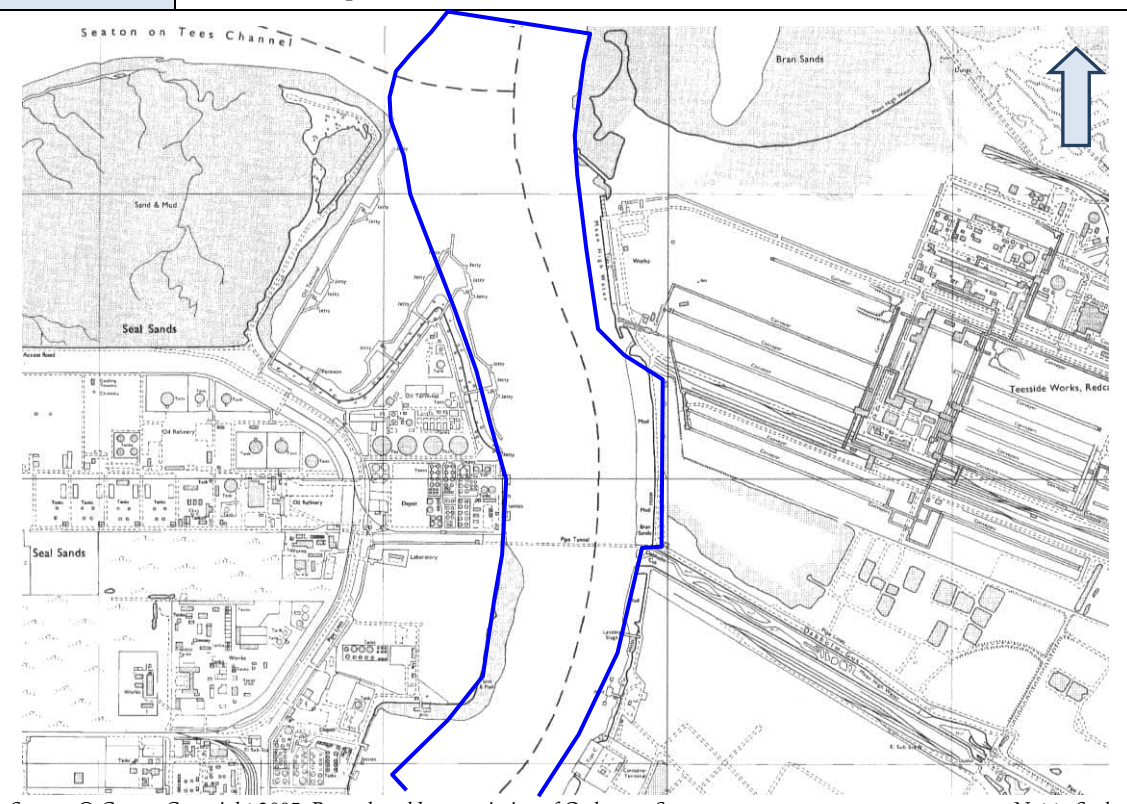
From 1967, the River Tees was managed by the Tees & Hartlepool Port Authority which was responsible for dredging the river to accommodate vessels of up to 80,000 tons.

Following the discovery of North Sea gas in 1980, a 350km long pipeline was constructed between the Ekofisk oil field and a gas extraction plant at Seal Sands.

In 1989 the Shell refinery on the south side of the River Tees closed and in 1992 the operation of Teesport was privatised.

Figure 6 shows the extent of the port facilities in 1995, which by this time included container handling facilities.

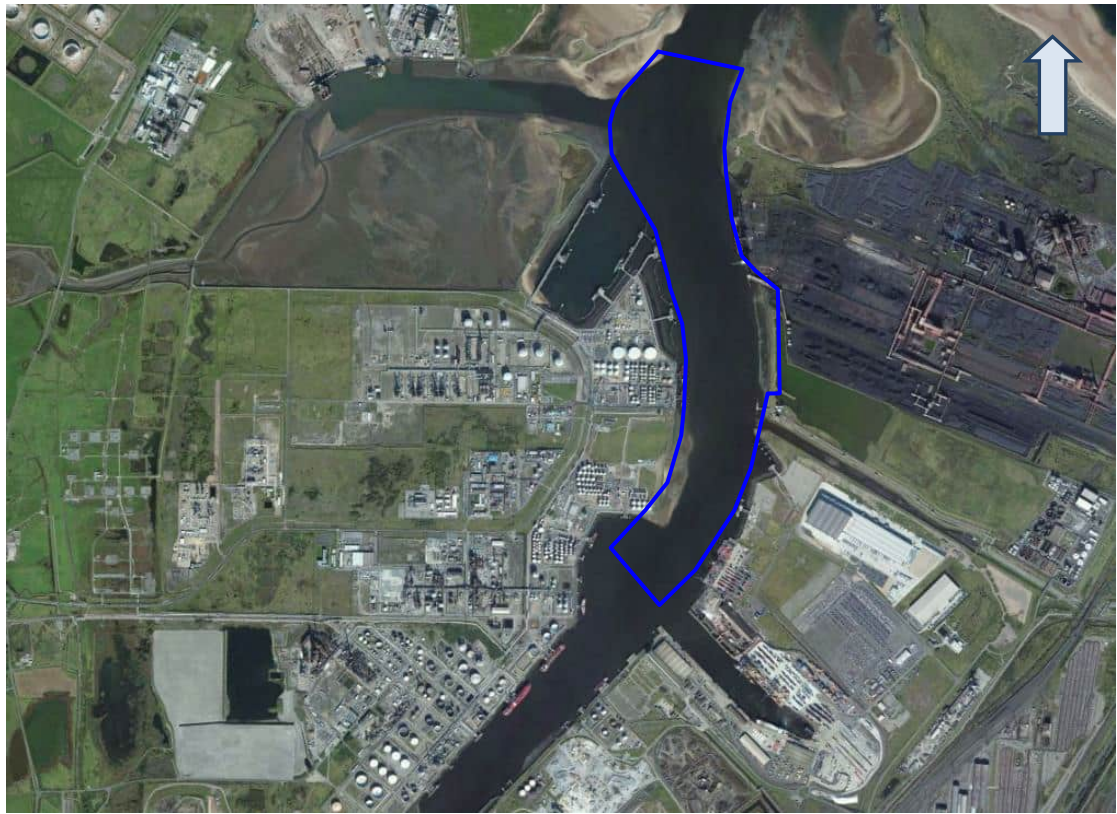

**Figure 6** | Historical map, 1995



Source: © Crown Copyright 2005. Reproduced by permission of Ordnance Survey | Not to Scale

<b>Legend</b>	Site boundary 
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Plate 2 is a photograph of the industrial facilities in the vicinity of the Site in 2012.

<b>Plate 2</b>	Aerial photograph, circa 2012
 <p>The image is an aerial photograph showing an industrial facility. A blue line outlines a specific area within the facility, likely the site boundary. A white arrow in the top right corner points upwards, indicating North. The facility includes various buildings, storage tanks, and a large body of water or canal. The surrounding area shows green fields and other industrial structures.</p>	
<p>Source: Bing Maps <span style="float: right;">Not to Scale</span></p>	
<b>Legend</b>	Site boundary 
<p><b>3.2 Pre-WWI Military History</b></p>	
<p>South Gare battery, approximately 2km northeast of the Site was constructed in the 19<sup>th</sup> century. A submarine mine loading complex was also established there around 1880.</p> <p>Additional pre-WWI coastal defences in the area included Pasley Battery near Redcar, approximately 3.3km east of the Site.</p> <p>No significant pre-WWI military activity has been identified on or in close proximity to the Site.</p>	

### 3.3 WWI Military History

During WWI, the iron and steel factories based on Teesside supplied materials for the construction of munitions, warships and other military vehicles.

There were also several military installations in the vicinity of the Site, including a Royal Navy (RN) submarine depot at Teesport, just south of the Site, a WWI bombing range at North Gare Sands, approximately 2km north of the Site, a Royal Flying Corps (RFC) airfield at Seaton Carew, approximately 3.8km north-northwest of the Site and a Royal Naval Air Service (RNAS) Seaplane base, also at Seaton Carew.

During WWI an estimated 9,000No. German bombs were dropped over Britain during WWI. It was the first time that strategic aerial bombing had been used. There were several raids over north-east England.

Middlesbrough, approximately 5.5km southwest of the Site, and Hartlepool, approximately 7km northwest of the Site, were both bombed during 2No. raids on the 27<sup>th</sup> November 1917 and the 13<sup>th</sup> March 1918.

There are no records of any bombs falling on the Site.

In response to the air raids in the region, Anti-Aircraft (AA) guns were established in the vicinity of the Site. These AA guns were potential sources of Unexploded AA (UXAA) shells which could land up to 13km from the firing point, although more typically fell within 10km during WWI.

Table 1 is a list of the approximate positions of WWI AA guns within 10km of the Site.

<b>Table 1</b>		WWI AA gun batteries within 10km of the Site	
<b>OSNGR</b>	<b>Location</b>	<b>Armament</b>	<b>Approximate Distance and Direction from the Site</b>
NZ 550261	Tees Mouth	1No. 3" gun	0.3km E
NZ 532292	Seaton Carew	1No. 3" gun	3km NE
NZ 505216	Port Clarence	1No. 3" gun	4km SW
NZ 598244	Redcar	18-pounder (pdr) gun	5km E
NZ 556189	Eston	1No. 3" gun	5.1km S
NZ 52 31	Hartlepool	1No. 3" gun	5.3km NW

Additional air defences in the region included a WWI sound mirror located at Redcar at the corner of Greenstones Road and Holyhead Drive, approximately 7km southeast of the Site.

WWI military activity is not considered to provide a source of UXO hazard to the Site, with the possible, albeit unlikely, exception of undiscovered UXAA shells.

### **3.4 WWII Military History**

The region surrounding the Site housed several important strategic targets during WWII. Details of air raids in the vicinity of the Site are provided in Section 4.

Defensive and offensive military structures were built during WWII. These included lines of defences (Stop Lines), pillboxes and AA guns. Details of those in the vicinity of the Site are provided in Section 5.

Several airfields were established in the region by the Royal Air Force (RAF), including one near West Hartlepool, approximately 4.7km northwest of the Site. This is described in Section 6.

Details of other military establishments in the vicinity of the Site, which included firing ranges, a communications establishment and camps, are provided in Sections 7, 8 and 9.

### **3.5 Post-WWII Military History**

No significant post-war military activity has been identified on the Site.

#### 4 WWII BOMBING

Bombing raids began in the summer of 1940 and continued until the end of WWII. Bombing densities generally increased towards major cities or strategic targets such as docks, industrial premises, power stations and airfields.

The German bombing campaign saw the extensive use of both High Explosive (HE) bombs and Incendiary Bombs (IBs). The most common HE bombs were the 50kg and 250kg bombs, although 500kg were also used to a lesser extent. More rarely 1,000kg, 1,400kg and 1,800kg bombs were dropped.

The HE bombs tended to contain about half of their weight in explosives and were fitted with one or sometimes two fuzes. Not all HE bombs were intended to explode on impact. Some contained timing mechanisms where detonation could occur more than 70 hours after impact.

Incendiary devices ranged from small 1kg thermite filled, magnesium bodied bombs to a 250kg 'Oil Bomb' (OB) and a 500kg 'C300' IB. In some cases the IBs were fitted with a bursting charge. This exploded after the bomb had been alight for a few minutes causing burning debris to be scattered over a greater area. The C300 bombs were similar in appearance to 500kg HE bombs, although their design was sufficiently different to warrant a specially trained unit of the Royal Engineers to deal with their disposal.

Anti-Personnel (AP) bombs and Parachute Mines (PMs) were also deployed. 2No. types of anti-personnel bombs were in common use, the 2kg and the 12kg bomb. The 2kg bomb could inflict injury across an area up to 150m away from the impact, within 25m of this, death or fatal injury could occur.

PMs (which were up to 4m in length) could be detonated either magnetically or by noise/vibration. Anti-shipping parachute mines were commonly dropped over navigable rivers, dockland areas and coastlines. The Royal Navy was responsible for ensuring that the bombs were made safe. Removal and disposal was still the responsibility of the Bomb Disposal Unit of the Royal Engineers.

WWII bomb targeting was inaccurate, especially in the first year of the war. A typical bomb load of 50kg HE bombs mixed with IBs which was aimed at a specific location might not just miss the intended target but fall some considerable distance away.

It is understood that the local Civil Defence authorities in urban areas had a comprehensive system for reporting bomb incidents and dealing with any UXO. In more rural areas, fewer bombing raids occurred. It is known that Air Raid Precaution (ARP) records under-represent the number and frequency of bombs falling in rural and coastal areas.

Bombs were either released over targets or as part of 'tip and run' raids where bomber crews would drop their bombs to avoid Anti-Aircraft fire or Allied fighter aircraft on the route to and from other strategic targets. Bombs dropped as a result of poor targeting or 'tip and run' raids on rural and coastal areas were often unrecorded or entered as 'fell in open country' or fell 'in the sea'.

#### 4.1 WWII Bombing in Teesside

The mouth of the River Tees was subjected to frequent mine-laying by German aircraft attempting to disrupt the flow of shipping in and out of the port facilities. British convoys carrying supplies along the east coast of England were also attacked by Luftwaffe bombers.

During WWII the Teesside region was heavily bombed. Between 1939 and 1945 at least 473No. HE bombs and many more IBs fell on the region during 107No. air raids. As a result of the raids, approximately 500No. residential and commercial properties were demolished and there were 305No. fatalities.

The bombing density was heaviest in Middlesbrough and Billingham and generally decreased towards the coast. It should be noted that bombs falling in more remote areas, such as estuaries and marshland, were more likely to be missed. As a result, bombing records in those areas are likely to be under-recorded.

There are records of HE bombs falling in the River Tees on the Site.

#### 4.2 WWII Strategic Targets

The presence of strategic targets significantly increased the likelihood of bombing within the local area. Airfields, docks, industrial facilities, transport infrastructure and anti-invasion defences were all targeted by Luftwaffe bombers. The inherent bombing inaccuracies at the time meant that areas surrounding the targets were often subjected to bombing.

The following Sections describe the main strategic targets in the vicinity of the Site.

##### 4.2.1 Industrial and Commercial Targets

The extensive iron and steel industry based on Teesside was one of the the most significant targets in the area surrounding the Site. Iron and steel works were located at Warrenby, approximately 2km east of the Site, Grangetown, approximately 2.3km south of the Site, and further west in Middlesbrough, approximately 5.5km west-southwest of the Site.

There was also a large chemical works operated by ICI based at Billingham, approximately 6.8km west-southwest of the Site, which was bombed on 11No. occasions between June 1940 and July 1942.

In addition, there were docks and wharves based along the north and south banks of the River Tees and collieries situated further inland.

##### 4.2.2 Military Targets

There were several military targets in the vicinity the Site, including RAF West Hartlepool, approximately 4.7km northwest of the Site. There were also bombing decoys, AA defences and extensive anti-invasion defences in the region. Those relevant to the Site are described in Sections 5,7, 8 and 9.

In addition, convoys of ships travelling along the East Coast of England were also frequently targeted by Luftwaffe bombers.

#### 4.2.3 Transport Infrastructure and Public Utilities

The River Tees was important for the movement of iron, steel, coal and other materials to and from the port of Middlesbrough. In addition, there were important railway lines and trunk roads running on either side of the River Tees, within approximately 2km southeast and 3.5km northwest of the Site.

Public utilities such as gas works and power stations were targeted in order to disrupt power supplies to the local steel industry. There were gas works located at South Bank, approximately 3.6km south-southwest of the Site, and in Redcar, approximately 5.5km east of the Site.

#### 4.3 Bombing Density and Incidents

Table 2 gives details of the overall bombing statistics recorded for the Local Authority Districts of the Site and surrounding districts. These were categorised as Rural Districts (RD), Urban Districts (UD), Municipal or Metropolitan Boroughs (MB) and County Boroughs (CB). The Site was along the boundaries of Redcar MB, Eston MB, Billingham UD and Stockton RD.

The figures for West Ham CB, generally considered to represent a high bombing density, are included for comparison.

Area	Bombs Recorded				
	High Explosive	Parachute Mines	Other	Total	Bombs per 405ha (1000 acres)
Billingham UD	218	3	0	221	28.1
Eston MB	120	1	0	121	24.1
Redcar MB	71	2	0	73	14.5
Stockton RD	56	0	0	56	10.2
West Ham CB	1,498	45	47	1,590	334.0

Note that Table 2 excludes the figures for Pilotless Aircraft (V1s, also known as ‘Doodlebugs’), Long Range Rockets (V2s), AA shells and IBs. Discrepancies between this list and other records, such as bomb clearance records, demonstrate that this data is likely to under-represent actual bombing.

Details of the more significant air raids in the vicinity of the Site are given in the following Section.



**25<sup>th</sup> May 1940**

14No. 50kg HE bombs fell in a line from the Dorman Long Cleveland Steel Works, Grangetown, to the Cargo Fleet Iron Works, South Bank, between approximately 2.3km south and 3.4km southwest of the Site.

**12<sup>th</sup> July 1940**

24No. HE bombs and 200No. IBs fell in a bean field in the Greatham/Graythorpe area, approximately 3km northwest of the Site.

**5<sup>th</sup> August 1940**

3No. PMs fell in the sea off the River Tees, within approximately 3km northeast of the Site.

**9<sup>th</sup> August 1940**

3No. HE bombs fell south-east of Tofts Farm, approximately 2.5km northwest of the Site.

**12<sup>th</sup> August**

2No. PMs were dropped in the sea off the River Tees, within approximately 3km northeast of the Site.

**19<sup>th</sup> August**

2No. HE bombs fell on the Dorman Long Cleveland Steel Works, Grangetown, approximately 2.3km south of the Site.

3No. HE bombs fell near the North Gare, within approximately 2.5km north-northeast of the Site. They were lost below the tide level.

**24<sup>th</sup> August**

Approximately 50No. HE bombs and many IBs fell in districts either side of the River Tees.

20No. HE bombs fell on fields and industrial dwelling houses in the Grangetown District, within approximately 3km south-southeast of the Site.

**25<sup>th</sup> August 1940**

2No. HE bombs fell in the River Tees near Redcar Jetty, on the Site.

5No. HE bombs fell near the Tees K2 AA gun site, either into the River Tees or on open ground, approximately 1km southwest of the Site.

11No. HE bombs fell in the Seaton Snook District, within approximately 2km northwest of the Site. A water main at the Northern Chemical & Smelting Company was fractured.

Approximately 12No. HE bombs fell in the Grangetown area, mostly in the River Tees or adjacent fields, within approximately 3km south and southwest of the Site. Some were recorded within the boundary of the steelworks, at the South Bank side, approximately 2.6km south of the Site, and on the river bank, approximately 2km southwest of the Site.

**26th August 1940**

3No. HE bombs fell in Graythorpe, approximately 2.5km northwest of the Site.

**27th August 1940**

12No. HE bombs fell in the Staplyton Street area of Grangetown, approximately 2.8km south of the Site. 2No. of these fell on the premises of the Dorman Long Cleveland Steel Works and were recorded as UXB.

**29th August 1940**

3No. HE bombs fell near Greenabella Farm, south of Graythorpe, approximately 2km northwest of the Site.

18No. HE bombs fell in the West Coatham area of Redcar, within approximately 3km east of the Site. 1No. of the bombs exploded on the Trunk Road near West Coatham Farm, approximately 2.5km southeast of the Site, partially blocking the road. 5No. of the HE bombs were recorded as UXB.

**2nd September 1940**

3No. mines were dropped in the sea off the River Tees, within approximately 4km northeast of the Site.

**3rd September 1940**

8No. HE bombs fell in the River Tees north of Grangetown, within approximately 1.5km southwest of the Site.

A number of HE bombs were reported falling in the sea at the mouth of the River Tees, within approximately 3km northeast of the Site.

**24th November 1940**

Mines were laid off the mouth of the River Tees, within approximately 3km northeast of the Site.

**11th February 1941**

There were reports of 2No. HE bombs falling in the vicinity of the River Tees. No trace was found and it was thought they may have buried themselves in sand dunes near the mouth of the river, approximately 2km northeast or northwest of the Site.

**7th April 1941**

2No. PMs fell on Graythorpe village, approximately 2.5km west-northwest of the Site. 1No. was recorded as UXPM, causing an evacuation of the whole village.

**16th April 1941**

1No. PM fell at the Dorman Long Cleveland Steel Works, Grangetown, approximately 2.3km south of the Site causing in 1No. fatality.

**6<sup>th</sup> May 1941**

1No. HE bomb fell on Warrenby golf course, approximately 3km east of the Site.

**7<sup>th</sup> May 1941**

1No. HE bomb fell at Tod Point, Warrenby, approximately 1.5km east of the Site. There was 1No. fatality

**2<sup>nd</sup> June 1941**

7No. HE bombs fell in a cornfield near the Dorman Long Cleveland Steel Works, Grangetown, approximately 2.5km southeast of the Site.

**11<sup>th</sup> July 1941**

2No. HE bombs fell on the marshes on the south side of Redcar Wharf, on or adjacent to the Site.

**19<sup>th</sup> August 1941**

5No. HE bombs fell on the Teesport foreshore, adjacent to the south-western boundary of the Site.

1No. HE bomb fell on a spoil tip to the north of Grangetown railway station, approximately 1.9km south of the Site.

**2<sup>nd</sup> October 1941**

5No. HE bombs fell at Graythorpe, approximately 2.5km northwest of the Site.

2No. HE bombs fell on Gray's Shipyard, Seaton Channel, approximately 2km west of the Site.

**21<sup>st</sup> October 1941**

1No. HE bomb fell on Gray's Shipyard, approximately 2km west of the Site. It was recorded as UXB.

4No. HE bombs fell at Seaton Snooks, approximately 2km northeast of the Site.

4No. HE bombs fell in the fields of West Coatham Grange Farm, approximately 2km southeast of the Site.

**4<sup>th</sup> November 1941**

1No. 500kg DAB fell on the blacksmith shop, Redcar Ironworks, Warrenby, approximately 2km east of the Site. It was recorded as UXB and removed by the Bomb Disposal Squad (BDS).

**7<sup>th</sup> November 1941**

3No. HE bombs fell in the River Tees at Teesport, adjacent to the south-western boundary of the Site.

1No. HE bomb fell on the golf course, Seaton Carew, approximately 2.4km northwest of the Site.

**15<sup>th</sup> November 1941**

2No. 500kg HE bombs fell on the Redcar Ironworks, Warrenby, approximately 2km east of the Site. No. 4 blast furnace was damaged.

**6<sup>th</sup> January 1942**

2No. HE bombs fell on the Northern Chemical & Smelting Company works, Seaton Channel, approximately 1.2km northwest of the Site.

**13<sup>th</sup> January 1942**

4No. HE bombs fell on the Redcar Ironworks at Warrenby, approximately 2km east of the Site.

**5<sup>th</sup> June 1942**

3No. HE bombs fell on Gray's Shipyard, approximately 2km west of the Site.

3No. HE bombs fell on Middle Farm, Dormanstown, approximately 2.5km southeast of the Site.

4No. HE bombs fell on open land near the Trunk Road, within approximately 2.5km southeast of the Site.

**14<sup>th</sup> December 1942**

HE bombs fell on the Redcar Ironworks, Warrenby, approximately 2km east of the Site.

3No. HE bombs fell on the Dorman Long Cleveland Steel Works, Grangetown, approximately 2.3km south of the Site.

**11<sup>th</sup> March 1943**

2No. PMs fell on Seal Sands, within approximately 2km west of the Site.

**22<sup>nd</sup> March 1943**

A number of IBs fell between the North Gare and the Northern Chemical & Smelting Company works, Seaton Channel, approximately 1.2km north of the Site.

2No. HE bombs fell in fields at the north end of Seal Sands, approximately 1.8km northeast of the Site.

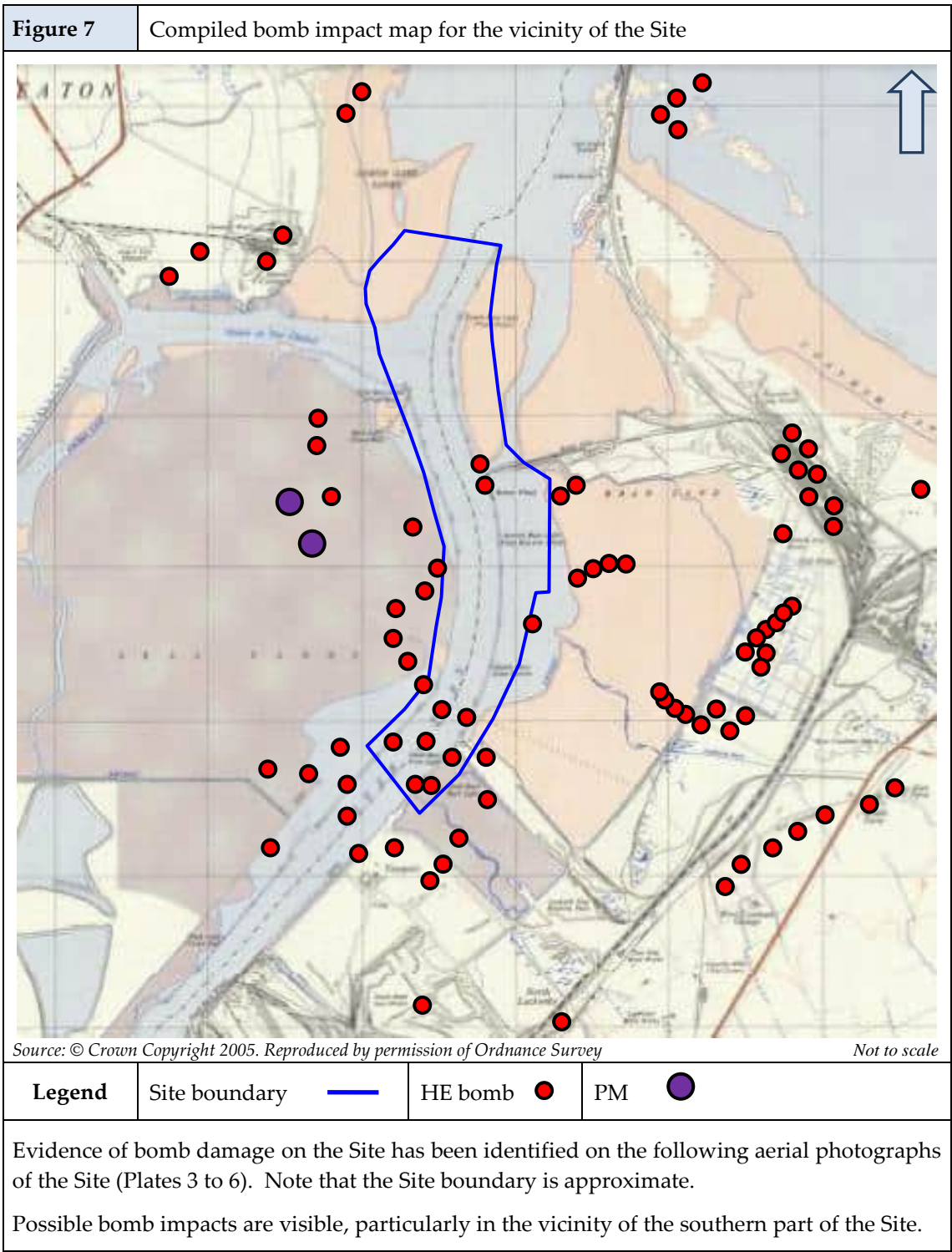
4No. HE bombs fell in the sea, just south of the South Gare, approximately 2.2km northeast of the Site.

