



# East Anglia TWO Offshore Windfarm

## Archaeology and Cultural Heritage

### Outline Written Scheme of Investigation (Offshore)

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**Applicable to  
East Anglia TWO**



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The appendix associated with this Outline Written Scheme of Investigation is listed in the table below.

Appendix number	Title
1	Gazetteers



## Glossary of Acronyms

AEZ	Archaeological Exclusion Zones
BP	Before Present
DCO	Development Consent Order
DEFRA	Department for Environment, Food and Rural Affairs
DML	Deemed Marine Licence
EPP	Evidence Plan Process
ES	Environmental Statement
ETG	Expert Topic Group
GIS	Geographical Information Systems
HDD	Horizontal Directional Drilling
HER	Historic Environment Record
HSC	Historic Seascape Characterisation
MBES	Multibeam Echosounder
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
MIS	Marine Isotope Stage
MMO	Marine Management Organisation
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NRHE	National Record of the Historic Environment
NSIPs	Nationally Significant Infrastructure Project
nT	nanoTesla
ORPAD	Offshore Renewables Protocol for Archaeological Discoveries
PEIR	Preliminary Environmental Information Report
RCZA	Rapid Coastal Zone Assessment
ROV	Remote Operated Vehicle
SBP	Sub-bottom profiler data
SSS	Side-scan sonar
UKHO	United Kingdom Hydrographic Office
WSI	Written Scheme of Investigation
ZEA	Zonal Environmental Appraisal

## Glossary of Terminology



Applicant	East Anglia TWO Limited
Construction operation and maintenance platform	A fixed structure required for construction, operation and maintenance personnel and activities.
East Anglia TWO project	The proposed project consisting of up to 75 wind turbines, up to four offshore electrical platforms, up to one construction, operation and maintenance platform, inter-array cables, platform link cables, up to one operational meteorological mast, up to two offshore export cables, fibre optic cables, landfall infrastructure, onshore cables and ducts, onshore substation, and National Grid infrastructure.
East Anglia TWO windfarm site	The offshore area within which wind turbines and offshore platforms will be located.
Horizontal directional drilling (HDD)	A method of cable installation where the cable is drilled beneath a feature without the need for trenching.
Inter-array cables	Offshore cables which link the wind turbines to each other and the offshore electrical platforms.
Landfall	The area (from Mean Low Water Springs) where the offshore export cables would make contact with land, and connect to the onshore cables.
Offshore cable corridor	This is the area which will contain the offshore export cables between offshore electrical platforms and landfall.
Offshore development area	The East Anglia TWO windfarm site and offshore cable corridor (up to Mean High Water Springs).
Offshore electrical platform	A fixed structure located within the windfarm area, containing electrical equipment to aggregate the power from the wind turbines and convert it into a more suitable form for export to shore.
Offshore export cables	The cables which would bring electricity from the offshore electrical platforms to the landfall. These cables will include fibre optic cables.
Offshore platform	A collective term for the offshore construction operation and maintenance platform and the offshore electrical platforms.
Platform link cable	An electrical cable which links one or more offshore platforms.
Safety zones	An area around a vessel which should be avoided during offshore construction
Scour protection	Protective materials to avoid sediment being eroded away from the base of the foundations as a result of the flow of water



# 1 Outline Written Scheme of Investigation (Offshore)

## 1.1 Changes to Previously Submitted Document

1. This outline Written Scheme of Investigation (WSI) (Offshore) (hereafter the “outline Offshore WSI”) is an update of the previous version of the outline Offshore WSI (APP-583) submitted with the Development Consent Order (DCO) application for the East Anglia TWO project (the Project). The updates within this document take account of comments made by Historic England in their Written Representations regarding the outline Offshore WSI and other application documents.

## 1.2 Introduction

### 1.2.1 Background

2. This outline Offshore WSI has been produced to set out the proposed approach to archaeological mitigation and investigations to be undertaken in association with the offshore and intertidal project areas (below Mean High Water Springs (MHWS)) of the proposed East Anglia TWO project.
3. The proposed East Anglia TWO project would be principally comprised of offshore wind turbines, offshore electrical and construction, operation and maintenance platforms, offshore export cables, inter-array cables, platform link cables, onshore cables, an onshore substation, a National Grid substation and National Grid overhead line realignment works. The project is being progressed by East Anglia TWO Limited (the Applicant), which is a wholly owned subsidiary of ScottishPower Renewables (SPR).
4. Onshore archaeology and cultural heritage are not considered in this document. An Outline WSI for onshore archaeology above MHWS has also been prepared and submitted alongside the Development Consent Order (DCO) application.
5. An updated, final Offshore WSI will be developed post-consent in consultation with Historic England and the Suffolk County Council Archaeological Service (Development Control and Planning).
6. The requirement for this is secured through the draft Deemed Marine Licence (DML) and DCO.

### 1.2.2 Study Area

7. The East Anglia TWO windfarm site is located in the southern North Sea, approximately 37km from the port of Lowestoft and 33km from Southwold with the offshore cable corridor making landfall near Thorpeness.



8. The study area for this outline Offshore WSI comprises the East Anglia TWO windfarm site and the offshore cable corridor, collectively known as the offshore development area (see **Figure 6.1** of the Environmental Statement (ES)). The intertidal area at the landfall up to MHWS is not considered as HDD techniques will be used to install the cables and therefore there will be no works in the intertidal area.

### 1.2.3 Approach

9. The fundamental objectives of a WSI are set out in the Model Clauses for Archaeological Written Schemes of Investigation: Offshore Renewables Projects (The Crown Estate 2010) as follows:
- The respective responsibilities of the Developer, main contractors, and archaeological contractors / consultants, to include contact details and formal lines of communication between the parties and with archaeological Curators;
  - Ensure that any further geophysical and geotechnical investigations associated with the project are subject to archaeological input, review, recording and sampling;
  - Provide for archaeological involvement in any diver and/or ROV obstruction surveys conducted for the scheme;
  - Establish the exact position and extent of archaeological exclusion zones, and methodologies for their monitoring, modification and/or removal;
  - Propose measures for mitigating effects upon any archaeological material encountered during the operation and decommissioning of the scheme; and,
  - Establish the reporting, publication, conservation and archiving requirements for the archaeological works undertaken in the course of the scheme.
10. The Model Clauses (The Crown Estate 2010) were prepared by Wessex Archaeology for The Crown Estate in order to set out agreed archaeological methodologies so that they do not have to form part of the drafting and agreement of each WSI prepared for the offshore renewables industry. As such, these methodologies will not be duplicated here. Rather, this outline Offshore WSI draws upon these standard, agreed methodologies and, for each section, sets out how these are relevant to the delivery of the proposed East Anglia TWO project and explains any necessary adaptations and amendments for agreement with Historic England.
11. In demonstrating adherence to industry good practice, this outline Offshore WSI has also been compiled with respect to available archaeological guidance for offshore development including:





- Protocol for Archaeological Discoveries: Offshore Renewables Projects (The Crown Estate 2014);
  - Chartered Institute for Archaeologists (CIfA) Code of Practice and Standards and Guidance (CIfA 2014a, 2014b, 2014c, 2014d);
  - Marine Geophysical Data Acquisition, Processing and Interpretation – guidance notes (Plets R., Dix J. and Bates R. 2013);
  - Offshore Geotechnical Investigations and Historic Environment Analysis: Guidance for the Renewable Energy Sector (Gribble and Leather 2011)
  - Historic Environment Guidance for the Offshore Renewable Energy Sector. Guidance (Wessex Archaeology 2007); and
  - Code for Practice for Seabed Development (Joint Nautical Archaeology Policy Committee (JNAPC) 2006).
12. The final WSI, based upon this outline WSI, will be developed post-consent in consultation with Historic England and the Suffolk County Council Archaeological Service (Development Control and Planning) to guide the approach to offshore and intertidal archaeology throughout the pre-construction, construction and operation phases of the Projects.
13. The final WSI will be a ‘point-in-time’ document, submitted to the Marine Management Organisation (MMO) in advance of the commencement of pre-construction surveys, with the specific methodology for each subsequent package of archaeological works to be taken forward through archaeological method statements produced under the umbrella of the WSI and agreed with the archaeological curator. Survey and work package specific archaeological objectives will be established on a case-by-case basis with reference to all relevant project datasets (and associated archaeological and geoarchaeological interpretations) and to other relevant research and investigations with specific reference to established research agendas, including (but not limited to):
- North Sea Prehistory Research and Management Framework (Petters et al, 2009);
  - Identifying and Protecting Palaeolithic Remains (English Heritage, 1998); and
  - People and the Sea: A Maritime Research Agenda for England (Ransley et al, 2013).

## 1.3 Baseline Summary

### 1.3.1 Summary of Previous Assessment

14. The assessment of the baseline environment presented in **Chapter 16 Marine Archaeology and Cultural Heritage** of the ES for the proposed East Anglia



TWO project was informed by the results of work undertaken by Wessex Archaeology, comprising:

- East Anglia TWO Offshore Windfarm Archaeological assessment of geophysical data (Wessex Archaeology 2018a); and
- East Anglia ONE North and East Anglia TWO Offshore Windfarm Export Cable Route Archaeological assessment of geophysical data (Wessex Archaeology 2018b).

15. The geophysical data assessed in order to inform the technical report for the East Anglia TWO windfarm site (Wessex Archaeology 2018a) comprises sidescan sonar (SSS), multibeam echosounder (MBES), magnetometer and sub-bottom profiler data (SBP) acquired by Gardline Geosurvey Limited (Gardline) between 2010 and 2017, as detailed in **Table 1.1**.

**Table 1.1 Acquired Geophysical Survey Data within the East Anglia TWO windfarm site**

Data	Year	Coverage	Confidence	Notes
Magnetometer	2010	1000 m line spacing	Data rated as 'Good'	Occasional spiking on some lines assessment
SBP	2010	1000 m line spacing	Data rated as 'Good'	Some lines affected slightly by weather
SSS	2017	75 m line spacing	Data rated as 'Variable'	Some lines affected by sea state with strong currents affecting positional accuracy of lines but in general data considered suitable for archaeological assessment
MBES	2017	75 m line spacing	Data rated as 'Good'	Suitable for archaeological assessment of objects and debris over 0.5 m in size

16. The geophysical data assessed in order to inform the technical report for the offshore cable corridor (Wessex Archaeology 2018b) comprises SSS, MBES, magnetometer and SBP data acquired by Gardline in 2010 and 2017, and Bibby Hydromap Limited (Bibby) in 2018, as detailed in **Table 1.2**. The coverage of the 2018 data varied, in terms of line spacing and orientation, depending on the water depth and tidal currents.

**Table 1.2 Acquired Geophysical Survey Data within the East Anglia TWO Offshore Cable Corridor**

Data	Year	Coverage	Confidence	Notes
Magnetometer	2018	Variable	Data rated as 'Good'	Minor spiking on a couple of lines and influenced slightly by background geology, but data considered suitable for archaeological assessment.



Data	Year	Coverage	Confidence	Notes
	2010	1000m line spacing	Data rated as 'Good'	
SBP	2018	Variable	Data rated as 'Variable'	Occasional blanking, likely due to weather and sea state, and interference and limited penetration due to the hard substrate in the area, but in general data considered suitable for archaeological assessment.
	2010	1000m line spacing	Data rated as 'Good'	
SSS	2018	Variable	Data rated as 'Variable'	A few lines were more affected by sea state and strong currents, but in general considered as suitable for archaeological assessment.
MBES	2018	Variable	Data rated as 'Average'	Minor artefacts in a few cases, but suitable for archaeological assessment of objects and debris over 1 m in size.

17. The assessment also drew upon the existing work undertaken for the Zone Environmental Appraisal (ZEA) (East Anglia Offshore Wind 2012a) and for the EIAs for East Anglia ONE and East Anglia THREE, including the archaeological assessment of geophysical and geotechnical data (East Anglia Offshore Wind 2012b; East Anglia THREE Limited 2015), supplemented by additional data sources as presented in **Table 1.3**.

**Table 1.3 Desk-Based Data Sources to Inform the Assessment**

Data	Source
Recorded wrecks and obstructions	United Kingdom Hydrographic Office (UKHO)
Records of heritage assets and documented losses of wrecks and aircraft (for areas within 12 nm)	National Record of the Historic Environment (NRHE)
Records of non-designated heritage assets below MHWS	Suffolk Historic Environment Record
Designated heritage assets (including sites protected under the Protection of Military Remains Act 1986 and the Protection of Wrecks Act 1973)	National Heritage List online maintained by Historic England.
Historic Seascape Character (HSC) consolidated national GIS dataset	Historic England
Background geological information	British Geological Society



Data	Source
Admiralty Charts	UKHO
Archaeological studies and published sources, where relevant to the East Anglia TWO windfarm site	Various

18. No new geotechnical data was acquired for the purposes of the assessment although existing geoarchaeological assessments undertaken for the ZEA, East Anglia ONE and East Anglia THREE were reviewed and the results incorporated as relevant to the assessment of palaeogeography within the study area. Borehole logs acquired by GEMS in 2010 were also consulted during the archaeological assessment of geophysical survey data.

### 1.3.2 Seabed Prehistory

19. There are no known seabed prehistory sites within the study area.

20. There is, however, the potential for previously undiscovered prehistoric sites and deposits of palaeoenvironmental interest to be present, primarily associated with surviving terrestrial features and deposits corresponding to times when sea levels were lower and hence prehistoric hominin populations may have inhabited what is now the sea bed. Archaeological material may also be present within secondary contexts, as isolated finds within deposits, this may comprise material from terrestrial phases that may have been reworked by marine or glacial processes, for example.

21. The shallow geology of the study area comprises a series of Pleistocene and Holocene deposits deposited in a range of environments, from terrestrial to marine, as summarised in **Table 1.4**. This stratigraphy set is a combination of all the interpreted shallow geological units from across the combined study areas for East Anglia ONE North and East Anglia TWO. The entire stratigraphy was not identified in any one single study area.



**Table 1.4 Shallow stratigraphy of the study area identified by Wessex Archaeology (2018a, 2018b) with broad date ranged stated according to Marine Isotope Stage (MIS)**

Unit	Unit Name	Geophysical Characteristics <sup>(1)</sup>	Sediment Type <sup>(2)</sup>	Archaeological Potential
8	Holocene Seabed Sediments (post-transgression) (Marine Isotope Stage (MIS) 1)	Generally observed as a veneer or thickening into large sand wave and bank features. Boundary between surficial sediments and underlying units not always discernible.	Gravelly sand with shell fragments, sand waves and ripples indicate sediment is mobile.	Considered of low potential in itself, but possibly contains reworked artefacts and can cover wreck sites and other cultural heritage.
7	Holocene Sediments (pre-transgression) (MIS 2 to 1)	Small shallow infilled channels with either seismically transparent fill, or fill characterised by subparallel internal reflectors. Can contain high amplitude reflectors or areas of acoustic blanking which may indicate organic matter such as peat.	Fluvial, estuarine and terrestrial.	Potential to contain in situ and derived archaeological material, and palaeoenvironmental material.
6	Brown Bank Formation (Late Ipswichian to Lower Devensian) (MIS 5d to 3)	Observed largely as a deposit infilling hollows or channels; however, on occasion seen as broad blanket deposit, Fill is generally either acoustically transparent or characterised by subhorizontal layered reflectors.	Clayey silty sand deposited in an intertidal / lagoon environment.	<i>In situ</i> Lower Palaeolithic artefacts may be protected. Middle Palaeolithic <i>in situ</i> and derived artefacts may be associated dependent on the age of the fill. Palaeoenvironmental information. Basal contact may cover old land surfaces.



Unit	Unit Name	Geophysical Characteristics <sup>(1)</sup>	Sediment Type <sup>(2)</sup>	Archaeological Potential
5	Lower Brown Bank (Lower Devensian) (MIS 5e to 5d)	Observed at the base of the Brown Bank Formation. Characterised by low relief basal and either an acoustically transparent or well-layered fill.	Silty sand and sandy silt, possible fluvial, intertidal or shallow marine deposits.	<i>In situ</i> Lower Palaeolithic artefacts may be protected. Middle Palaeolithic <i>in situ</i> and derived artefacts may be associated particularly with channel edges dependent on the age of the fill. Palaeoenvironmental information.
4	Yarmouth Roads Formation (Lower to Middle Pleistocene) (MIS 62 to 13)	Thick unit characterised by layered sub-parallel internal reflectors. Top of unit generally a well-defined regional erosion surface.	Silty sand with occasional layers of clay. Generally becoming silty, lagoonal clay with depth. Sediments deposited as part of delta complex.	Possibility of <i>in situ</i> finds in later part of formation if not eroded. Contemporaneous with terrestrial Cromer Forest Bed Formation (Pakefield and Happisburgh). Has been found to contain plant debris, wood and peat in some areas of possible palaeoenvironmental importance. Potential greatest where associated with river valleys.
3	Smith's Knoll Formation (Lower Pleistocene) (MIS 65 to 63)	Acoustically unstructured unit with some faint subparallel reflectors	Fine grained, glauconitic marine sand with some silty clay.	Pre-earliest occupation of the UK
2	Westkapelle Ground Formation (Lower Pleistocene) (MIS 103 to 63)	Acoustically unstructured unit with a generally faint basal reflector.	Deltaic silty clays and sands.	Pre-earliest occupation of the UK
1	Red Crag Formation (Late Pliocene)	Acoustically unstructured unit with some parallel internal reflectors.	Glauconitic marine sands.	Pre-earliest occupation of the UK



Unit	Unit Name	Geophysical Characteristics <sup>(1)</sup>	Sediment Type <sup>(2)</sup>	Archaeological Potential
(1) Based on geophysical data				
(2) Based on borehole data and Cameron et al., (1992)				

22. Shallow geological (palaeolandscape) features of archaeological interest are discriminated by Wessex Archaeology in accordance with the definitions set out in **Table 1.5**.

**Table 1.5 Criteria discriminating relevance of shallow geological features to proposed scheme**

Discrimination	Criteria	Data type
P1	Feature of probable archaeological interest, either because of its palaeogeography or likelihood for producing palaeoenvironmental material	SBP, MBES
P2	Feature of possible archaeological interest	SBP, MBES

23. Within the East Anglia TWO windfarm site Wessex Archaeology (2012a) have interpreted 15 shallow geological features from the SBP data, comprising five P1 features and ten P2 features. Within the offshore cable corridor there are 34 shallow geological features, comprising nine P1 features and 25 P2 features (Wessex Archaeology 2012b). These are illustrated on **Figures 16.1** and **16.2** of the ES and listed in full in **Appendix I**.

24. The archaeological potential within the offshore development area associated with the above geological sequence and palaeogeographic features can be summarised as follows:

- Units 1 and 2 pre-date the earliest known occupation of Britain and are not considered to be of archaeological interest;
- Units 3, 4 and 5 have not been identified by Wessex Archaeology in the interpreted data for the offshore development area;
- Unit 6 (Brown Bank Formation):
  - potential for both *in situ* and derived artefacts from the Middle Palaeolithic (300,000 to 40,000 BP) although Lower Palaeolithic artefacts and land surfaces may also be preserved *in situ* beneath this Unit;
  - observed in the centre of the windfarm site infilling a large depression (780002) with two further features (780003 and 780004) interpreted as poorly developed dune features, just above the base of Unit 6, suggesting a significant period of aerial exposure and potentially protecting a buried land surface;



- an erosion surface (75401) within the windfarm site may also be of Devensian date; and
  - within the offshore cable corridor apparent either directly below the seabed (outcropping), or beneath a veneer of modern sediments (780024, 780025), and infilling a broad channel feature (75582).
  - Unit 7 Holocene Sediments (pre-transgression):
    - high potential to contain *in situ* and derived archaeological material, and palaeoenvironmental material;
    - observed as channels (75404, 75405, 75585, 75588, 780010, 780028, 780033 and 780034) and a complex channel (780043), cut and fill features (75584, 75586, 780000, 780001, 780005, 780008, 780012 to 780020, 780026, 780027, 780029 to 780032 and 780035) and an infilled depression (780011) thought to be of a similar age and possibly representing an eroded palaeochannel system; and
    - complex cut and fill feature (780026) seen on the SBP data to cause some slight disturbance to lower horizons, possibly indicative of increased gas content caused by the microbial breakdown of organic matter within the feature, which suggests that this feature is more likely to contain material of palaeoenvironmental interest.
  - In the nearshore area of the offshore cable corridor there are no interpreted palaeogeographic features, although there are seven separate areas (780036 to 780042) of acoustic blanking which could represent an area of coarse sediment close to the surface but can also be indicative of the presence of gas and may represent gaseous organic matter such as peat; and
  - Unit 8 represents modern marine sediment and is not considered to be of prehistoric archaeological interest in itself.
25. Beyond the boundaries of East Anglia TWO, geoarchaeological assessment undertaken for East Anglia ONE has resulted in the interpretation of a silty sand deposit that lies stratigraphically between Brown Bank (Unit 5/6) and Yarmouth Roads (Unit 4) (Scottish Power Renewables, 2019). Within the East Anglia ONE windfarm site this deposit has been dated using Optically Stimulated Luminescence (OSL) and interpreted as reworked Saalian (Wolstonian) material (initially understood as Brown Bank Formation). There is potential for further such deposits to be identified within the East Anglia TWO windfarm site or offshore cable corridor. However, as they have the same characteristics as Yarmouth Roads and Lower Brown Bank, it is difficult to distinguish them using geophysics. The identification and analysis of such deposits should, therefore, form a key objective of the geoarchaeological assessment for East Anglia TWO, to be undertaken post-consent.





### 1.3.3 Maritime and Aviation Archaeology

26. Seabed features of archaeological interest are discriminated by Wessex Archaeology in accordance with the definitions set out in **Table 1.6**.

**Table 1.6 Criteria Discriminating Relevance of Seabed Features to Proposed Scheme**

Discrimination	Criteria	Data type
<b>A1</b>	Anthropogenic origin of archaeological interest	SSS, MBES, Magnetometer
<b>A2</b>	Uncertain origin of possible archaeological interest	SSS, MBES, Magnetometer
<b>A3</b>	Historic record of possible archaeological interest – UKHO reference to feature that shows no trace on seabed	

27. A total of 1103 features of maritime or aviation archaeological interest, or potential archaeological interest, have been identified within the boundaries of the offshore development area. These are illustrated on **Figures 16.3** and **16.4** of the ES and listed in full in **Appendix II**. There are several identified maritime wrecks within the study area, but no aircraft crash sites have been identified to date.

28. The numbers of anomalies classified by probable type are shown in **Table 1.7**.

**Table 1.7 Types of Anomaly within the Offshore Development Area Identified by Wessex Archaeology (2018a, 2018b)**

Anomaly classification	Definition	Windfarm site	Offshore cable corridor
Wreck (A1)	Areas of coherent structure including wrecks of ships, submarines and some aircraft (where coherent structure survives)	5	8
Debris field (A1)	Areas of coherent structure including wrecks of ships, submarines and some aircraft (where coherent structure survives)	-	4
Debris field (A2)	Areas of coherent structure including wrecks of ships, submarines and some aircraft (where coherent structure survives)	6	9
Debris (A1)	Distinct objects on the sea bed, generally exhibiting height or with evidence of structure, that are potentially anthropogenic in origin. Debris discriminated as A1 are interpreted as being of archaeological interest.	5	12
Debris (A2)	Distinct objects on the sea bed, generally exhibiting height or with evidence of structure, that are potentially anthropogenic in origin. Debris	53	69



Anomaly classification	Definition	Windfarm site	Offshore cable corridor
	discriminated as A2 are interpreted as being of possible archaeological interest.		
Seabed disturbance (A1)	An area of disturbance without individual, distinct objects. Potentially indicates wreck debris or other anthropogenic features buried just below the sea bed.	-	1
Seabed disturbance (A2)	An area of disturbance without individual, distinct objects. Potentially indicates wreck debris or other anthropogenic features buried just below the sea bed.	28	15
Rope/chain (A2)	Curvilinear dark reflectors, often with a small amount of height, indicating rope or chain (if ferrous)	3	24
Bright reflector (A2)	Individual objects or areas of low reflectivity, characteristic of materials that absorb acoustic energy, such as waterlogged wood or synthetic materials. Precise nature is uncertain	8	13
Dark reflector (A2)	Individual objects or areas of high reflectivity, displaying some anthropogenic characteristics. Precise nature is uncertain	83	152
Mound (A2)	A mounded feature with height not considered to be natural. Mounds may form over wreck sites or other debris.	2	4
Magnetic (A2)	No associated sea bed surface expression, and have the potential to represent possible buried ferrous debris or buried wreck sites	68	528
Recorded Wreck (A1, A3)	Position of a recorded wreck at which previous surveys have identified definite sea bed anomalies, but for which no associated feature has been identified within the current data set.	1	2
Total		262	841

29. The A1 features identified as being of archaeological interest, comprising wrecks, magnetic only buried anomalies and larger items of debris and debris fields, are summarised in **Table 1.8**.