A large number of IBs fell on the beach at Warrenby Marsh, approximately 2.5km northeast of the Site.

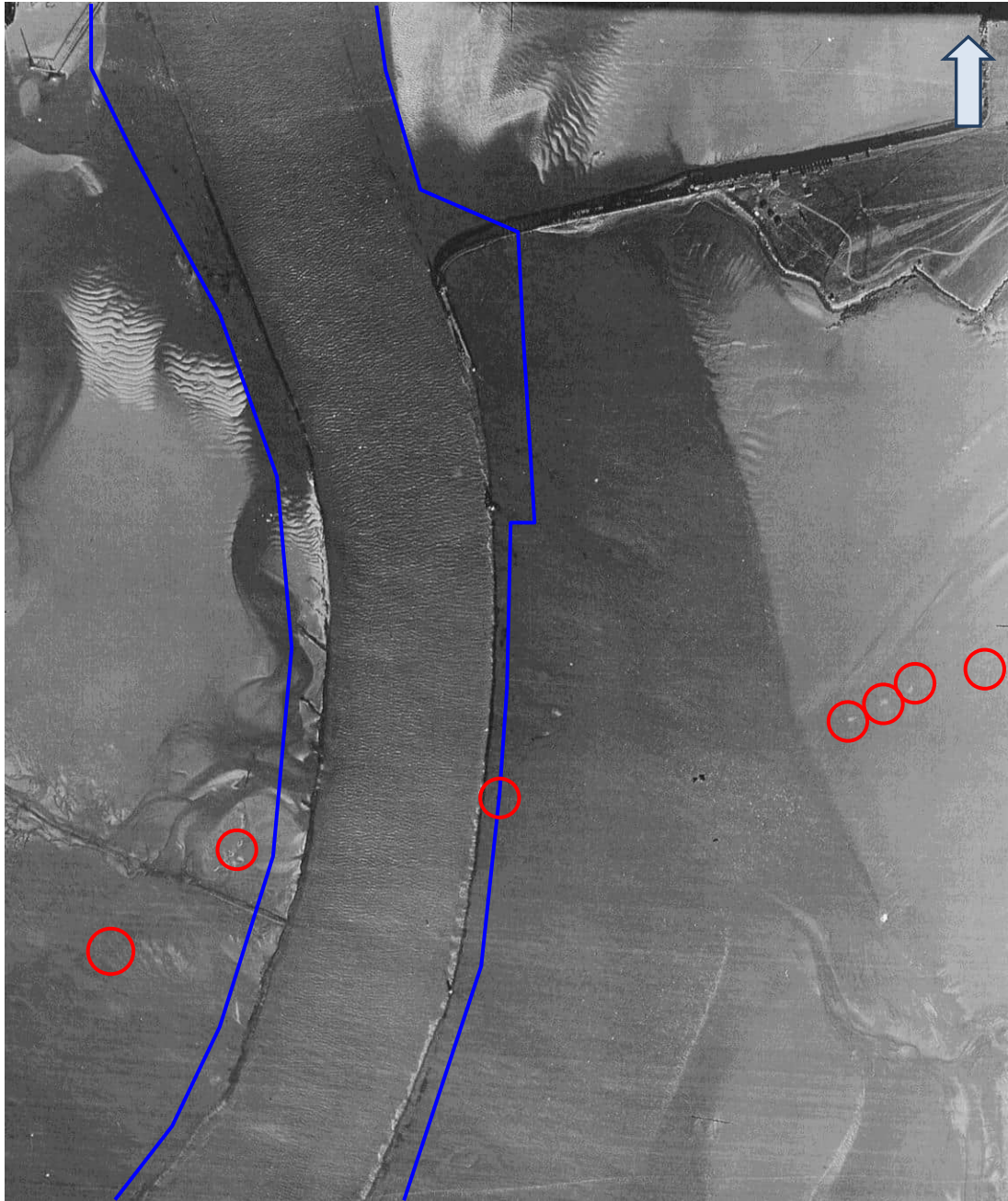
It should be noted that during WWII, many UXB were mapped and subsequently removed as and when conditions and demands on Bomb Disposal teams allowed. Their removal was not always accurately recorded and sometimes records were later destroyed. In practise, most UXB were probably removed and only a much smaller number were actually registered as officially abandoned bombs.

Figure 7 shows the approximate location of recorded bomb impacts in the vicinity of the Site, compiled from available official bomb maps and air raid incident reports.

It should be noted that air raid incident reports do not always give precise details of the bombs which fell, often only indicating which street or area they fell in. Bombs falling in rivers and other waterways often went unrecorded.



**Plate 3** Aerial photograph, 13<sup>th</sup> November 1946, Redcar Jetty



Source: English Heritage

Not to Scale



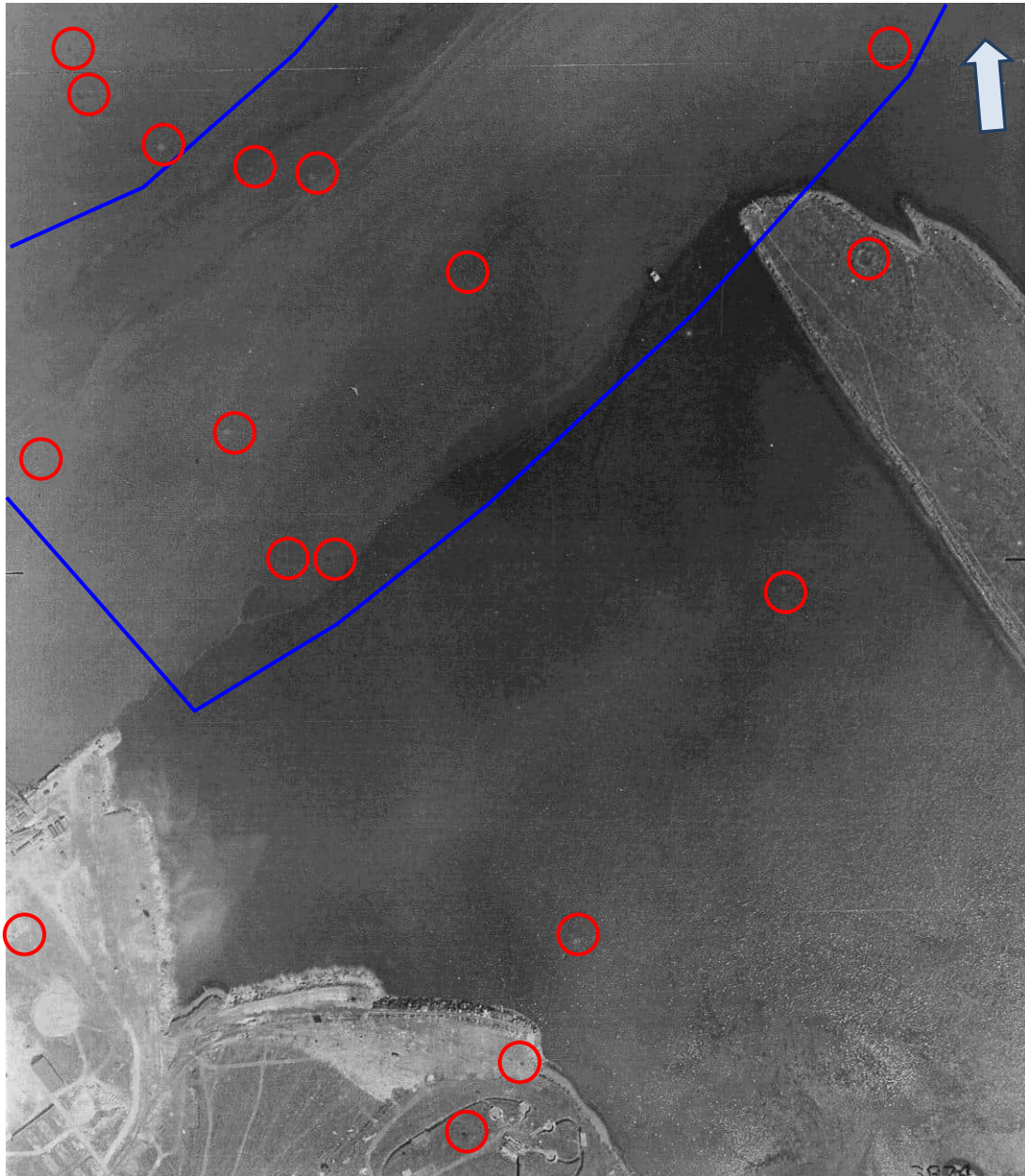
<b>Legend</b>	Site boundary 	Possible bomb damage 
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Plate 5

Aerial photograph, 28<sup>th</sup> July 1948, Tees Dock



Source: English Heritage

Not to Scale

<b>Legend</b>	Site boundary ———	Possible bomb damage ○
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#### 4.4 Geology and Bomb Penetration Depths

It is important to consider the geological materials present at the time that a bomb was dropped in order to establish its maximum penetration depth. The BGS 1:50,000 Sheet 33 Stockton (Solid and Drift) and BGS borehole records were consulted.

The geology of the Site comprises sand and clay overlying weathered mudstone underlain by unweathered mudstones of the Mercia Mudstone Group.

Table 3 provides an estimate of average maximum bomb penetration depths assuming ground conditions during WWII of 1m of saturated sand overlying 2m of stiff clay underlain by soft rock.

Since WWII, significant dredging of the River Tees has taken place, increasing the river depth to accommodate larger vessels.

Borehole records indicate that in 1945 the average river depth on the Site was approximately 7.5 metres. Recent hydrographic charts indicate that dredging has increased the depth to 14.1m north of NZ 545250, making it unlikely that any HE bombs of 50kg or 500kg calibre would have remained undiscovered. There is still the possibility that larger calibre UXB could be present in this area.

For the area of the Site south of NZ 545250, the river has been dredged to a depth of only 10.4m in the main channel. Along some of the quayside areas on the southern part of the Site, river depths are only marginally more than during WWII. This means that there is still a possibility of finding UXB below the river bed in these areas.

**Table 3** Estimated average maximum bomb penetration depths

Estimated average bomb penetration depths for anticipated geology		
<b>Bomb Weight</b>	50kg	3.5m
	500kg	7.0m
	1,000kg	8.0m

The estimated bomb penetration depths given in Table 3 are from the WWII ground level and are based on the following assumptions:

- a) High level release of the bomb resulting in an impact velocity of 260m/s (>5,000m altitude).
- b) A strike angle of 10 to 15 degrees to the vertical.
- c) That the bomb is stable, both in flight and on penetration.
- d) That no retarding units are fitted to the bomb.
- e) That the soil type is homogenous.

A high altitude release of a bomb will result in ground entry at between 10° and 15° to the vertical with the bomb travelling on this trajectory until momentum is nearly lost. The bomb will then turn abruptly to the horizontal before coming to rest. The distance between the centre of the entry hole and the centre of the bomb at rest is known as the 'offset'. A marked lateral movement from the original line of entry is common.

Low-level attacks may have an impact angle of 45° or more, which will frequently lead to a much greater amount of offset movement during soil penetration.

The average offset is one third of the penetration depth, i.e. an offset of 2m may be expected for a 50kg bomb in dry silts and clays.

If hard standings or Made Ground were present during WWII, bomb penetration depths would have been significantly reduced but offset distances may have been up to four times greater.

## 5 WWII DEFENCES

### 5.1 Bombing Decoys

In order to draw enemy aircraft away from towns and other strategically important targets, a series of decoys were developed between 1940 and 1941.

They were estimated to have drawn at least 5% of the total weight of bombs away from their intended targets. Approximately 792No. static decoy sites were built at 593No. locations in England. In addition, numerous temporary and mobile decoys were deployed.

Several different types of decoy were devised:

- Night time dummy airfields (Q sites).
- Daytime dummy airfields (K sites).
- Diversionary fires to simulate successful bombing raids on airfields (QF sites), petroleum depots (P sites) and major towns and cities (Starfish or SF sites).
- Simulated urban lighting (QL sites).
- Dummy Heavy Anti-Aircraft (HAA) batteries, factories and buildings (C series).
- Mobile decoys representing ‘hards’ for troop embarkation (MQLs), tanks and other vehicles.

Machine gun emplacements and Light Anti-Aircraft (LAA) guns were used to prevent possible enemy landings at decoy airfields.

By their nature, decoy sites provide a potential risk from Unexploded Bombs (UXB), both within the decoy site boundary and in the surrounding areas.

Table 4 is a list of bombing decoys within 10km of the Site.

<b>Table 4</b> Bombing decoys within 10km of the Site				
<b>Grid Reference</b>	<b>Serial No.</b>	<b>Location</b>	<b>Type</b>	<b>Approximate Distance and Direction from Site</b>
NZ 559236	C2b	Bran Sands	Civil QF/QL	1.3km SE
NZ 514261	C2d	Greenabella	Civil QF	2.5km WSW
NZ 513246	C2c	Seal Sands	Civil QF/QL	2.9km NW
NZ 572218	K8	Grangetown	RAF Q/K	3.2km SE
NZ 572218	C2a	Grangetown	Civil QF/QL	3.2km SE
NZ 494241	C2e	Cowpen Bewley	Civil QF/QL	4.5km W
NZ 475260	C2f	Newton Bewley	Civil QL	6.5km W
NZ 475260	C2f	Newton Bewley	SF	6.5km W
NZ 616193	C2k	Kirkleatham	SF	8.4km SE
NZ 616193	C2k	Kirkleatham	Civil QF	8.4km SE

There are records indicating that the nearest bombing decoy at Bran Sands was attacked on 3No. occasions during air raids in April and June 1942 and in March 1943.

These decoys are not considered to provide a source of UXO hazard to the Site.

## 5.2 Anti-Aircraft Defences

Anti-Aircraft (AA) gun batteries were targeted by the Luftwaffe. They were also a source of Unexploded AA (UXAA) Shells which could land up to 27km from the firing point during WWII, although more typically fell within 15km. These could be distributed over a wide area.

AA batteries present a potential source of UXO hazard as a result of the storage, use and disposal of ordnance associated with the armaments used. They may have a risk from small caches of ammunition buried locally to them. 3No. types of AA batteries existed:

- Heavy Anti-Aircraft (HAA) batteries of large guns designed to engage high flying bomber aircraft. These tended to be relatively permanent gun emplacements.
- Light Anti-Aircraft (LAA) weaponry, designed to counter low flying aircraft. These were often mobile and were moved periodically to new locations around strategic targets such as airfields.
- Rocket batteries (ZAA) firing 3" or 3.7" AA rockets with a maximum altitude of 5,800m and a ground range of 9km were also relatively permanent emplacements.

Many AA batteries were associated with searchlights and consequently 'visible' at night, providing clear targets to the Luftwaffe bombers and a potential for UXB.

The Site was in range of the guns deployed in the Tees Gun Defended Area (GDA).

Table 5 is a list of recorded HAA batteries within 10km of the Site.

<b>Table 5</b>		WWII HAA gun batteries within 10km of the Site		
<b>Grid Reference</b>	<b>Serial No.</b>	<b>Location</b>	<b>Armament</b>	<b>Approximate Distance and Direction from Site</b>
NZ 546228	K2	Lackenby	4No. 4.5"/ 4No. 3.7 Mk IIc guns GL Mk II / No. 3 Mk V radar	0.9km SSE
NZ 537225	K1	Lackenby	4No. 4.5"/ 4No. 3.7 Mk IIc guns GL Mk II / No. 3 Mk V radar	1.2km SSW
NZ 563223	M	Lackenby	Not known	2.5km SE
NZ 510262	J	New Harrington	4No. 4.5"/ 4No. 3.7 Mk IIc guns GL Mk II / GL Mk IIIB radar	3.1km W
NZ 505231	B	Saltholme Farm	4No. 3.7" guns	3.5km WSW
NZ 509265	J	Graythorpe	4No. 4.5"/ 4No. 3.7 Mk IIc guns GL Mk II / GL Mk IIIB radar	3.9km W
NZ 525200	C	Brambles Farm	Not known	4.0km SW
NZ 474243	A	Cowpen Bewley	4No. 3.7" guns; GL Mk II radar	6.5km NW
NZ 516176	D	Middlesbrough	Not known	6.6km SW
NZ 483307	P	Brierton	Not known	7.0 NW
NZ 604194	N	New Marske	Not known	7.3km SE
NZ 469202	H	Billingham	Not known	7.9km SW
NZ 622235	O	Redcar	4No. 3.7" / 6No. 3.7" Mk IIc guns GL Mk IA / GL K II/ Mk IIIB radar	7.9km SE
NZ 494344	R	Hartlepool	Not known	8.3km NW
NZ 501169	D	Middlesbrough	Not known	8.8km SW

Plate 7 is an aerial photograph of the nearest HAA gun site (K2) to the Site.

**Plate 7** Aerial photograph, 28<sup>th</sup> July 1948 showing the HAA gun site K2



Source: English Heritage

Not to Scale

<b>Legend</b>	Site boundary 	HAA gun site 
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### 5.3 Barrage Balloons and Anti-Landing Obstacles

Balloon barrages were flown in many British towns and cities to protect against air raids. Their presence deterred low flying aircraft, making it more difficult for bombs to reach their intended targets.

Barrage balloon sites can be a source of UXO as they were targeted by the Luftwaffe. They also often had a small explosive charge fitted with tilt fuzes attached approximately 50m from each end of the balloon cables and designed to detonate if the cables were hit by an aircraft

Measures were also taken to prevent enemy aircraft landing in the event of invasion. Obstructions were constructed around airfields and on other open sites deemed fit for use as landing grounds. Solid obstructions (such as concrete blocks), posts or stakes, felled trees, haystacks, scaffolding with wire and trenching were the main measures used.

There was an extensive array of barrage balloons around Teesside to protect the strategically important iron, steel and chemical works in the area. Barrage balloons in Teesside were controlled by units of No. 33 Group Balloon Squadron based in Billingham, approximately 6km southwest of the Site.

Barrage balloons were also flown by the convoys of ships at anchor just outside the Tees Estuary.



No records of any barrage balloons on or in close proximity to the Site have been found.

Anti-landing defences were also present in the vicinity of the Site. There are records of anti-landing ditches and anti-landing poles (NZ 566244 and NZ 566222 respectively) on Bran Sands, both approximately 2.5km southeast of the Site.

There are also records of anti-landing poles located in a field north of Greatham Creek (NZ 515262), approximately 2.5km west of the Site. Plate 8 is an aerial photograph dated 1940 on which these anti-landing obstructions can be seen on land adjacent to Seal Sands. Grays Ship Yard is located in the northeast corner of the photograph and some possible bomb impacts are visible.

<b>Plate 8</b>	Aerial photograph, 1940, showing anti-landing defences
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Source: English Heritage Not to Scale

<b>Legend</b>	Site boundary <span style="color: blue;">—</span>	Anti-landing obstructions <span style="color: blue;">○</span>
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## 5.4 Anti-Invasion Defences

Defence structures are a potential source of UXB as they were especially targeted by low flying enemy aircraft, particularly during ‘tip and run’ raids which were common in industrialised regions. These defences may also be associated with small caches of UXO in the form of small arms, used by the troops manning the emplacement

The rapid advance of German Troops into France, Holland and Belgium after the start of WWII prompted the War Office to review the vulnerability of the UK to invasion and a decision was taken to begin work on a national plan of anti-invasion defences. Static defences were built to interrupt and delay the progress of any invading force.

Coastal defences were strengthened (the ‘Coastal Crust’). These defences included barbed wire entanglements and minefields, which were often combined to give defence in depth.

Inland, lines of defence structures were constructed along ‘Stop Lines’ in order to impede enemy progress for long enough to allow mobile defending forces to counter-attack.

Stop Lines included the fortification of key ‘centres of resistance’, such as river crossings and important road or rail junctions that could seriously hamper the enemy’s advance across country. Bridges were mined for demolition and tank traps installed.

Stop Lines were further integrated into a network of fortified nodal points and ‘Anti-Tank (AT) Islands’.

The Site was located in Northern Command which was considered to be very vulnerable to invasion. As a result, there were extensive anti-invasion defences constructed in the vicinity of the Site, particularly along the South Gare breakwater and along Coatham Sands, between approximately 1km and 2km northeast of the Site. These included anti-tank cubes, anti-tank trenches, road blocks, weapons pits and petroleum warfare sites.

Table 6 is a list of those anti-invasion defences situated within 1km of the Site.

Table 6	Recorded anti-invasion defences within 1km of the Site		
NZ 532267	Seaton Channel	Tank trap	0.8km NW
NZ 558257	Redcar Jetty	Defensive trench	1km NE
NZ 557268	Bran Sands	Road block	1km NE
NZ 558245	Coatham Marsh	Trench	1km SE

These anti-invasion defences are not considered to provide a source of UXO hazard to the Site.

5.5 Pillboxes, Mortar and Gun Emplacements			
Defences also included gun emplacements, weapons pits and spigot mortar positions, which could be either fixed or mobile.			
<p>There are records of several gun emplacements and spigot mortar positions within 5km of the Site.</p> <p>The nearest gun emplacement was located on Redcar Jetty (NZ 552256), approximately 0.3km east of the Site, and the closest spigot mortar emplacement was situated on the South Gare breakwater (NZ 555275), approximately 1.1km northeast of the Site.</p>			
<p>Pillboxes provide a potential UXO hazard both from the storage, use and disposal of ordnance associated with them and from UXB because they were targeted by enemy aircraft.</p> <p>Pillboxes were common along Stop Lines, perimeters of airfields, potential land invasion sites and around important civil sites. Several different designs existed including Seagull Trenches (semi-buried structures), Alan Williams and Tett Turrets (small prefabricated pillboxes). Fortified sites, buildings or loop-holed walls also functioned as pillboxes.</p>			
<p>There are records of 20No. pillboxes within 2km of the Site, mostly forming part of the defences along the South Gare breakwater.</p> <p>Table 7 gives details of those pillboxes within 1km of the Site.</p>			
<b>Table 7</b>	Recorded pillboxes within 1km of the Site		
Grid Reference	Location	Type	Approximate Distance and Direction from Site
NZ 554255	Redcar Jetty, Bran Sands	Pillbox	0.6km E
NZ 554254	Redcar Jetty, Bran Sands	Pillbox	0.6km E
NZ 554258	Bran Sands	Pillbox	0.6km E
NZ 555258	Bran Sands	Pillbox	0.7km E
NZ 556258	Bran Sands	Pillbox	0.8km E
NZ 532266	Seaton Carew Road	Pillbox	0.8km NW
NZ 532267	Seaton Channel	Pillbox	0.8km NW
NZ 556261	Bran Sands	Pillbox	0.9km E
NZ 557267	Bran Sands	Pillbox	1km NE
NZ 558267	South Gare	Pillbox	1km NE
Gun emplacements and pillboxes are not considered to provide a source of UXO hazard to the Site.			

### 5.1 Home Guard and Auxiliary Units

Local Defence Volunteers (LDV) units, later known as the Home Guard, were located in all cities, towns and large villages.

Anti-invasion defences were to be defended by the Home Guard and regular Army troops for as long as possible in the event of an invasion. The troops were issued with 'No Withdrawal' orders.

Important elements of the ordnance supply for the use of the Home Guard included substantial supplies of Mills bombs (fragmentation grenades) and Self Igniting Phosphorus (SIP) grenades as well as machine gun and small arms ammunition.

Plate 9 shows a No. 76 SIP grenade, one of a cache of 76No. found in a garden at Seend, Wiltshire, in October 2006.

**Plate 9** | Photograph of a No. 76 SIP grenade



Source: Evans et al, 2007

In October 2008, a further 26No. SIP grenades were discovered in a garden in Wimborne, Dorset.

Similar caches were discovered in October 2009 in Hove, Sussex and during May 2010 in Halesowen in the West Midlands, and a further cache of 20No. was uncovered on a construction site at Birdlip, Gloucestershire, in July 2010. Also in July 2010, a box of 24No. SIP grenades was found on Cogden Beach, Dorset. In April 2012, more than 8No. SIP grenades were found on a construction site in Banbury and destroyed by members of the Army Royal Logistic Corps (RLC).

In all 7No. cases, the bottles were in good condition and exploded in flames when broken.

Records of Home Guard activities and related sites are rarely preserved. Storage and disposal of munitions by the Home Guard was poorly documented and surplus supplies were either buried or dumped in lakes and ponds.

It is considered that all locations occupied or used by the Home Guard provide a moderate UXO hazard.

In addition to the regular Home Guard, Auxiliary Units existed which were made up of guerrilla troops trained in sabotage and assassination in case of invasion. Sites used by these Units were Top Secret and many locations are still unknown.

It is considered that all locations occupied or used by the Auxiliary Units provide a high UXO hazard.

Home Guard Units operating in the vicinity of the Site included the 18<sup>th</sup> Durham (Hartlepool) Battalion and the 5<sup>th</sup> North Riding (South Bank) Battalion. It is likely that the iron, steel and chemical works in the area also had dedicated Home Guard Units.

There are no records of any Auxiliary Unit operations on or in close proximity to the Site. The nearest Auxiliary Unit operational bases were located in woodland near Wilton, more than 5km southeast of the Site.

Home Guard and Auxiliary Unit activity is not considered to provide a source of UXO hazard to the Site.

**5.2 Minefields and Mined Locations**

Minefields were laid along the coast, in estuaries and along the banks of major rivers to deter infantry invasion. Strategic points such as bridges and gaps in cliffs were mined to impede enemy advance.

Most of the mined locations in the UK have been cleared and the risk of finding UXO in these areas is considered to be low.

No records of any mined locations on the Site have been found.

There are records of minefields located in close proximity to the Site. 2No. minefields were present on Bran Sands, north of Redcar Jetty, approximately 1.2km east-northeast of the Site.

Further minefields were located on Coatham Sands, between approximately 1.5km and 2km northeast of the site.

These are all likely to have been cleared at the end of WWII using the original layout plans.

It is known that mine laying in the North Sea near the mouth of the River Tees was carried out by the Luftwaffe on a number of occasions. The RN also set out minefields further out to sea to protect supply routes.

It is generally accepted that less than 30% of the total number of sea mines were cleared as many were moved from their original positions by tidal currents. As a result there is a possibility that some remain in the marine environment and a mine can be washed up on a beach or found drifting in the water around any part of the UK's coastline.

There is anecdotal information that the RN undertook a routine sweep for mines in the River Tees in 2008 and did not find any UXO. This has not been formally confirmed by the RN.

The WWII minefields in the vicinity of the Site are considered unlikely to provide a source of UXO hazard to the Site, although the presence of mines onto the Site through marine processes cannot be completely discounted.

<b>6 MILITARY AIRFIELDS</b>
<p>Military airfields offer the potential for significant UXO hazards due to the use, storage and disposal of ordnance and as a result of enemy bombing during WWI and WWII.</p> <p>Airfields active during WWII were targeted by the Luftwaffe, providing a potential source of UXB on the airfield.</p> <p>As bombing accuracy was so poor during WWII, it is likely to find UXB in the surrounding areas. Aircraft crashes are also associated with operational airfields.</p>
<p>The nearest operational airfields are described below.</p>
<b>6.1 RNAS Seaton Carew II</b>
<p>RNAS Seaton Carew II (NZ 533268) was located on the north side of the Greatham Creek, approximately 1km northwest of the Site.</p> <p>The station comprised a slipway and 1No. hangar, together with some primitive accommodation and works blocks. From October 1917, 24No. sea planes were based at the station. These took part in operations over the North Sea. Flying ceased after May 1919 and the site was abandoned.</p> <p>RNAS Seaton Carew II is not considered to provide a UXO hazard to the Site.</p>
<b>6.2 RFC Seaton Carew I</b>
<p>RFC Seaton Carew I (NZ 523282) was located in fields on the north side of the River Tees near Graythorpe, approximately 2.5km northwest of the Site.</p> <p>The airfield was set up as a Home Defence (HD) Station in response to the Zeppelin airship raids on the ports and factories located along the banks of the River Tees. It was operational from May 1916 until May 1919 and was the main base for No. 36 (HD) Squadron.</p> <p>The land was later partially redeveloped for an industrial complex.</p> <p>RFC Seaton Carew I is not considered to provide a UXO hazard to the Site.</p>
<b>6.3 RAF West Hartlepool (Greatham)</b>
<p>RAF West Hartlepool (NZ 504282) was located in fields to the northeast of Greatham approximately 4km northwest of the Site. It was also known as RAF Greatham.</p> <p>It opened as a civilian airfield in 1935 and was used by several airlines to operate civilian flights across the North Sea and to other British airports.</p> <p>It was requisitioned at the outbreak of WWII and used by the No. 32 Elementary and Reserve Flying Training School (ERFTS).</p>

For much of WWII the airfield acted a satellite for RAF Thornaby (NZ 455163), approximately 10km southwest of the Site. It was also used as a forward station for fighter aircraft from 41 Squadron based at RAF Catterick.

After WWII it became Hartlepool Civic Airport, but was later redeveloped as a steel works.

RAF West Hartlepool is not considered to provide a UXO hazard to the Site.

#### **6.4 Aircraft Crashes**

Aircraft crash sites are a known UXO hazard. The MoD advises that if crashed aircraft are found, the safest policy is to leave them alone where possible. Unless disturbed there is no statutory requirement for the MoD to clear such sites.

Aircraft crashes in the vicinity of the Site are described below.

##### **24<sup>th</sup> March 1940**

1No. Blenheim I aircraft (L6709) crashed on approach to RAF West Hartlepool, approximately 4km northwest of the Site.

##### **27<sup>th</sup> October 1940**

1No. hostile aircraft crashed near the mouth of the River Tees, approximately 4km northeast of the Site, after being hit by gunfire from HAA guns on both sides of the River Tees.

##### **18<sup>th</sup> December 1941**

1No. Avro Lancaster MkI (W4319) bomber aircraft crashed on land at Middle Farm, Dormanstown, approximately 2.4km southeast of the Site. The aircraft was returning from a mining raid and was accidentally shot down by the Bofors 40mm LAA defences located at the Warrenby Works, Dormanstown. The aircraft was removed.

##### **15<sup>th</sup> January 1942**

1No. mine-laying Dornier Do217 bomber aircraft hit barrage balloon cables and crashed on the railway at South Bank, approximately 2.7km southwest of the Site, causing considerable damage to the permanent way. The wreckage of the aircraft, which had been buried off Tilbury Road, approximately 3km southwest of the Site, was unearthed in 1997 during construction work.

##### **11<sup>th</sup> December 1943**

1No. Bristol Beaufighter MkVIc (JL637) torpedo bomber aircraft crashed whilst trying to land on Grangetown bombing decoy, approximately 3.5km southeast of the Site. The aircraft had engine trouble and crashed on the boggy ground.

These crash sites are not considered to provide a source of UXO hazard to the Site.






<b>7 EXPLOSIVES AND MUNITIONS ESTABLISHMENTS AND DEPOTS</b>
<p>Explosives and munitions manufacturing or storage sites offer a particularly high risk from both explosive substances and UXO. Standard procedures of explosive/ordnance disposal through burial or burning means that explosive and UXO hazards will be present in some areas of such establishments.</p> <p>In addition, UXB hazards may be present as a result of enemy bombing during WWI and WWII.</p>
<b>7.1 Explosives and Ordnance Factories</b>
<p>No records of explosives or ordnance factories on or in close proximity to the Site have been found.</p>
<b>7.2 Munitions Stores</b>
<p>Local ammunition caches would have been present near to defended road blocks, pillboxes, HAA and LAA sites. Most of those associated with the anti-invasion sites are understood to have been cleared.</p> <p>There are records of 1No. ammunition store associated with Tees B Battery, Seaton Carew Road, approximately 3.5km west-southwest of the Site. Other HAA batteries would also have had associated ammunition stores, including those located at Teesport, adjacent to the Site.</p> <p>These munitions stores, along with munitions caches associated with anti-invasion defences in the area, would have been cleared at the end of WWII and are not considered to provide a source of UXO hazard to the Site.</p>
<b>7.3 Informal Munitions Depots</b>
<p>Informal munitions depots, often made by requisitioning roadside lay-bys or parks. Other informal munitions depots were commonly located in areas of woodland or on train wagons along sidings in marshalling yards.</p> <p>No records of any informal munitions depots on or in close proximity to the Site have been found.</p>

#### **7.4 Munitions Disposal Areas and Bomb Cemeteries**

Munitions disposal areas were often made by requisitioning open areas of land, usually away from habitation. Marshland, beaches or sand dunes were frequently used for this purpose. Disposal of munitions was carried out in many different ways, ranging from destruction to burial. Full records were not necessarily maintained for these locations, and so they can potentially be a source of UXO.

No records of any munitions disposal areas on or in close proximity to the Site have been found.

<b>8 FIRING RANGES AND MILITARY TRAINING AREAS</b>
By their nature, firing ranges and military training areas represent a potential source of UXO due to associated training activities. The training will involve both practice and live munitions and will offer a significant risk from a very wide range of potential UXO.
<b>8.1 Small Arms Ranges</b>
Small arms ranges (such as rifle ranges) and close combat ranges (such as mortar and grenade ranges) are likely to provide a significant source of UXO. It should be noted that even on small arms ranges, larger munitions such as mortars or grenades cannot be discounted.
<p>No records of any small arms ranges on or in close proximity to the Site have been found.</p> <p>There is evidence of a WWII firing range located near Warrenby golf links (NZ 574256), approximately 2.5km southeast of the Site.</p> <p>There is also evidence of a rifle range located just north of Port Clarence, approximately 3km west of the Site. The range was present on mapping from the late 19<sup>th</sup> century but is shown as disused on mapping from the 1920s.</p> <p>These firing ranges are not considered to provide a source of UXO hazard to the Site.</p>
<b>8.2 Artillery Ranges</b>
Artillery ranges will have utilised a wide range of munitions, predominantly shells, although close combat munitions such as mortars, or larger munitions such as bombs, cannot be discounted.
<p>No records of any artillery range on the Site have been found.</p> <p>There is evidence that firing of artillery and anti-aircraft machine guns took place from South Gare Battery (see Section 9). Bye laws dated 1939 governing firing from both South Gare Battery and Pasley Battery (NZ 576254), which was situated just north of Warrenby, approximately 3.3km east of the Site, indicate that the danger area occupied the approximate area shown on Plate 10.</p>

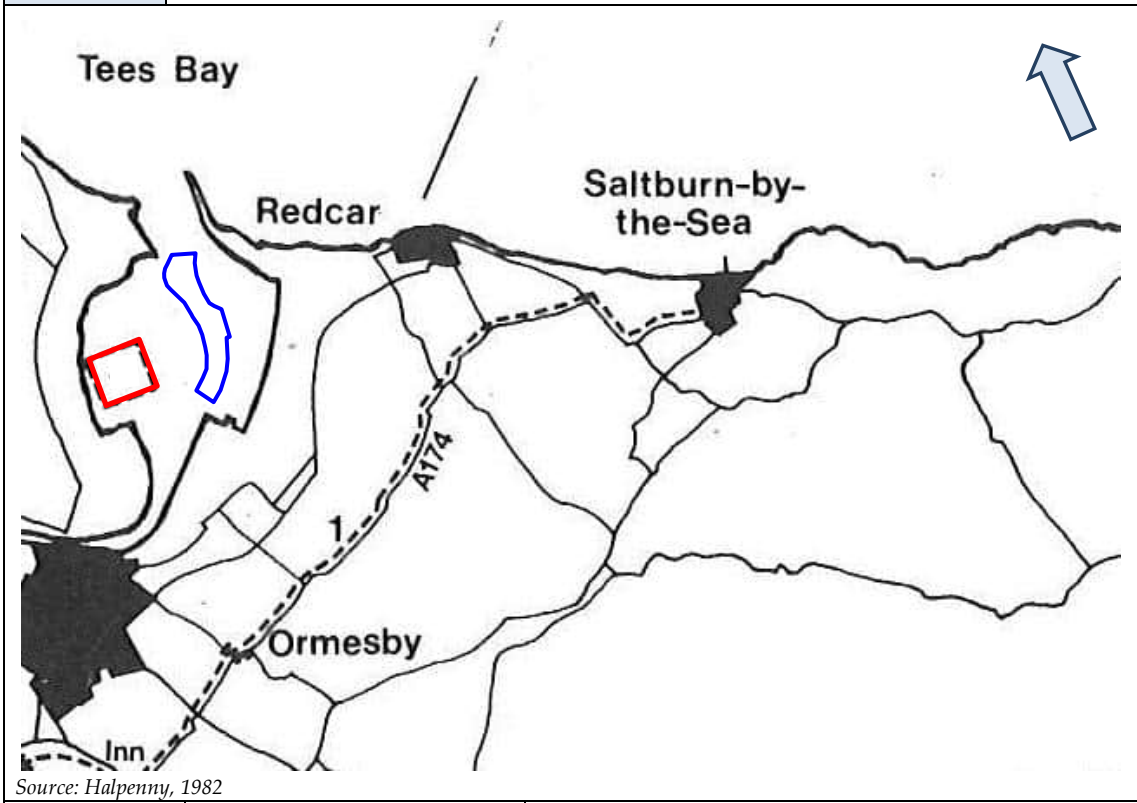
<b>Plate 10</b>	Approximate firing area for South Gare and Pasley Batteries	
		
<i>Source: Google Earth</i>		
<b>Legend</b>	Site boundary 	Approximate range boundary 
This range is not considered to provide a significant source of UXO hazard to the Site.		
<b>8.3 Bombing Ranges</b>		
Bombing ranges will have primarily used bombs, although other munitions such as shells and close combat munitions such as mortars cannot be totally discounted.		
<p>No records of any bombing ranges on the Site have been identified on the Site.</p> <p>There are records of bombing ranges in the surrounding area. These are described in the following sections.</p>		

**8.3.1 Seal Sands Bombing Range**

There is evidence that an area of Seal Sands, approximately 2km west of the Site was used as a practise bombing range during WWII by No. 6 (C) Operational Training Unit (OTU) which was based at RAF Thornaby from July 1941.

A WWII target marker pointing northwest, possibly relating to this range bombing range, was located on Seal Sands at OSNGR NZ 527250, approximately 1.2km west of the Site. This suggests that the range is likely to have been located west of OSNGR NZ 535255. The following map extract (Figure 8) shows the approximate location of the Seal Sands bombing range.

**Figure 8** Approximate location of WWII bombing range, Seal Sands



<b>Legend</b>	Site boundary <span style="color: blue;">—</span>	Approximate range boundary <span style="color: red;">—</span>
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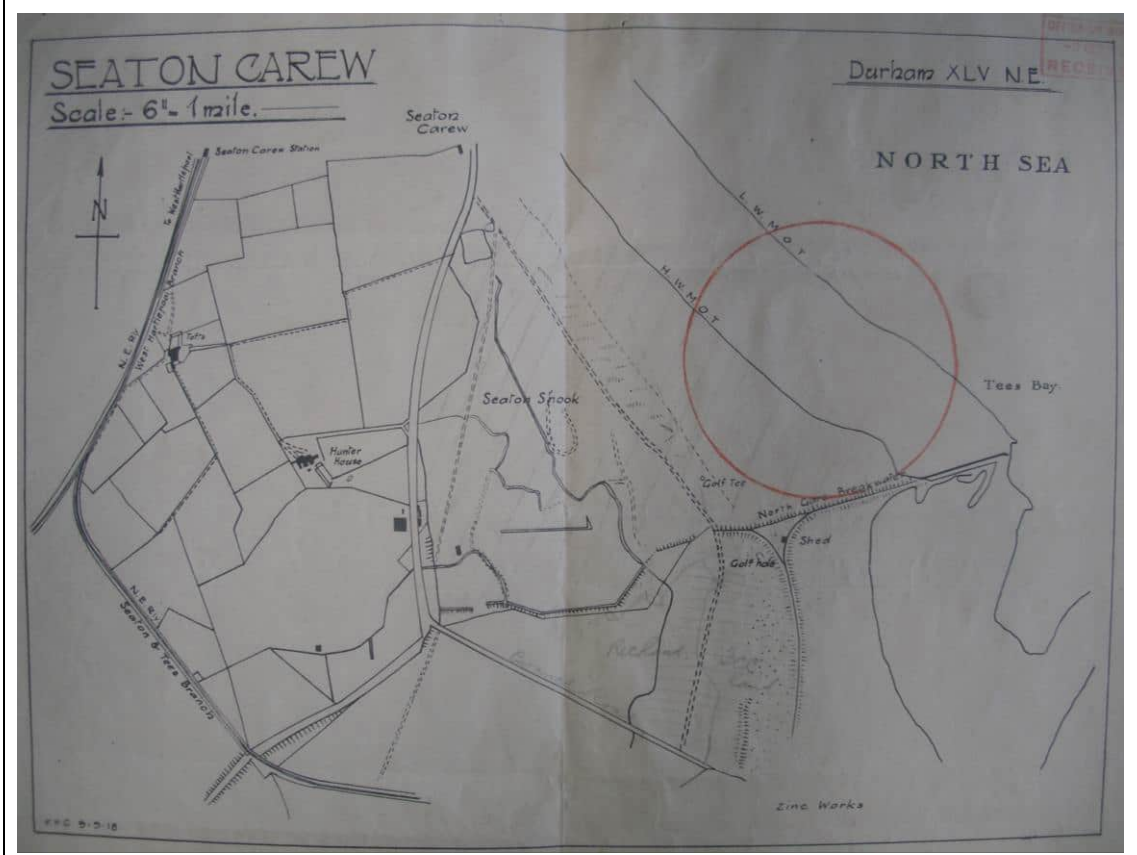
No further details have been found. The probable range area has since been partially reclaimed and developed.

Bombing overspill from the Seal Sands bombing range may provide a source of UXO hazard to the Site.

**8.3.2 North Gare Sands Bombing Range**

During 1918, there was a proposal for an area of North Gare Sands, approximately 2km north of the Site, to be used as an aerial bombing range. A plan of the proposed area is shown in Plate 11.

**Plate 11** Plan of proposed bombing range, Seaton Carew, September 1918



Source: National Archives

Approval was obtained from the land owner, Crown Estates, but it is not known if the range was ever used.

This bombing range is considered unlikely to provide a source of UXO hazard to the Site.

**8.4 Training Areas**

Training areas will have primarily used blank ammunition or practice shells in 'dry' areas, although live munitions such as shells and close combat munitions such as mortars cannot be discounted in any training area.

No records of any military training on or in close proximity to the Site have been found, other than the firing ranges outlined in Section 8.2.

<b>9 OTHER ESTABLISHMENTS, MILITARY BASES AND BARRACKS</b>
Several military establishments directly linked to the armed forces exist or have existed in the region surrounding the Site. These can provide a source of UXO hazard, although the level of risk from such hazards will depend on the nature of operations carried out.
The following Section describes those establishments in the vicinity of the Site.
<b>9.1 Teesport Submarine Depot</b>
<p>During WWI a submarine depot (NZ 542233) was established at Teesport, approximately 0.5km south of the Site. Initially, 6No. E class submarines were stationed there, probably involved in mine laying activities in the North Sea.</p> <p>In 1916 the base was used by the Tenth Flotilla which comprised a depot ship, 2No. E class submarines and 6No. G class submarines.</p> <p>The submarine base would have included storage areas for mines and equipment, workshops, and staff accommodation.</p> <p>The base had been decommissioned by 1920 and was redeveloped as housing for workers at the Bolckow Vaughan steel company who owned the land. The site of the former depot is now occupied by sheds and storage areas to the southwest of Tees Dock.</p> <p>Teesport Submarine Depot is not considered to provide a source of UXO hazard to the Site.</p>
<b>9.2 South Gare Battery</b>
<p>South Gare coastal battery, approximately 1km north-northeast of the Site, was built between 1863 and 1887 to defend the Tees region. By 1902 it was equipped with 2No. 4.7" Quick-Firing (QF) and 2No. 6-pdr QF weapons. During WWI it was armed with 2No. 4.7" QF Mk III guns which were removed in 1928.</p> <p>South Gare was reconstructed for 2No. 6" guns in 1938 and was manned by 117 Coast Battery of 526 Regiment throughout WWII. The surrounding land was heavily defended with numerous anti-invasion defences (see Section 5). The battery was closed and placed under care and maintenance by February 1945.</p> <p>South Gare Battery is not considered to provide a source of UXO hazard to the Site.</p>
<b>9.3 Ground Controlled Interception Radar Station, Seaton Snook</b>
<p>In 1941, a mobile Ground Controlled Interception (GCI) radar station opened at Seaton Snook (NZ 523277), approximately 2.5km northwest of the Site. This was one of a network of GCI stations developed by the Air Ministry to detect, locate and track enemy aircraft and provide inland radar coverage of Britain.</p>

The station comprised arrays of transmitters and receiver aerials mounted on trailers. In 1943 the site was upgraded to a Final station and housed a single rotating aerial array with transmitter equipment stored beneath in an underground well, plus an operations block, a standby set house for reserve power, and a guard hut for the site entrance.

The station was retained by Fighter Command after the WWII and in the early 1950s it was remodelled as part of the Rotor programme to modernise the United Kingdom's radar defences. The station was in use until at least 1958, after which it was subsequently closed and decommissioned. The site is currently used for clay extraction and landfill.

Seaton Snook GCI radar station is not considered to provide a source of UXO hazard to the Site.



## 10 EXPLOSIVE ORDNANCE CLEARANCE ACTIVITIES

Official UK bombing statistics have been compiled from both British and German sources. There were differences in the way the figures were originally reported and collated which has led to discrepancies in the summary data.

Based on data from 1939 to 1945, War Office statistics indicate that 200,195No. HE bombs exploded within Great Britain. Additionally, 25,195No. HE bombs (representing 11%) were recorded as UXBs. However, records from the Royal Engineers who were responsible for bomb disposal at the time indicate that as of 27<sup>th</sup> February 1946 upwards of 45,000No. UXBs were disposed of.

On average 8.5% UXBs later self-exploded. In some cases the bombs had delayed action fuzes or were never intended to explode, their purpose being to cause inconvenience and fear.

Given the discrepancy in records and the fact that UXBs are still being found unexpectedly, it is clear that the original figures are understated and provide only an approximation of the number of potential UXBs in the UK.

War Office statistics also show that between October 1940 and May 1941 most of the UXBs (93%) were either 50kg or 250kg. It should be noted that details of the recovery and the size of the UXB were not always accurately reported.

The larger WWII UXBs are often difficult to recover due to both penetration depths and the presence of two or more fuzes, combined with more sensitive fillings of explosive mixtures including Amatol and Trialen.

### 10.1 Abandoned Bombs

Information received from the DCLG confirms that there are no officially registered abandoned bombs on the Site.

### 10.2 EOC Tasks

Zetica Ltd holds records of the following EOC tasks being carried out in the vicinity of the Site.

#### 26<sup>th</sup> June 1957

1No. 18" naval shell was removed from Acklam Steel Works, Middlesbrough, approximately 6km southwest of the Site.

#### 21<sup>st</sup> March 2008

1No. unexploded mortar was found at a house in Essex Avenue, Grangetown, approximately 3.4km south of the Site. It was removed by a Bomb Disposal Unit (BDS) and subsequently found to be inert.

**2012**

UXO was found in the North Sea during construction work on the Redcar Wind Farm Project, approximately 4km east-northeast of the Site.

The MoD has provided no additional information on official EOC tasks on the Site.

**11 UXO HAZARD**

**11.1 Anticipated Ordnance Types**

When assessing the risk from UXO including UXB, it is important to be aware of ordnance type and function. The following Section briefly describes the main ordnance types that could potentially affect the Site.

**11.1.1 Small Arms Ammunition**

Small Arms Ammunition (SAA) is one of the more recognisable categories of ordnance which is primarily designed for anti-personnel use. SAA include items such as bullets, generally up to a calibre (diameter) of 20mm.

Larger calibre small arms munitions can contain fuze mechanisms and high explosives or pyrotechnic fillings and may have been used for anti-aircraft or anti-vehicle purposes.

Generally small arms ordnance has a relatively low risk as UXO, although the larger calibre categories may have the same detonation risk as larger high explosive ordnance. SAA is often associated with discarded ammunition boxes around firing practice ranges. Plate 12 illustrates some common SAA.

**Plate 12** Photograph of typical WWII small arms ammunition



Source: Google Images

**11.1.2 Hand Grenades**

Hand grenades can be filled with explosives or chemicals and have 3No. main parts, a body, a fuze with a pull ring and a safety-clip assembly. Fragmentation grenades are the most common and have a metal or plastic body filled with an explosive. Most use a burning delay fuze that functions for 3 to 5 seconds after the safety lever is released.

Some, such as smoke grenades, are activated instantly when the lever is released. Plate 13 illustrates the typical character and condition of Mills Type 36 hand grenades that have been excavated from a site.

**Plate 13** Photographs of a typical and an excavated WWII Mills Type 36 hand grenade



Source: Google Images

Source: Zetica Ltd

**11.1.3 Projected Grenades**

Projected grenades are among the most commonly found UXO items, particularly the 40mm type. These contain high explosives and use a variety of fuzes, including some of the most sensitive internal impact-fuzing systems. They are extremely dangerous and can explode if moved or handled.

**11.1.4 Mortars**

A mortar is a short tube designed to fire a projectile at a steep angle. Mortars can range from approximately 50mm to 280mm in diameter and can be filled with explosives, toxic chemicals, white phosphorous or illumination flares. They generally have a thinner metal casing than projectiles, but use the same types of fuzing and stabilisation.

**11.1.5 Shells**

Shells are a projectile containing an explosive charge designed to burst the casing that can contain High Explosives, pyrotechnic compounds or other chemicals.

Shells can be found in a range of sizes, from <20mm to several times this size. The most likely shells to be found on the Site are Small Arms Ammunition (SAA) or UXAA shells that have fallen back to the ground unexploded.

Most commonly used anti-aircraft shells were 2" and 3.7" HE shells.

If fired and found as UXO, shells can offer a particular hazard from accidental detonation as they can have sensitive fuze mechanisms. A fuze is a device which incorporates mechanical, electrical, chemical or hydrostatic components to initiate a train of fire or detonation.

Plate 14 illustrates typical WWII HAA shells and fuze.

**Plate 14** Photographs of typical HAA shells and fuze



Source: Google Images

Source: Google Images

**11.1.6 Incendiary Bombs**

Incendiary Bombs (IBs) ranged from small 1kg thermite filled, magnesium bodied bombs to a 250kg 'Oil Bomb' (OB) and a 500kg 'C300' IB. By far the most common air dropped devices across the UK during WWII were small 1kg to 2kg IBs.

In some cases the IBs were fitted with a very small High Explosive (HE) bursting charge. This exploded after the bomb had been alight for a few minutes causing burning debris to be scattered over a greater area. The C300 bombs were similar in appearance to 500kg HE bombs.

The small amount of HE, if any, and the almost negligible potential for IBs to remain active after more than 65 years in the ground means that these items have very little prospect of causing damage. In the majority of cases if IBs are found in the ground, the incendiary materials have deteriorated to such an extent that they are considered to provide a low UXO hazard level.

However, since magnesium and phosphorus were common components in IBs, some localised chemical contamination may occur where the contents have leached out of the IB into the surrounding soil.

Plate 15 shows a typical variety of fragmentary remains of IBs and 2No. IBs recovered by the Civil Defence during WWII.