**Table 1.8 Summary of A1 Anomalies within the Offshore Development Area**

WA ID	Type	Summary	External ID
<b>Windfarm Site</b>			
70684	Wreck	A very large but poorly defined wreck, partially disintegrated with some objects with height visible in the immediate vicinity. There may be more associated objects buried in the sand waves surrounding this vessel. Previously located by the UKHO as an unidentified wreck (see also anomaly 700106).	UKHO 10942
700106	Wreck	A large and poorly defined area of debris objects with a broad, distinct shadow and significant height off the seabed. There is one long, narrow shadow present indicating a particularly tall structure and three large objects discernible. The feature is located approximately 91m south-west of wreck 70684, which has a UKHO record stating that it is possibly in two parts. It is possible therefore that this is a separate section of wreck, or associated wreck debris.	UKHO 10942
700107	Debris	A small and indistinct dark reflector object with a relatively broad shadow and significant height off the seabed. This object is situated close to wreck 70684 and may be an associated item of debris.	-
700108	Debris	A small dark reflector object with a relatively broad shadow and significant height off the seabed. This object is not very distinct however it is situated close to wreck 70684 and therefore may be an associated item of debris.	-
700109	Debris	A slightly curvilinear shaped dark reflector with a short and bright shadow that has been identified close to wreck 70684. This is a possible associated item of wreck debris	-
70707	Wreck	A large wreck with clear structure and superstructure preserved, the wreck is upright with multiple levels and appears intact. Associated debris is visible next to the wreck (700065 and 700066). There may be more associated objects buried in the sand waves surrounding this vessel. Previously located and identified by the UKHO as the <i>Dolfijn</i> , a Belgian trawler lost on the 17 <sup>th</sup> August 1970 in gales and heavy seas.	UKHO 10941
700065	Debris	A small and indistinct dark reflector object that may be partially buried situated next to wreck (70707) and likely associated wreck debris.	-
700066	Debris	A slightly curvilinear, indistinct dark reflector object with slight height or slight scour that is situated next to wreck (70707) and is likely associated wreck debris.	-



WA ID	Type	Summary	External ID
70717	Wreck	A large right angled dark reflector with height and some scour lying perpendicular to a sand wave crest. The corresponding UKHO record records a small wreck abreast a sand wave which was shallower than the wreck, which was not located during survey in 1995 and amended to FOUL.	UKHO 11189
700104	Wreck	A distinct edged wreck that is lying perpendicular to and cutting through the sand waves. The wreck appears to have slatted dark reflectors in its centre and is intact, although with little height which might suggest that is partially buried or in a poorly preserved state.	-
<b>Offshore Cable Corridor</b>			
70639	Debris field	Collection of items of various shapes and sizes, no apparent structure or pattern identifiable. Located amongst the bedforms indicating further debris may be buried. Previously located by the UKHO.	UKHO 10674
700822	Debris	Curved defined item, due to line spacing not possible to confirm whether the feature comprises ferrous material. Possibly natural but located within 140m of a debris field of unknown wreck 70639 and potentially associated.	-
700823	Debris	Curvilinear items with broad height, due to line spacing not possible to confirm whether the feature comprises ferrous material. Possibly natural but located within 60m of a debris field of unknown wreck 70639 and potentially associated.	-
700824	Debris	Curvilinear dark reflector with broad height, due to line spacing not possible to confirm whether the feature comprises ferrous material. Possibly natural but located within 50m of a debris field of unknown wreck 70639 and potentially associated.	-
70641	Wreck	Defined structure with some linear dark reflectors, possibly timbers, possibly upside-down, with no apparent superstructure visible. Not much of a debris field present, appears well contained. Located amongst bedforms, partially buried. Previous located by the UKHO as the remains of the <i>St Patrick</i> , a British wooden motor fishing vessel lost in 1976 following an explosion onboard.	UKHO 10350
700829	Debris	Small elongate dark reflector with slight height, close to 70641 and likely associated. Not possible to confirm whether the feature includes ferrous material.	-



WA ID	Type	Summary	External ID
70645	Wreck	Slightly broken up structure with various internal features, structures and items visible in the data, such as two dark cylindrical items, likely to be the two boilers and a mound that may link to coal spoil. Nearby items of debris seen to be scattered to the south-west. Previously located and identified by the UKHO as the <i>Groenlo</i> , a Dutch steamship lost after being torpedoed by an E-boat in 1941.	UKHO 10357
700835	Debris field	Collection of items amongst bedforms and located close to a larger area of debris associated with 70645. Due to line spacing not possible to confirm whether the feature comprises ferrous material.	-
700836	Debris	Elongate item with slight height, close to a number of items and a debris field and to a larger area of debris associated with 70645. Due to line spacing not possible to confirm whether the feature comprises ferrous material.	-
700837	Debris	Item with slight height, close to a number of items and a debris field and to a larger area of debris associated with 70645. Due to line spacing not possible to confirm whether the feature comprises ferrous material.	-
700838	Debris	Small dark reflector amongst bedforms, potentially associated debris to nearby debris field and close to a larger area of debris associated with 70645. Due to line spacing not possible to confirm whether the feature comprises ferrous material.	-
700839	Debris	Faintly indistinct rectangular shaped item with hard corners, located close to debris field and to 70645. Due to line spacing not possible to confirm whether the feature comprises ferrous material.	-
700218	Wreck	A very large and dispersed wreck situated with detailed interior including likely structure such as slats and deck items, numerous items, seen as dark reflectors, with and without apparent height are visible within the wreckage. Two large objects with large shadows are possibly boilers. There are very large magnetic anomalies associated with this wreck indicating ferrous material is present or a ferrous construction. Previously located and identified by the UKHO as the steamship <i>Jim</i> built in 1908.	UKHO 10313



WA ID	Type	Summary	External ID
700244	Wreck	A very large and dispersed wreck possibly broken into two pieces. A large number of distinct dark reflector objects are visible with significant height, angular objects and linear pieces are discernible in the wreckage. There is a very large magnetic anomaly associated with this vessel indicating a possible ferrous construction or cargo. Previously located and identified by the UKHO as the <i>Mangara</i> steamship that was torpedoed in 1915 by UB-16.	UKHO 10325
700255	Wreck	A distinct outline of a wreck that appears to be upright and relatively well intact with some disintegration at the bow. The vessel has numerous dark reflectors surrounding it, some of which are linear, which is likely to be associated wreck debris (including possible anchor and chain, 700254). There is a very large magnetic anomaly associated with this wreck indicating a ferrous construction or cargo. Previously located and identified by the UKHO as the steamship <i>Alastair</i> sunk in 1915 when it struck two mines.	UKHO 10331
700254	Debris	Small dark reflector with a non-tapering squared shadow and linear dark reflector extending from item to nearby wreck (700255). Likely a rope and item that may be linked to the wreck (possible anchor and chain) or related to an item that has been snagged on the wreck (fishing gear).	-
700257	Debris Field	Distinct series of dark and bright reflectors, most linear and with a complex magnetic variance of up to 290 nT. Located outside of the offshore cable corridor although the recommended Archaeological Exclusion Zone (AEZ) (see <b>Section 1.7.1</b> ) falls within the study area. Nearby ferrous debris (700258) appears of similar form.	-
700258	Debris Field	Two, straight linear items of debris next to one another with a large magnetic anomaly indicating ferrous material is present. Located close to a larger collection of ferrous debris located outside of the offshore cable corridor (700257) and thought to be associated.	-
700262	Wreck	An outline of a medium sized wreck with no discernible height which suggests that potentially the structure is poorly degraded or is buried by sediment. There is a large magnetic anomaly associated with this wreck indicating a ferrous construction or cargo. Previously located by the UKHO as an unidentified wreck.	UKHO 87913
700263	Debris	A very distinct angular object alongside a narrow linear object with a very large magnetic anomaly associated with it indicating substantial ferrous material is present and likely ferrous debris. Located approximately 100m from wreck 700262.	-



WA ID	Type	Summary	External ID
700565	Recorded Wreck	Unidentified wreck recorded by the UKHO. The recorded location is not completely covered by the geophysical dataset although a very large magnetic anomaly is identified on the closest line of magnetometer data indicating a significant amount of ferrous material.	UKHO 87914
700591	Wreck	Appears upright with some additional debris outside the hull perimeter. Some internal structures are visible but indistinct. The wreck is associated with a very large magnetic anomaly. Previously located and identified by the UKHO as the steamship <i>Magdapur</i> , which struck a German mine in 1939, broke in two and sank with the loss of six men.	UKHO 10321
700590	Debris	Partially buried debris with some detail of internal structure visible. A separate distinct object with height and linear features are also visible within the boundary. Associated with a very large magnetic anomaly. Approximately 500m from wreck 700591, but not clearly associated.	-
700600	Seabed disturbance	Small round seabed disturbance located in an otherwise flat and featureless seabed, associated with a very large magnetic anomaly indicating a significant amount of ferrous material. Approximately 780m from wreck 700591, but not clearly associated.	-
700605	Debris	Very large object with a large, distinct, irregular shadow. Possibly partially buried wreck or debris associated with nearby wrecks. Appears to have an associated magnetic variance.	-
700786	Wreck	Appears to be relatively well intact and probably upright, few internal details but seen to have significant height. Associated with nearby magnetic (A2) anomaly 700787 (112 nT), although the magnetometer coverage does not extend to the wreck itself, so the features have been retained as two separate anomalies. The wreck is located outside the study area, however the wreck's associated AEZ (see <b>Section 1.7.1</b> ) falls within the study area and therefore has been retained. Previously located and identified by the UKHO as the steamship <i>Mascotte</i> , sunk in 1916 by a mine laid by U-6 with the loss of one man.	UKHO 10338

30. A total of 1065 (251 within the windfarm site and 814 within the offshore cable corridor) anomalies have been discriminated as A2. These sea bed features have been identified as being of possible anthropogenic origin and have the potential to represent archaeological material on the sea bed of maritime or aviation origin. Magnetic only anomalies (without visible surface expression) may indicate the presence of buried objects with ferrous content that are of archaeological potential.



31. Two records have been given an A3 discrimination. Feature 70700 is a possible wreck that was previously identified by Gardline in 2010 (Gardline 2011) but which has not been identified by Wessex Archaeology during any of the previous archaeological assessments. Feature 700563 corresponds to a charted unknown wreck site (UKHO 87912), the recorded location of which is beyond the coverage of the geophysical datasets.
32. There is also potential for the presence of further maritime and aviation archaeological material to be present, associated with Unit 8. These, post-transgression Holocene marine sediments are likely present as a thin veneer across much of the study area (although not always clearly visible on the SBP data), however in areas across the site, Unit 8 thickens into large sand waves. This mobile sediment could periodically bury and expose archaeological material of both maritime and aviation origin.

#### 1.3.4 Intertidal Archaeology

33. Note that there will be no direct interaction with the intertidal as landfall will be made via horizontal directional drilling (HDD), most potential impacts would therefore be avoided (see **section 1.4.3**).
34. There are five records from the Suffolk Historic Environment Record (HER) relating to heritage assets mapped as wholly or partially within the intertidal zone within the study area (**Figure 16.5** of the ES). One of these relates to the discovery of a clinker boat fragment washed up on the beach at Thorpeness Point (MSF 18832). This discovery indicates the potential for further wreck remains, and associated artefacts, to be present, either lost on or washed up on the beach. For example, the wreck of the brig *Tricksey Wee*, is recorded as having been stranded at Thorpeness Beach in 1886. However, the potential for the burial for substantial remains to be present within the shingle beach is significantly reduced in comparison to the preservation of finer grained, sandier beaches, for example. This suggests that the potential for maritime related artefacts is more likely limited to isolated discoveries.
35. The remaining four records all relate to World War II defences:
  - ARG032: Two World War II strongpoints on Thorpeness Common:
    - These two strongpoints are visible as structures and earthworks on aerial photographs from 1940 onwards, set back from the cliff edge.
  - ARG052: World War II coastal defences to the North of Thorpeness:
    - A pillbox and associated barbed wire obstructions of World War II date are visible as structures on aerial photographs.
  - LCS119: Extensive World War II beach scaffolding:





- An extensive length of World War II anti-invasion beach scaffolding is visible on aerial photographs as a structure, running for c. 7 km. Structures visible slightly to the east on the beach on aerial photographs of 1983 might also be the remains of beach scaffolding or the remains of earlier 'dragon's teeth' obstructions. Remains were also seen eroding from the cliff (concrete squares/blocks with remains of scaffolding poles cemented in).
  - ARG033: A World War II Chain Home Extra Low Station K164:
    - The site of a Chain Home Extra Low (CHEL) radar station at Thorpeness. It was commissioned by the Royal Air Force in 1942 to provide low-coverage radar during WWII. The site was being developed for housing by 1969.
36. During a walkover survey undertaken by Headland Archaeology (2018) for the proposed East Anglia TWO project, evidence of cliff erosion was noted where fragments of concrete and metal relating to World War II defences were observed on the beach and within the cliff section. ARG032 was possibly identified, viewed from beachfront as decayed metal eroding from cliff face and concrete collapsed onto beachfront. ARG052 was seen as eroded re-enforced concrete lumps located on the beach, heavily decayed and partially covered by beach stone. Ceramic building material and concrete rubble eroding from top of cliff face was also seen in the area of ARG033. No evidence of beach scaffolding (LCS119) was observed although remains could still be present, buried within the beach.
37. Based upon the results of the walkover survey, the potential for the remains of World War II defences within the study area should be considered high. This may include the remains of anti-invasion beach scaffolding.

## 1.4 Impact Assessment

### 1.4.1 Potential Impacts

38. The EIA for the proposed East Anglia TWO project identified the potential for impacts upon the historic environment including both direct (physical) changes and indirect changes (e.g. non-physical changes to the setting of heritage assets or alteration to heritage assets as a result of changes to physical processes arising as a result of the proposed East Anglia TWO project).
39. Direct impacts to heritage assets, either present on the seafloor or buried within sea bed deposits, may result in damage to, or total destruction of, archaeological material or the relationships between that material and the wider environment (stratigraphic context or setting). These relationships are crucial to developing a full understanding of an asset. Such impacts may occur if heritage assets are present within the footprint of elements of the proposed East Anglia TWO project



- (i.e. foundations or cables) or within the footprint of activities such as sea bed clearance, anchoring or the placement of jack up barges.
40. The proposed East Anglia TWO project also has the potential to change the hydrodynamic and sedimentary process regimes, both locally and regionally. Alterations to hydrodynamic and sedimentary process regimes may result in impacts of an in-direct (physical) nature occurring upon heritage assets. Changes in coastal processes can lead to re-distribution of erosion and accretion patterns while changes in tidal currents, for example, may affect the stability of nearby morphological and archaeological features. Indirect impacts to heritage assets may occur if buried heritage assets become exposed to marine processes, due to increased wave / tidal action for example, as these will deteriorate faster than those protected by sediment cover. Conversely, if increased sedimentation results in an exposed site becoming buried this may be considered a beneficial impact.
  41. Indirect impacts upon the setting of heritage assets have the potential to occur throughout the lifetime of the project, thus encompassing all phases, from construction, into operation and subsequent decommissioning. The setting of a heritage asset is the surroundings in which a heritage asset is experienced (Historic England 2017). Elements of a setting may make a positive or negative contribution to the significance of an asset, may affect the ability to appreciate that significance or may be neutral. Indirect impacts to setting may occur if a development affects the surroundings in which a heritage asset is experienced.
  42. Similarly, impacts to the character of the historic seascape may occur with the introduction of new elements causing a change in that character which may affect present perceptions of that seascape across an area. Indirect impacts upon the setting of heritage assets may arise as a result of above sea bed infrastructure for the project during the operational phase, the effects of which may be long-term or permanent in nature. Indirect impacts upon the setting of heritage assets may also arise as a result of construction and decommissioning works, although effects will be, by comparison, shorter in duration and of a temporary nature.

#### 1.4.2 Mitigation and Best Practice

43. Mitigation measures for offshore and intertidal archaeology are set out in **Table 1.9**. Mitigation is split between known heritage assets (A1s) which is embedded in the project design, and unknown heritage assets (A2s and A3s) which is additional mitigation to the project design. These measures are secured through this WSI.



**Table 1.9 Mitigation for Offshore and Intertidal Archaeology and Cultural Heritage**

Parameter	Mitigation measures relevant to the historic environment	Relevant WSI Section
<b>Known heritage assets (A1s)</b>		
Geophysical survey data acquisition relating to the assessment of maritime and aviation archaeology (pre-construction).	The results of the archaeological assessment of the SSS and MBES data undertaken to date have been integrated with the existing magnetometer data and wider research to ensure that the extent of the impact of the proposed project on the significance of any maritime or aviation heritage assets is adequately understood.	<b>Section 1.6.1</b>
Geophysical and geotechnical data acquisition relating to sea bed prehistory (pre-construction).	The level of existing geophysical and geotechnical data allows the applicant to provide a description of the significance of potential prehistoric heritage assets which could be affected by the proposed project. Although no further geotechnical surveys will be carried out prior to consent, the existing data will be used to prepare an initial deposit model which will inform a phased and targeted approach to further assessment to be carried out post-consent. A deposit model, as necessary to both inform the assessment of, and provide mitigation for, potential impacts, is the result of a phased programme of analysis relative to the complexity of the palaeoenvironmental sedimentary sequences encountered within any given project area.	<b>Section 1.6.1 and section 1.6.2</b>
Avoidance and Micro-siting	AEZs are to be implemented around the extents of known wreck sites and anomalies of archaeological interest (A1s) and the recorded point locations of previously recorded sites that have not been seen in the geophysical data (A3s) but at which archaeological material is likely to be present (possibly buried). No project related activities will take place within the established parameters of the AEZs.	<b>Section 1.7.1</b>
Watching Briefs	Watching briefs will be undertaken, as and where appropriate, where sea bed material is brought to the surface (e.g. during pre-lay grapnel runs) and for any intrusive works carried out in the intertidal zone (e.g. HDD).	<b>Section 1.7.2</b>
<b>Unknown heritage assets (A2s and A3s)</b>		
Geophysical survey data acquisition relating to the assessment of maritime and aviation	Any geophysical data acquired for the project prior to construction will be archaeologically assessed. The planned surveys will result in full coverage of the areas within which construction will take place (corresponding to the final windfarm layout and cable route) with SSS, MBES and magnetometer data.	<b>Section 1.6.1</b>



Parameter	Mitigation measures relevant to the historic environment	Relevant WSI Section
archaeology (pre-construction).		
Geophysical and geotechnical data acquisition relating to sea bed prehistory (pre-construction).	Any geophysical data relevant to the assessment of seabed prehistory (including both SBP and MBES data) and geotechnical data acquired for the project prior to construction will also be archaeologically assessed. There will be archaeological input into any future sampling programmes.	<b>Section 1.6.1 and section 1.6.2</b>
Avoidance and Micro-siting	The avoidance of identified anomalies (A2s) and previously recorded sites that have not been seen in the geophysical data (A3s) and at which the presence of surviving material is considered unlikely (although it cannot be entirely discounted) will be achieved by micro-siting the project design, where possible and within the confines of engineering and other environmental constraints.	<b>Section 1.7.1</b>
Further investigation where avoidance is not possible	Any identified anomalies (A2s) and previously recorded sites (A3s) that cannot be avoided by micro-siting of design will be subject to further investigation so that their character, nature and extent can be more fully understood and appropriate mitigation measures to reduce or off-set impacts can be determined.	<b>Section 1.6.2</b>
Protocol for Archaeological Discoveries	In the event of impact to potential sites, the establishment of a formal protocol to ensure that any finds are promptly reported, archaeological advice is obtained, and any recovered material is stabilised, recorded and conserved.	<b>Section 1.10</b>

### 1.4.3 Impact Assessment Summary

44. With due consideration of the mitigation outlined in **Table 1.9**, potential impacts to archaeology and cultural heritage below MHWS have been assessed as part of the EIA for the proposed East Anglia TWO project. A summary of the impacts and suggested mitigation is provided in **Table 1.10**.



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**Table 1.10 Summary of Potential Impacts Identified for Offshore and Intertidal Archaeology**

Potential Impact	Receptor	Value/ Sensitivity	Magnitude	Significance	Examples of Potential Mitigation Measures	Residual Impact
<b>Construction</b>						
Direct impact to known heritage assets	Wrecks and Anomalies (A1)	High	High	Major adverse	Nothing further to embedded mitigation (AEZs)	<b>No impact</b>
	A3 wrecks	High	High	Major adverse	Additional mitigation (AEZs/Avoid location)	<b>No impact</b>
	Additional anomalies (A2)	High	High	Major adverse	Additional mitigation (Avoid location)	<b>No impact</b>
	Intertidal assets	Negligible /Medium	No impact	No impact	None	<b>No impact</b>
Direct impact to potential heritage assets	<i>In situ</i> prehistoric, maritime or aviation sites	High	High	Major adverse	Further assessment of geophysical and geotechnical data post-consent.	<b>Minor adverse</b>
	Intertidal assets	Negligible / Medium	No impact	No impact	None	<b>No impact</b>
	Isolated finds	Medium	Low	Minor adverse	Protocol to be established	<b>Minor adverse</b>



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Potential Impact	Receptor	Value/ Sensitivity	Magnitude	Significance	Examples of Potential Mitigation Measures	Residual Impact
Indirect impact to heritage assets from changes to physical processes	Known and potential heritage assets	Low to High	None / Nil	No impact	None	<b>No impact</b>
Impacts to the setting of heritage assets and historic seascape character	Perceptions of historic character will remain unchanged or will result in a potential beneficial change. In terms of setting, it has been concluded that any changes to setting due to construction activities would be temporary and of sufficiently short duration that they would not give rise to material harm (see <b>Chapter 24 Archaeology and Cultural Heritage</b> for further information regarding onshore and inter-tidal heritage assets).					
Impacts to site preservation conditions from drilling fluid breakout	Intertidal assets	Negligible / Medium	Negligible	Negligible/Minor or	None	<b>Negligible/Minor adverse</b>
<b>Operation</b>						
Direct impact to known heritage assets	As for construction					<b>No impact</b>
Direct impact to potential heritage assets	<i>In situ</i> prehistoric, maritime or aviation sites	High	High	Major adverse	Further assessment of geophysical and geotechnical data post-consent.	<b>Minor adverse</b>

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Potential Impact	Receptor	Value/ Sensitivity	Magnitude	Significance	Examples of Potential Mitigation Measures	Residual Impact
Indirect impact to heritage assets from changes to physical processes	Known and potential heritage assets	Low to High	Negligible	Minor Adverse	None	<b>Negligible</b>
Impacts to the setting of heritage assets and historic seascape character	Perceptions of historic character will remain unchanged or will result in a potential beneficial change. The planned infrastructure at the landfall, comprising buried cables installed using HDD, is not considered to give rise to material harm to the setting of intertidal assets. The baseline setting of known wrecks within the offshore cable corridor are already influenced by passing vessels in this area associated with industry, fishing and recreation, thereby reducing the sensitivity and potential magnitude of change. The potential impact to the setting of marine heritage assets is considered to be of negligible magnitude and of minor adverse significance.					
Impacts to site preservation conditions from heat loss from installed cables	Known and potential heritage assets	Low to High	No impact	No impact	None	<b>No impact</b>
<b>Decommissioning</b>						
Direct impact to known heritage assets	As for construction					<b>No impact</b>
Direct impact to potential heritage assets	<i>In situ</i> prehistoric, maritime or aviation sites	High	High	Major adverse	Further assessment	<b>Minor adverse</b>

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Potential Impact	Receptor	Value/ Sensitivity	Magnitude	Significance	Examples of Potential Mitigation Measures	Residual Impact
Indirect impact to heritage assets from changes to physical processes	As for construction					<b>No impact</b>
Impacts to the setting of heritage assets and historic seascape character	<p>Perceptions of historic character will remain unchanged or will result in a potential beneficial change.</p> <p>In terms of setting, it has been concluded that any changes to setting due to decommissioning activities would be temporary and of sufficiently short duration that they would not give rise to material harm (see <b>Chapter 24 Archaeology and Cultural Heritage</b> for further information regarding onshore and inter-tidal heritage assets).</p>					





## 1.5 Roles, Responsibilities and Communications

45. Overall responsibility for the implementation of the final Offshore WSI will lie with the Applicant who will ensure that its agents and contractors are contractually bound to adhere to the terms of the final Offshore WSI and to implement the protocol for archaeological discoveries (**section 1.10**)
46. For each package of archaeological works the Applicant or its agents will, as required, procure the services of specialist archaeological contractors with the requisite experience and expertise to undertake the necessary works. In addition, the Applicant will retain the services of a suitably qualified and experienced archaeological contractor (the retained archaeologist) to ensure the effective implementation of the final Offshore WSI and other contractual commitments in relation to archaeology.
47. The responsibilities of a retained archaeologist include:
- Compiling, reviewing and updating this outline Offshore WSI following consultation with the Applicant and the regulators (MMO) and curators (Historic England) post-consent to produce a final, agreed Offshore WSI;
  - Advising the Applicant on their responsibilities regarding the implementation of the final Offshore WSI and the protocol for archaeological discoveries;
  - Compiling, agreeing and issuing method statements for archaeological contractors to adhere to, following consultation with the Applicant and the regulators and curators;
  - Advising the Applicant on the necessary interaction with the regulators, curators and other third parties;
  - Procuring, monitoring the work of, and liaising with specialist archaeological contractors;
  - Monitoring the preparation and submission of archaeological reports as appropriate and making them available to the regulators and curators for review and approval; and
  - Advising the Applicant on any final requirements and arrangements for further analysis, archive deposition, publication and popular dissemination.
48. All agents and contractors engaged by the Applicant will:
- Familiarise themselves with the requirements of the final Offshore WSI and make it available to their staff, explaining the requirements and need for strict adherence;
  - Familiarise themselves with the protocol for archaeological discoveries (**section 1.10**) and ensure the implementation of and adherence to the



- protocol by staff, including ensuring staff awareness of the protocol and making staff available for training through toolbox talks, as necessary;
- Assist and afford access to archaeological contractors as advised by the Applicant and the retained archaeologist; and
  - Inform the retained archaeologist and the archaeological contractors of any environmental or health and safety constraints of which they may be aware that is relevant to the archaeologist's activities on site.
49. The specific responsibilities of specialist archaeological contractors during subsequent phases of work will be set out in separate task/work package specific method statements.
50. The regulatory body responsible for enforcing conditions specified in the DML is the MMO. The regulatory body responsible for enforcing the implementation of requirements within the DCO is the relevant Planning Authority in which the works are situated.
51. The MMO's statutory advisor on the marine historic environment and the archaeological curators for heritage matters offshore (below MHWS) is Historic England. The archaeological curators responsible for heritage matters onshore (above MLWS and including the intertidal zone) are Suffolk County Council Archaeological Service (Development Control and Planning).
52. Prior to and during the course of any geoarchaeological recording, assessment and analysis, consultation with the Historic England Regional Science Advisor for the East of England is also recommended to agree on the suitability of the approach.

## 1.6 Methodology for Further Site Investigation

### 1.6.1 Marine Geophysical Investigations

53. The geophysical data assessed by Wessex Archaeology to inform the ES is summarised in **section 1.3.1** above.
54. Data from the East Anglia TWO windfarm site comprised SSS and MBES (75m line spacing) acquired for the project by Gardline in 2017 and SBP and magnetometer (1000m line spacing) acquired for the ZEA, also by Gardline in 2010.
55. Within the offshore cable corridor, beyond the boundary of the former East Anglia Zone covered by the ZEA, SSS, MBES, SBP and Magnetometer data were acquired by Bibby in 2018. Within the northern section of the offshore cable corridor, which corresponds to the area within the former East Anglia Zone boundary, only SSS and MBES were acquired by Bibby. Line spacing and orientation varied depending on water depth and tidal currents. Within this



northern section, therefore, the SBP and magnetometer (1000m line spacing) acquired for the ZEA by Gardline in 2010, was used for the archaeological assessment.

56. While this combination of new and existing data provides full coverage of the study area by SSS and MBES data, only those areas beyond the former East Anglia zone covered by the ZEA, where new data was acquired by Bibby in 2018, are also provided full coverage with SBP and magnetometer data. For the East Anglia TWO windfarm site and for the northern section of the offshore cable corridor therefore, due to the 1000m line spacing of the 2010 data, it is possible that smaller palaeolandscape features, such as cut and fill features, and further ferrous features may be present in the areas between the surveyed corridors for the SBP and magnetometer data.
57. The archaeological assessment of any further geophysical data acquired for the project, therefore, forms part of the commitment by the Applicant to have additional mitigation (see **section 1.4.2**).
58. Prior to the acquisition of further survey data during the pre-construction phase it is recommended that a data review is undertaken by a suitably qualified and experienced archaeological contractor in order to qualify the continued suitability of the existing data and assessment to the project. This will include the identification of any data gaps and will inform the acquisition of further geophysical data before the start of the pre-construction phase.
59. The overarching objectives of the assessment of marine geophysical survey data are to:
  - Identify known heritage assets and provide additional detail on the nature and extent of those assets;
  - Identify previously unidentified seabed features;
  - Identify buried palaeolandscape features that help to clarify the nature of the submerged prehistoric landscape; and
  - Monitor construction and post-construction effects.
60. As part of the data review, the archaeological contractor should identify specific objectives to inform the scope of further survey work. The acquisition and assessment of geophysical data will be carried out in accordance with good practice as set out in the Model Clauses and in industry guidelines including:
  - Plets R., Dix J. and Bates R. (2013) Marine Geophysical Data Acquisition, Processing and Interpretation – guidance notes. Guidance prepared for Historic England.



61. Historic England will be consulted on the scope of all further geophysical surveys undertaken for the project in order to ensure that the data generated are sufficiently robust to meet these archaeological objectives and to enable professional archaeological interpretation and analysis.
62. As identified in the ES, the greatest potential for previously undiscovered wreck material to be present is most likely to be associated with areas of sand waves where greater depths of sand may have incorporated and buried archaeological remains. Locations with large mobile sand waves represent less favourable ground conditions for wind farm construction and are anticipated to be avoided as far as possible in the final layout. However, in areas where sand waves are present seabed preparation may be required by dredging to provide a level formation prior to installation.
63. It should also be noted that not all archaeological remains are readily identifiable through geophysical survey, particularly non-ferrous buried remains, for example. Specific consideration will, therefore, need to be given to the scope of geophysical survey which incorporate archaeological objectives and the limitations of geophysical equipment to penetrate the depth of mobile sediment likely to be impacted where archaeological material, particularly non-ferrous material, could be buried.
64. Data will be processed, assessed and interpreted by a suitably experienced and qualified archaeological contractor and integrated with the existing assessments as outlined above and in **section 1.3.1**. Data will be provided in raw format to allow the data to be processed by the archaeological contractor using appropriate software in order to facilitate archaeological assessment and interpretation. Vessel trackplots and factual reporting will also be made available to the archaeological contractor.
65. A method statement will be issued by the Applicant in advance of any further geophysical survey campaigns that incorporate archaeological objectives, as advised by the retained archaeologist and/or archaeological contractor. The method statement will set out the specific details of the campaign and the methodology for archaeological assessment in order to inform consultation with Historic England. Archaeological briefings for survey staff will be carried out prior to the commencement of surveys and the Applicant will be responsible for ensuring that surveys proceed in accordance with any planned method statement as agreed with Historic England.
66. The results of further geophysical interpretation will be compiled as an archaeological report consistent with the Model Clauses on reporting and will form part of the project archive (see **section 1.9**).



### 1.6.2 Geoarchaeological Investigations

67. Although the geoarchaeological assessments undertaken for the ZEA and for the East Anglia ONE and East Anglia THREE were reviewed by Wessex Archaeology to inform the assessment of seabed prehistory, no new geotechnical data was acquired for the proposed East Anglia TWO project. The geoarchaeological assessment of all further geotechnical data acquired for the project, therefore, forms part of the commitment by the Applicant to additional mitigation (see **section 1.4.2**).
68. Historic England will be consulted on the scope of all further geotechnical surveys and all geotechnical investigations and subsequent geoarchaeological assessments commissioned by the Applicant will be undertaken in accordance with the Model Clauses (The Crown Estate 2010) and with industry best practice as set out in:
- Offshore Geotechnical Investigations and Historic Environment Analysis: Guidance for the Renewable Energy Sector (Gribble and Leather 2011);
  - Environmental Archaeology: A Guide to the theory and practice of methods, from sampling and recovery to post-excavation (Historic England 2011); and
  - Geoarchaeology: using earth sciences to understand the archaeological record (Historic England 2007).
69. In planning geotechnical surveys, which may be undertaken primarily to meet engineering / design objectives, in order to incorporate archaeological objectives, general provisions should include:
- Micro-siting of borehole/vibrocore locations to avoid recommended AEZs and anomalies of possible archaeological interest, as set out in **section 1.7.1**;
  - Comparison of the proposed locations to the positions of previously identified paleogeographic features and deposits of archaeological interest and consideration given to micro-siting the proposed locations to ensure that opportunities to obtain samples to inform archaeological interpretation are not missed; and
  - Consideration given to the acquisition of a second ‘archaeology only’ cores at specific locations, if required, following advice from the retained archaeologist, the geoarchaeological contractor and in consultation with Historic England. This may be required to investigate key objectives, such as the identification and analysis of the silty sand deposits between the Brown Bank and Yarmouth Roads Formations, interpreted as reworked Saalian (Wolstonian) material following the dating using OSL of deposits the within East Anglia ONE wind farm site (Scottish Power Renewables, 2019)



70. During all geotechnical surveys, all operatives should observe the protocol for archaeological discoveries, as set out in **section 1.10**.
71. The Applicant will procure the services of a specialist geoarchaeological contractor to undertake assessment, and, if required, palaeoenvironmental analysis and dating. The primary aim of any geoarchaeological investigations will be the development of a Quaternary (sedimentary) deposit model for the study area.
72. Geoarchaeological assessment will also be carried out in accordance with existing interpretations of SBP data assessed for the proposed East Anglia TWO project. As set out above in **section 1.6.1**, any further SBP data acquired for the project will be assessed by a suitably qualified and experienced archaeological contractor for integration with the results of the geotechnical surveys and any subsequent geoarchaeological assessment.
73. Prior to the commencement of any site investigation campaign a method statement will be issued by the Applicant setting out the specific details of the campaign once the geoarchaeological requirements and locations have been established in order to inform consultation with Historic England.
74. Archaeological briefings for survey staff will be carried out prior to the commencement of surveys and the Applicant will be responsible for ensuring that surveys proceed in accordance with any planned method statement agreed with Historic England.
75. The results of further marine geoarchaeological assessment will be compiled as an archaeological report consistent with the Model Clauses on reporting and will form part of the project archive (see **section 1.9**).