**Plate 15** Photographs of typical fragmentary remains of IBs and a UXIB



Source: Swansea Museum



Source: Museum of London

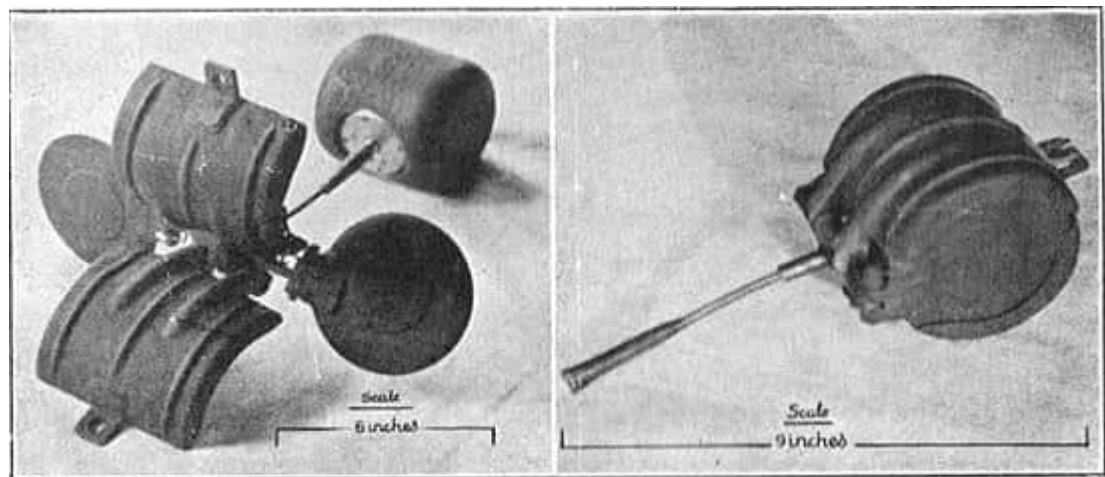
**11.1.7 Anti-Personnel Bombs**

2No. types of Anti-Personnel (AP) bombs were in common use, the 2kg and the 12kg bomb. The 2kg bomb could inflict injury across an area up to 150m away from the impact, within 25m of this, death or fatal injury could occur.

In the majority of cases WWII AP bombs were so sensitive to disturbance that none have been found since WWII as UXAPB and it is considered very unlikely that such an item would be found buried as an UXAPB

Plate 16 shows typical AP ('Butterfly') bombs recovered by the Civil Defence during WWII.

**Plate 16** Photographs of typical AP ('Butterfly') bombs



Source: Smith

**11.1.8 Bombs**

Probably the most common and certainly most publicised UXOs to be found in the UK are bombs. Air dropped bombs, as a result of WWII enemy action, are found on a relatively frequent basis as UXO. They tend to be highly publicised (at least on a local basis) due to the common disruption where an evacuation of the potentially affected area is put in place.

The amount of High Explosive and the potential for a fuze to still be activated means that these devices have the prospect of causing some of the most widespread damage. WWII bombs were particularly sophisticated for their time, with anti-tamper fuzes.

Many German bombs were designed to not explode on impact and instead to cause disruption as a UXB. Some fuzes were set with a delay time of over 70 hours. During this time, an anti-tamper fuze could also be activated to detonate should it be disturbed.

The most commonly used bombs during WWII were the 50kg and 250kg sized general purpose bombs. Less frequently, the 500kg bomb was also used. Larger bombs were used, but so infrequently that any assessment of hazard is more typically based on bombs ranging up to 500kg only.

It should be noted that the June 2008 find of a 1000kg bomb in London, does demonstrate that larger bombs can be found and any risk mitigation measures should consider this.

Plate 17 shows the variety of UXBs recovered by the Civil Defence during WWII.

**Plate 17**

Photograph of a variety of UXBs recovered by the Civil Defence during WWII



Source: Imperial War Museum

**11.1.9 Magnetic Mines**

Magnetic mines are designed to lie at the bottom of relatively shallow water and explode when the earth’s magnetic field become distorted by any large metal object such as a ship coming within range.

Luftwaffe aircraft laying mines on tidal rivers are known to have accidentally dropped magnetic mines on to land. It is unlikely that magnetic mines would remain in the ground as unexploded ordnance as they were approximately 2m long, normally dropped by parachute and were unlikely to penetrate the ground because of this. The same is true for other parachute mines.

**11.1.10 Land Mines**

Wartime activities provide numerous sources of UXO within the land environment. Whilst efforts have been made to clear the known British minefields, it was common for mines to become lost for a variety of reasons and so not recovered. Additionally, such munitions might have been disposed of on an unofficial basis and so no records were kept.

Most of the mined beaches and other land areas in the UK have been cleared by the MoD. Occasionally, wave action or activities such as bombing caused mines to become displaced and these were missed as part of any past clearance activities.

Plate 18 is a photograph of a typical WWII land mine used on the land area, beaches and cliffs around Britain. This example was found at Gatwick Airport formerly RAF Gatwick.

**Plate 18** Photographs of original and recently excavated WWII land mines



Source: Google Images



Source: Zetica Ltd

**13.1.11 Fluvial, Marine and Coastal UXO Hazards**

Wartime activities provide numerous sources of UXO within the fluvial and marine environment. There were extensive mine fields laid by the British to protect the approaches to the River Thames from attack and there were many German air and ship raids to lay mines in the River Thames and shipping lanes.



Clearance certification for UXO within a marine or fluvial environment may be valid only for a limited period because storms, tides and general current movement can cause UXO to migrate into an area that may have been cleared of UXO only hours before. This also makes it very difficult to accurately predict where UXO may be found.

**11.1.12 Canadian Pipe Mines**

Often crudely made, pipe mines were pipes approximately 100mm in diameter and up to 55m long bored roughly horizontal beneath critical infrastructure such as airfield run ways, or angled between ten and thirty degrees into river banks in places where invasion forces may land. The pipes were filled with explosives and usually a sensitive fuzing mechanism. With nitro-glycerine or Polar Blasting Gelignite (PBG) being the primary component, over time, these devices can become increasingly unstable.

**11.1.13 UXO Migration**

It is possible for explosive material, UXO or ordnance scrap to migrate to a site during landfill or dredging operations or other ground works which import Made Ground or natural materials already containing UXO. It is important to understand the nature and age of such landfill or dredging operations when assessing the potential UXO hazard level on the site.

**11.2 Effects and Consequences**

There have been a limited number of recorded incidents in the UK since WWII where bombs have detonated during engineering works, though a significant number of bombs have been discovered. Incidents involving smaller ordnance are, however, relatively common in the UK.

In the UK, there are no recorded incidents since the decade after WWII, of a UXB accidentally detonating. In recent years, bombs have been found that have fuze mechanisms that have started to operate indicating that given the right conditions a UXB may still function.

In June 2008 the UXB uncovered in the Lea Valley caused difficulty to No. 33 Regiment (Explosive Ordnance Disposal) Royal Engineers because the fuze mechanism started to operate. The 1,000kg ‘Hermann’ bomb, the first of this size to be found in over 30 years, took 5 days to deactivate. This demonstrates that larger bombs can be found and any risk mitigation measures should provide the option to deal with this size of device. Since WWII, UXBs have been found on a regular basis in London.

Since WWII, UXBs have been found on a regular basis throughout Britain. Some of the most recent cases are described below.

In May 2009 1No. 50kg WWII bomb was found on a building site in Bexhill-on-Sea, Sussex, and on the 16<sup>th</sup> August 2009, 1No. 250kg WWII bomb was found near Ebberston, North Yorkshire. Both of these were destroyed in controlled explosions by Bomb Disposal Units.

On the 8<sup>th</sup> March 2010 1No. 500kg WWII bomb was found at Bowers Marsh in Essex by Zetica EOC operatives following a Zetica desk study concluding a high risk of UXB on the site.

This led to a detailed geophysical survey being carried out by Zetica to detect targets which could be UXB and thus mitigate the risk to future ground works. Plate 19 is a photograph of the bomb as it was discovered in the ground. The bomb was demolished in situ by members of the Army Royal Logistics Corps (RLC).

**Plate 19** | Photograph of the 500kg WWII UXB at Bowers Marsh, 8<sup>th</sup> March 2010



Source: Zetica Ltd

On the 23<sup>rd</sup> February 2011, 1No. WWII UXB was found on a building site in Notte Street in Plymouth City centre. The bomb was removed by EOD personnel and demolished at sea.

On the 22<sup>nd</sup> July 2012, a landslip in the cliffs at Mappleton in the East Riding of Yorkshire exposed over 1,000No. UXO items, including practice bombs, mortars, rockets, shells and grenades. The cliff was part of a former bombing and artillery range, used during WWII and until the 1970s.

UXO items were removed by Explosive Ordnance Disposal (EOD) officers from Catterick and MoD staff from Leconfield. 15No. controlled explosions were undertaken by the Royal Engineers (RE) to detonate the more volatile items in situ, while other less hazardous UXO devices were left in place to be dealt with at a later date.

Plate 20 is a photograph of some of the UXO exposed by the landslip at Mappleton.

**Plate 20** | Photograph of exposed UXO at Mappleton, 22<sup>nd</sup> July 2012



Source: Daily Mail

1No. WWI bomb (Plate 21) was found on the Isle of Sheppey on the 2<sup>nd</sup> August 2012 during a geophysical survey following desk study research by Zetica Ltd. which had established that a previously unknown WWI bombing range existed on the site.

**Plate 21** | Photograph of WWI bomb, Isle of Sheppey, 2<sup>nd</sup> August 2012



Source: Zetica Ltd

There is a long list of incidents during construction work in Germany that in some cases have led to the deaths of workers.

In January 2014 1No. worker was killed and 2No. others were critically injured when a digger accidentally struck a buried WWII bomb during excavation work in Euskirchen, Germany.

In June 2010, 3No. members of a bomb disposal team were killed, and 6No. others injured, whilst attempting to defuze an unexploded WWII bomb in Goettingen, Central Germany.

The bomb, the second found in Goettingen in the space of a few days, was unearthed at a depth of 7.5m during excavations for a sports stadium.

In September 2008, 17No. people were injured and considerable damage occurred to adjacent buildings when a bomb exploded on a construction site in Hattingen, Germany.

In October 2006 during road works on a motorway near Aschaffenburg in Bavaria, southern Germany, a bomb was struck by a machine and detonated. The plant driver was killed and 5No. others injured, including passing motorists.

In a similar incident in October 2004 in Linz, Austria a bomb exploded injuring 3No. workers and causing considerable damage to plant. In the same month, a WWII bomb under a back garden in Vienna, Austria, was detonated without warning by a minor earth tremor, after remaining undiscovered for over 60 years.

Further details of similar finds can be found at [www.zetica.com/uxb\\_downloads.htm](http://www.zetica.com/uxb_downloads.htm)

The effects of a partial or full detonation of ordnance are usually shock, blast, heat and shrapnel damage. A 50kg buried bomb can damage brick / concrete structures up to a distance of approximately 16m away. Unprotected personnel on the surface up to 70m away from the blast could also be seriously injured. Larger ordnance would obviously be more destructive.

Explosives rarely lose effectiveness with age, although over time mechanisms such as fuzes and gains can become more sensitive and therefore more prone to detonation, regardless of whether the device has been submersed in water or embedded in silt, clay or similar materials.

The effects of a detonation of explosive ordnance are usually extremely fast, often catastrophic and invariably traumatic to any personnel involved.

## 12 RISK ASSESSMENT

It is understood that planned works on the Site may include intrusive ground investigations, excavations, dredging and piling.

### 12.1 UXO Hazard Level

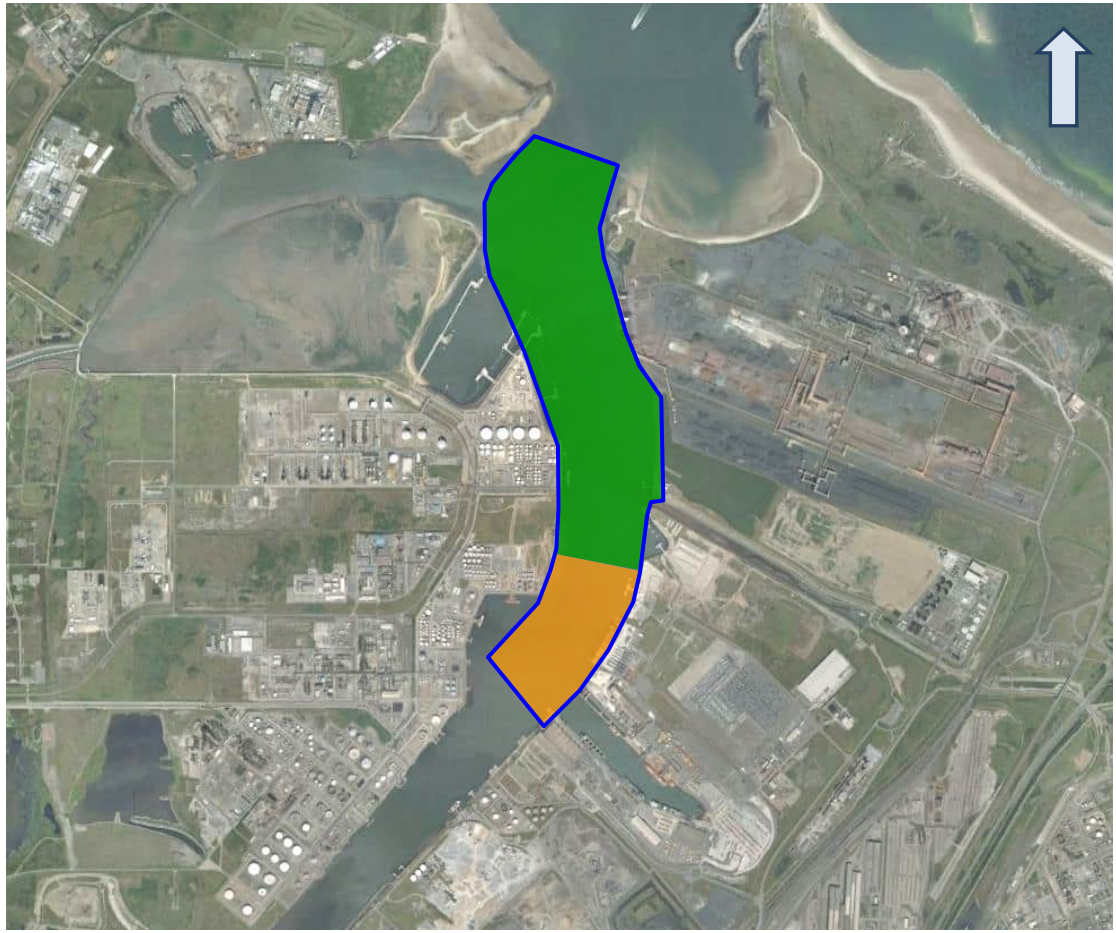
There is evidence of HE bombs falling on parts of the Site during WWII, particularly in the vicinity of Teesport. It is considered possible that UXB could have fallen undetected into the River Tees in these areas.

Where post-war dredging of the river channel has not been to a depth greater than the maximum estimated average bomb penetration, the UXO hazard level is considered to be moderate.

For the remainder of the Site, where bombing was less significant or post-war dredging has been to greater depths, the UXO hazard level is considered to be low.







The UXO hazard level can be zoned from low to moderate, as shown in Figure 9.

**Figure 9** UXO hazard zone plan of the Site



Source: Google Earth

Not to Scale

<b>Legend</b>	Very Low		Low		Moderate	
	High		Very High		Site boundary	

## 12.2 Risk Management Recommendations

It is considered prudent to ensure that all staff have an awareness of the UXO hazard through the Site induction process. This will ensure that appropriate action is taken in the event that a suspect item is uncovered.

For excavations in the moderate UXO hazard level areas, non-intrusive investigation methods, if practical, and Explosive Ordnance Clearance (EOC) Operative supervision is considered prudent. Clearance certification for borehole or pile locations is considered essential, where practicable, if required.

In areas with a low UXO hazard level, clearance certification for borehole or pile locations is considered prudent only if a zero tolerance to risk is adopted. Zero tolerance is commonly adopted for sites that have safety critical infrastructure, such as nuclear establishments and oil refineries.

Other risk mitigation will depend on the detail and nature of any planned works and the client's risk tolerance. Table 8 in the main report gives recommended actions in relation to the potential UXO hazard level and the anticipated Site activity.

Further advice on the mitigation methods can be provided by Zetica on request.

It is recognised that the act of drilling or piling on or very near a UXB increases the risk of detonation. This risk is moderated by the fact that a UXB, if one exists, has lain in the ground for over 65 years and may not function in any event. However, the potentially severe consequences of a UXB exploding, requires appropriate risk mitigation measures to be taken.

Accidental detonation of a UXB during shallow excavation works is considered to be a lower risk than when drilling or piling as any item should be identified by a qualified EOC banksman before repeated disturbance initiates it's functioning. Deeper excavations may need a more considered approach.

The MagCone or MagDrill UXB detection techniques advance a magnetometer by probing or drilling (depending on geology) into the ground in advance of a borehole or pile. The magnetometer is capable of detecting large ferrous metal objects such as UXB. If no objects comparable to a UXB are detected, then the borehole or pile position is considered clear of UXB.

It should be noted that MagCone or MagDrill UXB detection techniques may be ineffectual due to magnetic anomalies in areas containing closely spaced metal driven piles, reinforced cast in-situ piles or ferrous rail tracks. The same is true for use in fill material and Made Ground with a high ferrous metal content.

Table 8		Risk mitigation for assumed Site activities			
Hazard Level	Typical Future Activity on the Site				
	None	Shallow Excavations or Dredging (<1.0m)	Deep Excavations or Dredging (>1.0m)	Boreholes or Pile Construction	
Very low	Ensure suitable records and procedures are in place to highlight the risk should future development be planned.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted.  Appropriate action is required to be detailed within site procedures.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted.  Appropriate action is required to be detailed within site procedures.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted.  Appropriate action is required to be detailed within site procedures.	
Low	As very low.	As very low.  + It is considered prudent to include some UXO awareness training in site inductions.	As very low.  + It is considered prudent to include some UXO awareness training in site inductions.	As for excavations.  +Clearance certification for borehole or pile locations would be considered prudent only if a zero tolerance to risk is adopted.	
Moderate	As very low.	As very low.  +Non-intrusive investigation methods considered prudent where practical.  +EOC Operative supervision is considered prudent.	As very low.  +Non-intrusive investigation methods considered prudent where practical.  +EOC Operative supervision is considered prudent.	As for excavations.  +Clearance certification for borehole or pile locations would be considered essential.	
High	As very low.	As moderate.  +Non-intrusive investigation methods considered essential where practical.	As moderate.  +Non-intrusive investigation methods considered essential where practical.  + EOC operative supervision is considered essential.	As moderate.	
Very High	Requires immediate or special attention.	Requires immediate or special attention.	Requires immediate or special attention.	Requires immediate or special attention.	

The above table is for guidance only. Hazard levels are defined in Appendix 2.



<b>Appendices</b>	
<b>Appendix 1 Abbreviations</b>	
AA	Anti-Aircraft
ACPO	Association of Chief Police Officers
AFU	Advanced Flying Unit
AI	Airborne Interception
ALARP	As Low As Reasonably Practicable
ANS	Air Navigation School
ARP	Air Raid Precaution
ASACS	Air Surveillance and Control System
ASV	Air to Surface
AXO	Abandoned Explosive Ordnance
BD	Bomb Disposal
BDO	Bomb Disposal Officer
BDU	Bomb Disposal Unit
BEF	British Expeditionary Force
CB	County Borough
CBRN	Chemical, Biological, Radiological and Nuclear
CFS	Central Flying School
CMD	Conventional Munitions Disposal
DCLG	Department of Communities and Local Government
DSDA	Defence Storage and Distribution Agency
EFS	Empire Flying School

EFTS	Elementary Flying Training School
EO	Explosive Ordnance
EOC	Explosive Ordnance Clearance
EOR	Explosive Ordnance Reconnaissance
ERW	Explosive Remnants of War
ESA	Explosive Substances and Articles
FFE	Free From Explosives
FIDO	Fog Intensive Dispersal Operation
FITS	Flying Instructors Training School
FTS	Flying Training School
GCHQ	Government Communications Headquarters
GCI	Ground Control Intercept
HAA	Heavy Anti-Aircraft
HCU	Heavy Conversion Unit
HE	High Explosive
HMEF	His/Her Majesty's Explosives Factory
HMFF	His/Her Majesty's Filling Factory
HQ	Head Quarters
HSE	Health and Safety Executive
JSEODOC	Joint Services EOD Operations Centre
IB	Incendiary Bomb
ICBM	Inter-Continental Ballistic Missile
IED	Improvised Explosive Device

IEDD	Improvised Explosive Device Disposal
IRBM	Intermediate Range Ballistic Missile
LAA	Light Anti-Aircraft
LB	London Borough
MAP	Ministry of Aircraft Production
MB	Municipal Borough
MC	Maintenance Command
MCA	Maritime Coastguard Agency
MoD	Ministry of Defence
MMU	Mobile Meteorological Unit
MU	Maintenance Unit
NATO	North Atlantic Treaty Organisation
NSF	National Shell Factory
NTS	Not to Scale
OCU	Operational Conversion Unit
OTU	Operational Training Unit
POW	Prisoner of War
PTC	Personnel and Training Command
PUCA	Pick Up and Carry Away
RAF	Royal Air Force
RASC	Royal Army Service Corps
RD	Rural District
RDX	Research Development Explosive

RE	Royal Engineers
REME	Royal Electrical and Mechanical Engineers
RFC	Royal Flying Corps
RLG	Relief Landing Ground
ROC	Royal Observer Corps
ROF	Royal Ordnance Factory
RRE	Royal Radar Establishment
SAS	Special Air Service
SI	Secret Installation
SIP	Self Igniting Phosphorous
SLG	Satellite Landing Ground
SOE	Special Operations Executive
SOS	Services of Supply
STC	Strike Command
TA	Territorial Army
TEP	Time Expired Pyrotechnics
TFU	Telecommunications Flying Unit
TRE	Telecommunications Research Establishment
UD	Urban District
UKHO	United Kingdom Hydrographic Office
UKWMO	United Kingdom Warning and Monitoring Organisation
USAF	United States Air Force
USAAF	United States Army Air Force

UXB	Unexploded Bomb
UXO	Unexploded Ordnance
WWI	World War One
WWII	World War Two

<b>Appendix 2 Glossary &amp; Definitions</b>	
<b>Abandoned Explosive Ordnance (AXO)</b>	Abandoned Explosive Ordnance is explosive ordnance that has not been used during an armed conflict, that has been left behind or disposed of by a party to an armed conflict, and which is no longer under control of that party. Abandoned explosive ordnance may or may not have been primed, fuzed, armed or otherwise prepared for use.
<b>Camouflet</b>	The type of cavity produced when a charge explodes underground without breaking the surface of the earth to form a crater.
<b>Conflagration</b>	A very large self-sustaining destructive fire.
<b>Dannert Wire</b>	Barbed wire in the form of a coil which could be extended concertina-like to form a barrier to impede the movement of hostile troops.
<b>Deflagration</b>	The fast and violent burning of an energetic material (as opposed to detonation).
<b>Demil</b>	Derived from the term 'Demilitarisation', it refers to the break down and the recycling or disposal of ordnance components.
<b>Detonation</b>	The high-speed chemical breakdown of an energetic material producing heat, pressure, flame and a shock wave.
<b>Device</b>	This term is used for any component, sub-assembly or completed ordnance, which may or may not have an explosive risk. It can apply to detonators, primers, gaines, fuzes, shells or bombs.
<b>Explosive</b>	The term explosive refers to compounds forming energetic materials that under certain conditions chemically react, rapidly producing gas, heat and pressure. Obviously, these are extremely dangerous and should only be handled by qualified professionals.
<b>Explosive Ordnance (EO)</b>	Explosive Ordnance is all munitions containing explosives, nuclear fission or fusion materials and biological and chemical agents. This includes bombs and warheads, guided and ballistic missiles, artillery, mortar, rocket, small arms ammunition, mines, torpedoes, depth charges, pyrotechnics, cluster bombs & dispensers, cartridge & propellant actuated devices, electro-explosive devices, clandestine & improvised explosive devices, and all similar or related items or components explosive in nature.

<b>Explosive Ordnance Clearance (EOC)</b>	Explosive Ordnance Clearance is a term used to describe the operation of ordnance detection, investigation, identification and removal, with EOD being a separate operation.
<b>Explosive Ordnance Disposal (EOD)</b>	Explosive Ordnance Disposal is the detection, identification, on-site evaluation, rendering safe, recovery and final disposal of unexploded explosive ordnance.
<b>Explosive Ordnance Reconnaissance (EOR)</b>	Explosive Ordnance Reconnaissance is the detection, identification and on-site evaluation of unexploded explosive ordnance before Explosive Ordnance Disposal.
<b>Explosive Remnants of War (ERW)</b>	Explosive Remnants of War are Unexploded Ordnance (UXO) and Abandoned Explosive Ordnance (AXO), excluding landmines.
<b>Explosive Substances and Articles (ESA)</b>	<p>Explosive substance are solid or liquid substance (or a mixture of substances), which is either:</p> <ul style="list-style-type: none"> <li>• capable by chemical reaction in itself of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings.</li> <li>• designed to produce an effect by heat, light, sound, gas or smoke, or a combination of these as a result of a non-detonative, self-sustaining, exothermic reaction.</li> </ul> <p>Explosive article is an article containing one or more explosive substances.</p>
<b>Firing Template</b>	The 'template' is the area of a firing range (sea or land) that ordnance is fired into. This is an area usually monitored by the MoD Police and/or Coast Guard to prevent non-authorized persons or vessels straying into the area.
<b>Fuze</b>	A fuze is the part of an explosive device that initiates the main explosive charge to function. In common usage, the word fuze is used indiscriminately, but when being specific (and in particular in a military context), fuze is used to mean a more complicated device, such as a device within military ordnance.
<b>Gain</b>	Small explosive charge that is sometimes placed between the detonator and the main charge to ensure ignition.

<b>Geophysical survey</b>	A geophysical survey is essentially a range of methods that can be used to detect objects or identify ground conditions without the need for intrusive methods (such as excavation or drilling). This is particularly suited to ordnance as disturbance of ordnance items is to be avoided where ever possible.
<b>Gold line</b>	This is the estimated limit of blast damage from an explosive storage magazine. It usually means that development within this zone is restricted.
<b>High Explosive</b>	Secondary explosives (commonly known as High Explosives (HE)) make up the main charge or filling of an ordnance device. They are usually less sensitive than primary explosives. Examples of secondary explosives are: Nitro glycerine (NG), Trinitrotoluene (TNT), AMATOL (Ammonia nitrate + TNT), Gunpowder (GP), and Cyclotrimethylenetrinitramine (RDX).
<b>Inter-Continental Ballistic Missile</b>	An intercontinental ballistic missile, or ICBM, is a very long-range (greater than 5,500km or 3,500 miles) ballistic missile typically designed for nuclear weapons delivery, that is, delivering one or more nuclear warheads.
<b>Luftflotte</b>	German military air force squadron.
<b>MagCone</b>	MagCone is a method by which ordnance (or other similar metallic items) can be detected at significant depths. This is conducted by the use of a specialised probe. The probe contains a sensitive magnetometer that is pushed into the ground. The magnetometer is able to detect items such as buried ordnance and thus advise on clear routes for drilling, piles, deep excavation or alike.
<b>MagDrill</b>	Similar technique to MagCone, but utilises an augering or drilling (rather than probing) technique to advance the magnetometer into the soil.
<b>Munition</b>	<p>Munition is the complete device charged with explosives, propellants, pyrotechnics, initiating composition, or nuclear, biological or chemical material for use in military operations, including demolitions. This includes those munitions that have been suitably modified for use in training, ceremonial or non-operational purposes. These fall into three distinct categories:-</p> <ul style="list-style-type: none"> <li>• inert - contain no explosives whatsoever.</li> <li>• live - contain explosives and have not been fired.</li> <li>• blind - have fired but failed to function as intended.</li> </ul>



<b>Primary Explosive</b>	<p>Primary explosives are usually extremely sensitive to friction, heat, and pressure. These are used to initiate less sensitive explosives. Examples of primary explosives are: Lead Azide, Lead Styphnate, and Mercury Fulminate. Primary explosive are commonly found in detonators.</p>
<b>Propellants</b>	<p>Propellants provide ordnance with the ability to travel in a controlled manner and deliver the ordnance to a predetermined target. Propellants burn rapidly producing gas, pressure and flame. Although usually in solid form they can be produced in liquid form. Examples of propellants are: Ballistite often found in a flake form and Cordite used in small arm ammunition.</p>
<b>Pyrotechnic</b>	<p>A pyrotechnic is an explosive article or substance designed to produce an effect by heat, light, sound, gas or smoke, or a combination of any of these, as a result of non-detonative, self-sustaining, exothermic chemical reactions.</p>
<b>Unexploded Ordnance (UXO)</b>	<p>UXO is explosive ordnance that has been either primed, fuzed, armed or prepared for use and has been subsequently fired, dropped, launched, projected or placed in such a manner as to present a hazard to operations, persons or objects and remains unexploded either by malfunction or design.</p>
<b>V1 Rocket</b>	<p>The Vergeltungswaffe-1, V-1, also designated Fieseler Fi 103/FZG-76, known colloquially in English as the Flying Bomb, Buzz Bomb or Doodlebug, was the first guided missile used in WWII and the forerunner of today's cruise missile.</p>
<b>V2 Rocket</b>	<p>The Vergeltungswaffe 2 (V-2) ('Reprisal Weapon 2') was the first ballistic missile. It was used by the German Army primarily against Belgian and British targets during the later stages of WWII. The V-2 was the first man-made object launched into space, during test flights that reached an altitude of 189km (117 miles) in 1944.</p>

Definitions of UXO Hazard Level for a Site	
Hazard Level	Definition
Very Low	There is positive evidence that UXO is not present, e.g. through physical constraints or removal.
Low	There is no positive evidence that UXO is present, but its occurrence cannot be totally discounted.
Moderate	There is positive evidence that ordnance was present and that other uncharted ordnance may be present as UXO.
High	There is positive evidence that UXO is present.
Very High	As high, but requires immediate or special attention due to the potential hazard.

### Appendix 3 Bibliography

- Airfield Research Group, Munitions 1915 – 1919, Airfield Research Publishing, June 1996
- Birtles P, World War 2 Airfields, 1999
- Bodleian Library, German Invasion Plans for the British Isles 1940, 2007
- Bulloch G, Steeds J E , Green K, Sainsbury M G, Brockwell J S & Slade N J, Land Contamination: Technical Guidance on Special Sites: MoD Land
- Bulloch G, Steeds J E, Green K, Sainsbury M G, Brockwell J S, & Slade N J, R&D Technical Report P5-042/TR/03, Land Contamination: Technical Guidance on Special Sites: Explosives Manufacturing & Processing Sites
- Chorlton M, Airfields of North-East England in the Second World War, 2005
- Christopher J, Balloons at War, 2004
- CIRIA, Unexploded Ordnance (UXO), a Guide for the Construction Industry, 2009
- Clarke N J, Luftwaffe Target Reconnaissance, German aerial Photography 1939-1942, 1995
- Cocroft W D, Dangerous Energy, 2000
- Cocroft W D & Thomas R J, Cold War, 2003
- Collier B, The Defence of the United Kingdom, 1957
- Cooksley P G, Royal Flying Corps Handbook 1914-1918, 2007
- Deichmann P, The System of Target Selection Applied by the German Air Force in World War II, Vol 1, USAF Historical Studies: No. 186. Sunflower University Press, Kansas, USA, 200pp., 1956
- Deichmann P, The System of Target Selection Applied by the German Air Force in World War II, Vol 2, USAF Historical Studies: No. 186. Sunflower University Press, Kansas, USA, 225pp., 1956
- Delve K, The Military Airfields of Britain: Northern England, 2006
- Department of the Environment, Sampling Strategies for Contaminated Land, Department of the Environment: Contaminated Land Research Report, CLR Report No. 4, 1994.
- Dobinson C S, Twentieth Century Fortifications in England, Volume I 1, Anti-aircraft artillery, England's air defence gun sites. 1914 – 46. Council for British Archaeology, 1996
- Dobinson C S, Twentieth Century Fortifications in England, Volume I 2, Anti-aircraft artillery, Site gazetteer, WWI. Council for British Archaeology, 1996
- Dobinson C S, Twentieth Century Fortifications in England, Volume I. 3. Anti-aircraft artillery, 1914-46, Site gazetteer, WWII HAA & ZAA. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Volume I 4, Anti-aircraft artillery, Site gazetteer, WWII LAA. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Volume I 5, Anti-aircraft artillery, Sources. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Volume II, Anti-invasion defences of WWII. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Volume III, Bombing decoys of WWII, England's passive air defence 1939-45. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Volume VIII, Civil defence in WWII, Protecting England's Civil Population. Council for British Archaeology, 1996

Dobinson C S, Twentieth Century Fortifications in England, Supporting paper AA/1 Searchlight sites in WWII. Council for British Archaeology, 1996

Dobinson C S, Fields of Deception, Britain's Bombing Decoys of World War II, 2000

Dobinson C S, AA Command, 2001

Evans M, Forrest H, Haynes D, Young R, Draper R, Sarangi J & Murray V, Discovery of WWII Special Incendiary Phosphorous (SIP) Grenades in a Wiltshire garden, Chemical Hazards and Poisons Report, 2007

Fegan T, The Baby Killers, 2002

Ferguson C C, The statistical basis for spatial sampling of contaminated land, Ground Engineering, Vol 25, No 5, June 1992, pp. 34-38.

Forty G, British Army Handbook 1939-1945, 2006

Front Line 1940-41, The Official Story of the Civil Defence of Britain, 1942

Groves C, The Home Guard of Britain, 1943

Halpenny BB, Action Stations 4: Military Airfields of Yorkshire, 1982

Home Guard Manual, 1941

Innes G B, British Airfields of the Second World War, 1995

McCamley N J, Secret Underground Cities, 1998

McCamley N J, Secret History of Chemical Warfare, 2006

McCamley N J, Cold War Secret Nuclear Bunkers, the Passive Defence of the Western World During the Cold War, 2007

Ministry of Defence JSP 364, Joint Service EOD Manual

Morris J, German Air Raids on Britain 1914-1918, 1993

Norman B, Wartime Teesside, 1989

Norman B, Wartime Teesside Revisited, 2004

Norman B, Air Raid Diary: The Luftwaffe Attacks on Tees-side, 1940-1943, 2010

Osborne M, Defending Britain, Twentieth-Century military structures in the landscape, 2004

Otter P, Yorkshire Airfields in the Second World War, 2003

Price A, Blitz on Britain 1939-45, 2000

Ramsey W, The Blitz Then and Now, Vol 1, 1987

Ramsey W, The Blitz Then and Now, Vol 2, 1988

Ramsey W, The Blitz Then and Now, Vol 3, 1990

Rawson A, British Army Handbook 1914-1918, 2006

Smith D J, Britain's Military Airfields 1939-45, 1989

Tees Archaeology, The Home Front: Teesside Defences During World War Two, 2006

Tucker J B, War of Nerves, 2006

Westlake R, The British Army of August 1914, 2005









Williamson G, Luftwaffe Handbook 1935-1945, 2006

Wyatt J R, Unexploded Bombs (UXB) in the Thames Marshes, 2000

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sitesafe



**Project no:** P1297-08  
**Project title:** SITESAFE UXB DESK STUDY  
**Project location:** Teesport, Middlesbrough  
**Client:** Royal Haskoning UK Ltd  
**Report ref.:** P1297/08/R1/B  
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<b>CONTENTS</b>		<b>Page</b>
<b>1</b>	<b>INTRODUCTION</b>	<b>4</b>
1.1	Project Outline	
1.2	Site Descriptions	
<b>2</b>	<b>SOURCES OF INFORMATION</b>	<b>10</b>
2.1	Zetica Defence Related Site Records	
2.2	Zetica Bombing Density Records and Maps	
2.3	Ministry of Defence Records	
2.4	Other Historical Records, Maps and Drawings	
2.5	Local Authority Records	
2.6	Local Record Offices and Libraries	
2.7	Local Historical and Other Groups	
2.8	Maritime Records	
<b>3</b>	<b>HISTORICAL INFORMATION</b>	<b>11</b>
3.1	Pre-1919 history	
3.2	Inter-war history	
3.3	Post-WWII development	
3.4	WWI Bombing	
3.5	WWII Bombing	
3.6	Bombing Density and Incidents	
<b>4</b>	<b>ABANDONED BOMBS AND EOC TASKS</b>	<b>32</b>
4.1	Abandoned Bombs	
4.2	EOC Tasks	
<b>5</b>	<b>UXB HAZARD</b>	<b>33</b>
5.1	Anticipated Ordnance Types	
5.2	Geology and Bomb Penetration Depths	
5.3	UXB effects and consequences	
<b>6</b>	<b>RISK ASSESSMENT &amp; RECOMMENDATIONS</b>	<b>37</b>

## 6.1 Risk Management

### Appendices

Appendix 1 Abbreviations and Glossary

Appendix 2 References

Appendix 3 General notes

### Figures, Plates & Tables

Figure 1 Regional Site location plan

Figure 2 Detailed Site location plan

Figure 3 Historical map 1919

Figure 4 Historical map 1925

Plate 1 Contemporary aerial photograph of the southern area of the Site

Plate 2 Contemporary aerial photograph of the North Gare Sands area of the Site

Plate 3 Aerial photograph of river Tees, 1946

Plate 4 Photograph of Smith Docks Company shipyards 1940s

Plate 5 Photograph of Bran Sands decoy site, 1948

Table 1 Locations of decoy sites for Middlesborough

Table 2 HAA gun emplacements

Table 3 Bombing statistics

Table 4 Estimated bomb penetration depths

Table 5 Risk mitigation for typical site activities

## SITESAFE UXB DESK STUDY

### Teesport, Middlesbrough

#### Executive Summary

Zetica was commissioned by Haskoning UK Ltd to carry out a Sitesafe Unexploded Bomb (UXB) Desk Study for a site comprising of 5 areas at Teesport, Middlesbrough (the 'Site'). The aim of this report is to gain a fair and representative view of the UXB hazard for the Site.

- Zetica researched the bombing history for the Sites and the surrounding areas. This research was based on records of bombing during both World Wars.
- A number of Zeppelin and aircraft raids took place over the North East during World War One (WWI). There are no records of the Sites being bombed during WWI.
- During World War Two (WWII), the 5 areas of the Site were situated on tidal sand/mud flats either side of the river Tees and were not direct targets for bombing.
- Nearby strategic targets during WWII included iron and steel works, shipbuilding yards and chemical plants that were targets for bombing.
- A QF/QL bombing decoy site was located on Seal Sands approximately 2km southwest of the North Gare Sands area of the Site and 2km northwest of the Vopak/Simon area of the Site. The decoy is recorded as being bombed at least twice.
- A QF/QL and Q/K bombing decoy on the southern side of the Tees was 0.6km southeast of the Northern Gateway and Bran Sands areas of the Site. No records have been found to indicate that this decoy was bombed, although it is likely that bombs fell in the vicinity.
- Given the density of WWII bombing and indications of damage in the area, the overall risk of a potential UXB being present at the Site is considered as being low.

Recommended actions in relation to the perceived risk of UXB to anticipated site activities are provided in Section 6. The actual mitigation required will depend on the nature of the planned works. Further advice on mitigation strategy will be provided by Zetica on request.

## **1 INTRODUCTION**

### **1.1 Project Outline**

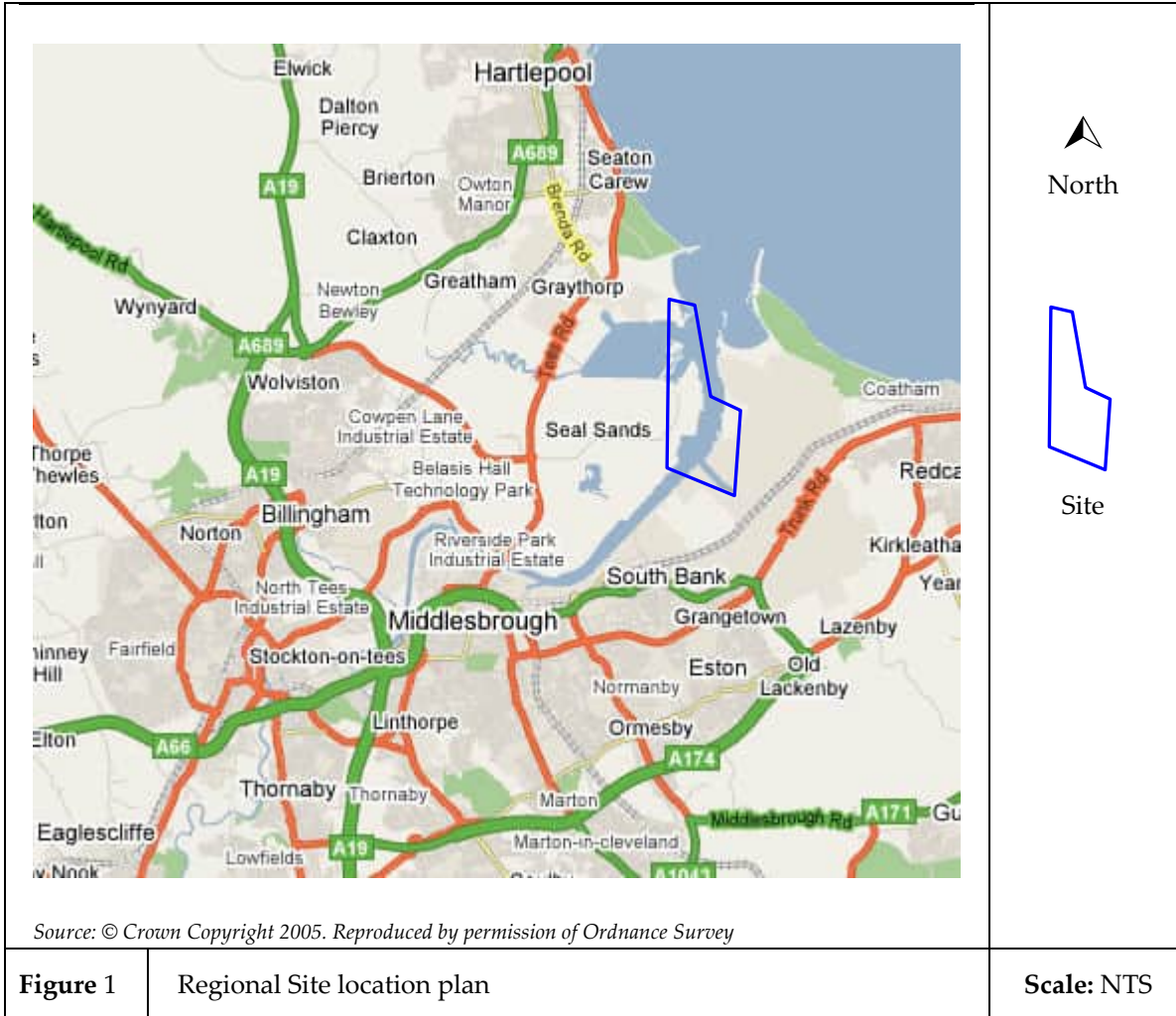
Zetica was commissioned by Haskoning UK Ltd to carry out a Sitesafe Unexploded Bomb (UXB) Desk Study for a site comprising of 5 areas at Teesport, Middlesbrough (the 'Site'). The aim of this report is to gain a fair and representative view of the UXB hazard for the Site including:

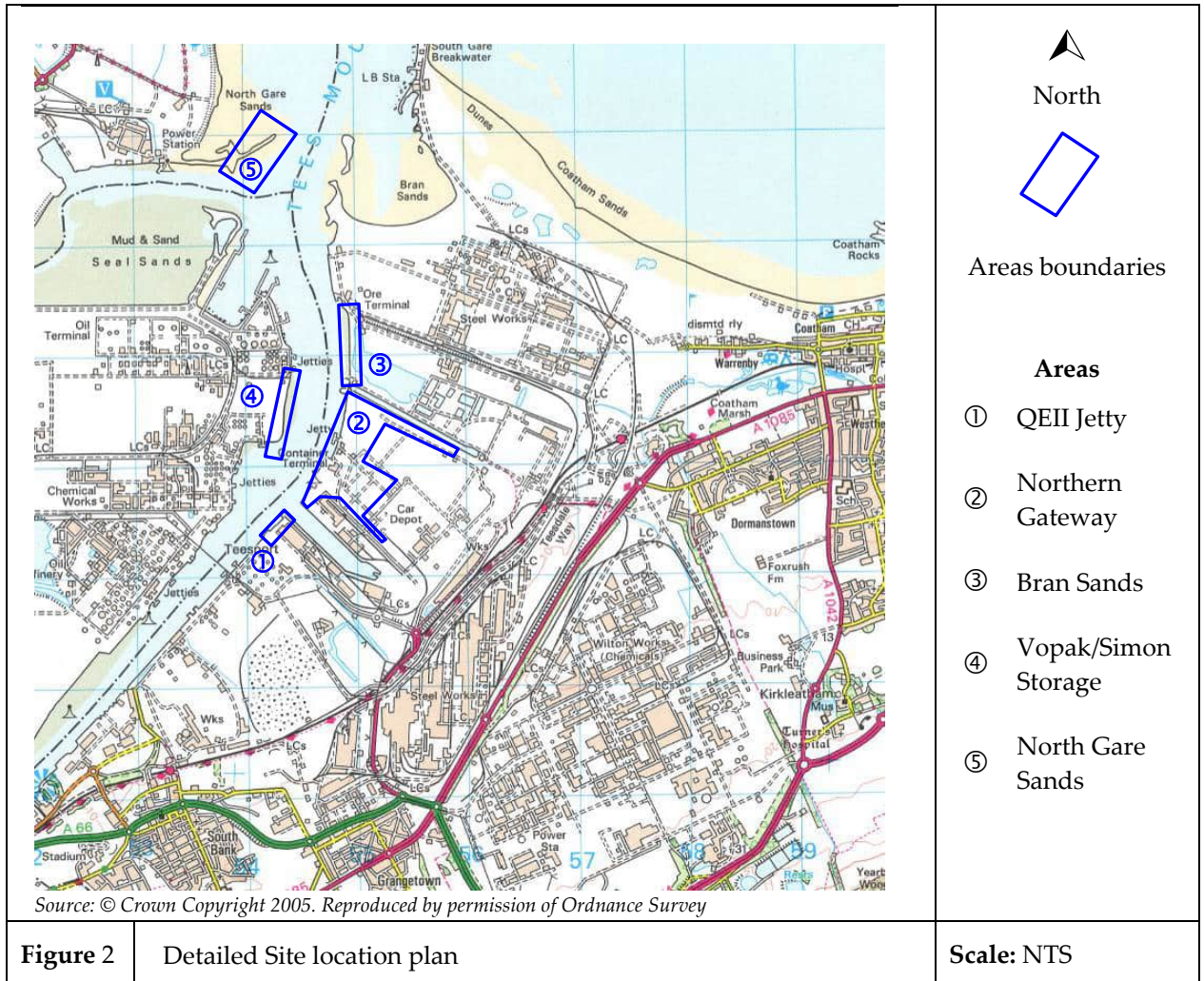
- Identifying the likely locations of UXB (if any).
- Identifying the most likely types of UXB to be present and their hazards.
- Providing input for future method statements and risk assessments.

### **1.2 Site Descriptions**

The Site is divided into 5 areas located on either side of the river Tees, approximately 7km northeast of the centre of Middlesbrough. The Site is centred on National Grid Reference (NGR) NZ555241. A regional Site location plan is provided in Figure 1 with a more detailed plan showing the individual areas of the Site included as Figure 2.







A description of the 5No. individual areas of the Site follows.

### 1.2.1 QEII Jetty

Approximately 3 hectares (ha) in size, the QEII Jetty area of the Site (NZ544235) is located on the south bank of the river Tees and covers an area of the water front on the northwest corner of Tees Dock.

### 1.2.2 Northern Gateway

Approximately 70ha in size, the Northern Gateway area of the Site (NG550240) is located on the south side of the river Tees, bounded to the northeast by Dabholm Gut and to the southwest by Tees Dock. The southeastern boundary is irregularly along Dabholm Gut and Tees Dock.



### **1.2.3 Bran Sands**

Approximately 14ha in size, the Brand Sands area of the Site (NZ550250) is located on the water front to the west of a lagoon. It is adjacent to the Redcar Ore Terminal and Steel Works.

### **1.2.4 Vopak/Simon Storage**

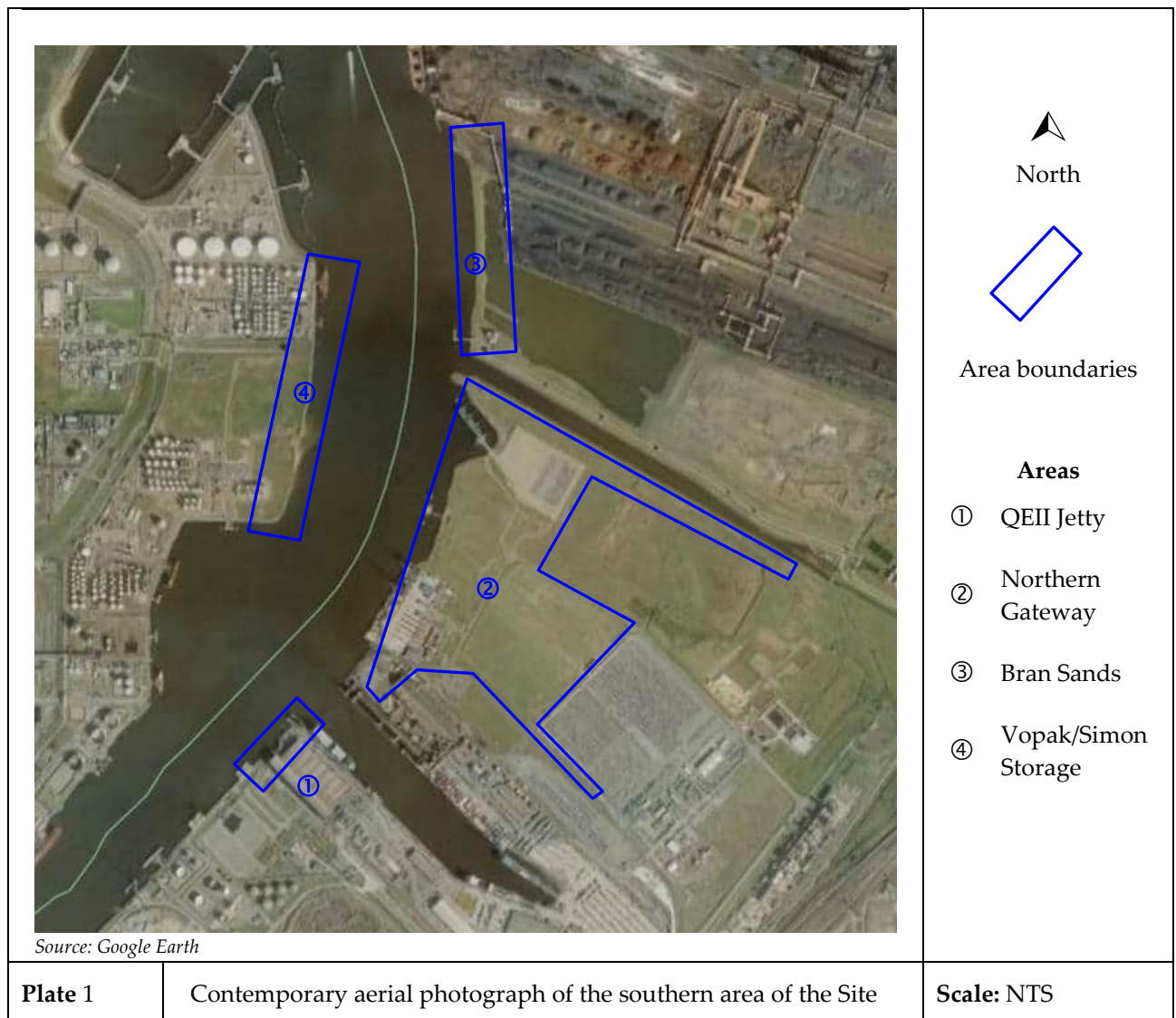
Approximately 18ha in size, the Vopak/Simon Storage area of the Site (NZ544245) is located on the foreshore and reclaimed land in front of chemical works and an oil terminal.