### 1.6.3 Archaeological Investigation using Divers and / or ROVs

76. The principal objective of diver / ROV investigation will be to further establish the archaeological interest of previously unidentified seabed features seen in the geophysical data in order to inform the strategy of avoidance through revisions to the scheme design.
77. It is possible that certainty of the nature and extent of individual anomalies (A2s) may only be achieved through the use of drop down cameras or diver / ROV survey. Ground truthing may also be required in order to clarify the extent of a site in order to alter (enlarge, reduce, move or remove) AEZs (**section 1.7.1**).
78. All ground truthing that may be required to inform the construction of the proposed East Anglia TWO project will be carried out in accordance with good practice as set out in the Model Clauses.



79. Diver or ROV-based investigations will take place as required and, where the primary objectives are archaeological, operations will be led by archaeologists. However, it may also be possible to combine such surveys with non-archaeological objectives, for identification of UXO for example.
80. In order to maximise the potential benefits of any proposed diver or ROV surveys, the Applicant will seek archaeological input at the planning stage of any such works. Any such survey specification will be informed by previous stages of the project, including the East Anglia TWO ES and assessment of geophysical data (pre- and post-consent) so that archaeological considerations can be taken into account. Following the completion of a diver / ROV survey, all data, including video footage, will be reviewed by an archaeological contractor with appropriate expertise.
81. A detailed method statement for any archaeological works will be agreed in advance of works commencing with Historic England.
82. The results of diver / ROV assessment will be compiled as an archaeological report consistent with the Model Clauses on reporting and will form part of the project archive (see **section 1.9**).

#### 1.6.4 Reporting of Survey Data

83. Following analysis of survey data as specified above (**section 1.6.1, 1.6.2 and 1.6.3**) each package of works will be accompanied by written reports pursuant to the requirements of those works and demonstrating appropriate planning, recording, data management and commitment to archiving and public dissemination of results (see **section 1.9**).
84. Once agreed, the methodology for each package of works will be set out in a method statement to be prepared for the Applicant by the retained archaeologist or by archaeological contractors monitored by the retained archaeologist. Each method statement will be prepared according to the requirements of this outline Offshore WSI and appended to it. This will allow for the production of short, succinct method statements, avoiding the need for repetition of the contents and commitments set out in this outline Offshore WSI and will facilitate focus upon specific details of individual work packages only.
85. Each method statement will be submitted for agreement with Historic England (and with Suffolk County Council Archaeological Service for any works above MLWS) a minimum of 6 weeks prior to the planned commencement of the survey. This will allow for sufficient time for the archaeological curators to review the method statement and for any amendments to be completed and agreed.
86. All archaeological reporting undertaken as a result of the East Anglia TWO site investigations (geophysics, geoarchaeology and diver and / or ROV survey) will



comply with the Model Clauses on reporting (The Crown Estate 2010). All reporting will form part of the overall project archive. Each archaeological report will satisfy the method statement for the investigation and will present the project information in sufficient detail to allow interpretation without recourse to the project archive.

87. On completion of archaeological works relating to construction of the scheme, an overarching report on the archaeology of the scheme will be prepared. Further details for reporting, archiving and publication are set out in **section 1.9** below.

## 1.7 Delivery of Mitigation

### 1.7.1 Archaeological Exclusion Zones

88. The principal objective of an AEZ is to prevent damage to or disturbance of a wreck, aircraft or features on the seafloor during activities that may cause direct impacts to a receptor. A requirement for provision to be made, where feasible, for the *in situ* conservation of heritage assets is established through the European Convention on the Protection of the Archaeological Heritage (revised) (Valletta 1992) (Article 4).
89. The implementation, monitoring and modification of AEZs will take place in accordance with the measures specified in the Model Clauses.
90. AEZs preclude development activities from taking place within their boundaries, thereby avoiding significant impacts to assets contained within. The position, extent and design of an AEZ should take into account all available information including geology, hydrology and sediment transport and should extend around the boundaries of the asset rather than around a centre-point within the site. In addition, an AEZ will incorporate a buffer in order to ensure that all material associated with that asset is encapsulated within its boundary, as well as to reduce the risk of unintentional impacts.
91. Subject to approval by Historic England, AEZs have been proposed for the ten A1 anomalies within the East Anglia TWO windfarm site. For the five wrecks, an AEZ of 50m around the wreck extent has been recommended. For the five items of wreck debris, an AEZ of 15m has been recommended. However, in all cases this is already covered by the wreck's recommended 50m AEZ. Similarly, there are 17 recommended AEZs within the offshore cable corridor which cover the 26 A1 anomalies identified in the data and recorded wreck (A3) (**Table 1.11**). AEZs may be reduced, enlarged or removed in agreement with Historic England as further relevant information (e.g. pre-construction geophysical surveys, ROV / Diver investigations) becomes available post-consent.
92. The known heritage assets and AEZs described above are illustrated on **Figure 16.5** of the ES and detailed in **Table 1.11**.





**Table 1.11 Recommended AEZs within the Offshore Development Area**

WA ID	Type	Position		Recommendation
		Easting	Northing	
<b>Windfarm Site</b>				
70684	Wreck	443175	5776176	50m buffer around current feature extent
700107	Debris	443140	5776163	15m buffer around feature (incorporated within AEZ for wreck 70684)
700108	Debris	443144	5776172	15m buffer around feature (incorporated within AEZ for wreck 70684)
700109	Debris	443141	5776217	15m buffer around feature (incorporated within AEZ for wreck 70684)
70707	Wreck	445607	5775865	50m buffer around current feature extent
700065	Debris	445621	5775879	15m buffer around feature (incorporated within AEZ for wreck 70707)
700066	Debris	445620	5775875	15m buffer around feature (incorporated within AEZ for wreck 70707)
70717	Wreck	447661	5768102	50m buffer around current feature extent
700104	Wreck	445160	5785231	50m buffer around current feature extent
700106	Wreck	443119	5776076	50m buffer around current feature extent (immediately to the south west and partially merged with AEZ for wreck 70684)
<b>Offshore Cable Corridor</b>				
70639	Debris field	429622	5797407	100m buffer around current feature extent
700823	Debris	429573	5797373	15m buffer around feature (incorporated within AEZ for debris field 70639)
700824	Debris	429585	5797375	15m buffer around feature (incorporated within AEZ for debris field 70639)
700822	Debris	429487	5797383	15m buffer around feature (immediately adjacent to AEZ for 70639)
70641	Wreck	430250	5796405	50m buffer around current feature extent
700829	Debris	430247	5796406	15m buffer around feature (incorporated within AEZ for wreck 70641)
70645	Wreck	431268	5798215	50m buffer around current feature extent (merges with AEZ for debris field 700835)



WA ID	Type	Position		Recommendation
		Easting	Northing	
700835	Debris field	431208	5798167	50m buffer around current feature extent (merges with AEZ for wreck 70645)
700836	Debris	431225	5798178	15m buffer around feature (incorporated within AEZ for wreck 70645 and debris field 700835)
700837	Debris	431228	5798179	15m buffer around feature (incorporated within AEZ for wreck 70645 and debris field 700835)
700838	Debris	431237	5798179	15m buffer around feature (incorporated within AEZ for wreck 70645 and debris field 700835)
700839	Debris	431245	5798189	15m buffer around feature (incorporated within AEZ for wreck 70645 and debris field 700835)
700218	Wreck	407392	5782532	50m buffer around current feature extent
700244	Wreck	410382	5785290	50m buffer around current feature extent
700255	Wreck	413082	5787765	50m buffer around current feature extent
700254	Debris	413086	5787738	15m buffer around feature (incorporated within AEZ for wreck 70255)
700257	Debris field	411763	5788611	50m buffer around current feature extent (immediately to the north and merged with AEZ for debris field 700258)
700258	Debris field	411768	5788539	15m buffer around current feature extent (immediately to the south and merged with AEZ for debris field 700257)
700262	Wreck	408286	5783069	50m buffer around current feature extent
700263	Debris	408289	5783167	15m buffer around feature
700590	Debris	411428	5783615	15m buffer around feature
700591	Wreck	411648	5783222	50m buffer around current feature extent
700600	Seabed disturbance	411596	5782442	15m buffer around feature
700605	Debris	413543	5788077	15m buffer around feature
700786	Wreck	416532	5790383	50m buffer around current feature extent



WA ID	Type	Position		Recommendation
		Easting	Northing	
700563	Recorded Wreck	406008	5783583	100m around the recorded location (centre point)
700565	Recorded Wreck	406127	5783160	100m around the recorded location (centre point)

93. AEZs have not been recommended at this time for features assigned an A2 archaeological discrimination. Anomaly 70700 (assigned an A3 archaeological discrimination) is also not recommended for an AEZ at this time, on the basis that this feature (previously reported by Gardline in 2010) has not been identified at any phase of geophysical assessment by Wessex Archaeology and has no associated UKHO record. The positions of these features will be avoided by means of micro-siting the project design, where possible, as part of the additional mitigation. The archaeological assessment of pre-construction survey data, including high resolution geophysical data undertaken for the purposes of UXO identification (see **section 1.6.1**), will further clarify the nature and extent of these anomalies and the scheme design would be modified to avoid heritage assets where possible. If features cannot be avoided, then additional work may be required to establish the archaeological interest of the feature (e.g. investigation of individual anomalies (ground truthing) through ROV and / or diver survey) and to record features prior to removal, as appropriate (see **section 1.6.3**).

### 1.7.2 Archaeological Watching Briefs

94. Due to the use of long HDD to install cables at the landfall, watching briefs within the intertidal area will not be required. Within the intertidal zone, all known intertidal assets will be avoided through the use of HDD. HDD will be used at the landfall to install the cable ducts, passing below the beach deposits, and thereby avoiding intertidal assets.
95. In the event that activities are planned which may result in archaeological material being brought to the surface, through clearance operations and pre-lay grapnel runs, for example, on board supervision by a suitably qualified and experienced archaeologist may be required.
96. The approach to any archaeological watching brief which may be required will be agreed in consultation with Historic England. If areas subject to clearance are considered of medium or high archaeological potential, on board monitoring may be considered necessary to ensure appropriate consideration of archaeological material brought to the surface. In areas of low archaeological potential any material brought to the surface will be dealt with through the protocol for archaeological discoveries (see **section 1.10**).



97. It is anticipated that the archaeological assessment of high resolution geophysical data acquired during the pre-construction survey (see **section 1.6.1**) will allow for the spatial identification of locations where the risk of encountering unexpected archaeological material is higher. Such areas may include areas where large extended sand wave features are present, and which have greater potential for concealing archaeological remains, or areas where greater concentrations of geophysical anomalies of archaeological potential have been recorded, for example. Watching briefs may also be required if micro-siting to avoid seabed and sub-seabed features of potential archaeological interest is not feasible.
98. If required, the methodology for onboard watching briefs and / or monitoring will be set out in a method statement to be agreed in advance of works commencing with Historic England and in accordance with the Model Clauses.

### 1.7.3 Archaeological Samples and Artefacts

99. As specified in **section 1.6.2**, the retention of environmental samples, obtained during pre-construction geotechnical surveys, that are suitable for archaeological and palaeoenvironmental assessment, will be subject to geoarchaeological assessment.
100. Any finds encountered during activities associated with the proposed East Anglia TWO project will be treated in accordance with the relevant guidance provided in:
- Standards and guidance for the collection, documentation, conservation and research of archaeological materials (ClfA 2014c);
  - Model Clauses for Archaeological Written Schemes of Investigation: Offshore Renewables Projects (The Crown Estate 2010); and
  - First Aid for Underwater Finds (Robinson 1998).
101. General specifications set out in the Model Clauses (The Crown Estate 2010) are summarised below.
102. Isolated discoveries of artefacts that may come to light during the course of the development will be dealt with through the protocol for archaeological discoveries (see **section 1.10**).
103. With regard to archaeological works from the point of discovery, all finds will be held by the archaeological contractor in appropriate conditions pending further recording, investigation, study or conservation. Contingency will be made for specialist conservation advice from an appropriately qualified and experienced archaeological conservator should unexpected, unusual or extremely fragile and delicate objects be recovered. All care of finds will follow appropriate guidance



- (such as English Heritage 2008; English Heritage 2010; English Heritage 2012; Fell et al. 2006).
104. Recovered objects will be selected, retained or disposed of in accordance with the policy agreed with the institution receiving the archive, and in consultation with the archaeological contractors.
  105. In the event that any item(s) of ordnance is discovered it should be treated with extreme care as it may not be inert. Guidelines on addressing UXO discoveries provided to contractors by the Applicant must be followed prior to any recording of items for archaeological purposes.
  106. In the case of the discovery of human remains, at all times they should be treated with due decency and respect. For each situation, the following actions are to be undertaken and, in any event, the retained archaeologist will inform the Applicant and the archaeological curators.
  107. For human remains within territorial waters where the remains have been intentionally buried, applications should be made to the Ministry of Justice for an exhumation licence. In all other cases, the retained archaeologist will immediately inform the Coroner and the Police.
  108. Where practical, the human remains will be left in situ, covered and protected. Where human remains have been found and development will unavoidably disturb them, the remains will be fully recorded, excavated and removed from the site only once the appropriate licence has been obtained. An appropriate Human Skeletal Biologist will, if required, be available to advise on and assist with the recovery and storage of human remains. The excavation, recording, analysis and storage of any human remains will be undertaken in line with the Guidelines to the Standards for Recording Human Remains (Mitchell and Brickley 2017) and follow best practice as appropriate (BABA0 2010; Mays 2004; Mays et al. 2013; McKinley and Roberts 1993).
  109. With regard to the remains of crashed aircraft, the majority of aircraft wrecks are military and so fall under the legal protection of the Protection of Military Remains Act 1986. Any finds that are suspected of being military aircraft will be reported immediately to the retained archaeologist. In the case of a military aircraft being investigated under licence, any human remains will be reported immediately. For isolated items of aircraft reported through the protocol for archaeological discoveries, advice can be provided through the Implementation Service (see **section 1.10**).
  110. All archaeological artefacts that have come from a ship are wreck for the purposes of the Merchant Shipping Act 1995. The Applicant, via their archaeological contractors, should ensure that the Receiver of Wreck is notified



within 28 days of recovery, by the Applicant or their agents, for all items of wreck that have been recovered.

111. All recovered materials will be subject to a conservation assessment to gauge whether special measures are required while the material is being held. This conservation assessment will be carried out by the retained archaeologist or an archaeological contractor with an appropriate level of expertise, with advice from appropriate specialists. The retained archaeologist (where appointed) or an archaeological contractor with appropriate expertise will implement recommendations arising from the conservation assessment. Where no special measures are recommended, finds will be conserved, bagged, boxed and stored in accordance with industry guidelines.

## 1.8 Monitoring

112. Monitoring requirements are anticipated to comprise:
- Monitoring of the final Offshore WSI by the retained archaeologist in order to ensure that the scheme of investigation is appropriate to the scheme design;
  - Monitoring of archaeological works by the archaeological curators, including monitoring of the effectiveness of AEZs; and
  - Monitoring during and post construction, including a conservation programme for finds (see **section 1.7.3**).
113. The performance of this WSI will be monitored during the course of the proposed East Anglia TWO project and, should elements of the proposed East Anglia TWO project change or particular archaeological issues come to light, any revisions to the approaches set out in this WSI would be agreed with the MMO in consultation with Historic England via the means of method statements prepared by the retained archaeologist and submitted for approval by the Applicant or their agents.
114. All reports prepared for each package of archaeological works will be disseminated to the MMO and Historic England by the Applicant, or their agents, so that the results can be reviewed, and any concerns addressed. All survey reports undertaken for the purposes of archaeological evaluation will be submitted to the MMO and Historic England within a specified timescale of the survey being completed to be agreed with the regulator.
115. Historic England and the MMO will be notified in advance by the Applicant or their agents of the commencement of work timetables and the commencement of any work on site that may have an impact on archaeology and will be informed at this time of the name and contact details for the retained archaeologist. During any site evaluation / investigation or construction work that has the potential to impact



archaeological remains, the retained archaeologist may liaise directly with Historic England with regard to site monitoring and reporting only after prior reference to the Applicant. The Applicant will be kept informed of all contact between the retained archaeologist and the archaeological curators.

116. In order to monitor the effectiveness of AEZs, periodic archaeological reports will be prepared by the Applicant, or by the retained archaeologist on behalf of the Applicant, to review whether there have been any incursions into each zone and whether there are still archaeological grounds for maintaining each zone. The frequency of such reports will be agreed with the MMO in consultation with Historic England but may include reports at the conclusion of key construction phases and a post-construction monitoring report, including an archaeological assessment of post-construction geophysical survey data. If it becomes apparent that activities have encroached upon an AEZ, the Applicant will seek advice from the retained archaeologist.
117. A post-construction monitoring report including the archaeological assessment of post-construction geophysical survey data relative to the baseline data will also assess the effects of any indirect impacts that may have occurred to heritage assets as a result of the wind farm construction. Based on the results of the initial post-construction review, any further requirements during the operation phase will be agreed in consultation with Historic England. Further monitoring may only be necessary if significant changes to coastal and / or offshore processes are identified or if new information relevant to the integrity of archaeologically important items comes to light.

## 1.9 Archaeological Recording, Reporting, Data Management and Archiving

118. Each package of archaeological works will be accompanied by written reports pursuant to the requirements of those works and demonstrating appropriate planning, recording and data management and commitment to archiving and public dissemination of results. As secured through condition 17(1)(g) of the Generation DML and condition 13(1)(g) of the Transmission DML, reports will be submitted to the MMO within four months of any survey being completed. Timescales for the completion of publications, if required, and the deposition of archives will be determined on a case by case basis, as appropriate to each individual work package and will be agreed with the archaeological curator.
119. For all aspects of recording, reporting, data management and archiving, the Applicant, their agents and archaeological contractors will adhere to standards and guidance as set out in the Model Clauses document (The Crown Estate 2010).



120. Each package of work will give rise to one or more archaeological reports, as set out in the method statement relating to the work. Each archaeological report will satisfy the method statement for the investigation and will present the project information in sufficient detail to allow interpretation without recourse to the project archive. Reports will typically include:
- A non-technical summary;
  - The aims and methods of the work;
  - The results of the work including finds and environmental remains;
  - A statement of the potential of the results;
  - Proposals for further analysis and publication (if appropriate); and
  - Illustrations and appendices to support the report.
121. Each archaeological report will be submitted in draft to the retained archaeologist for submission to the Applicant. If the report is prepared by the retained archaeologist, it will be submitted directly to the Applicant.
122. Decisions regarding the scope of post-fieldwork assessment will be made by agreement between the Applicant and the archaeological curators following submission of investigation reports and based on the possible importance of the results in terms of their contribution to archaeological knowledge, understanding or methodological development.
123. The assessment phase may include (but is not limited to) the following elements:
- The conservation of appropriate materials, including the X-raying of metalwork;
  - The spot-dating of all pottery from any investigation. This will be corroborated by the scanning of other categories of material;
  - The preparation of site matrices with supporting lists of contexts by type, by spot-dated phase, and by structural grouping supported by appropriate scaled plans;
  - An assessment statement will be prepared for each category of material, including reference to quantity, provenance, range and variety, condition and existence of other primary sources; and
  - A statement of potential for each material category and for the data set, as a whole, will be prepared, including specific questions that can be answered and the potential value of the data to local, regional and national investigation priorities.





124. On the basis of recommendations made by the post-fieldwork assessment, and as agreed by the relevant archaeological curators, mitigation requirements will be satisfied by carrying out analysis and reporting of the post-fieldwork assessment. If appropriate, this may include publication of important results in a recognised peer-reviewed journal or as a monograph.
125. On completion of archaeological works relating to construction of the scheme, an overarching report on the archaeology of the scheme will be prepared and submitted to the MMO and Historic England to a timetable to be agreed. This will be compiled as a coherent synthesis of all offshore and intertidal archaeological works undertaken for the proposed East Anglia TWO project.
126. It is accepted practice to keep project archives, including written, drawn, photographic and artefactual elements (together with a summary of the contents of the archive) together wherever possible and to deposit them in appropriate receiving institutions once their contents are in the public domain. Archives will be developed in line with guidance including:
- Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives (ClfA 2014b);
  - Environmental Guidelines for the Permanent Storage of Excavated Material from Archaeological Sites (Institute of Conservation 1984); and
  - Guidelines for the preparation of excavation archives for long-term storage (Walker 1990).
127. The relevant archaeological curators and the archaeological contractor will agree with the receiving institution a policy for the selection, retention and disposal of excavated material, and confirm requirements in respect of the format, presentation and packaging of archive records and materials, and will notify the receiving institution in advance of any fieldwork.
128. As secured through condition 17 of the Generation DML and condition 13 of the Transmission DML, the Applicant or their agents will produce an OASIS (Online Access to the Index of archaeological investigations) form for any completed and agreed archaeological reports produced as a result of the final WSI and ensure that a copy is submitted as a PDF file within six months of completion of construction of the offshore works. Notification of the completion of the OASIS form will be automatically sent to the National Record of Historic Environment, relevant local HERs, and the Historic England Marine Planning Unit and the MMO notified of this within two weeks of submission.



## 1.10 Protocol for Archaeological Discoveries

129. In order to account for unexpected discoveries of archaeological material during construction, operation and decommissioning, a formal protocol will be required. It is recommended that if any objects of possible archaeological interest are encountered, that they should be reported using the established Protocol for Archaeological Discoveries: Offshore Renewables Projects (The Crown Estate 2014) (ORPAD). This will establish whether the objects are of archaeological interest and recommend appropriate mitigation measures where necessary.
130. Activities during which previously unidentified sites or unexpected discoveries of material may be encountered include:
- Pre-construction surveys, for example:
    - Anomalies on the seabed identified by geophysical contractors;
    - Obstructions on the seabed encountered during geotechnical surveys or grab sampling;
    - Archaeological material within cores or grab samples; and
    - Seabed features identified during diver or ROV surveys.
  - Seabed clearance, pre-lay grapnel runs (e.g. finds brought to the surface);
  - Vessel anchoring (e.g. anchor caught on obstruction);
  - Installation of the export cables (e.g. obstruction interactions with plough); and
  - Installation of wind turbine foundations (e.g. obstruction interactions with jack-up legs).
131. ORPAD came into effect in December 2010 and applies to pre-construction, construction and installation, operation and maintenance activities in developing offshore renewable energy schemes where an archaeologist is not present on site. ORPAD also applies to operation and maintenance activities. The protocol allows for the effective reporting of discoveries of archaeological material in order to ensure that advice, concerning measures to address discoveries, is received, and implemented, in a timely and efficient manner.
132. Each vessel or worksite team has a Site Champion, a single person who is responsible for reporting discoveries to a Nominated Contact within the Developer's core team. The Nominated Contact uploads discoveries onto a secure web portal and the Implementation Service is alerted to the presence of new discoveries. The Crown Estate provides for the reporting and assessment of discoveries through the ORPAD Implementation Service, currently maintained by Wessex Archaeology.



133. Individual Site Champions for specific activities will be specified in work package method statements and the identity of the Site Champion will be clearly communicated to work teams, via pre-commencement briefings for example.
134. The Applicant will be responsible for ensuring that teams are provided with appropriate training in the application of ORPAD and that all staff and contractors are aware of their responsibilities under the protocol. The ORPAD documentation, including a full description of the methodology and requirements for implementing the protocol, can be found via the following web link:
- <https://www.wessexarch.co.uk/our-work/offshore-renewables-protocol-archaeological-discoveries>
135. Training to construction staff, site crews and work teams with regard to the practical application of the protocol in their day to day work can be provided by the Implementation Service or by an alternative sufficiently experienced and qualified archaeological contractor. Hard copies of the ORPAD document will be made available for use on board the construction vessels.
136. Provision will be made by the Applicant, in accordance with ORPAD, for the prompt reporting / recording to Historic England of archaeological remains encountered or suspected during works. If the find is a wreck within the meaning of the Merchant Shipping Act (1996) then a report will also be made to the Receiver of Wreck. If the find is treasure within the meaning of the Treasure Act (1996) then a report will also be made to the Coroner.
137. Following completion of the construction phase, a report will be prepared presenting the results of the ORPAD implementation during activities and submitted to the MMO within four months. In the event that no discoveries are made, a nil discoveries report should be compiled in order to demonstrate adherence to the scheme.