### **1.2.5 North Gare Sands**

Approximately 27.8ha in size, the North Gare Sands area of the Site (NZ543267) is located on an undeveloped area of the shore at Tees Mouth on the north side of Greatham Creek and south of North Gare Breakwater.

Plate 1 shows a contemporary aerial photograph of the southern area of the Site.





Source: Google Earth

Plate 2 is a contemporary aerial photograph of North Gare Sands area of the Site, on the north side of Greatham Creek. The buildings form part of an ICI acid works.



		<p> North</p> <p> North Gare Sands area</p>
<p><b>Plate 2</b></p>	<p>Contemporary aerial photograph of the North Gare Sands Area of the Site</p>	<p><b>Scale:</b> NTS</p>

Source: Google Earth

## **2 SOURCES OF INFORMATION**

Zetica researched the bombing history of the Site and its surrounding area utilising a range of information sources. The main sources of information are detailed in the following Sections and referenced at the end of this report.

### **2.1 Zetica Defence Related Site Records**

Zetica's in-house records were consulted, including reference books, and archived materials from past work in the region. Relevant documents have been cited within the Reference Section of this report.

### **2.2 Zetica Bombing Density Records and Maps**

Reference has been made to the Zetica bomb risk maps located on Zetica's website ([www.zetica.com/uxb\\_downloads.htm](http://www.zetica.com/uxb_downloads.htm)).

### **2.3 Ministry of Defence Records**

The Ministry of Defence (MoD) was approached for information on explosive ordnance clearance (EOC) activities and evidence of abandoned bombs.

### **2.4 Other Historical Records, Maps and Drawings**

Numerous other reference documents, historical maps, and drawings have been consulted, including such sources from the National Archives and English Heritage. These have been referenced as appropriate within this report.

### **2.5 Local Authority Records**

Information has been sought from Middlesbrough Council and Redcar & Cleveland Borough Council.

### **2.6 Local Record Offices and Libraries**

Teesside Archives, Middlesbrough Archive, and North Yorkshire Archive at Northallerton were consulted.

### **2.7 Local Historical and Other Groups**

Contact was made with various historical groups including the Cleveland and Teesside Local History Society. Use has been made of local history websites.

### **2.8 Maritime Records**

The Tees and Hartlepool Port Authorities have been contacted along with the Admiralty to ascertain whether any known UXO hazards are present in the waters around the Site.

### 3 HISTORICAL INFORMATION

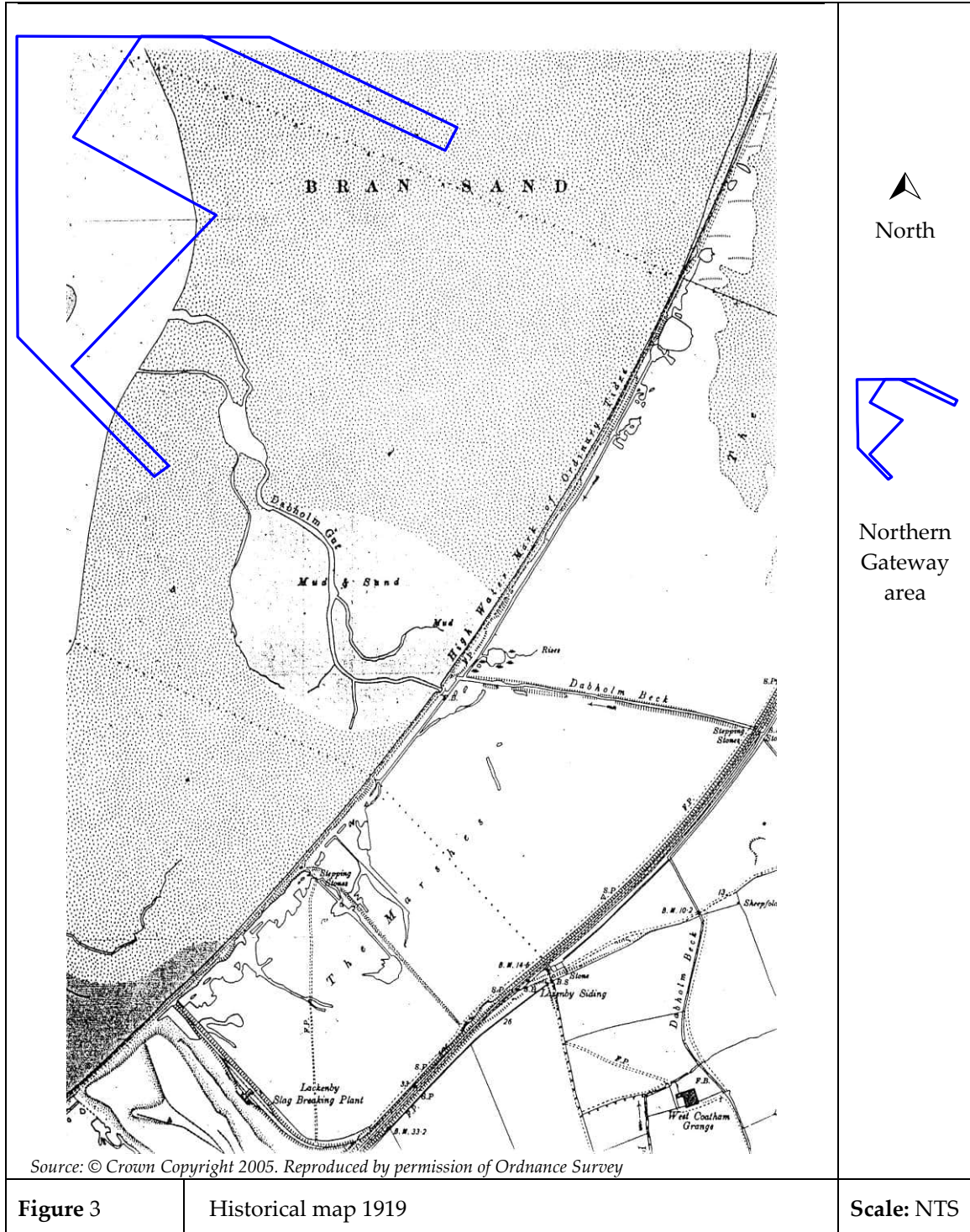
Historical maps of the local area indicate that the region along the river Tees has changed considerably over the years. There was some development before WWII, but the majority has taken place since 1950.

#### 3.1 Pre-1919 history

Up to the end of WWI the region had a traditional industry based on local resources. The basis of a chemical industry was started through the production of salt in areas such as at Salt Holme (NZ500230). Historical maps indicate that the Site and its surrounding region largely comprised marshland and tidal mud flats. This is illustrated in Figure 3, which shows part of the Northern Gateway area of the Site. Records and historical mapping indicate that land reclamation had commenced using 'slag' and spoil from local iron and steel works.

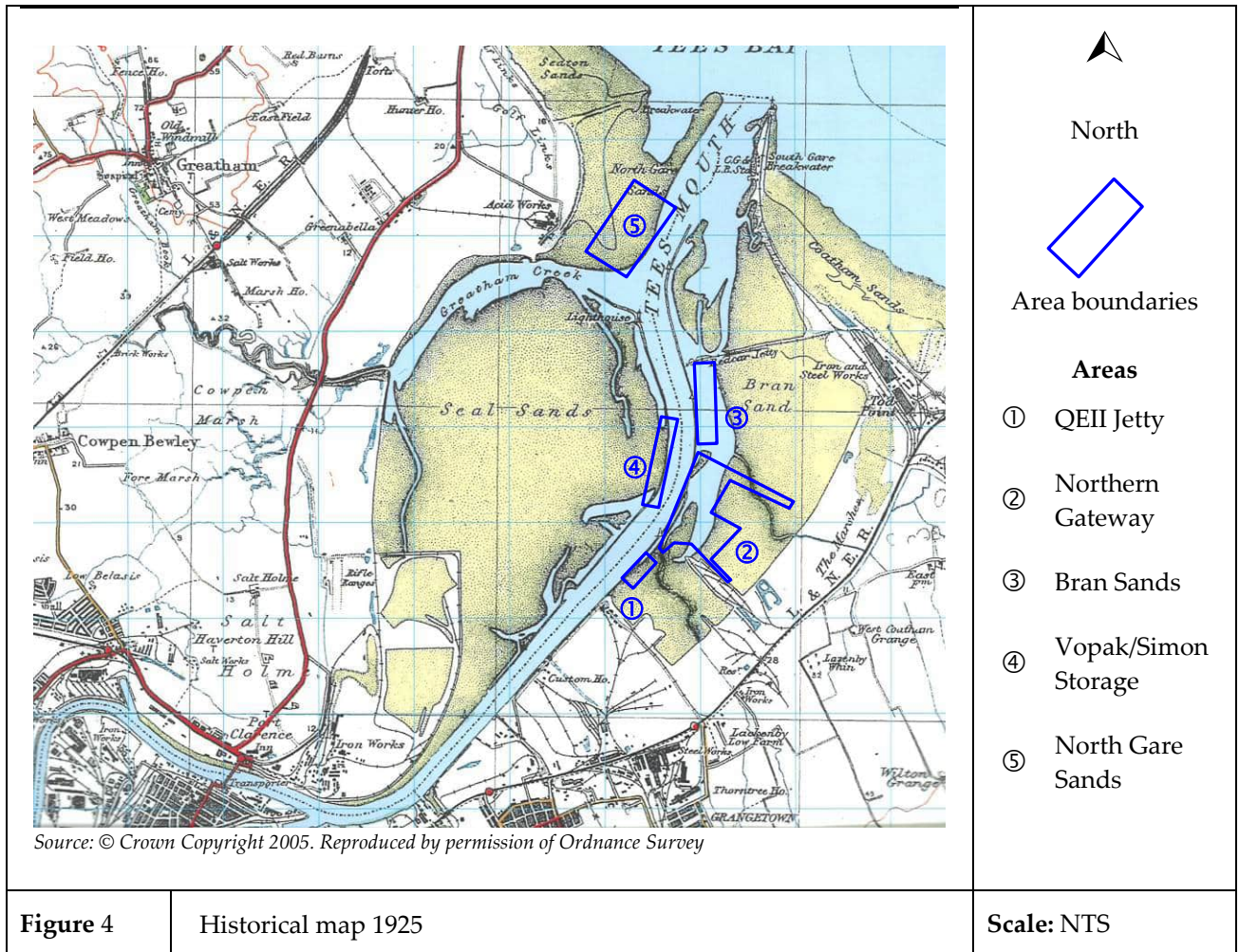
The estuary was also the site of shipbuilding with several yards involved in shipbuilding for the war effort during WWI. For example the Furness Yard at Haverton (5.5km southwest of the QEII Jetty area of the Site) was started in 1917 on reclaimed marshland. In practice, it did not come into production until after WWI had ended.

A Home Defence air station for the defence of the coast was established in fields near Seaton Carew (NZ525300) approximately 3km northeast of the North Gare Sands area of the Site.



### 3.2 Inter-war history

Prior to WWII large parts of the Tees estuary including the Site, were undeveloped tidal flats as shown in Figure 4.



The Redcar Iron and Steel Works was built on Tod Point, on the south side of Coatham Sands (NZ570255), approximately 1.5km east of the Bran Sands area of the Site.

Tips and storage 'dumps' (NZ545220) were linked by an extensive railway system to the main London & North Eastern Railway which was located immediately to the south and southeast of the QEII Jetty and Northern Gateway areas of the Site as shown in Figure 4.

After WWI the Tees dockyards were expanded.

At Billingham, approximately 6km west of the Vopak/Simon Storage area, there was a munitions packing factory. This was associated with HM Nitrogen/Nitrate factory that

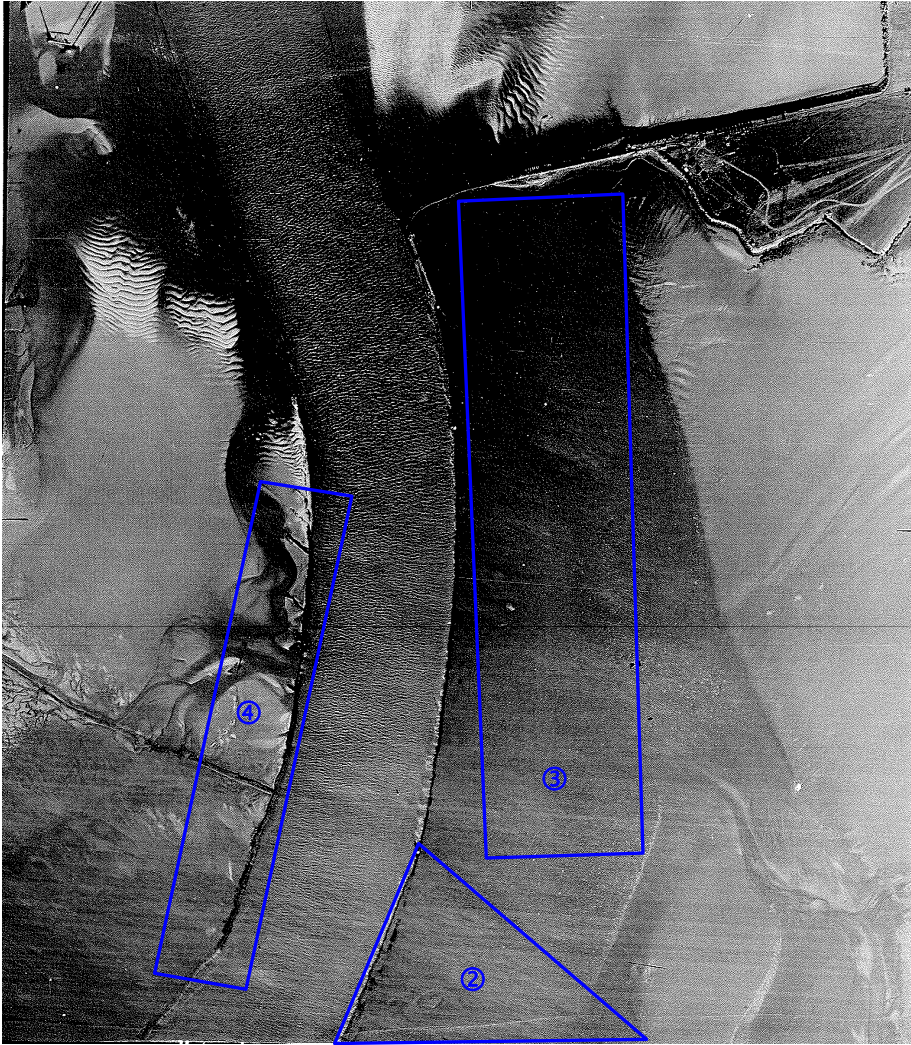
manufactured synthetic ammonia. Manufacture started at the HM Nitrogen/Nitrate factory during WWI and continued until after WWII when the factory was converted to fertilizer production.

### **3.3 Post-WWII development**

With the expansion of Teesside as a major British port more land reclamation took place. In 1946 aerial photography of the area between Seal Sands (west) and Bran Sands (east) shows that much of the region was still relatively undeveloped with much of the river banks as tidal flats and marginal marshland as shown in Plate 3. Subsequently a number of oil depots have been constructed on the reclaimed land, such as the Teesport Oil Refinery that was constructed in 1971.

A portion of the Northern Gateway area of the Site is located on a part of the former Teesport Oil Refinery that closed in 1990.



 <p>Source: English Heritage</p>	<p>North</p> <p>Area boundaries</p> <p><b>Areas</b></p> <ul style="list-style-type: none"> <li>② Northern Gateway</li> <li>③ Bran Sands</li> <li>④ Vopak/Simon Storage</li> </ul>	
<p><b>Plate 3</b></p>	<p>Aerial photograph of river Tees, 1946</p>	<p><b>Scale:</b> NTS</p>

### 3.4 WWI Bombing

During WWI an estimated 9,000 No. German bombs were dropped over Britain during the course of 51 No. airship and 52 No. aircraft attacks. It was the first time that strategic aerial bombardment had been used.

The Middlesbrough area was not recorded as being targeted during WWI and there are no records of bombs falling on the Site. There were 2No. bombing raids during WWI on neighbouring Hartlepool which are detailed below.

#### **27<sup>th</sup>-28<sup>th</sup> November 1916**

Zeppelin L34 attacked West Hartlepool during the night and was shot down. It crashed in Tees Bay approximately 7km north of the Site.

#### **13<sup>th</sup>-14<sup>th</sup> March 1918**

Zeppelin L42 attacked West Hartlepool during the night dropping 21No. HE bombs and causing 8No. fatalities and many other casualties.

### **3.5 WWII Bombing**

Records of air raids, bomb damage, casualties and the location of UXB are rarely released into the public domain. These records are accessible through archives which may or may not be complete.

Records are only as detailed and accurate as the resources and working conditions would allow at the time. Urban records may be inaccurate due to the confusion surrounding continuous air raids.

For example, a single WWII air raid could have included 80,000No. Incendiary Bombs (IBs) mixed with High Explosive (HE) bombs. Mixed-payload raids of HE bombs and IBs were extremely difficult to record in detail and with precision in each instance.

A senior figure in charge of London's civil defence described the daily bomb reports as 'tales and fairy stories', and the person who suggested filing such reports by 9:00 a.m. every day needed 'to take the first available bed in Bedlam.' This harsh judgement of work done early in the Blitz did not wholly stand up to the procedures improved upon by ARP training in later years, but it is a useful reminder that even the best contemporary records had inevitable flaws.

Strategic urban areas tended to have more comprehensive records than rural areas. It is for this and similar reasons that information for bombing both on the Site and the surrounding area is collated from several sources. Failure to assess a site in the context of bombing in the surrounding area could lead to an underestimate of the UXB hazard.

Press records can supplement local information, although the source of information must be treated with caution, as inaccuracies do exist, either inadvertently or intentionally in order to confuse enemy intelligence. Classified official records can sometimes be considered inaccurate for the same reason.

### 3.5.1 General

Luftwaffe bombing began after the fall of France in June, 1940. Early targets were primarily coastal or industrial: the Orkney Islands, the Welsh coalfields, and industrial and shipping centres of Tyneside, Humberside, Teesside, and Glasgow.

WWII bomb targeting was inaccurate, especially in the first year of the war. A typical bomb load of 50kg HE bombs mixed with IBs which was aimed at a specific location might not just miss the intended target but fall some considerable distance away.

Extensive and painstaking work was done by the ARP Wardens in documenting bombs. This provides records that give some appreciation for the density of bombing in the UK but not a complete record and as such, some judgment and extrapolation of these records is required to gain a fair and reasonable judgement of the actual bombing density for the proposed sites.

The intensity of bombing during WWII is understood to have been under-reported. For any given bomb drop, and particularly with respect to mixed payload raids, where the effect of IBs masked those of HE bombs, under reporting was inevitable.

The German bombing campaign saw the extensive use of both HEs and IBs. The most common HE bombs were the 50kg and 250kg bombs, although 500kg were also used to a lesser extent and more rarely 1000kg, 1400kg and 1800kg bombs were dropped.

The HE bombs tended to contain about half of their weight in explosives and were fitted with one or sometimes two fuzes. Not all HE bombs were intended to explode on impact. Some contained timing mechanisms where detonation could occur up to 74No. hours after impact.

Incendiary devices ranged from small 1kg thermite filled, magnesium bodied, type bombs to a 250kg 'oil bomb' and a 500kg 'C300' IB. In some cases the IBs were fitted with a bursting charge. This exploded after the bomb had been alight for a few minutes causing burning debris to be scattered over a greater area. The C300 bombs were similar in appearance to a 500kg HE, although their design was such that a unit of the Royal Engineers were specially trained in their disposal.

Anti-personnel bombs and parachute mines (PMs) were also deployed. Two types of anti-personnel bombs were in common use, the 2kg and the 12kg bomb. The 2kg bomb could inflict injury across an area up to 150m away from the impact, within 25m of this, death or fatal injury could occur.

Parachute mines (which were up to 4m in length) could be detonated either magnetically or by noise/vibration. The Royal Navy was responsible for ensuring that the PMs were made safe. Removal and disposal was still the responsibility of the Bomb Disposal Unit of the Royal Engineers.

### 3.5.2 WWII Bombing in the North East

The Germans had gathered intelligence about potential strategic targets prior to the start of WWII. The Luftwaffe had already made many reconnaissance flights over the Northeast of England and had built up an archive of aerial photographs and detailed descriptions of strategic targets over the region by the time war broke out.

The North East was mentioned in Hitler's War Directive No 9 and the region was considered to be a prime target. Middlesbrough was the first major town in the region to be bombed by the Luftwaffe.

### 3.5.3 Strategic targets

The presence of strategic targets around a site significantly increased the likelihood of bombing raids in a particular area. Middlesbrough was an important centre of heavy industry at the time of WWII. There were ironworks, shipbuilders and chemical plants on both sides of the river Tees and in the surrounding region. Transport links such as railways and military installations were also strategically important. The main strategic targets in the locality of the Site are described below.

#### Transport Links

Several important rail lines ran on both sides of the Tees. The London & North Eastern Railway (LNER) line ran approximately 1km of the Site. Running between Middlesbrough and Redcar, this line served the iron and steel works. Middlesbrough Railway Station lies approximately 8km southwest of the Site and is recorded as being bombed on a number of occasions.

Billingham (NZ470220) on the north side of the Tees, was served by a dedicated branch of the LNER. It extended east to the iron works at Port Clarence, approximately 3.5km southwest of the Vopak/Simon Storage area of the Site.

#### Industrial targets

Smith Docks Company were shipbuilders based on the South Bank (NZ521211) approximately 3.5km southwest of the Northern Gateway area of the Site as shown in Plate 4. The facilities comprised both slipways and dry docks for building and repair of vessels.



Source: [www.teesbuiltships.co.uk/smiths/intro.htm](http://www.teesbuiltships.co.uk/smiths/intro.htm)

**Plate 4** | Photograph of Smith Docks Company shipyards 1940s

A chemical works manufacturing acids was located approximately 1km west of the North Gare Sands area of the Site.

The Brunner Mond factory was located at Billingham, approximately 6km west of the Vopak/Simon Storage area of the Site. This was important for the production of synthetic ammonia and high-grade aero engine oils and fuels. The factory was bombed on several occasions.

The Dormen, Long & Co operated iron works with the Britannia Works approximately 6km southwest of the Site.

Lakenby Slag Breaking Plant was located approximately 2km south of the Northern Gateway area of the Site. Furness Shipbuilding Yard, at Haverton Hill, was located approximately 5km west of the Vopak/Simon Storage area of the Site.

## RAF Stations

RAF West Hartlepool (Greatham) was located in fields to the northeast of Greatham, (NZ503283) approximately 4.5km west-northwest of the North Gare Sands area of the Site. It began as a civilian airfield in 1935 and was used by several airlines. It was requisitioned on the outbreak of WWII as the No.32 Elementary and Reserve Flying Training School.

For much of WWII the airfield was a satellite airfield for RAF Thornaby (NZ455163) as well as a forward station for fighter aircraft from 41 Sqn, based at RAF Catterick (SE249968). There were no permanent runways and the field was little used.

RAF Thornaby situated near Stockton-on-Tees, approximately 12km southwest of the Northern Gateway area of the Site was served by a bombing decoy site at Grangetown, approximately 3.5km southeast of the Northern Gateway area of the Site (see Table 1).

## Decoy sites

Bombing decoy sites were positioned in open areas of little or no importance and designed to draw enemy attacks away from real targets such as airfields, cities and industrial areas. The programme of constructing decoy sites began in 1939 and a number of different types existed, which included:

- Daytime dummy aerodromes (K sites)
- Night time dummy aerodromes (Q sites)
- Diversionary fires to simulate successful attacks (QF and Starfish sites)
- Simulated urban lighting (QL sites)
- Dummy factories and buildings (C series)

Approximately 792No. decoy sites were built at 593No. locations in England.

Table 1 is a list of decoy sites for Middlesbrough.

**Table 1** Locations of decoy sites for Middlesborough

Type of decoy	Location	NGR	Distance from Site	Direction
Civil QF/QL	Bran Sands	NZ 559236	0.6km	Southeast of Northern Gateway
Civil QF/QL	Seal Sands	NZ 513246	2.5km	South of North Gare Sands
RAF Q/K	Grangetown	NZ 572218	3.5km	Southeast of Northern Gateway
Civil QF/QL	Grangetown	NZ 572218	3.5km	Southeast of Northern Gateway
Civil QF	Greenabella	NZ 514261	2.5km	West of North Gare Sands
Civil QF/QL	Cowpen Bewley	NZ 494241	6.0km	West of Vopak/Simon Storage
Civil QL	Newton Bewley	NZ 475260	8.0km	Northwest of Northern Gateway
Civil Starfish	Newton Bewley	NZ 475260	8.0km	Northwest of Northern Gateway

3No. of these decoys have relevance to the Site.

The Bran Sands QF/QL decoy was located on marshes approximately 0.6km southeast of the Northern Gateway and Brand Sands area of the Site. The Bran Sands decoy site is shown in Plate 5 together with lines of anti-tank defences that comprise ditches and concrete blocks.

The Grangetown QF/QL decoy was located approximately 2.5km southeast of the Northern Gateway area of the Site. The decoy site is now occupied by the Wilton Chemical Works.

The Seal Sands QF/QL decoy was located approximately 1.2km northwest of the Vopak/Simon Storage area and 2km southwest of the North Gare Sands area of the Site. Part of the decoy site is now occupied by an oil terminal.



		<p>North</p> <p>QF/QL Decoy site</p> <p>Anti-tank defences</p>
<p><b>Plate 5</b></p>	<p>Aerial photograph of Bran Sands decoy site, 1948</p>	<p><b>Scale:</b> NTS</p>

### Anti-Aircraft Batteries

Anti-aircraft (AA) batteries were targeted by the Luftwaffe. UXO hazards exist both as a result of bombing and unexploded AA shells (UXAA) that fell in the wider surrounding area.

There were numerous heavy AA (HAA) gun emplacements protecting Middlesbrough, which are listed in the following Table 2. The Tees area was recorded as having 30No. AA guns by the 11<sup>th</sup> July 1940. The nearest batteries (listed K and M on Table 2) were located 1.5km southwest and 1.5km southeast of the Site.