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## Appendix 1 Gazetteers

### Annex I: Shallow Geological Features

Shallow geological features in the East Anglia TWO windfarm site

ID	Classification	Archaeological discrimination	Description	Age
780000	Simple cut and fill	P2	Small simple cut and fill identified BSB, cut into the top of the interpreted RCG formation. Unit fill is relatively acoustically chaotic, with a faint basal reflector that is not always clearly discernible. Depth range: 0.6 - 6.6 m BSB.	Unknown
780001	Simple cut and fill	P2	Small simple cut and fill identified BSB, cut into the top of the interpreted RCG formation, possibly through a thin unit of overlying WK formation. Unit fill is relatively acoustically chaotic with a faint basal reflector. Depth range: 0.7 - 13.3 m BSB.	Unknown
780002	Base of BNB	P2	BNB channel identified BSB, infilling a depression the top of the interpreted RCG formation. Feature has a distinct, occasionally undulating base and multiple phases of well layered fill, indicating multiple phases of deposition. Some possible dune features are identified within (780003 and 780004) which may indicate a significant period of aerial exposure. Depth range 0.7 - 12.8 m BSB.	Devensian
780003	Dune features	P1	Possible relict dune features identified above the base of, and beneath a unit of interpreted BNB formation, possibly indicative of terrestrial land formations, however may also be subaqueous in formation. If terrestrial, it suggests they formed during a significant period of aerial exposure and may protect a buried land surface. The unit fill is relatively acoustically chaotic. Depth range 3.2 - 6.6 m BSB.	Devensian



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ID	Classification	Archaeological discrimination	Description	Age
780004	Dune features	P1	Possible relict dune features identified above the base of, and beneath a unit of interpreted BNB formation, possibly indicative of terrestrial land formations, however may also be subaqueous in formation. If terrestrial, it suggests they formed during a significant period of aerial exposure and may protect a buried land surface. The unit fill is relatively acoustically chaotic. Depth range 3.1 - 6.7 m BSB.	Devensian
75401	Erosional surface	P2	A well layered unit with a distinct, occasionally undulating basal reflector, was identified BSB during the latest phase of geophysical data assessment, cut into the top of the interpreted RCG formation. The feature appears to correspond with a broad, relatively shallow reflector slightly cut into the overlying sediment, interpreted as being an erosion surface overlain by later sediment rather than a cut and fill, in the CRSA palaeogeographic assessment (Wessex Archaeology 2012). Although the shape of the features appear to differ slightly between the two assessments, this is likely due to differences in line spacing and line orientation and, as such the two features have been grouped together. The fill is unknown although could possibly be part of BNB, however as this is uncertain, the age of the feature is unknown. Depth range 0.7 - 19.9 m BSB.	Unknown



Shallow geological features in the East Anglia TWO offshore cable corridor

ID	Classification	Archaeological Discrimination	Notes	Age
75582	Channel	P1	A broad channel feature with a distinct basal reflector is identified directly BSB or beneath a veneer of modern marine sediments, cut into the interpreted RCG ground, orientated NNW - SSE. Unit fill is well layered and characterised by numerous subparallel reflectors and is interpreted as being a BNB channel. As the channel deepens towards the north the basal reflector becomes difficult to discern sand, as such, the depth range may be underestimated. The feature corresponds with a channel features 75403, 75580 and 75582 (Wessex Archaeology 2012 and 2014), and erosion surface 75402 (Wessex Archaeology 2012). The boundaries of the feature vary slightly between the three data assessments, likely due to differences in equipment, line spacing and line orientation and, as such, the features have been merged based on the newest dataset. Depth range: 0.2 m - 28.5 m BSB.	Devensian
<b>75584</b>	Simple cut and fill	P2	A possible poorly defined simple cut and fill feature cut into WK was identified in the EA3 offshore cable corridor palaeogeographic assessment (Wessex Archaeology report 74547), however was not identified during this assessment of the geophysical data, likely due to differences in survey line spacing and orientation. Single phase of acoustically chaotic fill, overlain by an accumulation of seabed sediment which is causing diffractions and partially obscuring the feature. Possible remnants of an eroded fluvial feature, though only identified on two survey lines. Depth Range: 0.8 m - 6.5 m BSB	Unknown
<b>75585</b>	Channel	P1	Shallow cut and fill feature cut into WK, well defined basal reflector with single phase of acoustically transparent fill was identified in the EA3 offshore cable corridor palaeogeographic assessment (Wessex Archaeology report 74547), however was not identified during this assessment of the geophysical data, likely due to differences in survey line spacing and orientation. Possible fluvial/channel feature though date is uncertain - could be Devensian (BNB) or Post-Devensian.	Unknown



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ID	Classification	Archaeological Discrimination	Notes	Age
75586	Simple cut and fill	P2	Shallow cut and fill feature cut into WK, well defined basal reflector with single phase of acoustically transparent fill was identified in the EA3 offshore cable corridor palaeogeographic assessment (Wessex Archaeology report 74547), however was not identified during this assessment of the geophysical data, likely due to differences in survey line spacing and orientation. Possible remnants of an eroded fluvial feature, though only identified on two survey lines. Depth Range: 0.5 m - 3.7 m BSB.	Unknown
75588	Channel	P1	Approximately NNW-SSE trending cut and fill feature cut into WK, generally well-defined, low relief basal reflector with single phase of acoustically unstructured fill was identified in the EA3 offshore cable corridor palaeogeographic assessment (Wessex Archaeology report 74547), however was not identified during this assessment of the geophysical data, likely due to differences in survey line spacing and orientation. Appears as a channel on some survey lines but more as a layer on others, generally towards its northern end. Possible channel feature filled with BNB sediments. Depth Range: 0.8 m - 11.7 m BSB.	Devensian
75404	Channel	P1	Small section of a north to south trending channel with a single phase of acoustically transparent and unstructured fill and overlain by a thin veneer of seabed sediment was identified in the East Anglia ONE palaeogeographic assessment (Wessex Archaeology 2012), however was not identified during this assessment of the geophysical data, likely due to differences in equipment, survey line spacing and orientation. Depth Range: 1.6 m - 10.0 m BSB.	Unknown

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ID	Classification	Archaeological Discrimination	Notes	Age
75405	Channel	P1	Small section of a north to south trending channel with a single phase of acoustically transparent and unstructured fill and overlain by a thin veneer of seabed sediment was identified in the East Anglia ONE palaeogeographic assessment (Wessex Archaeology 2012). The feature was not identified during this phase of geophysical data assessment, likely due to differences in equipment, survey line spacing and orientation. Feature is possibly related to nearby channel feature 780010 identified during the latest phase of data assessment however, as this is not certain, the features have not been grouped together. Age of fill unknown. Depth Range: 1.7 m - 15.6 m BSB.	Unknown
780005	Simple cut and fill	P2	Possible small simple cut and fill identified BSB, or beneath a unit of modern marine sand, cut into the top of the interpreted WK formation. Feature has relatively acoustically chaotic fill, possibly with more than one phase of fill although this is not clearly discernible, and a fairly indistinct basal reflector. Feature is close to channel feature 75589 (now located outside the revised boundary for the East Anglia TWO windfarm site), however they have not been grouped due to apparent differences in form and unit fill. It may be however that the two features are associated. Depth range: 1.1 - 8.2 m BSB.	Unknown
780008	Complex cut and fill	P2	Complex cut and fill with more than one phase of fill. Identified BSB cutting into the top of interpreted WK formation. Depth range: 0.5 - 7.8 m BSB.	Unknown
780010	Channel	P1	Small, shallow channel feature identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG. The feature has a distinct basal reflector and acoustically quiet fill, which may indicate that it is a fine-grained deposit. Possibly related to nearby channel feature 74540, which was identified during the 2012 data assessment however not seen on the most recent data set. Feature is orientated east to west. Depth Range: 0.4 - 5.1 m BSB.	Unknown



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ID	Classification	Archaeological Discrimination	Notes	Age
780011	Infilled depression	P2	A relatively broad, shallow infilled depression, orientated east to west, identified directly BSB or beneath a veneer of modern marine sediments, above the interpreted RCG formation. Feature has a distinct basal reflector and relatively acoustically quiet fill, which may indicate a fine-grained fill. Depth range: 0.5 - 5.9 m BSB.	Unknown
780012	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and some faint subparallel internal reflectors. Depth range 1.0 - 4.5 m BSB.	Unknown
780013	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and some possible faint subparallel internal reflectors. Feature appears to be running WSW to ENE, in line with features 780013 - 780017, which is seen to bisect towards the east. It is possible that these features are all part of the same relict channel system however, this cannot be confirmed. Depth range 0.6 - 5.3 m BSB.	Unknown
780014	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a relatively distinct basal reflector and some possible faint subparallel internal reflectors. Feature appears to be in line with features 780013 - 780017 and are possible all part of the same relict channel system however this cannot be confirmed. Depth range 0.7 - 3.5 m BSB.	Unknown
780015	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and some possible faint subparallel internal reflectors. Feature appears to be running WSW to ENE, in line with features 780013 - 780017, which is seen to bisect towards the east. It is possible that these features are all part of the same relict channel system however, this cannot be confirmed. Depth range 0.5 - 4.6 m BSB.	Unknown



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ID	Classification	Archaeological Discrimination	Notes	Age
780016	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and some possible faint subparallel internal reflectors. Feature appears to be running WSW to ENE, in line with features 780013 - 780017, which is seen to bisect towards the east. It is possible that these features are all part of the same relict channel system however, this cannot be confirmed. Depth range 0.8 - 4.5 m BSB.	Unknown
780017	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and some possible faint subparallel internal reflectors. Feature appears to be running WSW to ENE, in line with features 780013 - 780017, which is seen to bisect towards the east. It is possible that these features are all part of the same relict channel system however, this cannot be confirmed. Depth range 0.7 - 2.5 m BSB.	Unknown
780018	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and acoustically quiet fill. Feature is close to features 780013 - 780017 and may be related, however this cannot be confirmed. Depth range 0.7 - 2.5 m BSB.	Unknown
780019	Simple cut and fill	P2	A small, simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a faint basal reflector and acoustically quiet fill. Feature is close to features 780013 - 780017 and may be related however, this cannot be confirmed. Depth range 1.0 - 3.0 m BSB.	Unknown
780020	Simple cut and fill	P2	A small simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature is shallow with a faint basal reflector. Some possible subparallel reflectors. Depth range: 0.7 - 3.3 m BSB.	Unknown

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ID	Classification	Archaeological Discrimination	Notes	Age
780024	Base of BNB	P2	Unit of BNB identified directly BSB or beneath a veneer of modern marine sediments, sat above the top of the interpreted WK formation. Feature has a distinct basal reflector and more than one phase of fill, indicating multiple phases of deposition. Depth range: 0.4 - 26.9 m BSB.	Devensian
780025	Base of BNB	P2	Unit of BNB identified directly BSB or beneath a veneer of modern marine sediments, sat above the top of the interpreted WK formation. Feature has a distinct basal reflector and well-layered unit fill. Possibly related to nearby 780024 BNB formation. Depth range: 1.8 - 23.7 m BSB.	Devensian
780026	Complex cut and fill	P1	Complex cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into top of interpreted RCG formation. Unit fill is acoustically chaotic with more than one phase of fill. Feature has a strong basal reflector and some slight disturbance to lower horizons, possibly indicating the presence of some gaseous organic matter such as peat. Depth range: 0.6 - 7.2 m BSB.	Unknown
780027	Simple cut and fill	P2	Possible simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted WK formation. Basal reflector not particularly distinct however feature has relatively acoustically chaotic fill. Depth range: 0.7 - 6.7 m BSB.	Unknown
780028	Channel	P1	Channel feature identified directly BSB or beneath a veneer of modern marine sediments, cut into top of RCG/WK formation. Basal reflector not always distinct, however occasionally high amplitude with slight disturbance to lower horizons which may indicate the possible presence of gaseous organic matter. Unit fill is relatively acoustically chaotic. In the channel's central section, the feature appears to widen and the base is harder to discern. It is possible that this represents an area of overspill or a wider section of channel. Channel meanders orientated approximately north-east to south-west. Depth range: 0.1 - 7.9 m BSB.	Unknown

## Outline Written Scheme of Investigation (Offshore)

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ID	Classification	Archaeological Discrimination	Notes	Age
780029	Simple cut and fill	P2	A small, shallow simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the interpreted RCG formation. The feature has a faint, poorly defined basal reflector and slightly acoustically chaotic fill. It is possible that this is related to nearby channel feature 780028, however, as this cannot be confirmed, this has been retained as a separate feature. Depth range: 0.7 - 3.1 m BSB.	Unknown
780030	Simple cut and fill	P2	A shallow unit identified directly BSB or beneath a veneer of modern marine sediments, above the interpreted RCG formation. Feature has a distinct basal reflector and well layered fill indicating that it was deposited in a low energy environment. It is possible that this an infilled depression, or an area of overspill related to nearby channel feature 780028. Depth range: 0.4 - 6.2 m BSB	Unknown
780031	Simple cut and fill	P2	A shallow unit identified directly BSB or beneath a veneer of modern marine sediments, above the interpreted RCG formation. Feature has a distinct basal reflector and well layered fill indicating that it was deposited in a low energy environment. It is possible that this an infilled depression, or an area of overspill related to nearby channel feature 780028. Depth range: 0.7 - 3.0 m BSB	Unknown
780032	Simple cut and fill	P2	A simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature has a relatively distinct basal reflector and slightly acoustically chaotic fill with some subparallel reflectors. Depth range: 1.1 - 5.4 m BSB.	Unknown
780033	Channel	P1	A channel identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted BNB formation. Feature has a poorly defined basal reflector and acoustically chaotic fill. The channel is orientated approximately north-west to south-east and meanders slightly. Depth range: 0.5 - 6.8 m BSB.	Unknown



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ID	Classification	Archaeological Discrimination	Notes	Age
780034	Channel	P1	Channel identified directly BSB or beneath a veneer of modern marine sediments, cut into interpreted RCG formation, orientated north-west to south-east. Feature has a relatively distinct basal reflector which is occasionally chaotic, which may indicate the presence of gaseous organic matter, however may also just be a coarser grained deposit. Depth range: 0.6 - 5.5 m BSB.	Unknown
780035	Simple cut and fill	P2	A small simple cut and fill identified directly BSB or beneath a veneer of modern marine sediments, cut into the top of the interpreted RCG formation. Feature is shallow with no discernible basal reflector however is characterised by acoustically chaotic sediment. Depth range: 0.8 - 4.8 m BSB.	Unknown
780036	Acoustic blanking	P2	A broad area of acoustic blanking, orientated north to south. Feature is identified close to and occasionally at the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the possible well-layered unit, it is difficult to discern a distinct boundary between the two units. Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this unit represents a layer of gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 0.1 - 4.9 m BSB.	Unknown
780037	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary between the two units. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this feature represents gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 0.4 - 9.5 m BSB.	Unknown

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ID	Classification	Archaeological Discrimination	Notes	Age
780038	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary between the two units. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this feature represents gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 6.5 - 8.5 m BSB.	Unknown
780039	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary between the two units. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this feature represents gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 1.4 -4.4 m BSB.	Unknown
780040	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary between the two units. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this feature represents gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. 1.5 - 2.6 m BSB.	Unknown

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ID	Classification	Archaeological Discrimination	Notes	Age
780041	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary of the well layered unit. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this unit represents a layer of gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 0.9 - 2.6 m BSB.	Unknown
780042	Acoustic blanking	P2	A small area of acoustic blanking identified close to the seabed, possibly within a well-layered unit BSB above the interpreted WK formation. Due to the acoustic similarities between the WK formation and the well-layered unit, it is difficult to discern a distinct boundary between the two units. Feature is close, and likely related to a broad area of similar acoustic blanking (Feature 780036). Possibly a layer of coarse sediments close to the surface causing acoustic blanking of lower horizons however, as acoustic blanking is indicative of the presence of gas, it may be that this feature represents gaseous organic matter such as peat. As such, the feature has been retained as a unit of potential archaeological interest. Depth range: 0.6 - 2.0 m BSB.	Unknown
780043	Complex channel	P1	A small complex channel identified below an upper unit, likely to be modern marine sediments, cut into the top of the interpreted WK formation. Feature is orientated WNW - ESE and has a relatively distinct basal reflector and more than one phase of fill. Depth range: 0.6 - 5.5 m BSB.	Unknown



## Annex II: Seabed Features

Seabed features in the East Anglia TWO windfarm site

ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
*Length/Width/Height measurements in m (meters), magnetic amplitude measurements in nT (nanoTesla)								
<b>A1 (Anthropogenic origin of archaeological interest)</b>								
700065	Debris	445621	5775879	2.0	1.0	0.1	-	A small and indistinct dark reflector object that may be partially buried situated next to wreck (70707) and likely associated wreck debris.
700066	Debris	445620	5775875	2.0	0.2	0.0	-	A slightly curvilinear, indistinct dark reflector object with slight height or slight scour that is situated next to wreck (70707) and is likely associated wreck debris.
700104	Wreck	445160	5785231	25.0	6.8	0.0	-	A distinct edged wreck that is lying perpendicular to and cutting through the sand waves. The wreck appears to have slatted dark reflectors in its centre and is intact, although with little height which might suggest that is partially buried or in a poorly preserved state. In the MBES data this is visible as a poorly defined, irregular mound identified in an area of sand waves. The wreck is not particularly distinct, however it causes some disruption to natural seabed formations. The wreck is orientated NNE to SSW and has some very slight scour along its western edge.
700107	Debris	443140	5776163	1.8	1.2	0.8	-	A small and indistinct dark reflector object with a relatively broad shadow and significant height off the seabed. This object is situated close to wreck 70684 and may be an associated item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700108	Debris	443144	5776172	3.8	2.7	2.2	-	A small dark reflector object with a relatively broad shadow and significant height off the seabed. This object is not very distinct however it is situated close to wreck 70684 and therefore may be an associated item of debris.
700109	Debris	443141	5776217	8.7	0.4	0.2	-	A slightly curvilinear shaped dark reflector with a short and bright shadow that has been identified close to wreck 70684. This is a possible associated item of wreck debris
700106 (UKHO 10942)	Wreck	443119	5776076	24.6	13.2	7.2	-	A large and poorly defined area of debris objects with a broad, distinct shadow and significant height off the seabed. There is one long, narrow shadow present indicating a particularly tall structure and three large objects discernible. In the MBES data this is visible as an irregularly shaped mound, orientated NNE - SSW. The feature is located approximately 91 m south-west of wreck 70684, which has a UKHO record stating that it is possibly in two parts. It is possible therefore that this is a separate section of wreck, or associated wreck debris. The feature has associated scour extending approximately 50 m to the south-west.
70684 (UKHO 10942)	Wreck	443175	5776176	69.3	17.2	10.6	-	A very large but poorly defined wreck with a broad and distinct shadow is identified on the SSS data. The wreck appears to be partially disintegrated with some objects with height visible in the immediate vicinity. There may be more associated objects buried in the sand waves surrounding this vessel. In the MBES data this is visible as a large wreck orientated north-west to south-east, identified in an area of sand waves. Several, slightly separate mounds along the south-western edge and southern end of the wreck suggest partial disintegration. Wreck has scour extending towards the north and south of feature. In the UKHO database this



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								is recorded as an unidentified wreck originally detected in 1961 and last seen in 1995, with SSS dimensions of height 7.2 m x length 60 m x width 10 m. The wreck is in two parts (or two wrecks close together (anomaly 700106). The feature was identified in both the 2010 assessment (report number 74540) and the most recent 2017 geophysical data assessment.
70707 (UKHO 10941)	Wreck	445607	5775865	43.9	9.8	7.6	-	A large wreck with clear structure and superstructure preserved, the wreck is upright with multiple levels and appears intact. In the MBES this is visible as a clear defined structure of a wreck, with two compartments situated end to end along the vessel. The wreck is orientated approximately NNE - SSW and is listing slightly to the east. There is some slight scour around the vessel and it is situated within sand waves. Associated debris is visible next to the wreck (700065 and 700066). The wreck is identified in an area of mobile sediments, therefore there is the possibility of additional debris items to be buried in the vicinity. In the UKHO this is thought to be the remains of the <i>Dolfijn</i> , a Belgian trawler lost on the 17th August 1970 in gales and heavy seas. The wreck is described as being intact and upright with superstructure, covering an area of 57 x 10 m with a height of 7 m and an orientation of 010/190 degrees. The feature was identified in both the 2010 assessment (report number 74540) and the most recent 2017 geophysical data assessment.
70717 (UKHO 11189)	Wreck	447661	5768102	9.9	3.7	0.9	-	A large right angled dark reflector with height and some scour was identified on the SSS data. In the MBES data this is visible as a small mound aligned north to south and lying perpendicular to the sand wave crest. The corresponding UKHO record records a small wreck, originally detected in 1988, abreast a sand wave which was shallower than the wreck (length 22 m x beam 6 m orientation



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								012/192 degrees). The wreck is recorded as not being located during survey in 1995 and amended to FOUL.
<b>A2 (Uncertain origin of possible archaeological interest)</b>								
70059	Debris	440994	5769465	3.3	2.3	1.5	-	A small irregular shaped anomaly with an angular shadow and significant height off the seabed, the feature has a long scour running away from the feature to the southwest. In the MBES data this is visible as a fairly rounded and defined mound with sediment build up and scour around it (entire area measures 10 x 6 m). This is interpreted as being a possible item of debris. The feature was identified in both the 2010 assessment (report number 74540) and the most recent 2017 geophysical data assessment.
70060	Debris	440899	5770722	0.6	0.2	0.4	-	Small rounded anomaly. Feature is located in an area of flat seabed with some small sand waves present in places.
70061	Debris	440852	5771528	3.2	0.3	0.8	-	Small elongated anomaly with a long shadow, a scour is visible running away from the object. The anomaly is situated in an area of flat seabed with sand waves close by.
70062	Debris	441075	5772640	1.9	0.4	0.2	-	Small sub-circular anomaly with an associated scour. Surrounded by narrow sand waves.
70063	Debris	441047	5774051	1.1	0.3	0.3	-	Small sub-circular shaped anomaly in an area of narrow sand waves.
70064	Magnetic	440943	5774399	-	-	-	6	Isolated weak magnetic anomaly.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
70065	Debris field	440935	5774563	36.6	8.2	0.0	-	Two pieces of debris located close together. One is a small elongated anomaly with an angular shadow and the other is a small sub-oval shaped anomaly with an associated scour. Surrounded by narrow sand waves.
70066	Debris	441087	5774631	3.4	0.5	0.0	-	Irregular shaped anomaly in an area of sand waves. Two smaller anomalies adjacent to this one.
70067	Magnetic	440943	5774893	-	-	-	5	Isolated weak magnetic anomaly.
70068	Debris	440959	5775192	1.6	0.6	0.7	-	Small sub-oval shaped anomaly with an angular shadow. Located in an area with narrow sand waves.
70069	Debris	441066	5776221	0.8	0.2	0.4	-	Small sub-rounded anomaly with an associated scour. The surrounding seabed is relatively smooth with sand waves close by.
70070	Magnetic	441014	5781286	-	-	-	7	Isolated weak magnetic anomaly.
70071	Magnetic	441004	5782017	-	-	-	5	Isolated weak magnetic anomaly.
70072	Magnetic	440937	5782734	-	-	-	26	Moderate strength isolated magnetic anomaly with no surface expression, possibly buried ferrous object.
70073	Seabed disturbance	441063	5782930	42.0	6.0	0.2	-	Distinctive area of disturbed seabed. Has a linear alignment that is interrupted in places. There are a number of raised anomalies with height within this area. The local seafloor is dominated by sand waves. Observed in the MBES data as a linear feature oriented 010/190 (N/S). Consists principally of 2 linear, parallel features. Passes through a sand wave. Appears to stop each end at more sand waves. General seabed depth is approximately -46.0 m.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
70074	Magnetic	441009	5783338	-	-	-	5	Isolated weak magnetic anomaly.
70075	Debris	440843	5783501	4.8	0.4	0.0	-	Small elongated anomaly located in an area of sand waves.
70076	Debris	441070	5783993	0.6	0.6	0.2	-	Small sub-circular shaped anomaly with an associated scour. The surrounding seabed is dominated by sand waves. Anomaly found during previous ZEA phase, but not during current phase. Possibly due to sand wave cover.
70077	Debris	440881	5784370	1.6	0.2	0.1	-	Small sub-oval shaped anomaly located in an area of relatively flat seabed. Some banding in the data. Anomaly found during previous ZEA phase, but not during current phase. Possibly due to sand wave cover.
70078	Magnetic	441073	5784514	-	-	-	8	Isolated weak magnetic anomaly.
70079	Magnetic	441008	5784677	-	-	-	9	Isolated weak magnetic anomaly.
70080	Debris	440954	5784854	2.6	0.4	0.2	7	Small irregular shaped anomaly with an associated scour. Located near the edge of some prominent sand waves in an area of relatively flat seabed. Anomaly found during previous ZEA phase, but not during current phase. Possibly due to sand wave cover.
70081	Magnetic	441009	5785836	-	-	-	7	Isolated weak magnetic anomaly.
70123	Seabed disturbance	446904	5768265	35.0	14.0	1.5	-	The shape of the anomaly is linear with some hints of structural elements. The local seafloor is dominated by sand waves. Observed in the MBES data as a large sand wave that curves sharply. It is not a separate feature. Looks natural. General seabed depth is approximately -46.0 m. This anomaly has been retained due to its interesting shape in the SSS data.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
70124	Magnetic	447052	5768302	-	-	-	6	Isolated weak magnetic anomaly.
70125	Debris	446916	5770125	1.7	0.4	0.4	-	Small sub-oval anomaly in an area with fairly large sand waves.
70126	Dark reflector	446983	5771556	1.4	0.5	0.4	-	Sub-rounded anomaly with diffuse edges. Located in an area of sand waves.
70127	Debris	446902	5771764	0.8	0.6	0.3	-	Small sub-oval shaped anomaly in an area of fairly large sand waves.
70128	Debris	446917	5771796	2.3	0.6	0.5	-	Sub-rectangular anomaly with a wide shadow that tapers to a sharp point. Located in an area of fairly large sand waves.
70129	Debris	447001	5771931	1.3	0.3	0.2	-	Small sub-rectangular anomaly located in an area of sand waves.
70131	Magnetic	447046	5774034	-	-	-	5	Isolated weak magnetic anomaly.
70132	Debris	446961	5774826	0.8	0.4	0.3	-	Irregular shaped anomaly with an angular shadow and a slight scour. Surrounded by narrow sand waves.
70133	Dark reflector	447030	5775919	2.1	1.0	0.5	-	A small and irregularly shaped anomaly with an angular shadow, that is surrounded by sand waves. This could be a natural feature or item of debris. The feature was identified in both the 2010 assessment (report number 74540) and the most recent 2017 geophysical data assessment.
70134	Dark reflector	446945	5777525	8.8	0.8	0.8	-	A slightly curvilinear shaped dark reflector anomaly with significant height off the seabed with a scour in an area of sand waves. Identified in both 2011 and 2017 geophysical survey data. This could be a natural feature or item of debris. The feature was



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								identified in both the 2010 assessment (report number 74540) and the most recent 2017 geophysical data assessment.
70135	Debris	447006	5778881	1.2	0.2	0.6	-	Small irregular shaped anomaly with an angular shadow. Surrounded by sand waves.
70136	Debris	447013	5780482	2.0	0.4	0.2	-	Small sub-oval anomaly with slight scour visible. Surrounded by narrow sand waves.
70137	Debris field	447021	5781412	13.3	9.4	0.2	-	Diamond shaped area that looks to define a cluster of objects. Surrounded by sand waves. Two large pieces of debris fall within this debris field and another lies close by and is most likely related to this spread. Not observed in the MBES data. This is a possible large spread of debris objects identified in 2010 and 2017 geophysical data.
70139	Seabed disturbance	446985	5782043	9.3	5.3	-0.9	-	Irregular shaped area of seafloor disturbance, surrounded by sand waves. Observed in the MBES data as a disturbance in sand wave crest. General seabed depth is approximately -38.5 m.
70142	Magnetic	446956	5783586	-	-	-	9	Isolated weak magnetic anomaly.
70143	Magnetic	446956	5783657	-	-	-	16	Isolated weak magnetic anomaly.
70144	Magnetic	447070	5784232	-	-	-	6	Isolated weak magnetic anomaly.
70145	Magnetic	447070	5786442	-	-	-	7	Isolated weak magnetic anomaly.
70206	Dark reflector	453079	5766796	8.7	1.9	0.0	-	Irregular anomaly with diffuse edges. Located in an area with sand waves. Not observed in the MBES data.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
70207	Magnetic	453052	5768528	-	-	-	5	Isolated weak magnetic anomaly.
70208	Debris	453016	5768615	0.9	0.2	0.0	-	Sub-oval anomaly in an area of sand waves.
70209	Magnetic	452953	5769848	-	-	-	12	Isolated weak magnetic anomaly.
72306	Seabed disturbance	447505	5781953	7.2	14.4	0.5	-	Small elongated, irregular shaped spread of disturbed seabed characterised by sub-oval shaped dark reflectors. Located in an area of sand waves.
72319	Magnetic	448186	5783840	-	-	-	13	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72320	Magnetic	448006	5784042	-	-	-	74	Medium magnetic anomaly with no surface expression, possibly buried ferrous object.
72321	Magnetic	448251	5783590	-	-	-	13	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72322	Magnetic	448211	5783695	-	-	-	32	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72323	Dark reflector	444690	5782178	2.9	0.4	0.2	-	Elongate feature with height, large sand ripples nearby.
72324	Magnetic	444861	5784370	-	-	-	22	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72325	Magnetic	443726	5782660	-	-	-	29	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
72326	Magnetic	443746	5782750	-	-	-	25	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72328	Dark reflector	441466	5783089	3.3	0.9	0.8	-	Elongated object with height, lies at end of sand wave at edge of area of sand waves.
72329	Debris	442296	5782520	10.6	5.5	1.9	14	A large, elongated dark reflector with significant height identified with an associated linear feature extending out to form a 'V' shape. The linear feature (measuring 30.3 x 0.5 x 0.1 m) may be part of the same feature or possibly an associated length of rope/chain. This feature has been identified within an area of mega ripples and appears to be relatively elongated. In the MBES this is visible as a broad mound with seabed disturbance extending ~25 m north-northwest. There is a small magnetic anomaly associated with this feature indicating ferrous material is present. The feature was identified in both the 2012 assessment (report number 74541) and the most recent 2017 geophysical data assessment.
72330	Magnetic	441731	5782255	-	-	-	9	Small magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72332	Dark reflector	441223	5783781	3.2	0.4	0.3	-	Short linear anomaly located in an area of sand waves.
72333	Magnetic	440921	5782730	-	-	-	50	Large magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
72334	Dark reflector	440807	5782706	3.3	2.0	0.5	-	Indistinct object with clear shadow, within flat area amongst small sand waves



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
72382	Magnetic	447431	5782150	-	-	-	14	Medium magnetic anomaly without an associated SSS contact. May indicate buried ferrous debris.
77926	Magnetic	442029	5785681	-	-	-	160	Strong asymmetric dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
77930	Magnetic	441408	5788683	-	-	-	41	Dipolar anomaly present across two lines, in magnetically quiet area. No associated SSS or MBES contact.
77983	Magnetic	442563	5787454	-	-	-	17	Narrow negative monopolar anomaly amongst sand waves. No associated SSS or MBES contact.
77984	Magnetic	442795	5784743	-	-	-	9	Weak narrow peaked positive monopolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77986	Magnetic	442273	5784352	-	-	-	11	Small narrow peaked positive monopolar anomaly amongst medium sand waves, possibly natural. No associated SSS or MBES contact.
77987	Magnetic	442324	5784664	-	-	-	11	Small narrow negative monopolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77988	Magnetic	441670	5784337	-	-	-	15	Small asymmetric dipolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77989	Magnetic	441525	5784364	-	-	-	8	Small asymmetric dipolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77990	Magnetic	441243	5784349	-	-	-	12	Small negative monopolar anomaly at edge of area with medium sand waves. No associated SSS or MBES contact.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
77991	Magnetic	441856	5785766	-	-	-	7	Narrow peaked positive monopolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77992	Magnetic	441681	5785492	-	-	-	12	Small distinct dipole anomaly amongst medium sand waves. No associated SSS or MBES contact.
77993	Magnetic	441064	5786038	-	-	-	8	Small distinct dipolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
78016	Magnetic	441868	5786170	-	-	-	17	Distinct asymmetric dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
78017	Magnetic	441018	5785834	-	-	-	11	Distinct dipolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
78018	Magnetic	442729	5785913	-	-	-	18	Dipolar anomaly amongst medium sand waves, possibly natural. No associated SSS or MBES contact.
78020	Magnetic	442276	5786830	-	-	-	123	Distinct dipolar anomaly in magnetically quiet area between sand waves. No associated SSS or MBES contact.
78022	Magnetic	443291	5787866	-	-	-	7	Small dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
78023	Magnetic	441301	5784383	-	-	-	16	Asymmetric dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
78051	Magnetic	441420	5787350	-	-	-	9	Asymmetric dipolar anomaly amongst sand waves. No associated SSS or MBES contact.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
78186	Dark Reflector	441345	5784630	2.7	1.1	0.3	-	Isolated rounded anomaly amongst sand waves with a clear sub-oval shadow visible.
78187	Dark Reflector	441883	5784714	2.8	0.6	0.3	-	Elongated anomaly with an indistinct sub-oval shadow amongst the sand waves.
78188	Dark Reflector	441838	5784840	2.6	0.7	0.5	-	Indistinct elongated anomaly with a sub-oval shadow visible.
78189	Debris	443191	5786823	5.4	1.7	1.1	-	Distinctly irregular object with a distinct and rounded shadow visible and significant height off the seabed. Irregular, and partially hollow, features with slight perpendicular scour and depression before anomaly. Possibly partially buried debris object. The feature was identified in both the 2014 assessment (report number 74547) and the most recent 2017 geophysical data assessment.
78190	Dark Reflector	441533	5786811	3.5	1.0	0.7	-	Isolated and distinct dark reflector anomaly with a clear sub-oval shadow visible amongst the dense sand waves. There is possible scour before the anomaly. This could be a natural feature or item of debris. The feature was identified in both the 2014 assessment (report number 74547) and the most recent 2017 geophysical data assessment.
700001	Seabed disturbance	452820	5767398	13.0	5.4	0.5	-	A large area of disturbed seabed comprising an indistinct single linear object measuring 7.4 x 0.8 m. The feature appears to be an interrupted bed form possibly containing debris objects
700002	Dark reflector	452140	5768419	3.1	1.0	0.5	-	A slightly curvilinear shaped dark reflector with a bright and tapered shadow that is situated within sand waves. This could be a natural feature or debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700003	Debris	452042	5768278	5.0	1.1	0.0	13	Two elongated dark reflector objects with no clear height, this is situated amongst sand waves indicating the full feature may be partially buried. This anomaly is possibly associated with a small magnetic anomaly indicating ferrous debris may be present.
700004	Debris	451891	5766891	5.4	0.6	0.0	10	A distinct linear dark reflector in line with the sand waves, there is a possible continuation of this linear feature however which may indicate a larger, partially buried linear feature, however this is not always clearly discernible. This feature is possibly associated with a small magnetic anomaly. The magnetic anomaly is located approximately 30 m ESE of the feature, however due to differences in line spacing and orientation, it is thought that the features may be associated indicating some ferrous material may be present.
700005	Dark reflector	451626	5772820	2.6	1.2	0.3	-	A small but distinct slightly pointed dark reflector object with some scour and slight height off the seabed. This object may be partially covered by fine sands. This could be a natural feature or debris.
700006	Dark reflector	451650	5773866	3.6	0.8	0.3	-	A medium sized distinct dark reflector with height and some slight scouring, this is situated 7 m to the east of a similar object and may be related. This could be a natural feature or debris.
700007	Dark reflector	451644	5773867	3.4	0.9	0.3	-	A medium sized distinct dark reflector with height and some slight scouring, this is situated 7 m to the west of a similar object and may be related. This could be a natural feature or debris.
700008	Debris	451451	5769635	7.9	0.4	0.0	-	A long, thin and indistinct linear dark reflector feature situated on an area of megaripples. This is a possible linear item of debris or a natural feature.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700009	Dark reflector	451180	5771583	3.7	0.5	0.2	-	A slightly elongated distinct dark reflector with a bright, short shadow. This object is isolated in an area of sand waves and could be a natural feature or debris.
700010	Seabed disturbance	450958	5767330	5.5	0.4	0.2	-	An area of disturbed seabed comprising dark reflector objects with height in three lines. This feature looks anomalous to the surrounding seabed and may contain partially buried objects.
700011	Debris	450845	5774666	4.7	0.2	0.0	-	A long and thin linear dark reflector with a small shadow but no height off the seabed. This object looks distinct and isolated in a sand wave rich area of the seabed. This may be a linear item of debris.
700012	Debris	450620	5772377	15.8	0.6	0.1	-	A very long and thin slightly curvilinear item of debris, very distinct dark reflector with slight height is visible lying perpendicular to the sand waves.
700013	Dark reflector	450348	5771752	2.7	0.5	0.0	-	An elongated dark reflector with a slight shadow but no height off the seabed, looks slightly distinct and anomalous to the surrounding seabed. This could be a natural feature or debris.
700014	Dark reflector	450598	5776296	2.2	0.7	0.3	-	A small dark reflector with a tapered shadow and slight scour in a depression. This feature is isolated and distinct within an area of sand waves. This could be a natural feature or debris.
700015	Debris	450389	5775450	6.0	2.2	0.3	-	A long and thick dark reflector object with a slight shadow. The object is possibly partially buried or poorly defined and is situated between sand waves. This is a possibly item of debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700016	Dark reflector	449977	5768861	3.2	1.1	0.3	-	A medium sized dark reflector with slight height off the seabed, this object is situated amongst sand waves and may be partially buried. This could be a natural feature or debris.
700017	Dark reflector	451654	5773235	3.4	1.4	0.1	-	A medium sized, slightly indistinct or partially buried dark reflector with slight height off the seabed. This object may be broken up and is situated within sand waves. This could be a natural feature or debris.
700018	Dark reflector	448150	5777039	6.9	0.7	0.1	-	A distinct and elongated dark reflector with a small but bright shadow and slight scour. This feature is situated within sand waves and could be a natural feature or debris.
700019	Seabed disturbance	448764	5781789	9.6	6.0	0.2	-	A medium sized area of disturbed seabed with a possible small and straight linear bright reflector in its centre. This feature looks anomalous to the surrounding seabed. In the MBES data this is visible as a small and elongated mound identified in an area of megaripples.
700020	Dark reflector	448894	5774570	3.6	1.1	0.0	-	A medium sized indistinct dark reflector object with no associated height. The object has some slight seabed disturbance surrounding it and could be a natural feature or debris.
700021	Dark reflector	449107	5778149	3.6	1.1	0.4	-	A distinct and elongated dark reflector object with a bright shadow. This is an isolated object situated within sand waves and could be a natural feature or debris.
700022	Debris	449218	5777914	10.2	3.5	1.4	-	A large slightly angular shaped dark reflector with substantial height off the seabed. This object is situated within sand waves and is possibly in a slight depression. In the MBES data this is visible as a small and slightly elongated mound identified in an area of sand



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								waves. The feature has some scour along its eastern edge and may be a large item of debris.
700023	Debris field	449031	5771773	33.2	31.0	0.0	22	A large spread of possible debris objects comprising very small and occasionally indistinct dark reflectors, some with slight shadows but no significant height off the seabed. A number of objects are slightly linear shaped and are situated within sand waves. The full extent of these features may be buried. This debris field has a small magnetic anomaly associated indicating ferrous material is present. This is a possible ferrous debris field.
700024	Dark reflector	448956	5769002	2.8	0.4	0.0	-	A slightly elongated dark reflector situated amongst sand waves. The object is slightly indistinct and may be partially buried by sands. This could be a natural feature or debris.
700025	Seabed disturbance	449039	5770611	13.7	5.0	0.4	-	An oval shaped area of indistinct dark reflectors objects, some with height and some without situated within sand waves. Appears as a mound in MBES data orientated in an east to west direction. This is a possible seabed disturbance that may contain debris objects.
700026	Dark reflector	449040	5769048	5.4	0.3	0.1	-	A distinct and elongated dark reflector object with slight height off the seabed. The object is lying perpendicular to the sand waves and could be a natural feature or debris.
700027	Debris	450035	5774188	6.4	1.7	2.5	-	A long linear dark reflector object with height that is situated in a depression, the feature may be slightly broken up or a collection of items. The surrounding seabed is slightly disturbed. In the MBES data this is visible as a mound orientated approximately east-



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								southeast to west-northwest and is located in the trough of a depression
700028	Debris	449981	5770458	6.2	0.4	0.0	-	A long and thin slightly curvilinear shaped dark reflector with no off the seabed within sand waves. This object is situated close to a smaller dark reflector (700029) and may be related. This has been interpreted as an item of debris.
700029	Dark reflector	449983	5770453	2.5	0.7	0.1	-	A small but distinct oval shaped dark reflector with slight height off the seabed. This object is situated close to a linear dark reflector (700028) and may be related. This could be a natural feature or debris.
700030	Dark reflector	447722	5773623	3.0	1.1	0.9	-	A pointed dark reflector object with significant height off the seabed, this feature is isolated and distinct on a sand wave rich area of the seabed. This could be a natural feature or debris.
700031	Debris	447836	5775135	10.3	0.2	0.0	-	A long thin and indistinct slightly curvilinear shaped dark reflector with slight height off the seabed. This object is situated within sand waves with a similar object located to the south (700032). This is a possible item of debris.
700032	Debris	447831	5775103	11.6	0.1	0.0	-	A long thin and indistinct slightly curvilinear shaped dark reflector with slight height off the seabed. This object is situated within sand waves with a similar object located to the north (700031). This is a possible item of debris.
700033	Seabed disturbance	447531	5771413	15.4	7.7	1.3	-	A group of small and distinct dark reflector objects with shadows situated on the edge of a large sand wave. In the MBES data this is visible as a mound, or possibly two mounds orientated north-



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								northwest to south-southeast. This is a possible seabed disturbance that may contain debris objects.
700034	Debris	447210	5769207	14.5	3.5	0.0	-	A long and thin group of linear dark reflectors or a partially buried linear item of debris. The feature might be partially buried by fine sand or broken up.
700035	Seabed disturbance	447449	5771896	7.6	7.3	0.5	-	A medium sized oval group of dark reflector objects with height situated within sand waves and possibly partially buried by fine sands. This feature is identified in the MBES data as an indistinct oval mound orientated approximately east to west. This could be a natural feature or buried debris.
700036	Dark reflector	447141	5770638	3.8	1.8	0.8	-	A long and slightly tapered dark reflector with height, possibly in a slightly scour or depression, in the MBES this is visible as a small mound in the trough of a bedform. This could be a natural feature or debris.
700037	Dark reflector	446693	5769238	3.4	0.9	0.3	-	A slightly elongated dark reflector with a short and bright shadow situated amongst sand waves. This isolated object possibly has some slightly scour associated. This could be a natural feature or debris.
700038	Bright reflector	446844	5773976	8.6	4.5	0.7	-	An irregularly shaped bright reflector object or possibly a collection of items. In the MBES data this is visible as a larger mound with much smaller mound next to it. This feature is in the track of a trawler and may be natural disturbance, however it has been retained based on its anomalous nature.
700039	Dark reflector	447103	5778301	2.9	0.8	0.6	-	A rounded and distinct dark reflector object with a long, bright shadow, situated within an area of sand waves. There is some



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								slight scour possibly associated with this object. This could be a natural feature or debris.
700040	Seabed disturbance	447063	5778951	27.7	6.6	0.4	-	A large slightly oval shaped area possibly containing indistinct dark reflector anomalies or small mounds, situated within sand waves it is possible that the bulk of this feature is buried. In the MBES data this is visible as a curvilinear mound orientated in a rough 'L' shape aligned south to northwest.
700041	Dark reflector	446934	5776295	2.9	0.6	0.5	-	A small slightly rectangular shaped dark reflector with a bright and square shadow. This could be a natural feature or item of debris.
700042	Debris	446504	5769071	5.1	0.6	0.8	-	An isolated dark reflector with significant height, situated within an area of sand waves. This is a distinct and straight edged object and possible item of debris.
700043	Debris	447114	5781787	6.3	0.5	0.3	-	A distinct, thin linear dark reflector with a slight shadow that is lying perpendicular to the sand waves and may be partially buried. This is a possible linear item of debris.
700044	Seabed disturbance	447238	5783951	11.0	5.2	0.0	-	Seabed disturbance seen in the bed forms, possibly a linear item. Identified on an area of textures seafloor, therefore may be linked to natural outcropping, however the potential remains for a partially buried item and, as such, the feature has been retained.
700045	Seabed disturbance	446335	5771214	7.0	3.8	0.0	-	A medium sized, rounded area of possibly disturbed seabed visible as mostly shadows in the SSS data. There is possible outcropping or partially buried items within the area. This is possibly natural or an area of disturbed seabed containing debris objects.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700046	Dark reflector	446467	5773274	1.9	0.8	0.5	-	A small and distinct dark reflector with a bright and tapered shadow and some slight scour. This object is situated amongst sand waves and could be natural or a possible item of debris.
700047	Dark reflector	446451	5774804	2.5	1.3	0.8	-	A distinct and slightly rounded dark reflector with a bright shadow and significant height off the seabed. The object has some slight scour associated, this may be a natural feature or item of debris.
700048	Dark reflector	446545	5776702	4.2	2.1	0.5	-	A medium sized dark reflector object with a bright and tapered shadow and with slight scour surrounding it. In the MBES data this is a small mound sat within an elongated oval depression (the depression measures 9.6 x 5.6 x -0.3 m). This could be natural or an item of debris.
700049	Seabed disturbance	446497	5778010	18.5	6.2	0.3	-	A large area of possibly disturbed seabed with some indistinct possible linear dark reflector objects visible in places. In the MBES data this is visible as an elongated oval mound orientated north to south with a slight depression in its centre. This possible seabed disturbance is on a relatively featureless area of seabed and may contain buried debris objects.
700050	Debris	446489	5779295	6.3	0.5	0.4	-	An indistinct elongated dark reflector object with height possibly situated in a slight depression, this may be a partially buried item of debris.
700051	Dark reflector	447029	5788240	1.8	0.5	0.1	-	A distinct slightly right angled dark reflector object with a bright shadow but little height off the seabed, this may be partially buried. This may be a natural feature or item of debris.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700052	Seabed disturbance	445900	5768983	27.6	9.4	1.6	-	A large area of disturbed seabed which appears to contain two pointed dark reflector objects within sand waves with significant height off the seabed. In the MBES data this is visible as a small but distinct mound amongst the bedforms which may contain a partially buried item. This could be a seabed disturbance containing debris items.
700053	Dark reflector	445954	5772321	3.2	0.4	0.2	-	A slightly elongated dark reflector object with slight height off the seabed and faint scour, the object appears to be slightly linear. This could be a natural feature or item of debris.
700054	Dark reflector	446467	5781073	2.3	1.4	0.5	-	A small and slightly rounded/irregularly shaped dark reflector object with a bright and tapered shadow and some slight scour. This feature looks anomalous to the surrounding seabed anomalies and may be a natural feature or item of debris.
700055	Rope/chain	446825	5787888	6.6	0.1	0.0	-	A slightly coiled long and thin linear dark reflector object that appears to be partially buried in the bed forms. This feature is very indistinct and may be a rope or chain.
700056	Dark reflector	445686	5766983	5.4	1.3	0.2	-	A medium sized distinctive dark reflector with a bright pointed shadow, this is an irregularly shaped object and is possibly more than one item. This may be a natural feature or item of debris.
700057	Debris field	445718	5770911	7.7	2.9	0.6	-	An irregularly shaped rounded dark reflector object with a bright shadow and seabed disturbance around it, there are possibly partially buried items within this. This is a medium sized possible debris field.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700058	Dark reflector	445735	5772890	2.1	0.8	0.5	-	A rounded dark reflector object with a long and bright shadow situated within a depression and next to second depression. This is slightly visible in the MBES as a slight depression on a featureless area of the seabed. This may be a natural feature or item of debris.
700059	Debris	445964	5778832	3.7	1.7	0.6	-	A slightly rounded dark reflector with a bright and irregularly shaped shadow and significant height off the seabed. This is an isolated object possibly in a slight depression. This may be an item of debris.
700060	Dark reflector	445791	5772969	2.7	1.1	0.8	-	A distinct rounded dark reflector object with a long and tapered shadow and significant height off the seabed. This may be a natural feature or item of debris.
700061	Dark reflector	445619	5771346	1.7	0.9	0.2	-	A curved dark reflector anomaly with a tapered shadow situated within sand waves. This may be a natural feature or item of debris.
700062	Seabed disturbance	445930	5779788	11.7	4.2	0.7	-	An area of seabed disturbance visible in the SSS data as an uneven area of seabed with a possible linear feature measuring 5.1 x 4.2 m within it. In the MBES data this is visible as a distinct mound within a depression (depression measuring approximately 11 x. 9 x -0.2 m). This is a possible seabed disturbance that may contain debris objects.
700063	Dark reflector	446025	5782377	1.7	0.2	0.1	-	A small but relatively distinct elongated dark reflector object with slight height off the seabed. This anomaly is situated on a rough and uneven area of the seabed and may be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700064	Bright reflector	445891	5779489	5.7	0.5	0.0	-	An elongated and slightly curved bright reflector object that may be linked to a natural depression however, due to its isolated position and anomalous nature, it has been retained as a potential feature of archaeological interest.
700067	Seabed disturbance	445759	5778975	14.6	13.9	1.3	-	A seabed disturbance comprising a large mound measuring 15.1 x 2.2 x 1.3 m with a collection of smaller dark reflector objects exposed. In the MBES data this is visible as a large, poorly defined and slightly rounded mound. The feature is quite tall and distinct and has associated scour. This is a seabed disturbance, possibly containing debris objects.
700068	Dark reflector	445464	5774426	3.5	2.5	0.8	-	A medium sized slightly curved dark reflector with significant height and possible scour. In the MBES data this is visible as a small mound with scour located amongst the bedforms. This may be a natural feature or item of debris.
700069	Dark reflector	445411	5776373	3.4	0.5	0.5	-	A long and thin dark reflector with a very angular pointed shadow and height seabed. The object is situated within megaripples and may be partially buried in a depression which is visible in the MBES data. This may be a natural feature or item of debris.
700070	Dark reflector	445028	5769231	6.0	3.5	0.3	-	An indistinct, elongated dark reflector object with a dull shadow. In the MBES data this is visible as a small mound orientated north-northeast to south-southwest with slight scour situated on an area of flat seabed. This may be a natural feature or item of debris.
700071	Seabed disturbance	444825	5767101	12.9	6.7	0.0	-	A large area of disturbed seabed seen as slightly darkened reflectors with very slight height. The feature is isolated is a slightly



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								linear alignment. This maybe a seabed disturbance containing debris objects.
700072	Dark reflector	444851	5768068	5.0	3.0	0.3	-	A slightly irregularly shaped dark reflector with a slightly bulbous shadow. In the MBES data this is visible as a small mound with no clear scour. The mound is orientated roughly north to south and is isolated. This may be a natural feature or item of debris.
700073	Debris field	445040	5769433	15.0	7.0	0.4	63	A medium sized debris field comprising bright reflectors and lower reflectivity, the feature appears to be a mound on an otherwise featureless area of seabed. In the MBES data this is visible as a large mound with a smaller mound (4 x 3 m) on top and appears to be partially buried in sediment. There is no scour present around the feature and it is orientated in a roughly north to south direction. This debris field has a magnetic anomaly associated indicating ferrous material is present.
700074	Debris	445052	5770024	2.5	0.7	0.1	7	A small dark reflector with a small shadow and in a slight depression. A small magnetic anomaly has been associated with this feature which may indicate the presence of ferrous material.
700075	Magnetic	444986	5770108	-	-	-	23	Small dipole with no surface expression, possibly buried ferrous object. A dark reflector, interpreted as being natural, is identified 30 m to the north. However, based on distance between the anomalies, and the form of the SSS anomaly, it is not thought that the features are associated.
700076	Dark reflector	444829	5768191	2.3	1.0	0.8	-	A small and slightly angular dark reflector with a long, bright shadow and significant height off the seabed. This feature is



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								situated within an area of megaripples and could be a natural feature or item of debris
700077	Dark reflector	444776	5767679	5.3	1.6	0.2	-	A very indistinct disjointed linear dark reflector with a bright shadow. This is a fairly isolated feature on a sandy area of seabed and could be a natural feature or item of debris.
700078	Debris	444606	5768578	7.3	0.5	0.5	-	A long and thin linear dark reflector with a bright shadow on the crest of a sand wave. Isolated and distinct object that may be a linear item of debris.
700079	Seabed disturbance	445148	5777353	32.6	7.3	0.4	-	A slightly oval shaped area of disturbed seabed lying perpendicular to the sand waves and cutting through them in a north south orientation. There are indistinct dark reflector objects buried within this disturbance. In the MBES data this is visible as a slightly irregular, relatively oval shaped mound identified in an area of megaripples. Not particularly distinct however there is some disruption to natural formations and, as such, the feature has been retained. This feature is located 103 m northeast of Gardline identified wreck (Wessex Archaeology anomaly number 70700).
700080	Dark reflector	444603	5767811	3.6	1.5	0.4	-	A small and indistinct slightly right angled dark reflector with a bright shadow. Isolated anomaly on a sandy area of the seabed. This is visible in the MBES data as a small and rounded mound. This could be a natural feature or item of debris.
700082	Debris	443611	5773742	5.7	0.5	0.2	-	Two straight linear dark reflector objects with height identified in an area of sand waves. This may be a partially buried linear item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700083	Dark reflector	443654	5774338	3.2	0.5	0.1	-	A slightly elongated, thin dark reflector object with a very slight shadow within an area of sand waves. This could be a natural feature or item of debris.
700084	Debris	444273	5784876	6.4	0.5	0.2	-	An elongated, poorly defined linear dark reflector with slight height off the seabed. Identified in an area of sand waves. This could be a natural feature or item of debris. Identified close to a cable, therefore the possibility remains that is an associated feature, however as it does not lie directly on the charted position, the feature has been retained.
700085	Dark reflector	443436	5769432	4.0	1.0	0.4	-	A thick and elongated dark reflector with a distinct, angular shadow. This has been identified in an area of sand waves and could be a natural feature or item of debris.
700088	Dark reflector	443878	5773787	2.5	1.4	0.7	-	A small but distinct dark reflector with a long, narrow shadow and significant height off the seabed. Feature appears to have an additional elongated dark reflector, however it is possible that this is part of the surrounding natural formations. Identified in an area of sand waves this could be a natural feature or item of debris.
700089	Dark reflector	443993	5776881	7.1	3.8	1.2	-	A large, poorly defined dark reflector with a broad but tapered shadow with significant height off the seabed. This feature has been identified in an area of sand waves and could be a natural feature or item of debris.
700091	Dark reflector	444276	5777998	3.4	1.0	0.5	-	A faint and slightly rounded dark reflector with a distinct but tapered shadow identified in an area of mega ripples. This could be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700092	Dark reflector	444546	5780587	9.5	3.0	0.3	-	A relatively large dark reflector with a possible broad distinct shadow that is situated on the flank of a sand wave. In the MBES data this is visible as an elongated, irregularly shaped mound identified in sand waves. This could be a natural feature or item of debris.
700093	Dark reflector	444353	5775528	4.7	1.2	0.4	-	An elongated dark reflector object with a broad, distinct shadow that is situated within an area of sand waves. The object may be situated in a slight depression and could be a natural feature or item of debris.
700095	Dark reflector	444327	5773737	8.6	1.9	1.0	-	A medium sized irregularly shaped dark reflector with a long, narrow but faint shadow and significant height. This feature looks anomalous to the surrounding seabed. This could be a natural feature or item of debris.
700096	Debris	444111	5768648	7.7	3.9	0.4	-	A relatively large, irregularly shaped dark reflector object with a jagged shadow. The feature is possibly in a depression and situated on a flat and even area of seabed with trawl scars. A slightly small mound is visible in the MBES data. This could be an item of debris.
700097	Debris	444312	5774828	9.6	0.8	0.0	-	Two linear dark reflectors in line with each other and close together with no height off the seabed. This is a possible partially buried item of linear debris.
700099	Dark reflector	444919	5784481	5.0	0.2	0.1	-	A wavy linear dark reflector object with a very slight shadow, this object is situated within an area of sand waves and could be a natural feature or item of debris.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700100	Dark reflector	444890	5782034	4.4	2.1	0.8	-	A slightly irregularly shaped dark reflector with a long shadow and significant height off the seabed. This is an indistinct object that has been identified in an area of sand waves and could be a natural feature or item of debris.
700101	Seabed disturbance	444184	5768648	5.3	5.8	0.0	-	A small to medium sized area of disturbed seabed comprising several small bright reflector objects. This feature is quite distinct on a featureless and sandy area of the seabed and could be a seabed disturbance containing debris objects.
700102	Seabed disturbance	444741	5779556	10.9	10.4	0.7	-	A large area of disturbed seabed comprising a main and distinct dark reflector object with height with three possibly buried dark reflectors around this. This feature has been identified in an area of mega ripples. In the MBES data this is visible as an elongated mound within a depression. There is possibly associated scour and some disturbance to surrounding formations. This could be an area of disturbed seabed containing debris objects.
700103	Debris	444607	5777221	14.2	0.2	0.1	-	A straight and disjointed in places linear dark reflector with height identified in an area of mega ripples. This is a possible partially buried item of debris.
700105	Dark reflector	445126	5782375	3.1	0.9	1.0	-	A medium sized slightly rectangular shaped dark reflector with a long and distinct shadow and significant height off the seabed. This feature had been identified in an area of textured seabed. This could be a natural feature or item of debris.
700110	Dark reflector	443808	5783042	3.7	0.6	0.2	-	An elongated dark reflector with height identified in an area of sand waves. Close to another similar feature (700111) and may be related. This could be a natural feature or item of debris





ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700111	Dark reflector	443809	5783051	2.6	0.2	0.1	-	An elongated dark reflector with height identified in an area of sand waves. Close to another similar feature (700110) and may be related. This could be a natural feature or item of debris
700112	Debris	443619	5779579	12.6	2.8	1.6	-	A large dark reflector object with a broad, distinct shadow and significant height. The object has some associated scour and is situated within sand waves. In the MBES data this is visible as a small mound identified in an area of megaripples. The feature has some associated scour extending approximately 30 m south-southwest. This is a possibly item of debris.
700113	Debris	443102	5779986	30.4	0.4	0.3	-	A distinct, thin curvilinear dark reflector object with height. The feature is in an intermittent circle and is possibly partially buried. This is an isolated possible item of debris.
700115	Bright reflector	443084	5776721	8.6	3.0	0.0	-	A very indistinct and slightly elongated bright reflector within an area of sand waves, the object is lying perpendicular to the sand waves and could be a natural feature or item of debris.
700116	Debris field	442662	5770229	12.3	19.0	0.4	-	Small medium sized area comprising several small and angular shaped dark reflectors with height. This feature has been identified on flank of sand wave and may be a debris field.
700118	Debris field	442904	5771434	14.4	7.3	0.4	-	A patch of disturbed seabed containing several small dark reflectors with height. The feature has been Identified in an area of sand waves and further anomalies may be buried. This looks quite distinct and may be a debris field