**Table 2** HAA gun emplacements

Serial	NGR	Distance from Site	Direction (Northern Gateway)
K	NZ546228	1.5km	Southwest
M	NZ563223	1.5km	Southeast
K	NZ537225	2.5km	Northwest
J	NZ501262	5.0km	Northwest
B	NZ505231	5.5km	Southwest
J	NZ509265	6.0km	Northwest
N	NZ604194	6.5km	Southeast
C	NZ525200	6.5km	Southwest
A	NZ472243	8.0km	West
D	NZ516176	8.0km	Southwest
O	NZ622235	8.0km	East
D	NZ501169	9.0km	Southwest
H	NZ469202	9.5km	Southwest
P	NZ483307	10.0km	Northwest
R	NZ494344	11.5km	Northwest
Q	NZ545121	12.0km	South
E	NZ448156	13.0km	Southwest

There were also Light AA (LAA) installations that included 40mm Bofors guns around several of the port complexes and at RAF West Hartlepool.

### **Barrage Balloon Sites**

The Tees area was protected by several barrage balloon sites. These were operated by 937 Sqn which was based at Stockton-on-Tees and Billingham and 938 Sqn which was based at Billingham/Haverton Hill. These protected the north bank of the Tees and the industrial sites located there.

937 Sqn is recorded as having 3No. flights of 8No. balloons and 938 Sqn is recorded as having 48No. balloons.

### **Anti-Invasion defences and minefield**

Minefields were laid along the coast to deter infantry invasion. Most of the minefields in the UK have since been cleared.

The risk of finding UXO in the form of mines is difficult to determine, particularly along beaches where tidal action can provide a mechanism for mines to be moved along the coast, often from a source some distance away.

In addition to beach minefields, observation stations reported the Luftwaffe laying mines offshore on many occasions at numerous locations along the coast, and there is always the risk of stray mines being washed ashore anywhere along the coast.

### 3.6 Bombing Density and Incidents

The QEII Jetty, Northern Gateway and Brand Sands areas of the Site are located in the former Metropolitan Borough (MB) of Redcar. The Vopak/Simon Storage area of the Site is located in the former Billingham Urban District (UD) and the North Gare Sands area of the Site is located in the former Stockton Rural District (RD).

Bombing figures for these administrative districts and some of the adjacent districts are given in Table 3. The data for West Ham, a London Borough generally accepted to be of high risk, are also included for comparison.

**Table 3** Bombing statistics

District	Bombs reported				Bombs per 1,000 acres (405ha)
	High Explosive	Parachute Mines	Other	Total	
<b>Redcar MB</b>	<b>71</b>	<b>2</b>	<b>0</b>	<b>72</b>	<b>14.3</b>
<b>Stockton RD</b>	<b>145</b>	<b>7</b>	<b>0</b>	<b>152</b>	<b>3.7</b>
<b>Billingham UD</b>	<b>218</b>	<b>3</b>	<b>0</b>	<b>221</b>	<b>28.1</b>
Middlesbrough CB	128	2	2	132	18.5
West Hartlepool CB	180	4	0	184	44.1
Stockton-on-Tees MB	56	0	0	56	10.2
Eston UD	120	1	0	121	24.1
Saltburn & Marske UD	87	2	0	89	24.1
LB of West Ham	1498	45	47	1590	357.2

Historic aerial photographs, bomb damage maps and air raid incident reports have been investigated to determine the intensity of bombing which occurred in the locality of the Site.

#### 3.6.1 Incidents in the general vicinity

The Middlesbrough region had 481No. alerts during WWII. Air raids affecting the area of the Site are detailed in the following sections. Records do not always identify the exact location of each bomb, often only indicating which street or district they impacted in. As a result, distances from the Site are only approximate.



#### **24<sup>th</sup> - 25<sup>th</sup> May 1940**

7No. HE bombs fell at South Bank and Grangetown, approximately 3km south of the Northern Gateway area of the Site. Slight damage was caused to buildings, gas mains and overhead cables. The bombing resulted in 8No. casualties.

1No. HE bomb fell on Dormen's South Steel plant, approximately 9km southwest of the Northern Gateway area of the Site.

2No. HE bombs fell on the Cargo Fleet Works, approximately 5km southwest of the Northern Gateway area of the Site.

#### **26<sup>th</sup> - 27<sup>th</sup> June 1940**

HE bombs and IBs fell on the Billingham and Haverton area, approximately 6km west of the Vopak/Simon Storage area of the Site. Fires were started on both the North and South sites of the ICI Works at Billingham and at the offices of Dormen Long. Several UXB were reported.

#### **24<sup>th</sup> - 25<sup>th</sup> August 1940**

HE bombs fell at the ICI works, approximately 9km southwest of the Northern Gateway area of the Site, causing fires at the Carbon Dioxide Plant and Nitric Acid Plant.

#### **26<sup>th</sup> August 1940**

1No. HE bomb fell on a slag heap at the Cargo Fleet Works, approximately 3km southwest of the QEII Jetty and Northern Gateway areas of the Site, causing little but widespread damage.

#### **27<sup>th</sup> August 1940**

1No. HE bomb fell in Staplyton Street Eston causing 5No. fatalities.

#### **4<sup>th</sup> September 1940**

4No. HE bombs fell in Haverton Hill, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

#### **18<sup>th</sup> September 1940**

1No. HE bomb fell on the Furness Shipbuilding Yard in Haverton Hill, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

#### **21<sup>st</sup> September 1940**

1No. HE bomb fell at the Cargo Fleet Works, approximately 3km southwest of the QEII Jetty and Northern Gateway areas of the Site, causing minor damage.



**9<sup>th</sup> November 1940**

An RAF Hudson aircraft crashed at Cambridge Road, Middlesbrough, approximately 9km southwest of the QEII Jetty area of the Site, causing 4No. fatalities. 3No. houses were set on fire.

**16<sup>th</sup> February 1941**

HE bombs fell on South Bank destroying several properties and so severely damaging others that they had to be demolished. Extensive damage was caused to water, electricity and gas mains. There were 12No. fatalities and 12No. other casualties.

**13<sup>th</sup> April 1941**

2No. parachute mines (PMs) fell on the ICI works, approximately 9 km southwest of the Northern Gateway area of the Site. 1No. HE bomb fell near to the phosphate plant and 1No. HE bomb fell in the petrol compound. A works gas main was damaged.

**16<sup>th</sup> April 1941**

1No. PM caused damaged at Dorman's Britannia Steel Works, approximately 3.5km southwest of the Site causing in 1No. fatality.

**3<sup>rd</sup> - 4<sup>th</sup> May 1941**

6No. Delayed Action HE bombs fell in vicinity of Tees Bridge roundabout, Billingham on the A1046, approximately 5km southwest of the Northern Gateway area of the Site.

**4<sup>th</sup> - 5<sup>th</sup> May 1941**

Middlesbrough and Hartlepool were attacked by 17No. enemy aircraft which dropped a total of 28 tons of HE bombs and 5,616No. IBs.

**6<sup>th</sup> - 7<sup>th</sup> May 1941**

HE bombs fell in the area of North Street, Nelson Street and Napier Street in Middlesbrough, approximately 6.5km southwest of the QEII Jetty area of the Site. Gas holders at a nearby gasworks were also hit.

**7<sup>th</sup> - 8<sup>th</sup> May 1941**

Middlesbrough and the ICI works, approximately 9km southwest of the Site, were attacked by 5No. enemy aircraft.

**11<sup>th</sup> - 12<sup>th</sup> May 1941**

25No. HE bombs and 1,584No. IBs were dropped during a raid on Middlesbrough.

The ICI works, approximately 9km southwest of the QEII Jetty, was attacked by 19No. enemy aircraft which dropped 4No. HE bombs, causing slight damage to plant.

2No. HE bombs fell in a field beside the LNER line, an unknown distance from Site, causing no damage.

**15<sup>th</sup> - 16<sup>th</sup> May 1941**

39No. bomber aircraft and 14No. night fighter aircraft took part in minor scattered attacks which included Middlesbrough's dock installations.

**16<sup>th</sup> - 17<sup>th</sup> May 1941**

6No. HE bombs fell in fields near Greatham (NZ494276), approximately 4km west of the North Gare Sands area of the Site.

**18<sup>th</sup> - 19<sup>th</sup> August 1941**

1No. large HE bomb fell at Cowpen Bewley village, approximately 6.5km west of the Vopak/Simon Storage area of the Site. It caused damage to 20No. houses.

1No. heavy calibre HE bomb fell 1.6km east of Billingham railway station near to the main Stockton - West Hartlepool line, approximately 9km west of the Vopak/Simon Storage area of the Site. It destroyed part of the permanent way and damaged other railway property.

1No. HE bomb fell in a field behind Billingham North School.

4No. HE bombs fell behind Malvern Rd, 2No. off Grampian Road and 1No. at Kenilworth Road, approximately 9.5km west of the Site.

**2<sup>nd</sup> - 3<sup>rd</sup> September 1941**

4No. HE bombs fell on the Billingham ICI works, approximately 8km southwest of the Vopak/Simon Storage area of the Site.

**2<sup>nd</sup> October 1941**

5No. HE bombs fell, 1No. falling on Coral Street, Middlesbrough, approximately 6.5km southwest of the QEII Jetty area of the Site.



4No. HE bombs fell in the vicinity of Harcourt Road, South Bank, approximately 2.5km south of QEII Jetty and Northern Gateway areas of the Site.

3No. UXB were discovered in fields between Church Lane and the Cemetery in Middlesbrough. A further 2No. bombs fell in the river.

#### **5<sup>th</sup> October 1941**

HE bombs caused damage 9No. at Cowpen Bewley Road, Haverton Hill, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

#### **15<sup>th</sup>-16<sup>th</sup> October 1941**

The Teesmouth area, adjacent to the North Gare Sands area of the Site, was bombed resulting in slight damage.

#### **3<sup>rd</sup>-4<sup>th</sup> November 1941**

Bombs were dropped in the South Bank area causing some damage to houses and shops, approximately 3km south of the QEII Jetty and Northern Gateway areas of the Site.

1No. HE bomb fell on a slag heap at Coral Street, Middlesbrough, approximately 6.5km southwest of the QEII Jetty area of the Site.

#### **15<sup>th</sup> January 1942**

938 Squadron reported that a mine-laying Dornier Do217 bomber aircraft hit barrage balloon cables. The aircraft crashed on the railway at South Bank, approximately 2km south of the QEII Jetty and Northern Gateway areas of the Site, causing considerable damage to the permanent way.

#### **15<sup>th</sup> April 1942**

4No. HE bombs fell in fields near Greatham (NZ494276), approximately 4km west of the North Gare Sands area of the Site.

#### **7<sup>th</sup> July 1942**

Approximately 20No. aircraft attacked the Tyne-Tees area. HE bombs and IBs fell on the ICI works, approximately 9km southwest of the Site, causing 17No. fires in 52 minutes. Many houses on the Belasis Estate surrounding the works were damaged or destroyed. The Synthonia Club Theatre and the Boys' Club in Cowpen Lane, approximately 7km west of the Vopak/Simon Storage area of the Site were destroyed.

3No. HE bombs fell at the Furness Shipbuilding Yard at Haverton Hill, approximately 7km southwest of the Vopak/Simon Storage area of the Site.

A stick of HE bombs including 1No. large HE bomb exploded on the HAA site at Cowpen Bewley, approximately 4.5km northwest of the Vopak/Simon Storage area of the Site.

#### **8<sup>th</sup> July 1942**

2 or 3No. HE bombs hit the Cerebos Salt works near Greatham, approximately 4.5km south-southeast of the North Gare Sands area of the Site.

HE bombs were dropped on West Hartlepool, approximately 6km northwest of the North Gare Sands area of the Site.

German bomber aircraft passed through the balloon barrage at Billingham. 1No. bomber hit a balloon cable but managed to fly on. It was reported that several Womens Auxilliary Airforce (WAAF) balloon operators had been slightly injured by bomb blast.

Oil storage tanks at Billingham Reach Wharf, approximately 7.5km southwest of the Vopak/Simon Storage area of the Site, were hit by HE bombs and set on fire.

4No. HE bombs were dropped at Billingham Bottoms, approximately 8km southwest of the Vopak/Simon Storage area of the Site, causing damage to electric cables.

The Billingham ICI works, approximately 6km southwest of the Vopak/Simon Storage area of the Site was hit by HE bombs and IBs causing twelve fires in 46 minutes.

#### **25-26<sup>th</sup> July 1942**

Approximately 50No. HE bombs and many IBs fell on the Teesside region during an air raid by 12No. enemy bombers. The enemy aircraft attacked in relays and a total of 28 tons of bombs were dropped. In total 68No. houses and 76No. business premises were destroyed, while minor damage was caused to 1000No. houses and to 221No. business premises. Only 2No. industrial premises were damaged. There were 16No. fatalities.

At Haverton Hill, approximately 7km southwest of the Vopak/Simon Storage area of the Site, 35No. houses were seriously damaged by bombing.

7No. HE bombs fell at the Billingham ICI works, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

4No. HE bombs dropped 1.6km west of Cowpen Bewley near the Decoy Site (See Table 1), approximately 6.5km west of the Vopak/Simon Storage area of the Site.

**28<sup>th</sup> July 1942**

3No. HE bombs fell on the ICI works, approximately 9km southwest of the Site, affecting production at the works.

4No. HE bombs fell on Casebourne Cement Works, Haverton Hill, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

**3<sup>rd</sup> August 1942**

A low-flying Dornier Do217 aircraft dropped 4No. 500kg HE bombs. 2No. HE bombs fell on Middlesbrough Railway Station, approximately 8km southwest of the Site, causing 8No. fatalities and 58No. casualties.

**7<sup>th</sup> September 1942**

4No. HE bombs fell at Middlesbrough Railway Station, approximately 8km southwest of the QEII Jetty area of the Site.

1No. HE bomb fell on a fruit warehouse on Linthorpe Road and 1No. HE bomb fell to the rear of 11 Crown Street, approximately 9km southwest of the QEII Jetty area of the Site.

8No. HE bombs (1No. UXB) and a number of new type explosive IBs fell at Haverton Hill, causing extensive damage to six houses in Cowpen Bewley Road, approximately 6km southwest of the Vopak/Simon Storage area of the Site.

**16<sup>th</sup>-17<sup>th</sup> October 1942**

The Q decoy site on Seal Sands (approximately 1.2km northwest of the Vopak/Simon Storage area of the Site) was attacked by 1No. bomber which dropped 8No. HE and a number of IBs causing grassland to catch fire.

**12<sup>th</sup> December 1942**

An undetected UXB exploded in West Hartlepool, approximately 7km northwest of the North Gare Sands area of the Site, causing 9No. fatalities.

**11<sup>th</sup> - 12<sup>th</sup> March 1943**

3No. HE bombs fell on South Bank causing much damage to property. 2No. fatalities and a further 18No. casualties.

2No. PMs fell on Seal Sands, approximately 2km southwest of the North Gare Sands area of the Site. 1No. of these was recorded as UXB.



7No. HE bombs (two UXBs) fell at Billingham, approximately 6km west of the Vopak/Simon Storage area of the Site, destroying 2No. houses and damaging 10No. others.

**22<sup>nd</sup> March 1943**

2No. HE bombs fell in fields at the north end of Seal Sands, approximately 1km southwest of the North Gare Sands area of the Site.



#### **4 ABANDONED BOMBS AND EOC TASKS**

Official UK bombing statistics have been compiled from both British and German sources. There were differences in the way the original figures were originally reported and collated which has led to discrepancies in the summary data.

Based on data from 1939 to 1945, War Office statistics indicate that 200,195No. HE bombs exploded within Great Britain. Additionally, 25,195No. HE bombs (representing 11%) were recorded as UXBs. Records from the Royal Engineers who were responsible for bomb disposal at the time indicate that as of 27<sup>th</sup> February 1946 upwards of 45,000No. UXBs were disposed of.

On average 8.5% UXBs later self-exploded. In some cases the bombs were never intended to explode with the aim was to cause inconvenience and fear.

Given the discrepancy in records and that fact that UXBs are still being found unexpectedly, it is clear that the original figures are understated and provide only an approximation of the number of potential UXBs in the UK.

War office statistics also show that between October 1940 and May 1941 most of the UXBs (93%) were either 50kg or 250kg. It should be noted that neither recovery nor size of the UXB were always accurately reported.

##### **4.1 Abandoned Bombs**

Information from the MoD on any officially registered abandoned bombs which may affect the Site was unavailable at the time of issuing this report. Where significant, this information will be forwarded as an addendum to this report.

##### **4.2 EOC Tasks**

Information from the MoD on official Explosive Ordnance Clearance (EOC) was unavailable at the time of issuing this report. Where significant, this information will be forwarded as an addendum to this report.

## 5 UXB HAZARD

### 5.1 Anticipated Ordnance Types

When assessing the risk from UXO including UXB, it is important to be aware of ordnance type and function. The following Section briefly describes the main ordnance types that could potentially affect the Site.

#### 5.1.1 Shells

A shell is a projectile containing an explosive charge designed to burst the casing that can contain HEs, pyrotechnic compounds or other chemicals.

Shells can be found in a range of sizes, from >20mm to several times this size. There is a prospect of finding anti-aircraft shells on a site that have fallen back to the ground unexploded. Most commonly used shells were 2" and 3.7" HE shells.

If fired and found as UXO, shells can offer a particular hazard from accidental detonation as they can have sensitive fuze mechanisms.

#### 5.1.2 Bombs

Probably the most common and certainly most publicised UXOs to be found in the UK are bombs. Air-dropped bombs as a result of WWII enemy action are found on a relatively frequent basis as UXO. They tend to be highly publicised (at least on a local basis) due to the common disruption where an evacuation of the potentially affected area is put in place.

The amount of HE and the potential for a fuze to still be activated means that these devices have the prospect of causing some of the most widespread damage. WWII bombs were particularly sophisticated for their time, with anti-tamper fuzes. Many German bombs were designed to not explode on impact and instead to cause disruption as a UXB. Some fuzes were set with a delay time of over 70 hours. During this time, an anti-tamper fuze could also be activated to detonate should it be disturbed.

The most commonly used bombs during WWII were the 50kg and 250kg sized general purpose bombs. Less frequently, the 500kg bomb was also used. Larger bombs were used, but so infrequently that any assessment of hazard is more typically based on bombs ranging up to 500kg only. It should be noted that the June 2008 find of a 1000kg bomb in London, does demonstrate that larger bombs can be found and any risk mitigation measures should consider this.

#### 5.1.3 UXO hazards

Both wartime and peacetime military activities provide numerous sources of UXO within the land and marine environments.

## Marine Mines

Clearance certification for UXO within a marine environment may be valid only for a limited period because storms, tides and general current movement can cause UXO to migrate into an area that may have been cleared of UXO only hours before. This also makes it very difficult to accurately predict where UXO may be found.

UXO are most likely to be concentrated on and immediately around the principal sources of the UXO hazard. These are typically ordnance disposal sites at sea, WWII mines, marine ranges and wrecks containing ordnance.

A mine can be washed up on a beach or found drifting in the water around any part of the UK's coastline. Given the wartime history of the Site, there is a higher probability of finding mines in the area than other less strategic locations of the UK's coastline.

During WWII damage was inflicted to Redcar Pier by a loose mine that was washed into it.

## Land Mines

Most of the mined beaches in the UK have been cleared by the MoD. Occasionally storms, tides and currents do move and/or expose mines that were missed as part of any past clearance activities.

The coast between Saltburn and Redcar was mined, as was Coatham Sands approximately 2km northeast of the Bran Sands area of the Site. Part of this area was previously a golf course which, in WWII, had at least 185 No. mines set beneath it.

### 5.2 Geology and Bomb Penetration Depths

It is important to consider the soil type present at the time that a bomb was dropped in order to establish its maximum penetration depth. Geological records in the form of British Geological Survey (BGS) Solid and Drift Sheet 33 (Stockton) and local authority borehole records were consulted. The geology at the Site consists of Made Ground overlying alluvial sand and silts over peat over Mercia Mudstone Group mudstones and siltstones. It is assumed that during WWII the Made Ground was not present.

The North Gare Sands area of the Site (Plate 2) is shown to be a sand bank on the side of the navigable channel of the Tees. The geology map indicates that this is Made Ground.

Glacial Till between 6.5 and 20.5m in thickness is recorded from boreholes beneath the alluvium between the Northern Gateway and Bran Sands areas of the Site.

The following Table 4 provides an estimate of bomb penetration depths. Made Ground is ignored as during WWII the majority of the Site was undeveloped (see Figure 4). For the purposes of this estimation it has been assumed that the Site is underlain by the maximum thicknesses of material proven in the boreholes. The upper layer is modelled as 6m of wet clay, the middle layer is modelled as 20m of stiff clay overlaying the solid geology comprising a minimum of 50m of mudstones and siltstones.

**Table 4** Estimated bomb penetration depths

Estimated bomb penetration depths for anticipated geology		
<b>Bomb Weight</b>	50kg	7.0m
	500kg	15.0m
	1000kg	17.5m

The above bomb penetration depth estimates assume:

- a) High level release of the bomb resulting in an impact velocity of 260 m/s (>5,000 m altitude).
- b) A strike angle of 10 to 15 degrees to the vertical.
- c) That the bomb is stable, both in flight and on penetration.
- d) That no retarding units are fitted to the bomb.
- e) That the soil type is homogenous

If buildings or hard standings were present during WWII, bomb penetration depths would have been significantly reduced but offset distances may have been up to four times greater.

It is understood that the post-WWII reclamation of land across the Site has been conducted by the use of 'slag' from the iron and steel works combined with other dredged materials. In general the risk from UXO in such material is regarded as being negligible, unless UXO have been brought in with the dredged materials.

A high altitude release of a bomb will result in ground entry at between 10° and 15° (to the vertical) with the bomb travelling on this trajectory until momentum is nearly lost. The bomb will then turn abruptly to the horizontal before coming to rest. The distance between the centre of the entry hole and the centre of the bomb at rest is known as the "offset". A marked lateral movement from the original line of entry is common.

Low-level attacks may have an impact angle of 45° or more, which will frequently lead to a much greater amount of offset movement during soil penetration.

The average offset is one third of the penetration depth, i.e. an offset of 2m may be expected for a 50kg bomb in stiff silts and clays.

### **5.3 UXB effects and consequences**

There have been a limited number of recorded incidents in the UK since WWII, where bombs have detonated during engineering works, though a significant number of bombs have been discovered.

Drilling works on a site in Berlin in September 1994 resulted in a bomb being struck and detonating. This initiation and subsequent detonation resulted in 3No. workmen being killed and damage to the surrounding property. More recently in Linz, Austria another similar incident caused the death of one worker and injury of 3No. other workers.

In the UK, there are no recorded incidences since the decade after WWII, of a UXB accidentally detonating. In recent years, bombs have been found that have fuze mechanism that have started to operate indicating that given the right conditions a UXB may still function. In 2003 during construction work in Sunderland, a UXB was uncovered and the fuze mechanism started to operate,

In June 2008 a UXB was uncovered in the Lea Valley and the fuze mechanism started to operate. This was a 1000kg bomb and was the first of this size to be found in over 30 years. This demonstrates that larger bombs can be found and any risk mitigation measures should provide the option to deal with this size of device.

Further details of similar finds can be found at [www.zetica.com/wwii\\_map.htm](http://www.zetica.com/wwii_map.htm).

The effects of a partial or full detonation of ordnance are usually shock, blast, heat and shrapnel damage. A 50kg buried bomb can damage brick / concrete structures up to a distance of approximately 16m away. Unprotected personnel on the surface up to 70m away from the blast could also be seriously injured. Larger ordnance would obviously be more destructive.

Explosives rarely lose effectiveness with age, although over time mechanisms such as fuzes and gaines can become more sensitive and therefore more prone to detonation, regardless of whether the device has been submersed in water or embedded in silt, clay or similar materials.

The effects of a detonation of explosive ordnance are usually extremely fast, often catastrophic and invariably traumatic to any personnel involved.



## 6 RISK ASSESSMENT & RECOMMENDATIONS

The Site is located in a region that was bombed during WWII. As the Site was either marshland or sand/mud banks in the river Tees, it was not specifically targeted. However, this remoteness led to two decoy sites being laid out.

The decoy site on Seal Sands immediately west of the Vopak/Simon area of the Site is recorded to have been bombed on 2No. occasions with UXB reported. 1No. recorded UXB was described as a PM that is recorded as having been removed at the time.

No records of the decoy site at Bran Sands being bombed have been found.

During WWII the Tees Port Authority had watchers for mine laying activities but no records have been located. No bomb impact maps for the area have been located. The recording of bombs in tidal areas such as this would have been low priority and as a result the presence of UXB in such areas cannot be totally discounted.

Taking into consideration the available information indicating the intensity of bombing, the density of known strikes immediately adjacent to the Site, the distance of the Site from strategic targets, and the quality of the data, it is considered that the risk of UXB being present at any of the areas within the Site are Low.

### 6.1 Risk Management

It is recognised that the act of drilling or piling on or very near a UXB increases the risk of detonation. This risk is moderated by the fact that a UXB, if one exists, has lain in the ground for over 60 years and may not function in any event. However, the potentially severe consequences of a UXB exploding, requires appropriate risk mitigation measures to be taken.

Accidental detonation of a UXB during shallow excavation works is considered to be a lower risk than drilling or piling as any item should be identified by a qualified EOC banksman before repeated disturbance initiates it's functioning.

The following Table 5 gives recommended actions in relation to potential UXB risk and the anticipated Site activity. The actual mitigation will depend on the detail and nature of any planned works. Further advice on the mitigation methods can be provided by Zetica on request.