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700119	Dark reflector	442752	5768247	2.4	0.6	0.5	-	A small, thin, slightly rounded dark reflector object with a relatively broad and distinct shadow. Identified in an area of sand waves and could be a natural feature or item of debris.
700120	Debris	443760	5785043	8.0	0.5	0.1	-	A very indistinct, slightly curved, narrow linear dark reflector with height situated in between sand waves. This is a possible linear item of debris.
700121	Bright reflector	443052	5771182	6.3	0.7	0.0	-	Straight elongated bright reflector identified in an area of sand waves. Possibly natural however looks quite distinct.
700123	Seabed disturbance	443736	5781896	23.5	17.1	0.0	-	A large area of possible seabed disturbance comprising some bright reflectors and indistinct dark reflector objects. This looks anomalous to the surrounding seabed and may contain buried debris objects.
700124	Dark reflector	441755	5771679	2.9	2.1	1.0	-	A small and indistinct dark reflector object with a long, narrow shadow and significant height off the seabed. This has been identified in an area of disturbed seabed and could be a natural feature or item of debris.
700126	Debris	442397	5787684	12.4	0.4	0.3	-	A long and thin curvilinear dark reflector object with slight height. Identified on the edge of an area of mega ripples and orientated in a north to south orientation on the seabed. This is a possible linear item of debris.
700127	Dark reflector	442436	5780497	4.4	0.5	0.2	-	A medium sized slightly elongated dark reflector with height identified in an area of sand waves. This could be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700128	Bright reflector	442376	5787731	3.1	3.2	0.0	-	A small, semi-circular shaped bright reflector with a slight dark reflector at the back. This feature looks slightly anomalous to the surrounding seabed and could be a natural feature or item of debris.
700129	Seabed disturbance	441497	5771530	17.7	11.6	0.4	-	A medium sized area of disturbed seabed containing dark and bright reflector objects and covered by sands. In the MBES data this is visible as a mound that appears to extend to the southeast, with scour encompassing it. This feature is situated on a flat and even area of the seabed and possibly contains debris objects.
700131	Dark reflector	442853	5787696	3.8	0.4	0.2	-	A faint and elongated dark reflector object with a slight shadow. This feature is not particularly distinct however it appears to be perpendicular to the natural formations. This could be a natural feature or item of debris.
700132	Dark reflector	442690	5781547	4.7	1.4	0.5	-	A medium sized and distinct dark reflector within an area of mega ripples. The feature has a distinct shadow and some slight disturbance to the surrounding sediment. This could be a natural feature or item of debris.
700134	Dark reflector	443016	5786098	8.0	1.0	0.2	-	A narrow and elongated, angular dark reflector with a distinct shadow that is located on the flank of a sand wave. This could be a natural feature or item of debris.
700135	Dark reflector	442534	5777109	4.0	0.2	0.1	-	A small and indistinct elongated dark reflector object with a slight shadow identified in an area of sand waves. This could be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700136	Dark reflector	442503	5776973	7.2	1.2	0.1	-	A slightly curvilinear shaped dark reflector with a very slight shadow that is situated within an area of sand waves. The object is not particularly distinct however looks slightly anomalous to the surrounding seabed. This could be a natural feature or item of debris.
700137	Dark reflector	442380	5773579	2.6	2.0	1.0	-	A distinct and slightly rounded dark reflector with a broad shadow and significant height. This feature is situated in an area of sand waves and is visible in the MBES data as a small mound at the end of a bedform, that appears to disrupt the surrounding bedforms. This could be a natural feature or item of debris
700139	Dark reflector	442718	5777978	5.6	0.8	0.2	-	A semi-circular dark reflector object with a very slight shadow, that is possibly detached identified within an area of sand waves. This could be a natural feature or item of debris.
700140	Bright reflector	440606	5767682	4.9	0.6	0.0	-	A very indistinct, straight and elongated bright reflector object identified in a relatively isolated area of seabed. This could be a natural feature or item of debris.
700141	Seabed disturbance	440601	5767746	6.0	3.7	0.2	-	An indistinct round seabed disturbance possibly containing some small dark reflector objects with height. This feature is isolated on the seabed and a little anomalous compared to its surroundings. This is a possible seabed disturbance containing possibly buried debris objects.
700142	Seabed disturbance	440585	5769126	17.0	15.2	0.4	-	A large area of disturbed seabed containing possible small dark reflector object and with a jagged shadow. This is possibly a natural feature however it is isolated and anomalous to the surrounding seabed.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700143	Dark reflector	441081	5776444	3.8	0.9	0.3	-	A distinct and slightly elongated dark reflector with height identified in an area of mega ripples. This could be a natural feature or item of debris.
700144	Bright reflector	440952	5769388	5.0	0.9	0.0	-	A small and indistinct curved bright reflector object. This is an isolated object on a very flat and even area of seabed and could be an item of debris.
700145	Dark reflector	441127	5773805	4.7	0.8	0.6	-	A distinct and elongated dark reflector object with a broad, distinct shadow. Identified in an area of mega ripples this could be a natural feature or item of debris.
700146	Debris	441539	5778041	8.2	0.8	0.3	-	An elongated dark reflector with an object with height at either end. This feature looks anomalous to the surrounding seabed and may be a natural feature or item of debris.
700147	Seabed disturbance	441152	5771107	15.1	7.7	0.7	-	A large rounded area of disturbed seabed that may contain one or two dark reflector objects, on object measures 4 x 1.2 m. In the MBES this is visible as a mound orientated approximately north-northeast to south-southwest, with scour encompassing the feature. This could be a seabed disturbance containing possible debris objects.
700148	Dark reflector	441358	5773989	4.7	1.3	0.3	-	A faint dark reflector with a distinct but tapered shadow. Identified in a relatively featureless area of seabed. This could be a natural feature or item of debris.
700150	Debris	441068	5767355	7.5	0.7	0.2	-	A small dark reflector with height with an associated elongated dark reflector attached. This could be two separate features and is a



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
								possible item of debris on a sandy and featureless area of the seabed.
700151	Debris	441551	5774638	4.5	0.7	0.5	-	An elongated dark reflector with a distinct, slightly curved shadow. This is an isolated object that could be a natural feature or item of debris.
700153	Dark reflector	441477	5773173	3.4	0.8	0.4	-	A distinct and slightly rounded dark reflector object with a slightly jagged shadow that has been identified in an area of sand waves. This could be a natural feature or item of debris
700154	Dark reflector	442118	5783489	2.1	2.0	0.9	-	A small and slightly angular dark reflector object with significant height identified in an area of sand waves. This is visible in the MBES data as a small, isolated and distinct mound within a slight depression. This could be a natural feature or item of debris.
700155	Dark reflector	442116	5782717	4.5	1.3	0.9	-	A medium sized, poorly defined dark reflector with a slightly jagged shadow. Identified in an area of rippled seabed. This could be a natural feature or item of debris.
700156	Dark reflector	441769	5777733	4.7	0.5	0.3	-	An elongated dark reflector with height identified in an area of sand waves. This could be a natural feature or item of debris.
700160	Dark reflector	441234	5780536	4.3	3.5	1.2	-	A very indistinct and slightly rounded dark reflector with a long, distinct shadow and significant height. This feature identified in an area of sand waves and may be partially buried, there is also so possible scour from the object. This could be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700161	Rope/chain	440371	5771569	27.0	0.4	0.0	-	A very indistinct curvilinear shaped dark reflector with no discernible height identified in an area of numerous trawl scars. This may be a scar, however it appears to be more distinct compared to the surrounding seabed anomalies and has been retained as a possible rope or chain.
700162	Seabed disturbance	440477	5775879	6.7	3.1	0.0	-	A small and isolated rounded patch of disturbed seabed situated on a very flat and even area of seabed. There is an irregularly shaped dark reflector object visible within a bright reflector, which is possibly a depression. This could be a seabed depression containing debris objects.
700163	Debris	440773	5781128	1.7	1.4	0.1	-	A small but distinct circular dark reflector with a very slight shadow, and a bright, possibly hollow section in its centre. Feature is identified within an area of mega ripples and is a possible item of debris.
700165	Dark reflector	440268	5768693	3.3	0.7	0.8	-	A small dark reflector object with a distinct, relatively broad, slightly tapered shadow and significant height off the seabed. This feature has been identified within a slight depression and is isolated on a flat and even area of the seabed. This could be a natural feature or item of debris.
700167	Bright reflector	440480	5768497	2.7	2.3	0.0	-	An irregularly shaped bright reflector with a darker reflector at its rear isolated on the seabed. This could be a natural feature or item of debris.
700168	Magnetic	446036	5766884	-	-	-	19	Small dipole with no surface expression, possibly buried ferrous object.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700169	Magnetic	450985	5771091	-	-	-	39	Small negative monopole with no surface expression, possibly buried ferrous object.
700170	Magnetic	444003	5771767	-	-	-	26	Small dipole with no surface expression, possibly buried ferrous object.
700171	Magnetic	447464	5773006	-	-	-	21	Small dipole with no surface expression, possibly buried ferrous object.
700172	Magnetic	448948	5773279	-	-	-	29	Small dipole with no surface expression, possibly buried ferrous object.
700173	Magnetic	449473	5773006	-	-	-	10	Small negative monopole with no surface expression, possibly buried ferrous object.
700174	Magnetic	447940	5778700	-	-	-	14	Small positive monopole with no surface expression, possibly buried ferrous object.
700175	Magnetic	447940	5778308	-	-	-	10	Small positive monopole with no surface expression, possibly buried ferrous object.
700176	Magnetic	446953	5780380	-	-	-	8	Small positive monopole with no surface expression, possibly buried ferrous object.
700177	Magnetic	445938	5781717	-	-	-	18	Small dipole with no surface expression, possibly buried ferrous object.
700178	Magnetic	445938	5781084	-	-	-	9	Small dipole with no surface expression, possibly buried ferrous object.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700179	Magnetic	444993	5781416	-	-	-	32	Small asymmetric dipole with no surface expression, possibly buried ferrous object.
700180	Magnetic	443999	5778543	-	-	-	45	Small negative monopole with no surface expression, possibly buried ferrous object.
700181	Magnetic	442039	5780373	-	-	-	19	Small irregular negative monopole with no surface expression, possibly buried ferrous object.
700182	Magnetic	441126	5785039	-	-	-	49	Small negative monopole with no surface expression, possibly buried ferrous object.
700183	Magnetic	443033	5784080	-	-	-	14	Small positive monopole with no surface expression, possibly buried ferrous object.
700184	Magnetic	445945	5784097	-	-	-	23	Small dipole with no surface expression, possibly buried ferrous object.
700185	Magnetic	446015	5784398	-	-	-	42	Small dipole with no surface expression, possibly buried ferrous object.
700186	Magnetic	446036	5786435	-	-	-	19	Small positive with no surface expression, possibly buried ferrous object.
700187	Magnetic	447940	5784671	-	-	-	69	Medium dipole with no surface expression, possibly buried ferrous object.
700188	Magnetic	441934	5786715	-	-	-	18	Small dipole with no surface expression, possibly buried ferrous object.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
700192	Magnetic	445823	5777045	-	-	-	60	Medium positive monopole with no surface expression, possibly buried ferrous object.
700193	Seabed disturbance	448279	5770075	5.0	4.0	0.2	-	In the MBES data this is visible as a possible collection of items causing a seabed disturbance and a depression at the crest of a bedform. In the SSS data there is no clear feature distinction, however it may be that the feature is obscured by the shadow of a natural bedform.
700194	Mound	443229	5782813	12.6	7.7	0.6	-	In the MBES data this is an elongated mound identified in an area of sand waves. This feature is not particularly distinct however looks relatively anomalous to the surrounding seabed. This is visible in the SSS data as a mound of darker sediment at one end of a patch of higher reflectivity. This may be outcropping sediment or debris object.
700195	Mound	442451	5782392	3.0	2.8	0.5	-	An irregular mound comprising several smaller objects with height. This feature has been identified on the flank of a sand wave. This is not visible in the SSS data, however it looks distinct in the MBES data. Possibly a natural feature however it has the potential of being a partially buried debris field and, as such, has been retained.
700196	Rope/chain	445925	5768962	54.0	0.8	0.4	-	A very long, curvilinear dark reflector anomaly with slight height - seen in two sections (approx. 13 m and 32 m in length) and may be broken up or buried by sands across its extents. The feature appears to be partially covered by bedforms and is lying perpendicular to the sand waves. This feature may be related to seabed disturbance (700052). This could be a possible long length of rope or chain or a natural feature.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT*	Description
<b>A3 (Historic record of possible archaeological interest)</b>								
70700	Recorded Wreck	445051	5777289	-	-	-	-	Possible wreck identified by Gardline, reported as measuring 107.2 x 17.3 x 1.7 m. The feature was not identified by Wessex Archaeology at this location during this, or previous, assessments.



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### Seabed features in the East Anglia TWO offshore cable corridor

ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
*Length/Width/Height measurements in m (meters), magnetic amplitude measurements in nT (nanoTesla)								
<b>A1 (Anthropogenic origin of archaeological interest)</b>								
70639 (UKHO 10674)	Debris field	429622	5797407	46.6	6.1	0.4	-	Collection of items of various shapes and sizes, no apparent structure or pattern identifiable, but does not appear to be a natural collection of items looking at the surrounding area. Located amongst the bedforms indicating further debris may be buried. Items appear to be almost in a north-east to south-west orientation. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Debris appears to be associated with an unidentified wreck, UKHO 10674. The wreck was located in 1982. Dimension are stated in the UKHO data as 35.5 m x 5.6 m x 4.1 m. Lying approximately east to west across, and almost completely buried by, a north to south sand wave, just protruding either side. Not located during mine hunting in 1997. During the 2010 East Coast REC survey the wreck was recorded buried by an east to west sand wave, aligned north to south and without apparent structure or debris. This indicated the debris may be well scattered within the recent sediments.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
70641 (UKHO 10350)	Wreck	430250	5796405	25.0	8.0	2.8	-	Defined structure with some linear dark reflectors, possibly timbers, possibly upside-down, with no apparent superstructure visible. Appears to either have a break or hole close to one end of the vessel. Not much of a debris field present, appears well contained. Located amongst bedforms, partially buried. This item is part of a known wreck identified in the UKHO data (10350). The known wreck is the remains of the <i>St Patrick</i> , a British wooden motor fishing vessel measuring 21 m x 5.5 m with a draught of 2.4 m. The <i>St Patrick</i> was lost in 1976 following an explosion onboard. The condition of the wreck on the seabed is recorded by the UKHO as being intact and upright with no superstructure apparent, covering an area of approximately 35 m x 4.5 m x 6.5 m and lying with an orientation of 170/350 degrees.
70645 (UKHO 10357)	Wreck	431268	5798215	107.1	49.8	2.1	-	Slightly broken up structure of the known wreck, the <i>Groenlo</i> (UKHO 10357). Various internal features, structures and items visible in the data, such as two dark cylindrical items, likely to be the two boilers and a mound extending from the main structure with slight text that may link to coal spoil. It is located in a large area of scour surrounded by bedforms. Nearby items of debris seen to be scattered to the south-west. The <i>Groenlo</i> was a Dutch steamship of 1984 gross tons. The <i>Groenlo</i> was built in 1926 by N. V. Boele's, Bolne and its machinery was made by N V Boele's schps and Machfb, Bolnes. It was equipped with two boilers, a triple expansion engine of 209 HP and a single shaft. At its time of loss, the <i>Groenlo</i> was carrying a cargo of coal when it was torpedoed by an E-boat whilst en route from Hartlepool for London. It was lost on the 24th November 1941. The remains of the wreck are stated in the



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								UKHO to cover an area of 104.0 m x 8.9 m with a height of 9.1 m. The wreck lies with an orientation of 084/264 degrees.
700218 (UKHO 10313)	Wreck	407392	5782532	85.7	46.9	2.5	31220	A very large and dispersed wreck situated within bedforms on the seabed. Detailed interior can be seen including likely structure such as slats and deck items, numerous items, seen as dark reflectors, with and without apparent height are visible within the wreckage. Two large objects with large shadows are possibly boilers and one end of either the bow or stern looks to be intact. The wreck has significant height off the seabed with sediment build up on its east side. The wreck is orientated in a north to south direction. There are very large magnetic anomalies associated with this wreck indicating ferrous material is present or a ferrous construction. In the MBES data this wreck is clearly visible as a very large oval mounded feature with internal linear structural feature visible, in the centre of the wreck 2-3 large rounded mounds are discernible. This wreck is recorded in the UKHO as <i>Jim</i> (UKHO 10313) a steamship built in 1908 by J Crown & Sons LTD, Sunderland. The vessel had two boilers and a triple expansion engine with original dimensions of 117.3 x 15.2 x 8.5 m

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700244 (UKHO 10325)	Wreck	410382	5785290	71.7	17.6	2.3	9392	A very large and dispersed wreck orientated in a northeast to southwest direction and possibly broken into two pieces. A large number of distinct dark reflector objects are visible with significant height, angular objects and linear pieces are discernible in the wreckage. The wreck is situated on a rough and uneven area of the seabed and outcropping geology. The wreck appears to be very degraded though still with significant height. In the MBES data the wreck is visible as an alignment of uneven mounds, there appear to be a number of small but deep depressions around the edge of the wreck up to 3 m deep. There is a possible boiler visible in the centre of the wreck standing at 2.3 m. There is a very large magnetic anomaly associated with this vessel indicating a possible ferrous construction or cargo. This wreck is recorded in the UKHO database as the <i>Mangara</i> steamship that was sunk in 1915 by the torpedo by the UB-16, its cargo is record as being 2400 tons or iron ore. The original vessel dimensions are 79.2 x 11.3 x 5.2 m.
700254	Debris	413086	5787738	2.50	0.60	0.50	-	Small dark reflector with a non-tapering squared shadow and linear dark reflector extending from item to nearby wreck ( <b>700255</b> , UKHO 10331). No clear magnetic anomaly identified, however due to proximity to the large anomaly of the wreck it may not be clearly visible. Likely a rope and item that may be linked to the wreck or related to an item that has been snagged on the wreck (fishing gear). Feature treated with high risk to ensure safety of feature and wreck.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700255 (UKHO 10331)	Wreck	413082	5787765	53.4	21.6	5.9	9152	A distinct outline of a wreck that appears to be upright and relatively well intact in the SSS data, however with some disintegration at the bow. The vessel has numerous dark reflectors surrounding it, some of which are linear, which is likely to be associated wreck debris. A linear dark reflector with an object (700254) with height at one end can be seen extending from the ships stern which may be an anchor and chain. The wreck is orientated in a north-northeast to south-southwest direction on a relatively flat area of the seabed. In the MBES data this wreck has clear superstructure preserved on one half of the ship and appears intact on a featureless area of the seabed. There is a very large magnetic anomaly associated with this wreck indicating a ferrous construction or cargo. This wreck is recorded in the UKHO data as <i>Alastair</i> (UKHO 10331), a 366-ton steamship built in 1902 with one boiler and a triple expansion engine. The vessel had build dimensions of 44.2 x 7.3 x 3.4 m and was sunk in 1915 when it struck two mines
700257	Debris Field	411763	5788611	30.0	23.7	0.5	-	Distinct series of dark and bright reflectors, most linear. These items do not appear to have any distinct form or structure but do appear to have associated complex magnetic variance of up to 290 nT. Located outside of the ECR area, however retained due to proximity. Nearby ferrous debris ( <b>700258</b> ) appears of similar form but is located within the ECR area.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700258	Debris Field	411768	5788539	18.5	13.7	0.1	421	Two, straight linear items of debris situated next to one another on a flat area of the seabed, these objects are distinct and make up a possible debris field. There is a large magnetic anomaly associated with these features indicating ferrous material is present. These items are located close to a larger collection of ferrous debris located outside of the ECR cable route (700257), and due to the similarity in nature are thought to be associated.
700262 (UKHO 87913)	Wreck	408286	5783069	29.4	15.9	0.8	228	An outline of a medium sized wreck with no discernible height which suggests that potentially the structure is poorly degraded or is buried by sediment. The wreck has been identified in an area of bed forms which may also mask its extent. The wreck has some possible associated scour and is orientated in a north-west to south-east direction on the seabed. It is to be noted that the area includes some seabed disturbances nearby, no clear items of debris have been identified. In the MBES data the hull of the vessel is clearly distinguished with some possible faint internal structures still standing, though this is unclear, and the wreck has low relief. There is a large magnetic anomaly associated with this wreck indicating a ferrous construction or cargo. This is recorded in the UKHO database as an unknown wreck (UKHO 87913) identified by geophysical survey in 2016.
700263	Debris	408289	5783167	9.1	4.0	0.2	2613	A very distinct angular object alongside a narrow linear object with a small shadow and height off the seabed, possibly in a slight depression. This object has a very large magnetic associated with it indicating substantial ferrous material is present and likely ferrous debris. This object is faintly visible in the MBES data as a slight mound within a depression with very little height off the seabed. This item is located approximately



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								100 m from an unknown wreck (700262, UKHO 87913), it is not clearly related but due to its proximity, an association cannot be ruled out.
700565	Recorded Wreck	406127	5783160	-	-	-	558	This wrecks location is not completely covered by the geophysical datasets, however a very large magnetic anomaly is identified on the closest line of magnetometer data, 44 m south-east of the wrecks location. It is likely that this is related to the wreck, indicating a significant amount of ferrous material. The wreck is reported as being an unknown wreck in the UKHO database (UKHO 87914). The vessel is recorded as having dimensions of 54.3 x 16.2 x 1 m and orientated 166/346 ° on the seabed. The scour length is recorded as being 45.3 x 1 m deep.
700590	Debris	411428	5783615	13.3	13.1	1.6	4091	Partially buried debris visible in both the SSS and MBES datasets. Clearly visible in an area of flat and otherwise featureless seabed. Some detail of internal structure is visible. A separate distinct object with height and linear features are also visible within the boundary. Associated with a very large magnetic anomaly clearly visible in the magnetometer data indicating a significant amount of ferrous material. Feature has no associated UKHO record, however the feature's structure and associated magnetic anomaly suggests a possible wreck site or associated debris. Approximately 500 m from the nearby known wreck (700591, UKHO 10321), not clearly associated.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700591 (UKHO 10321)	Wreck	411648	5783222	162	40	4.1	21605	Wreck of the <i>Magdapur</i> , a steamship built in 1921 by Lithgows Ltd. of Port Glasgow. Original length of 144 m and width at beam of 20 m with a gross tonnage of 8641 T. Powered by a 1147 HP turbine with a single shaft and two boilers. Struck a German mine on passage from South Shields to Southampton on the 10th of September 1939, broke in two and sank with the loss of six men. This wreck is clearly visible in the MBES and SSS datasets, located in an area of flat seabed. The wreck appears upright with some additional debris outside the hull perimeter. Some internal structures are visible but indistinct. Scour and sediment build-up can be seen on all sides. The wreck is associated with a very large magnetic anomaly.
700600	Seabed disturbance	411596	5782442	8.7	8.1	0	1519	Small round seabed disturbance located in an otherwise flat and featureless seabed, comprised poorly defined light and dark reflectors. Feature has an associated very large magnetic anomaly indicating a significant amount of ferrous material. Seen as a series of smaller depressions and mounds on the MBES data. Located approximately 780 m from known wreck (700591, UKHO 10321), however not clearly associated.
700605	Debris	413543	5788077	10.0	6.9	4.9	60	Very large object with a large, distinct, irregular shadow. Scour and sediment build-up visible around the object. Southern edge of object is curved and terminates to a point. Possibly partially buried wreck or debris associated with nearby wrecks. The feature appears to have an associated magnetic variance however, due to the features position between two magnetometer lines, the magnetic signal is quite broad, and the amplitude is likely to be underestimated.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700786 (UKHO 10338)	Wreck	416532	5790383	41.1	8.3	2.3	-	Defined outline of a wreck (UKHO 10338), recorded as being the <i>Mascotte</i> , a steamship built in 1885 by Ramage and Ferguson (Leith). Sunk on the 3rd of September 1916 by a mine laid by U-6 with the loss of one man. On the SSS data, the wreck appears to be relatively well intact and probably upright, located within an area of rippled bedforms. Few internal details are visible are seen on the SSS data, however the wreckage is seen to have significant height. The feature is likely associated with nearby magnetic anomaly 700787 (112 nT), although the magnetometer coverage does not extend to the wreck itself, so the features have been retained as two separate anomalies. The wreck is located outside the study area, however the wreck's associated AEZ falls within the study area and therefore has been retained.
700822	Debris	429487	5797383	1.1	0.9	0.5	-	Curved defined item with broad shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however located within 140 m of a debris field of an unknown wreck (70639, UKHO 10674), potentially an item of debris associated with debris field.
700823	Debris	429573	5797373	3.1	0.8	0.3	-	Curvilinear items with broad height. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however located within 60 m of a debris field of an unknown wreck (70639, UKHO 10674), potentially an item of debris associated with debris field.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700824	Debris	429585	5797375	1.2	0.7	0.3	-	Curvilinear dark reflector with broad height. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however located within 50 m of a debris field of an unknown wreck (70639, UKHO 10674), potentially an item of debris associated with debris field.
700829	Debris	430247	5796406	0.8	0.4	0.1	-	Small elongate dark reflector with slight height, close to the known wreck of the St Patrick (70641, UKHO 10350). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Likely debris associated with the wreck (70641).
700835	Debris field	431208	5798167	27.2	16.8	1.0	-	Collection of items, one large rectangular item (6.2 m x 1.9 m x 0.1 m), a more angular item amongst a number of smaller items scattered around the area. Amongst bedforms and located close to a larger area of debris associated with a known wreck (70645; UKHO 10357) and therefore likely related. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the items are comprised ferrous material.
700836	Debris	431225	5798178	1.7	0.6	0.2	-	Elongate item with slight height, close to a number of items and a debris fields. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Amongst scour and located close to a larger area of debris associated with a known wreck (70645; UKHO 10357) and therefore likely related.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700837	Debris	431228	5798179	2.0	0.4	0.1	-	Item with slight height, close to a number of items and a debris fields. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Amongst scour and located close to a larger area of debris associated with a known wreck (70645; UKHO 10357) and therefore likely related.
700838	Debris	431237	5798179	2.6	0.4	0.1	-	Small dark reflector amongst bedforms. Potentially associated debris to nearby debris field. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Amongst scour and located close to a larger area of debris associated with a known wreck (70645; UKHO 10357) and therefore likely related.
700839	Debris	431245	5798189	1.2	0.9	0.2	-	Faintly indistinct rectangular shaped item with hard corners, located close to debris field and known wreck. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Amongst scour and located close to a larger area of debris associated with a known wreck (70645; UKHO 10357) and therefore likely related.
<b>A2 (Uncertain origin of possible archaeological interest)</b>								
70012	Debris	428980	5798031	3.4	0.2	0.0	-	Short curvilinear anomaly with clearly defined edges identified in the data review for the 2011 report. Located in an area of bedforms. The item was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
70032	Dark reflector	435066	5796808	13.9	9	-0.4	-	Identified in the data review for the 2011 report, an irregular shaped anomaly in an area dominated by sand waves. A scour appears to be associated with this anomaly. Observed in the MBES data as a teardrop shaped scour, aligned 000/180, N/S. Broad end to the north. General seabed depth -36.7 m. This was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
70036	Magnetic	435059	5798101	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
70037	Debris	434976	5798537	3.3	1.4	0.5	-	Elongate dark reflector with broad height with a large amount of scour. Located close to bedforms and rough ground (potential reef). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
70085	Magnetic	441012	5795646	-	-	-	7	Isolated weak magnetic anomaly, identified in the data review for the 2011 report. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
70087	Dark reflector	441036	5797413	12.6	2.5	0.0	-	In the data review for the 2011 report, an anomaly consists of two parallel linear anomalies. The anomalies are located in an area of sand waves and could simply be pronounced sand waves. Not observed in the MBES data. The item was not identified during the latest phase of assessment. It is possible



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation
72331	Debris	440671	5783569	9.2	1.5	0.9	-	An item of debris was identified in the 2012 geophysical data assessment and was reported as being an object with hard near edge, possibly linear. This feature was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
72335	Dark reflector	440011	5782294	3.8	2.0	0.0	-	A semi-circular feature lying at the crest of a sand wave was identified during the 2012 geophysical data assessment however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation. The feature is located approximately 50 m WSW of magnetic anomaly 700936 identified during the 2018 data assessment. It is possible that these features are related however, as this cannot be confirmed, they have been retained as two separate anomalies.
72336	Debris	439561	5782066	4.6	0.2	0.2	6	A straight, slightly elongated dark reflector with a bright shadow identified on the most recent SSS data. Feature appears to correspond with a small magnetic anomaly identified during the 2012 data assessment, indicating some ferrous material. The feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing. Possible short linear item of debris.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
72340	Seabed disturbance	437775	5782035	14.5	9.1	0	-	Oval area of uneven seabed identified during the 2012 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
72342	Dark reflector	436930	5782002	3.3	0.7	0.3	-	A very small but distinct dark reflector with a bright shadow identified on the most recent SSS data. Feature corresponds with a linear feature with height identified during the 2012 data assessment. Possibly natural however has the potential of being a non-ferrous item of debris.
73160	Bright reflector	428723	5779981	4.0	1.4	0.0	-	An irregularly shaped bright reflector was identified during 2012 data assessment, however was not identified during the 2014 and latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
73161	Dark reflector	430638	5780807	3.8	0.7	1.7	-	Indistinct linear feature with faint shadow identified during 2012 data assessment, however was not identified during the 2014 and latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
73162	Dark reflector	430928	5781032	10.5	2.8	0.5	-	Indistinct feature with height identified during the 2012 data assessment, however was not identified during the 2014 and latest phase of assessment. It is possible that this is due to burial



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
73163	Rope/chain	430763	5781155	303	0.7	0.1	67	A series of magnetic anomalies running approximately 303 m north-west to south-east. At the feature's south-eastern end, a slightly wavy linear dark reflector (centred on 430877 E and 5781113 N), measuring 30.5 x 0.7 x 0.1 m, is seen on the SSS data orientated north-east to south-west with a corresponding magnetic anomaly of 25 nT, indicating a ferrous feature such as cable or chain. At the feature's north-western end, the feature corresponded with a small magnetic anomaly, measuring 11 nT, identified during the 2012 data assessment. Due to the length of the feature, it is possible that this represents a length of uncharted cable. However, this isn't certain and as such, the feature has been retained as potential archaeology.
73164	Magnetic	430411	5780550	-	-	-	15	Medium magnetic anomaly without an associated SSS contact identified during the 2012 data assessment. Feature was not identified in the 2014 data assessment or the most recent magnetometer data, which may reflect differences in line positioning and spacing.
73165	Magnetic	428215	5779651	-	-	-	30	Asymmetric dipolar anomaly identified originally during the 2012 data assessment, and then updated during the 2014 data assessment. Feature was not identified in the most recent magnetometer data, though some magnetic variance was present, which may reflect differences in line positioning and spacing.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
73166	Magnetic	428224	5779847	-	-	-	62	A small dipole identified on the magnetometer data during this phase of the geophysical assessment. Feature corresponds with a medium magnetic anomaly identified in the 2012 and 2014 data assessments. Differences in position and magnetic amplitude may reflect differences in line positioning and spacing.
73167	Magnetic	429696	5780475	-	-	-	8	Medium magnetic anomaly without an associated SSS contact identified during the 2012 data assessment. Feature was not identified in the 2014 data assessment or the most recent magnetometer data, which may reflect differences in line positioning and spacing.
73169	Seabed disturbance	428057	5780059	21.7	9.1	2.7	-	Sub-rectangular shaped area of anomalous seabed was identified during 2012 data assessment, however was not identified during the 2014 and latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
73170	Magnetic	427116	5780215	-	-	-	19	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
73198	Magnetic	428169	5779538	-	-	-	14	Positive monopole on one line only. Near an area of clear natural noise and part of a linear feature probably derived from a bedform, so possibly natural. Corresponds with a small anomaly identified in 2012 assessment.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
76924	Dark reflector	442934	5789167	2.6	0.7	0.6	-	Medium sized rectangular hard edged dark reflector with bright shadow. Anomaly is located on a crest of a sand wave.
76925	Dark reflector	442855	5789104	1.4	0.2	0.4	-	Small hard edged dark reflector with shadow. Rectangular shaped and located on a rough and uneven part of the seabed.
76927	Debris	441822	5788695	1.9	0.5	0.3	-	Distinct, hard edged dark reflector anomaly with bright shadow. Possible piece of debris, isolated on a sandy part of the seabed, scouring to the north for approximately 10 m.
76942	Dark reflector	442470	5790825	0.6	0.5	0.5	-	Small square shaped hard edged dark reflector anomaly with shadow. Distinct and isolated anomaly with a scour to the north. Lots of similar anomalies across the cable route and could be natural geology.
77908	Magnetic	425354	5780277	-	-	-	8	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77909	Magnetic	426930	5780474	-	-	-	24	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not definitively identified in the most recent magnetometer data, however the feature is located approximately 40 m NE of magnetic anomaly 42646 which may be related.
77911	Magnetic	427255	5780812	-	-	-	15	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
77912	Magnetic	428974	5781392	-	-	-	23	Small positive monopole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77915	Magnetic	433738	5781870	-	-	-	51	Medium positive monopole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77916	Magnetic	432022	5782058	-	-	-	25	Small positive monopole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77917	Magnetic	431098	5781767	-	-	-	10	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77918	Magnetic	433809	5782213	-	-	-	31	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
77919	Debris	435466	5782581	3.5	0.5	0	42	Thin, straight, elongated dark reflector with a bright shadow identified on the SSS data. This corresponds with a small magnetic anomaly identified during the 2014 data assessment, indicating the presence of ferrous material. The feature was not identified on the most recent magnetic data, which may reflect differences in line positioning and spacing. Possible linear item of ferrous debris.
77920	Magnetic	437308	5783462	-	-	-	32	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77928	Magnetic	439251	5784529	-	-	-	287	A small monopole, measuring 27 nT was identified during this phase of data assessment. This corresponded with a large magnetic anomaly identified during the 2014 data assessment. Differences in magnetic amplitude may reflect differences in line positioning and spacing. Nothing visible on the SSS data or MBES data during either phase off assessment, indicating ferrous debris with no surface expression.
77929	Debris	438307	5784009	1.8	0.3	0.2	138	A small magnetic anomaly, measuring 21 nT and corresponding with a small, slightly elongated dark reflector with a bright shadow, was identified on the geophysical data during this phase of the geophysical assessment. This also corresponds with a large magnetic anomaly, measuring 138 nT, identified during the 2014 data assessment. Differences in magnetic amplitude may reflect differences in line positioning and spacing. As such, the larger, previously observed magnetic anomaly has



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								been grouped with the SSS feature identified during this phase. Possible ferrous item of debris.
77930	Magnetic	441408	5788683	-	-	-	41	Dipolar anomaly present across two lines, in magnetically quiet area. No associated SSS or MBES contact.
77932	Magnetic	430660	5781310	-	-	-	16	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77939	Magnetic	437245	5783968	-	-	-	81	Medium magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77940	Magnetic	436915	5782804	-	-	-	13	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77941	Magnetic	439716	5783738	-	-	-	17	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
77942	Magnetic	440331	5784034	-	-	-	10	Weak asymmetric dipolar anomaly amongst sand waves was reported on in the 2014 geophysical assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
77943	Magnetic	440359	5783908	-	-	-	15	Small dipole identified on the magnetometer data. Also identified in the previous 2014 assessment as a weak asymmetric dipolar anomaly measuring 12 nT. Nothing visible on the SSS or MBES data during either phase of assessment. Possibly ferrous debris which is either buried or has no surface expression.
77970	Magnetic	443806	5789015	-	-	-	55	Distinct dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
77971	Magnetic	444001	5788317	-	-	-	9	Weak, slightly broader dipolar anomaly, possibly natural and amongst medium sand waves. No associated SSS or MBES contact.
77972	Magnetic	443160	5788783	-	-	-	26	Dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
77973	Magnetic	443440	5789158	-	-	-	17	Distinct dipolar anomaly amongst medium sand waves. No associated SSS or MBES contact.
77974	Magnetic	443306	5788350	-	-	-	45	Distinct dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
77975	Magnetic	442851	5790349	-	-	-	8	Small asymmetric dipolar anomaly at interface between sand waves and featureless seabed sediment. No associated SSS or MBES contact.
77976	Magnetic	443266	5788594	-	-	-	77	Distinct asymmetric dipolar anomaly amongst sand waves. No associated SSS or MBES contact.
77977	Magnetic	442947	5790464	-	-	-	9	Narrow peaked negative monopolar anomaly. No associated SSS or MBES contact.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
77978	Magnetic	443122	5790812	-	-	-	20	Distinct asymmetric dipolar anomaly in discrete area of sand waves. No associated SSS or MBES contact.
77981	Magnetic	442533	5789365	-	-	-	42	Broader peaked positive monopolar anomaly in magnetically quiet area, possibly natural. No associated SSS or MBES contact.
77982	Magnetic	441900	5787893	-	-	-	33	Complex looking positive peaked anomaly in a magnetically quiet area, possibly natural. No associated SSS or MBES contact.
77999	Magnetic	439396	5785352	-	-	-	43	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, but magnetic variance was seen in the area, which may reflect differences in line positioning and spacing. The anomaly is broad indicating that it may be linked to a natural feature, however retained at this time for archaeological precaution.
78000	Magnetic	438444	5784958	-	-	-	10	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78001	Magnetic	439452	5784983	-	-	-	11	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78002	Magnetic	438511	5784467	-	-	-	49	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78004	Magnetic	438234	5783293	-	-	-	14	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78005	Magnetic	438624	5783503	-	-	-	20	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, but magnetic variance was seen in the area, which may reflect differences in line positioning and spacing. The anomaly is broad indicating that it may be linked to a natural feature, however retained at this time for archaeological precaution. Located close to anomalies 700955 and 700956, may be associated.
78006	Magnetic	438162	5784159	-	-	-	12	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78013	Magnetic	428066	5779763	-	-	-	28	Small negative monopole measuring 17 nT identified during this phase of data assessment. Feature corresponds with a negative monopole identified in the 2014 data assessment. Differences in position and magnetic amplitude may reflect differences in line positioning and spacing.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78014	Magnetic	428448	5780107	-	-	-	13	Small positive monopole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78015	Magnetic	427705	5779817	-	-	-	7	Small negative monopole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78024	Magnetic	443113	5788895	-	-	-	7	Negative monopolar anomaly amongst sand waves. No associated SSS or MBES contact.
78043	Magnetic	428881	5781017	-	-	-	7	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78045	Magnetic	427726	5780074	-	-	-	8	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78048	Magnetic	434572	5782829	-	-	-	10	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, though a small amount of magnetic variance was seen, which may reflect differences in line positioning and spacing.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78049	Magnetic	439431	5785486	-	-	-	5	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78050	Magnetic	434352	5782897	-	-	-	8	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78052	Magnetic	427306	5780489	-	-	-	5	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78054	Magnetic	432429	5781340	-	-	-	6	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78055	Magnetic	435274	5782882	-	-	-	7	Negative monopolar magnetic anomaly identified in the 2014 report, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78056	Magnetic	434812	5782340	-	-	-	6	Small dipole identified during the 2014 data assessment, with Nothing visible on the SSS or MBES data. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78057	Magnetic	435574	5782873	-	-	-	10	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78058	Magnetic	438378	5783779	-	-	-	11	Small magnetic anomaly without an associated SSS contact was identified in the 2014 geophysical data assessment. Feature was not identified in the most recent magnetometer data, which may reflect differences in line positioning and spacing.
78154	Mound	444069	5788900	22.0	12.0	1.5	-	Flat topped crescent shaped mound in a region of sand waves. North west to south east orientated - perpendicular to that of the surrounding sand waves.
78155	Mound	433605	5782194	26.0	6.5	0.5	-	An elongated mound, orientated north-west to south-east and with a slightly spherical end to the SSE was identified during the 2014 data assessment. This correspond with a slight mound, measuring 15 x 5.8 x 0.2 m, identified in the current MBES data assessment. The dimensions identified during the 2014 assessment have been retained here as it may be that the feature has been partially buried by mobile sediments, obscuring the features dimensions. May be a natural bedform however has the possibility of being a buried non-ferrous feature of archaeological interest and, as such, has been retained as potential archaeology.
78166	Bright Reflector	430988	5781107	6.4	6.4	0.0	-	Isolated and irregular bright reflector identified amongst the sand waves during the 2014 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								feature has been retained as potential archaeology based on the previous interpretation.
78167	Seabed disturbance	432249	5781790	30.4	6.5	1.1	-	Distinct oval area of disturbance identified during the 2014 data assessment, however not identified on the current data. The feature is reported as having bright and dark reflectors, the largest (2 m x 2.6 m x 1 m) of which is a diffuse anomaly with distinct irregular shadow showing height variation. The feature has a central oval bright reflector & adjacent irregular bright reflector. It is possible that the feature was not identified on the current data due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78168	Dark Reflector	433636	5781931	2.0	1.7	0.3	-	Diffuse anomaly isolated amongst sand waves. with some disturbance to the sediment formation with scour and clear shadow, identified during the 2014 data assessment. However, feature was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78169	Dark Reflector	433516	5782171	3.4	0.5	0.2	-	Isolated and indistinct anomaly identified during the 2014 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78170	Seabed disturbance	434173	5782569	10.9	7.9	0.3	-	An area of disturbed seabed comprised poorly defined bright and dark reflectors identified on the SSS data, corresponding with a slight seabed disturbance identified on the MBES data. This feature was originally identified in the 2014 data assessment as debris, measuring 7.7 x 1.5 x 0.3 m, and reported as being diffuse with harder looking sediment in the central area with some bright reflectors at the perimeter. The feature classification and dimensions have been updated based on the latest data assessment.
78171	Dark Reflector	435831	5782813	2.5	1.0	0.2	-	Diffuse anomaly amongst sand waves with a slight depression identified during the 2014 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78172	Dark Reflector	435919	5782790	1.7	0.5	0.2	-	Isolated anomaly with a clear shadow identified during the 2014 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78173	Debris	436914	5782861	5.1	1.9	0.5	-	A very distinct, elongated dark reflector with a bright shadow was identified on the SSS data during this phase of assessment. This corresponds with a distinct 'T' shaped anomaly with a clear angular shadow identified during the 2014 data assessment. Possible item of non-ferrous debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
78174	Dark Reflector	436973	5783794	0.7	0.4	0.3	-	Isolated and distinct anomaly with a rounded shadow was identified during the 2014 data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78175	Dark reflector	437489	5783525	1.7	0.8	0.7	-	A small dark reflector with a bright shadow was identified on the most recent geophysical data. The feature corresponds with a small distinct anomaly with a tapered shadow identified during the 2014 data assessment. Possibly natural however has the potential of being a non-ferrous item of debris.
78176	Dark reflector	438258	5783804	2.2	1.9	0.5	-	A small and distinct dark reflector with a bright, relatively broad shadow identified during the most recent geophysical assessment. The feature corresponds with an elongated anomaly with a distinct oblong shadow and a possible scour identified during the 2014 data assessment.
78177	Dark Reflector	438437	5783346	0.8	0.8	0.1	-	Small indistinct dark reflector was identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78178	Dark Reflector	438433	5783350	7.7	2.7	0.3	-	Distinct oval anomaly with a clear oblong shadow visible was identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78179	Dark Reflector	438412	5783292	2.8	0.3	0.3	-	Distinct elongated anomaly with an angular shadow identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78180	Dark Reflector	438553	5783304	1.7	0.4	0.5	-	Small isolated anomaly with a distinct sub-oval shadow identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78181	Dark Reflector	439051	5783980	1.8	1.0	0.4	-	Indistinct anomaly with a clear tapered shadow was identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78182	Dark Reflector	439655	5784631	2.7	1.0	0.2	-	A small isolated anomaly with a tapered shadow and distinct scour mark was identified during the 2014 geophysical data assessment, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78183	Dark Reflector	440597	5784519	2.7	0.3	0.2	-	Elongated anomaly with a clear shadow located on a quiet seabed between areas of sand waves. Feature was identified during a previous phase of geophysical interpretation in 2014, however was not identified during the latest phase of assessment. It is possible that this is due to burial by mobile sediments and, as such, the feature has been retained as potential archaeology based on the previous interpretation.
78184	Dark reflector	440768	5784409	3.5	0.7	0.8	-	An elongated, slightly angular, dark reflector object with a bright shadow. The object has associated scour orientated north and measuring 20 m. Also identified in the 2014 assessment, this feature was reported as being an indistinct fragmented anomaly isolated on the seabed with small rounded shadows. Possibly natural however has the potential of being a non-ferrous item of debris.
700198	Rope/Chain	406152	5781263	7.9	0.4	0.0	39	A very straight and long linear dark reflector object located on an outcropping bedrock. There is a small magnetic anomaly associated with this feature indicating ferrous material is present. Likely a length of chain.
700125	Dark reflector	442724	5791054	3.0	0.5	0.1	-	A straight and elongated dark reflector object with a slight shadow. Identified in a relatively featureless area of seabed. This could be a natural feature or item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700158	Bright reflector	442390	5789905	11.7	2.8	0.0	-	An elongated, irregularly shaped bright reflector that is relatively isolated on the seabed. This could be a natural feature or a large item of debris.
700159	Dark reflector	441595	5789425	3.7	0.8	0.4	-	A faint, slightly elongated dark reflector with height identified in an area of mega ripples and may be partially buried. This could be a natural feature or item of debris.
700164	Dark reflector	441135	5788944	10.2	9.0	0.9	-	A long and slightly angular shaped dark reflector with a broad and rectangular shadow with significant height. This feature has been identified in an area of rippled seabed and could be a natural feature or item of debris.
700166	Debris	441717	5795427	12.2	0.4	0.1	-	A long and thin curvilinear dark reflector with a very slight shadow identified within an area of rippled seabed. The object is a slightly different orientation to natural formations and therefore interpreted as a possible linear item of debris.
700189	Magnetic	444034	5788896	-	-	-	20	Small negative monopole with no surface expression, possibly buried ferrous object.
700199	Debris	407037	5783188	1.5	0.2	0.0	31	A small magnetic anomaly identified in the magnetic data, with an elongate dark reflector with no apparent height seen at the same location. This may be a ferrous item of debris. Located amongst an area of bedforms, indicating potential for partial burial. Located close to a number of magnetic anomalies that appear to follow a linear trend (700466, 700467).
700200	Debris	406667	5782627	1.3	1.0	0.0	327	A very small angular object with no discernible shadow within an area of outcropping geology and sediment bed forms. There is a large magnetic anomaly associated with this object indicating



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								ferrous material is present. This is a possible ferrous item of debris
700201	Debris	406972	5783278	1.7	0.6	0.4	89	A small slightly rounded dark reflector with a broad shadow in an area of sediment bed forms. This object is associated with a medium sized magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris
700202	Debris	406611	5782760	3.2	1.8	0.9	53	Rounded dark reflector with a large tapering shadow with significant height off the seabed. This anomaly is possibly associated with a magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris
700203	Magnetic	406797	5783388	-	-	-	31	Small positive monopolar magnetic anomaly seen in the magnetic data. No clear surficial surface expression in the SSS or MBES data, however located close to an area of outcropping bedrock. Possibly ferrous debris which is either buried or has no clear surface expression.
700204	Debris	405883	5781632	1.2	0.8	0.3	88	A small and elongated rounded dark reflector object with a bright, rounded shadow and with slight scour, possibly in a depression. This object is associated with a magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris.
700205	Dark reflector	405846	5781446	1.2	0.5	0.2	-	A small and rounded dark reflector object with a rounded shadow located within an area of flat seabed. Possibly natural however has the potential of being a non-ferrous item of debris.
700206	Dark reflector	405820	5781376	1.7	0.7	0.3	-	A small and rounded dark reflector with a rounded shadow situated in an area of complex outcrop and bed forms. Possibly



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								natural however has the potential of being a non-ferrous item of debris.
700207	Debris field	406648	5783304	31.6	16.2	2.2	223	Cluster of three large objects with very distinct shadows on a rough and uneven area of seabed with outcropping geology. This possible debris field is associated with a magnetic anomaly indicating ferrous material is present. This is a possible ferrous debris field
700208	Debris	406540	5783643	2.0	1.3	0.3	79	A small and rounded dark reflector object with a bright and tapered shadow within a complex area of outcropping geology. This object is associated with a medium sized magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris
700209	Magnetic	405656	5781690	-	-	-	65	A negative monopolar magnetic anomaly appears broad and isolated in the magnetic data. Nothing present in the SSS or MBES data. Located amongst an area of bedforms. Possibly ferrous debris which is either buried or has no surface expression.
700212	Debris	406667	5784042	1.2	0.5	0.0	14	A small, rounded dark reflector that is possibly hollow in its centre situated on an area of textured seabed. There is a small magnetic anomaly associated with this feature indicating ferrous material is present. This is a possible ferrous item of debris
700216	Dark reflector	406572	5780633	2.5	0.6	0.5	-	A distinct and rounded dark reflector object with a bright oval shadow, the object has some sediment build up surrounding it and is in a depression. Possibly natural however has the potential of being a non-ferrous item of debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700217	Rope/Chain	407361	5782267	57.9	0.8	0.0	-	A distinct and linear dark reflector stretching across a flat area of seabed, with less defined sections indicating buried in parts across its extent. A defined rounded dark reflector was seen in the SSS data, and also identified in MBES data as a small mound, is located at the southern end measuring approximately 1.5 x 1.5 x 0.1 m. Nothing was clearly identified in the magnetic data, indicating that the item likely a length of rope with a non-ferrous item attached.
700219	Debris	407362	5782407	1.7	0.1	0.0	-	A small and indistinct linear item of debris with no discernible height. This is an isolated object on a flat area of seabed and possible non-ferrous item of debris
700220	Debris	406687	5780993	1.2	1.2	0.0	124	A small bur distinct rounded dark reflector object with no apparent height off the seabed, situated on a very flat and even area. There is a large magnetic anomaly associated with this object indicating ferrous material is present. This is a possible ferrous item of debris
700221	Debris	406671	5780992	6.6	1.7	0.4	-	A long and distinct dark reflector object with slight height off the seabed located in a very sandy and even area of seabed and is situated 11 m east of a similar anomaly. The object displays possible scour on all sides and may be an item of non-ferrous debris
700222	Debris	407192	5782289	2.6	1.9	0.2	17	A slightly angular dark reflector object within an area of complex outcropping bedrock. There is a small magnetic anomaly associated with this feature indicating ferrous material is present. This is a possible ferrous item of debris

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700223	Debris	407290	5782491	4.7	1.4	0.2	-	A very distinct linear dark reflector within flat sediment but proximal to some outcropping geology. This feature is visible in the MBES data as a slight rectangular mound within a depression. Nothing is clearly identified in the magnetic data, so appears to an item of non-ferrous debris. This feature is situated 95 m southwest of a wreck site (700218, UKHO 10313) and may be debris linked to the wreck.
700224	Debris	406659	5780995	2.4	1.7	0.4	127	A distinct dark reflector object with a long, tapered shadow, situated in a slight depression on a featureless area of the seabed. This object has a large magnetic anomaly associated indicating ferrous material is present. In the MBES data this is visible as a small rounded mound within a depression and is situated 11 m west of a similar anomaly. This is a possible ferrous item of debris
700225	Debris	406775	5781383	1.7	0.3	0.0	15	A small magnetic anomaly identified in the magnetic data with slight surficial expression identified as an elongate dark reflector with no apparent height but slight scour, indicating potential for partial burial. This may be a ferrous item of debris.
700226	Dark reflector	406480	5780770	4.5	1.0	0.2	-	A slightly elongated dark reflector exhibiting slight scour and in a depression with slight height. This object is located in an area of flat seabed and is slightly visible as a mound in the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris
700227	Debris field	407763	5783549	24.6	14.2	0.0	-	A large area of dark reflector objects, some with height within a flat and even area of the seabed. There are some small angular

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								and linear objects visible. In the MBES data a number of small mounds can be seen. This is a possible non-ferrous debris field
700228	Debris	406926	5781942	4.0	0.9	0.8	60	A distinct dark reflector with a long and tapered shadow and significant height off the seabed. This object is situated close to some small bed forms and adjacent to a textured area of outcrop and is visible as a slight mound in the MBES. There is a medium sized magnetic anomaly associated within this object indicating ferrous material is present. This is a possible ferrous item of debris
700229	Rope/Chain	406768	5781733	15.8	0.3	0.1	-	A long, thin and distinct linear dark reflector with an apparent mound (approximately 2 x 2 x 0.1 m) on northern end of the linear feature. Orientated in a north-east to south-west direction in a flat area of the seabed. Nothing was present in the magnetic data, indicating non-ferrous. Likely a rope with a partially buried item at one end.
700230	Debris	407075	5782513	4.5	0.5	0.5	15.0	An elongated dark reflector object with a complex shadow situated within an area of bed forms. There is a small magnetic anomaly possibly associated with this. This is a possible ferrous item of debris
700231	Debris	406696	5781739	2.8	1.4	0.0	19	Small square dark reflector object that slightly stands out within an area of complex outcropping geology and sediment. There is a magnetic anomaly associated with this feature indicating ferrous material is present. This is a possible ferrous item of debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700232	Debris	407208	5781613	13.0	0.8	0.0	-	A long linear dark reflector object within an area of flat sediment. The feature is orientated in an east to west orientation on the seabed and has some possible sediment build-up to the north. This is a possible non-ferrous item of debris
700233	Magnetic	407606	5782402	-	-	-	41	A sharp asymmetric dipolar magnetic anomaly identified in the magnetic data. An item was identified in the SSS data as an indistinct dark reflector with bright shadow and scour measuring 3.2 x 0.8 x 0.3 m, however at this time it appeared natural so has only been mentioned. Item of possibly ferrous debris which is either buried or has no surface expression.
700234	Dark reflector	407543	5782280	4.0	0.4	0.2	-	A distinct elongated rounded reflector with a slight shadow in an area of flat seabed visible as a small depression in the MBES. Possibly natural however has the potential of being a non-ferrous item of debris
700235	Magnetic	407877	5783356	-	-	-	91.66	Complex asymmetric dipolar magnetic anomaly, indicating potentially more than one item. No clear item(s) identified in the SSS or MBES data, however some dark angular reflectors with no apparent height were present amongst the bedforms but likely linked to the natural bedforms. Item possibly ferrous debris which is either buried or has no surface expression.
700236	Dark reflector	406110	5780709	4.2	3.7	0.0	-	A medium sized dark reflector irregular object within an area of flat but undulating seafloor. This feature is possibly partially buried or broken up. Possibly natural however has the potential of being a non-ferrous item of debris



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700237	Debris	406389	5781424	2.2	0.4	0.5	15	A small and rounded dark reflector object with a long, straight shadow and significant height off the seabed. This object has a small magnetic anomaly associated with it indicating ferrous material is present. This is a possible ferrous item of debris
700238	Debris	406681	5781945	10.7	2.8	2.4	24	A large oval shaped mound with a very long tapered shadow and significant height off the seabed, In the MBES this is clearly visible as an oval mound with slight peak, appears larger and more defined than the surrounding natural mounds of likely outcropping bedrock. There is a small magnetic anomaly possibly associated with this feature indicating ferrous material is present. This may be a ferrous item of debris.
700239	Debris	407438	5783674	9.7	0.5	0.0	23	A very long, thin and indistinct straight linear object lying perpendicular to the bedforms in a north to south direction. This object is associated with a small magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris
700240	Magnetic	406380	5781344	-	-	-	16	A sharp asymmetric dipolar magnetic anomaly identified in the magnetic data. No clear corresponding item identified in the SSS or MBES data, as located amongst an area of partially buried, outcropping bedrock with a number of possible boulders. Possibly ferrous debris which is either buried or has no defined surface expression amongst the bedrock.
700241	Debris	406868	5782556	2.4	0.8	0.0	10	A small and angular dark reflector with a slight shadow within a complex area of bed forms. This object is associated with a small magnetic anomaly indicating ferrous material is present. This is a possible ferrous item of debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700242	Seabed disturbance	406700	5782514	15.5	6.3	0.0	135	A large cluster of dark reflector patches within some large sand waves that are possibly buried by fine sands. There is a large magnetic anomaly possibly associated with this feature indicating ferrous material is present. This may be a ferrous seabed disturbance or possibly a natural feature close to a magnetic anomaly
700243	Magnetic	407269	5783592	-	-	-	36	Complex asymmetric dipole identified in the magnetic data, located close to a second item (700523). Nothing clearly associated on the SSS or MBES data. Located in an area of partially buried outcropping bedrock. Possibly ferrous debris which is either buried or has no clear surface expression amongst the bedrock.
700245	Bright reflector	409067	5782181	8.1	2.6	0.0	-	A large, distinct and elongated bright reflector with a dark reflector along the features back edge. Possibly a natural depression however has the potential of being a non-ferrous item of debris
700246	Seabed disturbance	408603	5780512	26.0	7.2	0.2	-	A large oval shaped area of angular bright reflectors and indistinct dark reflectors that appears to be buried by fine sediments. This feature looks slightly anomalous to the surrounding textured seabed. This is a possible non-ferrous seabed disturbance
700247	Dark reflector	409315	5781836	24.2	1.2	0.0	-	A very indistinct slightly curvilinear dark reflector object running perpendicular to the trend of the bed forms on this area of the seabed, it is possible partially buried by fine sediments. This feature is faintly visible in the MBES data as an elongated mound. This may be a natural feature or non-ferrous debris

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700248	Dark reflector	410799	5784291	2.9	0.8	0.3	-	An angular dark reflector object with a small pointed shadow, this object is isolated on a textured area of the seabed, with some minor scour. Possibly natural however has the potential of being a non-ferrous item of debris
700249	Dark reflector	410282	5782864	3.8	0.6	0.5	-	A medium sized square dark reflector object situated within a linear bed form. This object is distinct and isolated on the seabed and faintly visible in the MBES data as a small square mound. Possibly natural however has the potential of being a non-ferrous item of debris
700250	Bright reflector	411072	5784533	8.3	2.5	0.0	-	A distinct and medium sized slightly angular bright reflector object situated on a sandy and even area of the seabed. this object is visible in the MBES data as an irregularly shaped slight depression. Possibly natural however has the potential of being a non-ferrous item of debris
700251	Bright reflector	411298	5784562	3.1	1.0	0.0	-	A distinct bright reflector object isolated in an area of featureless seabed. This is faintly visible in the MBES data as a rounded depression. Possibly natural however has the potential of being a non-ferrous item of debris
700252	Debris	411194	5783840	4.6	4.3	0.0	-	A medium sized and distinct rectangular dark reflector within an area of scour with no discernible height. This object is faintly seen in the MBES data as a small mound within a depression. This is possibly non-ferrous debris
700253	Rope/Chain	413511	5789128	35.3	0.3	0.0	15.0	A faint, indistinct curvilinear dark reflector with very light height that appears to be partially buried by sediment in places. This object has a small magnetic anomaly possible associated