**Table 5 Risk mitigation for typical site activities**

Level of Risk	Typical Future Activity on the Site			
	None	Shallow Excavations (<1.0m)	Deep Excavations (>1.0m)	Boreholes or Pile Construction
Low	Ensure suitable records and procedures are in place to highlight the risk should future development be planned.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted. Appropriate action is required to be detailed within site procedures.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted. Appropriate action is required to be detailed within site procedures.	Ensure site staff, are informed as part of the site safety induction that the potential presence of UXO cannot be discounted. Appropriate action is required to be detailed within site procedures.  Clearance certification for borehole or pile locations would be considered prudent but not essential.
Moderate	As low risk.	Ensure site staff, are informed as part of the site safety induction that there is a potential for UXO to be discovered during site works. EOC Operative supervision is considered prudent.	Ensure site staff, are informed as part of the site safety induction that there is a potential for UXO to be discovered during site works. Non-intrusive investigation method prior to excavation should be considered. EOC Operative supervision is considered prudent.	Ensure site staff, are informed as part of the site safety induction that there is a potential for UXO to be discovered during site works. Clearance certification for borehole or pile locations would be considered essential.
High	As low risk.	Ensure site staff, are informed as part of the site safety induction that there is a high potential for UXO to be discovered during site works. EOC operative supervision is considered essential where ground has not been developed post war.	Ensure site staff, are informed as part of the site safety induction that there is a high potential for UXO to be discovered during site works. Non-intrusive investigation methods considered prudent with excavation of any targets identified. EOC operative supervision is also considered essential.	Ensure site staff, are informed as part of the site safety induction that there is a high potential for UXO to be discovered during site works. Clearance certification for borehole or pile locations would be considered essential.

The above table is for guidance only.

The following provides further information on some of the risk mitigation techniques available.

In order to provide clearance for borehole or pile locations, either MagCone (Cone Penetration Testing based) or MagDrill (Drilling based) UXB detection techniques can be used. These



techniques facilitate the utilising of a magnetometer at a depth suitable for the anticipated bombe penetration. Surface magnetometer techniques are not suitable.

## Appendix 1 Abbreviations & Glossary

### Abbreviations

AA	Anti Aircraft
ARP	Air Raid Precautions
AT	Anti-Tank
ASACS	Air Surveillance and Control System
BD	Bomb Disposal
BDO	Bomb Disposal Officer
BDU	Bomb Disposal Unit
BEF	British Expeditionary Force
CAD	Close Air-Defence (CAD)
DAWC	Defence Air Warfare Centre
EOC	Explosive Ordnance Clearance
FIDO	Fog Intensive Dispersal Operation
HAA	Heavy Anti Aircraft
HCU	Heavy Conversion Unit
HE	High Explosive
HMEF	Her/His Majesty's Explosive Factory
HMRC	Her Majesty's Revenue and Customs
HQ	Head Quarters
HSE	Health and Safety Executive
IB	Incendiary Bomb
ICBM	Inter-Continental Ballistic Missile
IRBM	Intermediate Range Ballistic Missile
LAA	Light Anti Aircraft
LMSRY	London Midlands Scotland Railway
MCA	Maritime Coastguard Agency
MoD	Ministry of Defence
MMU	Mobile Meteorological Unit

MU	Munitions Unit
NATO	North Atlantic Treaty Organisation
NCBRF	National Cartridge and Box Repair Factory
NSF	National Shell Factory
NTS	Not to scale
OTU	Operational Training Unit
PDR	Pounder
PM	Parachute Mine
PTC	Personnel and Training Command
RAF	Royal Air Force
RFC	Royal Flying Corps
RDX	Research Development Explosive
RMBF	Rolling Mills and Blast Furnaces
RNS	Royal Navy Store
RNAD	Royal Naval Armament Depot
RNAS	Royal Navy Air Squadron
ROC	Royal Observer Corp
ROF	Royal Ordnance Factory
SAS	Special Arms Service
STC	Strike Command
UKHO	United Kingdom Hydrographic Office
UKWMO	United Kingdom Warning and Monitoring Organisation
USAF	United States Air Force
USAAF	United States Army Air Force
UXB	Unexploded Bomb
UXO	Unexploded Ordnance
WWI	World War One
WWII	World War Two

## Glossary

<b>Dannert Wire</b>	Barbed wire in the form of a coil which could be extended concertina-like to form a barrier to impede the movement of hostile troops.
<b>Deflagration</b>	The fast and violent burning of an energetic material (as opposed to detonation).
<b>Demil</b>	Derived from the term 'Demilitarisation', it refers to the break down and the recycling or disposal of ordnance components.
<b>Detonation</b>	The high-speed chemical breakdown of an energetic material producing heat, pressure, flame and a shock wave.
<b>EOC Operative</b>	EOC is an abbreviation for Explosive Ordnance Clearance. This term is more commonly used today instead of the more traditional term EOD (Explosive Ordnance Disposal) that specifically refers to the disposal of ordnance. An EOC Operative is a trained person (usually military trained with formal qualifications) capable of conducting ordnance recognition and remediation tasks.
<b>Explosive</b>	The term explosive refers to compounds forming energetic materials that under certain conditions chemically react, rapidly producing gas, heat and pressure. Obviously, these are extremely dangerous and should only be handled by qualified professionals.
<b>Template</b>	The 'template' is the area of a firing range (sea or land) that ordnance is fired into. This is an area usually monitored by the MoD Police and/or Coast Guard to prevent non-authorised persons or vessels straying into the area.
<b>Fuze</b>	A fuze is the part of an explosive device that initiates the main explosive charge to function. In common usage, the word fuze is used indiscriminately, but when being specific (and in particular in a military context), fuze is used to mean a more complicated device, such as a device within military ordnance.
<b>Gain</b>	Small explosive charge that is sometimes placed between the detonator and the main charge to ensure ignition.
<b>Geophysical survey</b>	A geophysical survey is essentially a range of methods that can be used to detect objects or identify ground conditions without the need for intrusive methods (such as excavation or drilling). This is particularly suited to ordnance as disturbance of ordnance items is to be avoided where ever possible.
<b>Gold line</b>	This is the estimated limit of blast damage from an explosive storage magazine. It usually means that development within this zone is restricted.

<b>High Explosive</b>	Secondary explosives (commonly known as High Explosives (HE)) make up the main charge or filling of an ordnance device. They are usually less sensitive than primary explosives. Examples of secondary explosives are: Nitro glycerine (NG), Trinitrotoluene (TNT), AMATOL (Ammonia nitrate + TNT), Gunpowder (GP), and Cyclotrimethylenetrinitramine (RDX).
<b>Inter-Continental Ballistic Missile</b>	An intercontinental ballistic missile, or ICBM, is a very long-range (greater than 5,500km or 3,500 miles) ballistic missile typically designed for nuclear weapons delivery, that is, delivering one or more nuclear warheads.
<b>Luftflotte</b>	German military air force squadron.
<b>MagCone</b>	MagCone is a method by which ordnance (or other similar metallic items) can be detected at significant depths. This is conducted by the use of a specialised probe. The probe contains a sensitive magnetometer that is pushed into the ground. The magnetometer is able to detect items such as buried ordnance and thus advise on clear routes for drilling, piles, deep excavation or alike.
<b>MagDrill</b>	Similar technique to MagCone, but utilises a drilling (rather than probing) technique to advance the magnetometer into the soil.
<b>Primary Explosive</b>	Primary explosives are usually extremely sensitive to friction, heat, and pressure. These are used to initiate less sensitive explosives. Examples of primary explosives are: Lead Azide, Lead Styphnate, and Mercury Fulminate. Primary explosive are commonly found in detonators.
<b>Propellants</b>	Propellants provide ordnance with the ability to travel in a controlled manner and deliver the ordnance to a predetermined target. Propellants burn rapidly producing gas, pressure and flame. Although usually in solid form they can be produced in liquid form. Examples of propellants are: Ballistite often found in a flake form and Cordite used in small arm ammunition.
<b>Pyrotechnics</b>	Pyrotechnic compositions are used to produce effects such as smoke, flares (illumination) and occasionally propulsion (as you would see in fireworks).
<b>Unexploded Ordnance (UXO)</b>	UXO is explosive ordnance that has been either primed, fuzed, armed or prepared for use and has been subsequently fired, dropped, launched, projected or placed in such a manner as to present a hazard to operations, persons or objects and remains unexploded either by malfunction or design.
<b>V1 Rocket</b>	The Vergeltungswaffe-1, V-1, also designated Fieseler Fi 103/FZG-76, known colloquially in English as the Flying bomb, Buzz bomb or Doodlebug, was the first guided missile used in WWII and the forerunner of today's cruise missile.



### **V2 Rocket**

The Vergeltungswaffe 2 (V-2) ("Reprisal weapon 2") was the first ballistic missile. It was used by the German Army primarily against Belgian and British targets during the later stages of WWII. The V-2 was the first man-made object launched into space, during test flights that reached an altitude of 189km (117 miles) in 1944.



## Appendix 2 References

Airfield Research Group, Munitions 1915 – 1919, Airfield Research Publishing, June 1996

Calder A, The Myth of the Blitz

Collier B, The Defence of the United Kingdom, 1957

Dobinson C S, Anti-aircraft artillery, England's air defence gun sites. 1914 – 46, Twentieth Century Fortifications in England

Dobinson C S, Anti-aircraft artillery, Site gazetteer, WWI, Twentieth Century Fortifications in England, Volume I 2

Dobinson C S, Anti-aircraft artillery, Site gazetteer, WWII HAA & ZAA, Twentieth Century Fortifications in England, Volume I 3

Dobinson C S, Anti-aircraft artillery, Site gazetteer, WWII LAA, Twentieth Century Fortifications in England, Volume I 4

Dobinson C S, Anti-aircraft artillery, Sources, Twentieth Century Fortifications in England, Volume I 5

Dobinson C S, Anti-invasion defences of WWII, Twentieth Century Fortifications in England, Volume II

Dobinson C S, Bombing decoys of WWII, England's passive air defence 1939-45, Twentieth Century Fortifications in England, Volume III

Dobinson C S, Civil defence in WWII, Protecting England's civil population, Twentieth Century Fortifications in England, Volume VIII

Dobinson C S, Searchlight sites in WWII, Twentieth Century Fortifications in England, Supporting paper AA/1

Dobinson C S, Fields of Deception, Britain's Bombing Decoys of World War II

Fegan T, The Baby Killers 2002

Fitzgibbon C, The Blitz, Macdonald Unit 75

Hook John, Dawn Was Theirs. Undated.

LeBrecht, H 2006, Teesside GasPort: Planning application and supporting information (partial resubmission)

Ministry of Defence JSP 364, Joint Service EOD Manual

Ministry of Home Security, Frontline 1940-41, The official story of the Civil Defence of Britain, 1942

Morris J, German Air Raids on Britain, 1914-1918

Norman Bill, Wartime Teesside

Norman Bill, Wartime Teesside revisited

Price A, Blitz on Britain 1939-45

Ramsey W, The Blitz Then and Now, Vol 1

Ramsey W, The Blitz Then and Now, Vol 2

Ramsey W, The Blitz Then and Now, Vol 3

Ray, J, The Night Blitz 1940 – 1941

Redcar & Cleveland Borough Council, 2005. Planning Application for Teesside GasPort

Tees Archaeology, 2006. The Home Front: Teesside Defences during World War II

USAF, The System of Target Selection Applied by the German Air Force in World War II, Vol 1, USAF Historical Studies: No. 186

USAF, The System Target Selection Applied by the German Air Force in World War II, Vol 2, USAF Historical Studies: No. 186

Sansom W, The Blitz, 1990



### Appendix 3 General Notes

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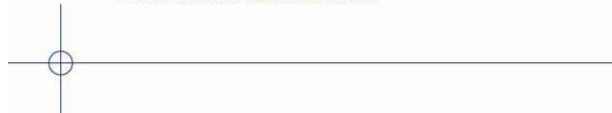
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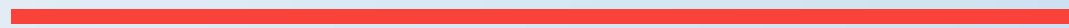
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# Annex E

CIRIA



# RISK APPRAISAL

## RISK APPRAISAL METHODOLOGY

The identification of potential “contaminant linkages” is a key aspect of the evaluation of potentially contaminated land. An approach based on the UK CIRIA report C552 (Contaminated Land Risk Assessment: A Guide to Good Practice, 2001) has been adopted within this report. For each of the contaminant linkages, an estimate is made of;

- The potential severity of the risk; and
- The likelihood of the risk occurring.

Table D.1 presents the classification of the severity of the risk:

TABLE D-1 SEVERITY OF RISK

Severe	Acute risks to human health; Major pollution of controlled waters (watercourses or groundwater)
Medium	Chronic (long-term) risk to human health; Pollution of sensitive controlled waters (surface waters or aquifers)
Mild	Pollution of non-sensitive water resources.
Minor	Requirement for protective equipment during site works to mitigate health effects; Damage to non-sensitive ecosystems or species

The probability of the risk occurring is classified by criteria given in Table D.2.

TABLE D-2 PROBABILITY OF RISK OCCURRING

High Likelihood	Contaminant linkage may be present, and risk is almost certain to occur in the long term, or there is evidence of harm to the receptor.
Likely	Contaminant linkage may be present, and it is probable that the risk will occur over the long term.
Low Likelihood	Contaminant linkage may be present and there is a possibility of the risk occurring, although there is no certainty that it will do so.
Unlikely	Contaminant linkage may be present but the circumstances under which harm would occur are improbable.

An overall evaluation of the level of risk is gained from a comparison of the severity and probability as presented in Table D.3.

TABLE D-3 COMPARISON OF SEVERITY AND PROBABILITY

Severity
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TABLE D-3 COMPARISON OF SEVERITY AND PROBABILITY

		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very high risk	High risk	Moderate risk	Moderate / low risk
	Likely	High risk	Moderate risk	Moderate/ low risk	Low risk
	Low Likelihood	Moderate risk	Moderate/ low risk	Low risk	Very low risk
	Unlikely	Moderate / low risk	Low risk	Very low risk	Very low risk

Table D.4 then provides a description of the typical consequences and potential actions required following each risk definition.

TABLE D-4 QUALITATIVE RISK ASSESSMENT - CLASSIFICATION OF CONSEQUENCE

Classification	Definition
Very High Risk	Severe harm to a receptor may already be occurring, or a high likelihood severe harm will arise to a receptor, unless immediate remedial works / mitigation measures are undertaken.
High Risk	Harm is likely to arise to a receptor, and is likely to be severe, unless appropriate remedial actions / mitigation measures are undertaken. Remedial works may be required in the short-term, but likely to be required over the long-term.
Moderate Risk	Possible that harm could arise to a receptor, but low likelihood that such harm would be severe. Harm is likely to be mild. Some remedial works may be required in the long-term.
Moderate / Low Risk	Possible that harm could arise to a receptor, but where a combination of likelihood and consequence results in a risk that is above low, but is not of sufficient concern to be classified as mild. Limited further investigation may be required to clarify the risk. If necessary, remediation works are likely to be limited in extent.
Low Risk	Possible that harm could arise to a receptor. Such harm, at worst, would normally be mild.
Very Low Risk	Low likelihood that harm could arise to a receptor. Such harm is unlikely to be any worse than mild.

It should be noted that the identification of potential contaminant linkages does not indicate that they are significant. The risk to ground workers during any redevelopment has not been assessed as part of these works. It is recommended that a task specific risk assessment, which may include stipulations with regards to appropriate work control procedures and personal protective equipment (PPE), is completed prior to any future construction works.

# Annex F

GENERAL LIMITATIONS



## REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

### GENERAL

1. WSP UK Limited has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.
2. Unless explicitly agreed otherwise, in writing, this report has been prepared under WSP UK Limited standard Terms and Conditions as included within our proposal to the Client.
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### PHASE 1 GEO ENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

**Coverage:** *This section covers reports with the following titles or combination of titles: phase 1; desk top study; geo environmental assessment; development appraisal; preliminary environmental risk assessment; constraints report; due diligence report; geotechnical development review; environmental statement; environmental chapter; project scope summary report (PSSR), program environmental impact report (PEIR), geotechnical development risk register; and, baseline environmental assessment.*

5. The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects responses may not have been received from all parties. WSP UK Limited cannot be held responsible for any disclosures that are provided post production of our report and will not automatically update our report.
6. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, WSP UK Limited reserves the right to review such information and, if warranted, to modify the opinions accordingly.
7. It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.
8. WSP UK Limited does not warrant work / data undertaken / provided by others.



## REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

### INTRUSIVE INVESTIGATION REPORTS

**Coverage:** *The following report titles (or combination) may cover this category of work: geo environmental site investigation; geotechnical assessment; GIR (Ground Investigation reports); preliminary environmental and geotechnical risk assessment; and, geotechnical risk register.*

9. The investigation has been undertaken to provide information concerning either:
  - i. The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
  - ii. Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.
10. The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.
11. For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.
12. For geotechnical investigations the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.
13. The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.
14. The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.
15. The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, WSP UK Limited has used reasonable skill and care to extrapolate conditions between these points based upon assumptions to develop our interpretation and conclusions. The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation. Conditions can change between investigation points and these interpretations should be considered indicative.
16. The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values. Specific assumptions associated





## REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

with the WSP UK Limited risk assessment process have been outlined within the body or associated appendix of the report.

17. Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.
18. Where soil contamination concentrations recorded as part of this investigation are used for commentary on potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed.
19. The results of the asbestos testing are factually reported and interpretation given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and / or trace loose asbestos fibres within the soil matrix at the site.
20. If costs have been included in relation to additional site works, and / or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

## EUROCODE 7: GEOTECHNICAL DESIGN

21. On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design – Part 1) became the mandatory baseline standard for geotechnical ground investigations.
22. In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

## DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIAL STRATEGY REPORTS

23. These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected on the basis of the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.



## REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

24. The outputs of the Detailed Quantitative Risk Assessments are based upon WSP UK Limited manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.
25. Prior to adoption on site they will need discussing and agreeing with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of WSP UK Limited. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

### **GEOTECHNICAL DESIGN REPORT (GDR)**

26. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

### **MONITORING (INCLUDING REMEDIATION MONITORING REPORTS)**

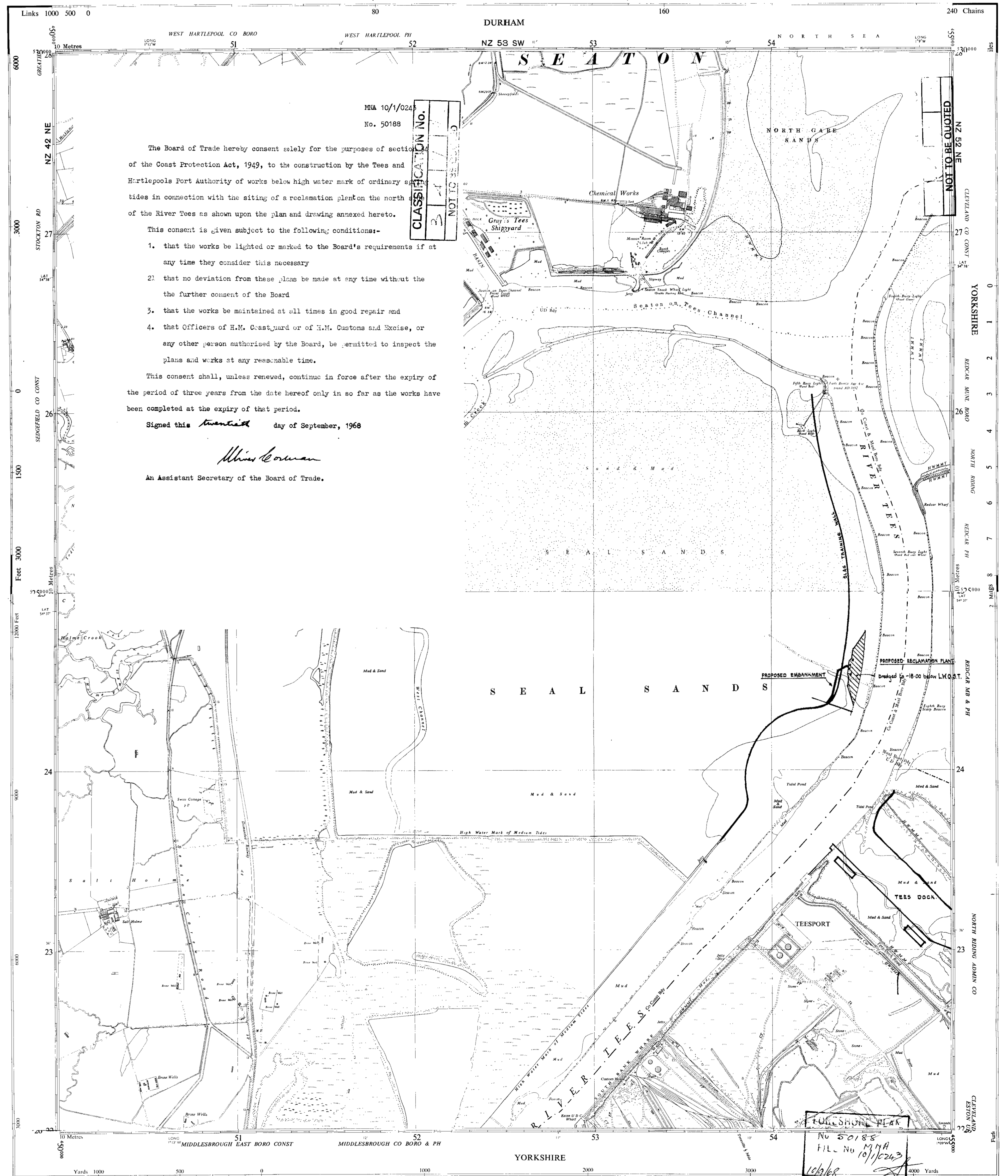
27. These reports are factual in nature and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of an earthworks or remedial works.
28. The data is presented and will be compared with assessment criteria.

# Annex G

HISTORICAL INFORMATION







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INDEX TO ADJOINING SHEETS

NZ 41 NE	NZ 42 NE	NZ 43 NE
NZ 41 E	NZ 42 E	NZ 43 E
NZ 41 SE	NZ 42 SE	NZ 43 SE
NZ 41 S	NZ 42 S	NZ 43 S
NZ 41 SW	NZ 42 SW	NZ 43 SW
NZ 41 W	NZ 42 W	NZ 43 W
NZ 41 NW	NZ 42 NW	NZ 43 NW

THE NATIONAL GRID

100 METRE SQUARES

41	42	43
51	52	53
54	55	56
57	58	59
60	61	62
63	64	65
66	67	68
69	70	71
72	73	74
75	76	77
78	79	80

SURVEY DIAGRAM

1961	1962	1963	1964
1965	1966	1967	1968
1969	1970	1971	1972
1973	1974	1975	1976
1977	1978	1979	1980

BOUNDARIES

Geographical County	Urban District	Rural District	County Borough	Administrative County
Parish	Ward	Electoral Ward	Ward	Ward
Ward	Ward	Ward	Ward	Ward

OFFICE COPY

DATE 14 September 1968

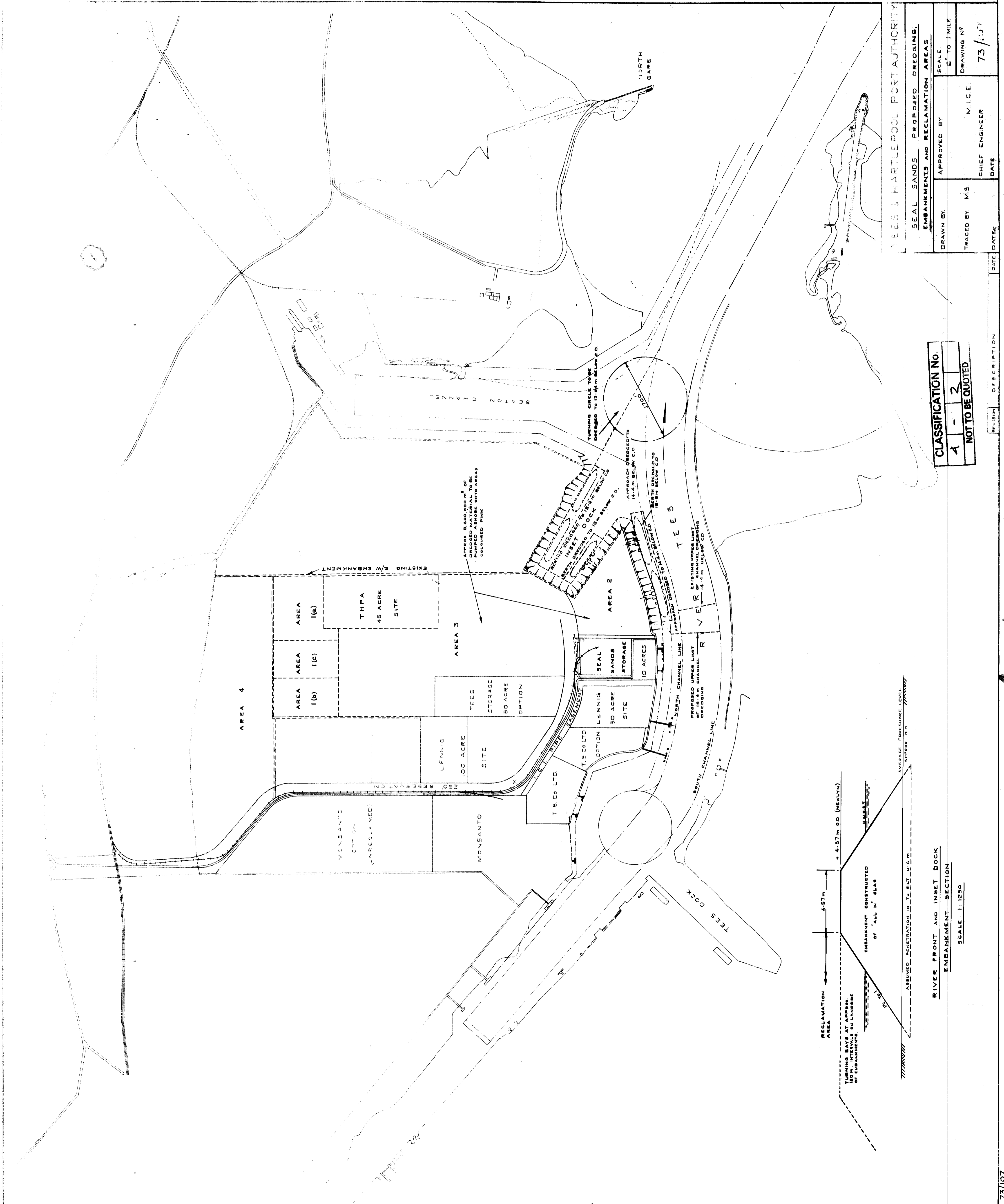


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NOT TO BE QUOTED

PROPOSED DREDGING EMBANKMENTS AND RECLAMATION AREAS

26 OCT 1994



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