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								indicating ferrous material is present. This is a possible length of chain.
700256	Debris	411636	5788100	6.4	0.3	0.0	-	A distinct straight linear dark reflector object with a slight shadow but no height off the seabed, this object is isolated on a sandy and even area of the seabed. This is a possible non-ferrous linear item of debris
700259	Rope/Chain	411375	5787721	33.5	0.8	0.0	-	A long, thin and curvilinear intermittent dark reflector with slight height off the seabed. This feature is a possibly partially buried or broken up length of rope isolated on a sandy and even area of the seabed. No clear association with magnetic variance, indicating non-ferrous debris.
700260	Seabed disturbance	409955	5785060	17.7	6.0	0.0	-	A large spread of partially buried linear dark reflector objects in an area of otherwise fairly flat seabed. This is a non-ferrous seabed disturbance possibly containing a buried debris feature
700261	Debris	409579	5785382	6.5	5.0	2.5	-	A very distinct rounded dark reflector object with a large tapered shadow and significant height off the seabed. This object is isolated and situated in an area of small bed forms with some scour on one side. In the MBES data this is clearly visible as a substantial mound within a depression, the depression measures 15.5 x 13 m. This is a possibly non-ferrous item of debris
700264	Magnetic	408265	5783258	-	-	-	107	A positive monopolar magnetic anomaly identified in the magnetic data. Nothing clearly defined in the SSS or MBES data. Possible seabed disturbance and mound with scour seen nearby but not clearly linked. Likely ferrous debris which is either buried or has no clear surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700265	Debris	407357	5781482	3.5	1.6	0.0	150.0	An elongated dark reflector object with a slight depression isolated on a sandy and even area of the seabed, the object appears to be buried. There is a large magnetic anomaly associated with this feature indicating ferrous material is present. This is a possibly partially buried piece of ferrous debris
700266	Debris field	408022	5783044	45.7	42.8	0.2	305.0	A large spread of possible debris objects situated on a sandy area of the seabed, more may be buried within the extents. Over ten distinct but small dark reflectors objects with shadows, there is a linear reflector visible with smaller straight and rounded objects surrounding it. This feature has a large magnetic anomaly associated indicating ferrous material is present. This area of possible objects is situated in a large depression in the MBES data with small mound features within in measuring approximately 3 x 2 m maximum. This is a possible ferrous debris field
700267	Magnetic	414475	5790668	-	-	-	32	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700268	Magnetic	413781	5789378	-	-	-	49	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700269	Magnetic	413397	5789131	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700270	Magnetic	413385	5788499	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700271	Magnetic	412893	5788498	-	-	-	214	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700272	Magnetic	412400	5788610	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700273	Magnetic	411740	5788476	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700274	Magnetic	411998	5788440	-	-	-	43	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700275	Magnetic	412425	5788419	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700276	Magnetic	413285	5788043	-	-	-	195	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700277	Magnetic	413104	5787998	-	-	-	84	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700278	Magnetic	413064	5787892	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700279	Magnetic	412933	5787849	-	-	-	38	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700280	Magnetic	413115	5787635	-	-	-	130	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700281	Magnetic	412634	5788156	-	-	-	41	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700282	Magnetic	411275	5788065	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700283	Magnetic	411466	5787765	-	-	-	50	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700284	Magnetic	411736	5787406	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700285	Magnetic	411813	5787428	-	-	-	13	Small and broad magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700286	Magnetic	412609	5787279	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700287	Magnetic	412708	5787356	-	-	-	117	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700288	Magnetic	412772	5787491	-	-	-	38	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700289	Magnetic	412587	5787088	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700290	Magnetic	412649	5787070	-	-	-	89	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700291	Magnetic	412681	5787116	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700292	Magnetic	411208	5787098	-	-	-	41	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700293	Magnetic	411623	5786761	-	-	-	215	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700294	Magnetic	411779	5786771	-	-	-	26	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700295	Magnetic	411904	5786666	-	-	-	37	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700296	Magnetic	412543	5786854	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700297	Magnetic	412288	5786406	-	-	-	57	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700298	Magnetic	412576	5786440	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700299	Magnetic	412696	5786713	-	-	-	120	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700300	Magnetic	412158	5786384	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700301	Magnetic	412172	5786312	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700302	Magnetic	412074	5786324	-	-	-	30	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700303	Magnetic	412231	5785808	-	-	-	82	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700304	Magnetic	410905	5786039	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700305	Magnetic	410515	5786033	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700306	Magnetic	410280	5786338	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700307	Magnetic	409845	5786277	-	-	-	32	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700308	Magnetic	410923	5785954	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700309	Magnetic	410695	5785801	-	-	-	53	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700310	Magnetic	410421	5785690	-	-	-	52	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700311	Magnetic	410049	5785719	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700312	Magnetic	409745	5785416	-	-	-	238	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700313	Magnetic	409804	5785439	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700314	Magnetic	410897	5785422	-	-	-	36	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700315	Magnetic	411114	5785385	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700316	Magnetic	410855	5784576	-	-	-	75	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700317	Magnetic	412005	5785200	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700318	Magnetic	411800	5784756	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700319	Magnetic	410995	5784067	-	-	-	44	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700320	Magnetic	411102	5783345	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700321	Magnetic	409940	5784853	-	-	-	70	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700322	Magnetic	409985	5784848	-	-	-	43	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700325	Magnetic	408916	5784685	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700326	Magnetic	409156	5784735	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700327	Magnetic	410617	5782852	-	-	-	104	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700328	Magnetic	410573	5782756	-	-	-	83	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700329	Magnetic	410547	5782680	-	-	-	250	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700330	Magnetic	410525	5782632	-	-	-	279	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700331	Magnetic	410459	5782508	-	-	-	76	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700332	Magnetic	409936	5781112	-	-	-	38	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700333	Magnetic	409660	5781252	-	-	-	80	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700334	Magnetic	409551	5781605	-	-	-	54	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700335	Magnetic	409560	5781263	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700336	Magnetic	409657	5782193	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700337	Magnetic	409026	5782610	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700338	Magnetic	408121	5780996	-	-	-	35	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700339	Magnetic	407806	5780303	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700340	Magnetic	408669	5782308	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700341	Magnetic	407965	5780891	-	-	-	70	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700342	Magnetic	408657	5782415	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700343	Magnetic	408833	5782912	-	-	-	42	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700344	Magnetic	408667	5783163	-	-	-	48	Small magnetic anomaly identified on the magnetometer data, possibly two separate ferrous features. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700345	Magnetic	408816	5783589	-	-	-	131	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700346	Magnetic	409008	5783538	-	-	-	22	Small magnetic anomaly identified on the magnetometer data, possibly two separate ferrous features. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700347	Magnetic	408523	5783327	-	-	-	71	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700348	Magnetic	407308	5780763	-	-	-	52	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700349	Magnetic	407121	5780469	-	-	-	54	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700350	Magnetic	407530	5781628	-	-	-	49	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700351	Magnetic	407772	5782358	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700352	Magnetic	406807	5780401	-	-	-	63	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700353	Magnetic	408259	5783586	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700354	Magnetic	408226	5783653	-	-	-	208	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700355	Magnetic	407704	5782500	-	-	-	48	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700356	Magnetic	407650	5782501	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700357	Magnetic	407761	5782755	-	-	-	228	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700358	Magnetic	407490	5782246	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700359	Magnetic	406672	5780589	-	-	-	50	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700360	Magnetic	406666	5780769	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700361	Magnetic	406945	5781313	-	-	-	45	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700362	Magnetic	406992	5781389	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700363	Magnetic	407080	5781683	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700364	Magnetic	407170	5781806	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700365	Magnetic	407319	5781967	-	-	-	89	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700366	Magnetic	407314	5782077	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700367	Magnetic	407318	5782205	-	-	-	308	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700368	Magnetic	407548	5782160	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700369	Magnetic	407852	5783047	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700370	Magnetic	407740	5783017	-	-	-	112	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700371	Magnetic	407863	5783165	-	-	-	257	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700372	Magnetic	408234	5784344	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700373	Magnetic	408221	5784558	-	-	-	66	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700374	Magnetic	407429	5782695	-	-	-	51	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700375	Magnetic	407591	5783047	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700376	Magnetic	407590	5783089	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700377	Magnetic	407783	5783473	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700378	Magnetic	407830	5783458	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700379	Magnetic	407760	5783305	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700380	Magnetic	407590	5782923	-	-	-	78	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700381	Magnetic	407283	5782331	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700382	Magnetic	407320	5782427	-	-	-	89	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. Situated 100 m southwest of a very dispersed wreck and may be associated buried debris
700383	Magnetic	407333	5782478	-	-	-	45	Positive monopole on one line only. Clear sharp signal superimposed on the artificially raised signal around the nearby wreck. May be associated debris. Situated 55 m southwest of a very dispersed wreck and may be associated buried debris



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700384	Magnetic	406665	5780944	-	-	-	73	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700385	Magnetic	406595	5780791	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700386	Magnetic	407207	5782560	-	-	-	99	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700387	Magnetic	407320	5782716	-	-	-	67	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700388	Magnetic	407191	5782340	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700389	Magnetic	406197	5780704	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700390	Magnetic	406064	5781010	-	-	-	44	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700391	Magnetic	406414	5781185	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700392	Magnetic	406724	5781495	-	-	-	52	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700393	Magnetic	406690	5781423	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700394	Magnetic	406414	5781590	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700395	Magnetic	406518	5781645	-	-	-	225	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700396	Magnetic	406176	5781626	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700397	Magnetic	406206	5781693	-	-	-	30	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700398	Magnetic	405863	5781585	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700399	Magnetic	406709	5781762	-	-	-	36	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700400	Magnetic	406381	5781831	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700401	Magnetic	406366	5781923	-	-	-	55	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700402	Magnetic	406313	5781924	-	-	-	58	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700403	Magnetic	405786	5781877	-	-	-	532	A very large magnetic anomaly identified on two lines, approximately 30 m apart, may indicate a singular length of ferrous material or be two items that are likely linked as a ferrous feature. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700404	Magnetic	406065	5782104	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700405	Magnetic	406121	5781991	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700406	Magnetic	406538	5781931	-	-	-	63	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700407	Magnetic	406643	5782096	-	-	-	169	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700408	Magnetic	406616	5781985	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700409	Magnetic	406841	5781932	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700410	Magnetic	406881	5782136	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700411	Magnetic	406979	5782064	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700412	Magnetic	406836	5782221	-	-	-	66	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700413	Magnetic	406760	5782235	-	-	-	27	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700414	Magnetic	406550	5782214	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700415	Magnetic	406554	5782342	-	-	-	33	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700416	Magnetic	406376	5782190	-	-	-	102	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700417	Magnetic	406180	5782185	-	-	-	44	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700418	Magnetic	406161	5782141	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700419	Magnetic	407058	5782405	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700420	Magnetic	406919	5782463	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700421	Magnetic	406912	5782518	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700422	Magnetic	406752	5782453	-	-	-	96	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700423	Debris	406653	5782388	6.6	4.5	1.2	68	A large and slightly angular dark reflector object with a clear, very jagged shadow and significant height off the seabed. This feature is located in an area of textured seabed but is clearly defined. There is a medium sized magnetic anomaly associated with this feature indicating ferrous material is present. This is a possible ferrous item of debris
700424	Magnetic	406660	5782441	-	-	-	177	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700425	Magnetic	406675	5782475	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700426	Magnetic	406705	5782534	-	-	-	43	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700427	Magnetic	406709	5782495	-	-	-	55	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700428	Magnetic	406452	5782510	-	-	-	82	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700429	Magnetic	406416	5782593	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700430	Magnetic	406513	5782661	-	-	-	76	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700431	Magnetic	406478	5782698	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700432	Magnetic	406494	5782771	-	-	-	33	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700433	Magnetic	406707	5782731	-	-	-	273	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700434	Magnetic	406696	5782703	-	-	-	83	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700435	Magnetic	406560	5782878	-	-	-	110	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700436	Magnetic	406590	5782945	-	-	-	229	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700437	Magnetic	406709	5782860	-	-	-	65	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700438	Magnetic	406804	5782882	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700439	Magnetic	406883	5782838	-	-	-	71	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700440	Magnetic	407184	5783008	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700441	Magnetic	407084	5782949	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700442	Magnetic	406998	5782975	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700443	Magnetic	406904	5782907	-	-	-	37	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700444	Magnetic	406964	5782911	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700445	Magnetic	406902	5782990	-	-	-	59	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700446	Magnetic	407252	5783049	-	-	-	67	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700447	Magnetic	407513	5783116	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700448	Magnetic	407224	5783077	-	-	-	57	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700449	Magnetic	406705	5783081	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700450	Magnetic	406661	5783096	-	-	-	672	Very large and broad magnetic anomaly across 30 m of seabed identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. This feature is close to an area of magnetic variance that may be associated however, as the magnetic variance doesn't appear to be archaeological and is quite irregular, it hasn't been retained as potential archaeology.
700451	Magnetic	406318	5783017	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700452	Magnetic	406350	5783097	-	-	-	36	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700453	Magnetic	406472	5783141	-	-	-	47	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700454	Magnetic	406512	5783113	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700455	Magnetic	406553	5783213	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700456	Magnetic	406381	5783229	-	-	-	107	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700457	Magnetic	406232	5783103	-	-	-	56	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. Located
700458	Magnetic	406198	5783027	-	-	-	49	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700459	Magnetic	406552	5783311	-	-	-	87	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700460	Magnetic	406660	5783312	-	-	-	223	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700461	Magnetic	406569	5783348	-	-	-	42	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700462	Magnetic	407382	5783190	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700463	Magnetic	407284	5783209	-	-	-	70	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700464	Magnetic	407228	5783216	-	-	-	218	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700465	Magnetic	407294	5783231	-	-	-	27	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700466	Magnetic	407014	5783204	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. Located close to a number of magnetic anomalies that appear to follow a linear trend (700199, 700467).



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700467	Magnetic	406985	5783206	-	-	-	38	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. Located close to a number of magnetic anomalies that appear to follow a linear trend (700199, 700466).
700468	Magnetic	406951	5783221	-	-	-	35	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700469	Magnetic	406914	5783162	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700470	Magnetic	406963	5783260	-	-	-	34	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700471	Magnetic	406886	5783253	-	-	-	33	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700472	Magnetic	406996	5783319	-	-	-	26	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700473	Magnetic	406863	5783310	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700474	Magnetic	406821	5783295	-	-	-	27	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700475	Magnetic	406734	5783215	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700476	Magnetic	406721	5783307	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700477	Magnetic	406752	5783374	-	-	-	47	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700478	Magnetic	406359	5783533	-	-	-	43	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700479	Magnetic	406192	5783611	-	-	-	66	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700480	Magnetic	406156	5783621	-	-	-	196	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700481	Magnetic	406197	5783650	-	-	-	68	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700482	Magnetic	406634	5783498	-	-	-	120	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700483	Magnetic	406628	5783532	-	-	-	58	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700484	Magnetic	406729	5783501	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700485	Magnetic	406710	5783462	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700488	Magnetic	406249	5783770	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700489	Magnetic	406446	5783846	-	-	-	59	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700490	Magnetic	406511	5783805	-	-	-	98	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700491	Magnetic	406462	5783698	-	-	-	27	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700492	Magnetic	406582	5783733	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700493	Magnetic	406614	5783630	-	-	-	52	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700494	Magnetic	406652	5783760	-	-	-	63	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700495	Magnetic	406680	5783636	-	-	-	41	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700496	Magnetic	406824	5783530	-	-	-	62	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700497	Magnetic	406891	5783486	-	-	-	464	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700498	Magnetic	406800	5783618	-	-	-	33	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700499	Magnetic	406956	5783611	-	-	-	96	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700500	Magnetic	407003	5783620	-	-	-	145	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700501	Magnetic	406985	5783537	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700502	Magnetic	407050	5783562	-	-	-	124	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700503	Magnetic	407085	5783573	-	-	-	80	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700504	Magnetic	407131	5783595	-	-	-	74	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700505	Magnetic	407117	5783576	-	-	-	81	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700506	Magnetic	407031	5783522	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700507	Magnetic	407022	5783431	-	-	-	145	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700508	Magnetic	407048	5783454	-	-	-	104	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700509	Magnetic	407054	5783421	-	-	-	311	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700510	Magnetic	407091	5783461	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700511	Magnetic	407052	5783370	-	-	-	40	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700512	Magnetic	407209	5783458	-	-	-	50	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700513	Magnetic	407324	5783355	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700514	Magnetic	407362	5783367	-	-	-	448	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700515	Magnetic	407356	5783428	-	-	-	84	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700516	Magnetic	407531	5783323	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700517	Magnetic	407591	5783334	-	-	-	11	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700518	Magnetic	407688	5783382	-	-	-	44	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700519	Magnetic	407694	5783445	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700520	Magnetic	407680	5783484	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700521	Magnetic	407750	5783575	-	-	-	80	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700522	Magnetic	407316	5783538	-	-	-	32	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700523	Magnetic	407257	5783564	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression. Located close to a second anomaly ( <b>700243</b> ).
700524	Magnetic	407298	5783657	-	-	-	26	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700525	Magnetic	407045	5783706	-	-	-	40	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700526	Magnetic	406987	5783719	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700527	Magnetic	406821	5783689	-	-	-	68	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700528	Magnetic	406922	5783788	-	-	-	65	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700529	Magnetic	406768	5783680	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700530	Magnetic	406796	5783735	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700531	Magnetic	406793	5783720	-	-	-	21	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700532	Magnetic	406826	5783792	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700544	Magnetic	406728	5784073	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700546	Magnetic	406669	5783961	-	-	-	35	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700547	Magnetic	406924	5784017	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700548	Magnetic	406967	5783880	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700549	Magnetic	407045	5783812	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700550	Magnetic	407101	5783825	-	-	-	39	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700551	Magnetic	407273	5783781	-	-	-	30	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700552	Magnetic	407369	5783779	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700553	Magnetic	407780	5783824	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700554	Magnetic	407708	5783816	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700555	Magnetic	407867	5784194	-	-	-	100	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700557	Magnetic	407528	5784162	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700562	Magnetic	407936	5784342	-	-	-	27	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS and MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700566	Magnetic	415224	5790859	-	-	-	36	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700567	Magnetic	415100	5790671	-	-	-	17	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700568	Rope/Chain	415435	5790667	103	0.7	0.2	20	Very long linear reflector which may represent a length of rope/chain. Located in an area of flat seabed but with other faint seabed disturbances. The feature appears to have an associated magnetic anomaly which indicates the presence of ferrous material, possibly a length of chain.
700569	Magnetic	414871	5790552	-	-	-	16	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700570	Magnetic	415453	5790258	-	-	-	28	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700571	Rope/Chain	415434	5790046	117	0.6	0.2	12	Very long sinuous object within an area of otherwise flat and featureless seabed. Not visible in places, and as such may be partially buried or broken up. Has scoured a slight indentation. The feature has an associated magnetic anomaly indicating a length of chain, or possibly a rope with a buried ferrous item attached.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700572	Magnetic	415113	5790123	-	-	-	61	Medium magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700573	Magnetic	415257	5789467	-	-	-	136	Large sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700574	Magnetic	414083	5789536	-	-	-	93	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700575	Magnetic	414008	5788380	-	-	-	46	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700576	Magnetic	414048	5788384	-	-	-	9	Small but very sharp magnetic anomaly with no associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700577	Magnetic	413001	5787037	-	-	-	30	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700578	Magnetic	413165	5786897	-	-	-	206	Large sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Part of a cluster of anomalies which could represent a spread of



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								ferrous debris which is either buried or has no surface expression.
700579	Magnetic	413120	5786798	-	-	-	22	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Part of a cluster of anomalies which could represent a spread of ferrous debris which is either buried or has no surface expression.
700580	Magnetic	413101	5786757	-	-	-	19	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Part of a cluster of anomalies which could represent a spread of ferrous debris which is either buried or has no surface expression.
700581	Magnetic	413167	5786782	-	-	-	29	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Part of a cluster of anomalies which could represent a spread of ferrous debris which is either buried or has no surface expression.
700582	Magnetic	413339	5785612	-	-	-	138	Large magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700583	Magnetic	412830	5785576	-	-	-	28	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.





ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700584	Magnetic	412298	5785715	-	-	-	71	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700585	Magnetic	412451	5785332	-	-	-	32	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700586	Magnetic	412536	5785287	-	-	-	143	Large magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700587	Magnetic	412892	5785098	-	-	-	24	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700588	Magnetic	412119	5785198	-	-	-	16	Small, slightly broader magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700589	Magnetic	412178	5783878	-	-	-	27	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700592	Magnetic	411850	5783395	-	-	-	83	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700593	Magnetic	412018	5783252	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700594	Magnetic	412131	5783157	-	-	-	16	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700595	Magnetic	411543	5782713	-	-	-	37	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700596	Magnetic	411682	5781921	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700597	Magnetic	411628	5781973	-	-	-	12	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700598	Magnetic	411560	5781918	-	-	-	367	Large magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700599	Magnetic	411598	5782325	-	-	-	87	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700601	Magnetic	411045	5781983	-	-	-	19	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700602	Magnetic	410951	5781695	-	-	-	38	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700603	Rope/Chain	414518	5788350	41.9	0.4	0	-	Linear dark reflector running approximately north to south. Located in an area of flat featureless seabed. Slightly curved at the southern end. No magnetic signature present, and as such may be a discarded rope or other non-ferrous debris.
700604	Rope/Chain	413449	5788081	25.6	0.8	0.2	-	Short section of sinuous reflector with what appears to be a rounded dark reflector with height at one end. No associated magnetic response and as such possibly a rope. Located in an area of flat seabed but proximal to a large possible wreck so may be associated.
700606	Debris	413838	5787938	12.0	2.3	0.3	-	A straight, linear dark reflector with a small dark reflector on the near edge with a rounded shadow. Located in an area of flat and otherwise featureless seabed. Seen on the MBES datasets an elongated mound protruding from the seabed, possibly indicating partial burial. No associated magnetic anomaly and likely to be a non-ferrous item of debris.
700607	Dark reflector	413911	5787002	1.3	0.9	0	-	Small sub-angular object or disturbance which appears to be a possible cluster of much smaller linear objects. Located proximal to a large bedform but looks different from other natural features.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								Nothing visible in the MBES dataset and not associated with a magnetic anomaly.
700608	Rope/Chain	412988	5785722	45.3	0.8	0.1	-	Slightly curved lineation with a possible reflector with height on one end. Appears as a slight gouge or trench on one of the lines. Nothing visible in the MBES dataset and not associated with a magnetic anomaly. Possible object dragged on the seabed or else a length of rope or chain with an attached object.
700609	Dark reflector	419403	5788973	3.6	3.3	0.4	-	Squared reflector with a complex, non-tapering shadow. Isolated within an area of flat seabed. Seen in the MBES dataset and have no associated magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700610	Magnetic	417161	5789786	-	-	-	65	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700611	Magnetic	416689	5789766	-	-	-	21	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700612	Magnetic	419214	5789498	-	-	-	36	Small magnetic anomaly clearly visible on the magnetometer data and with a smaller secondary peak. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700613	Magnetic	416278	5789753	-	-	-	56	Medium magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700614	Magnetic	420077	5789269	-	-	-	29	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700615	Magnetic	419894	5789275	-	-	-	29	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700616	Magnetic	417140	5789472	-	-	-	34	Small sharp magnetic anomaly located within an area of low-amplitude magnetic background noise. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700617	Magnetic	417073	5789432	-	-	-	83	Medium magnetic anomaly located within an area of low-amplitude magnetic background noise but clearly sharper than the broader natural signal. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700618	Magnetic	420198	5789107	1.7	1.7	0.1	11	Small sharp magnetic anomaly clearly visible on the magnetometer data. No associated SSS but possibly associated with a small mound seen on the MBES dataset. As such, this may represent a small item of ferrous debris.
700619	Magnetic	417786	5789281	-	-	-	131	Large magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700620	Magnetic	418266	5789193	-	-	-	129	Large magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700621	Magnetic	419895	5789082	-	-	-	35	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700622	Debris	420194	5788847	2.1	1.8	0.1	193	Faint, elongate dark reflector with a slight shadow indicating it is low laying within scour and located within an area of flat seabed. Feature appears to correspond with a large magnetic anomaly indicating ferrous material, the magnetic variance appears to cover a wide area indicating potentially further buried items of debris (up to approximately 30 m south-west of position).
700623	Magnetic	417577	5788998	-	-	-	29	Small magnetic anomaly located within an area of low-amplitude magnetic background noise but clearly sharper than the broader natural signal. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700624	Magnetic	415128	5789061	-	-	-	60	Medium magnetic anomaly located within an area of low-amplitude magnetic background noise but clearly sharper than the broader natural signal. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700625	Magnetic	416621	5788882	1.7	1.5	0.1	56	Medium magnetic anomaly located within an area of low-amplitude magnetic background noise but clearly sharper than the broader natural signal. Associated with a small mound visible



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								on the MBES dataset located amongst some minor bedforms. May be a partially buried item of ferrous debris.
700626	Magnetic	417667	5788887	-	-	-	35	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700627	Magnetic	426971	5780380	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700628	Debris	426974	5781550	2.6	1.6	0.1	24	Curvilinear dark reflector identified in the SSS data in an area of ripples seabed. Feature corresponds with a small magnetic anomaly, indicating the presence of ferrous material
700629	Magnetic	426946	5781206	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700630	Magnetic	426912	5780439	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression. The feature is located approximately 40 m SW of magnetic anomaly 77909 which may be related however, as this is not certain, the features have been kept separate.
700631	Dark reflector	426311	5780003	1.2	0.2	0.2	-	Dark straight, elongated dark reflector with a broad, distinct shadow. Possibly natural however has the potential of being a non-ferrous item of debris.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700632	Magnetic	426236	5780178	-	-	-	32	Sharp magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700633	Debris	426048	5780653	3.5	0.8	0.5	47	Curvilinear dark reflector with a broad, distinct shadow identified on the SSS data. Feature corresponds with a small magnetic anomaly, indicating the presence of ferrous material.
700634	Magnetic	426080	5780584	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700635	Magnetic	425434	5780293	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700636	Dark reflector	425025	5781924	1.8	0.6	0.2	-	Rounded dark reflector with a relatively broad shadow. Feature identified amongst the bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700637	Dark reflector	425110	5781265	2.5	1.5	0.1	-	Angular, poorly defined dark reflector with height. Close to another similar feature (700638), may be associated. Feature located amongst rippled bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700638	Dark reflector	425123	5781239	2.4	0.8	0.1	-	Elongated dark reflector with a distinct, angular shadow. Close to another similar feature (700637), may be associated. Feature located amongst rippled bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700639	Debris	425226	5781307	8.2	0.4	0.3	-	Linear dark reflector with a bright, distinct shadow. Feature is possibly partially buried or distorting the bedforms. Possible linear item of non-ferrous debris.
700640	Mound	424725	5780920	13.5	7.3	0.5	-	Poorly defined dark reflector with a distinct shadow. Possible large object or mound. A linear dark reflector is identified just to the north of the feature, however this appears to be natural. Possibly natural however has the potential of being a non-ferrous item of debris.
700641	Rope/chain	424505	5780860	11.6	0.1	0	-	Curved dark linear reflector with very slight height. Second linear feature (700642) nearby which may be associated. Feature has no associated magnetic anomaly indicating a possible rope.
700642	Rope/chain	424507	5780892	22.9	0.6	0	-	Curved dark linear reflector with very slight height. Second linear feature (700641) nearby which may be associated. Feature has no associated magnetic anomaly indicating a possible rope.
700643	Dark reflector	424185	5780995	2.1	0.8	0	-	Rectangular dark reflector, or possibly two objects close together, with very slight height. Possibly natural however has the potential of being a non-ferrous item of debris.
700644	Magnetic	424269	5781558	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700645	Dark reflector	424492	5781946	2.8	0.8	0	-	Elongate dark reflector with no discernible height identified perpendicular to the bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700646	Dark reflector	424294	5782141	1.1	0.5	0.1	-	Elongate dark reflector with slight tapering height identified perpendicular to the bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700647	Dark reflector	424297	5782153	1.4	0.5	0	-	Elongate dark reflector with no discernible height identified perpendicular to the bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700648	Rope/chain	424273	5781908	14.6	0.8	0	-	Dark linear reflector with very slight height seen crossing the bedforms. Feature has no corresponding magnetic anomaly indicating a possible length of rope.
700649	Rope/chain	424069	5782009	11.8	0.3	0	-	Slightly curvilinear dark reflector with slight height, identified within an area of rippled seabed. Feature appears to be partially broken up, possibly indicating partial burial. The feature has no associated magnetic anomaly, possibly indicating it is more likely to be a length of rope.
700650	Dark reflector	423920	5781756	2.6	0.7	0.6	-	Small, defined rounded dark reflector with a broad, distinct shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700651	Rope/chain	423494	5781596	20.3	0.8	0	-	A wavy dark reflector with very slight height identified in an area of bedforms. Feature appears to be partially disrupted, possibly indicating partial burial.
700652	Magnetic	423311	5781820	-	-	-	44	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700653	Magnetic	423411	5781732	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700654	Magnetic	423401	5781646	-	-	-	135	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700655	Dark reflector	423324	5782182	3	1.1	0.1	-	Irregularly shaped dark reflector with a straight edge and a slight shadow identified within an area of rippled bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700656	Magnetic	422581	5783144	-	-	-	251	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700657	Magnetic	422666	5783316	-	-	-	87	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700658	Dark reflector	422818	5783469	3.6	1	0.2	-	Elongate dark reflector with a broad, distinct shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700659	Magnetic	423197	5783332	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700660	Dark reflector	422261	5783470	1.5	0.8	0.3	-	Distinct, rounded dark reflector with a bright, broad shadow. Feature has some slight associated scour. Possibly natural however has the potential of being a non-ferrous item of debris.
700661	Magnetic	422222	5783600	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700662	Magnetic	422326	5783631	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700663	Dark reflector	423021	5784106	2	1.1	0.4	-	Slightly angular, irregularly shaped dark reflector with a bright shadow. Some possible disturbance to surrounding bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700664	Magnetic	422467	5783996	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700665	Magnetic	422424	5784030	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700666	Seabed disturbance	422023	5784189	8.2	1.8	0	-	Irregular seabed disturbance comprised slightly linear bright reflectors. No clearly associated magnetic anomaly. Possibly natural however looks slightly anomalous.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700667	Debris field	422288	5784349	19.8	10.2	0.2	-	Collection of dark reflectors, with heights of up to 2.6 x 0.9 x 0.2 m, including some linear features. Possibly natural however may be a collection of non-ferrous items of debris.
700668	Dark reflector	421959	5784709	2.2	0.3	0	-	Elongated dark reflector with a slight shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700669	Dark reflector	422284	5784839	3	2.2	0.8	-	Relatively broad, slightly angular dark reflector with a distinct but tapered shadow. Feature appears to have some slight associated scour. Identified on MBES data as a small mound. Possibly natural however has the potential of being a non-ferrous item of debris.
700670	Magnetic	422485	5784732	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700671	Magnetic	422496	5784823	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700672	Magnetic	422271	5785366	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700673	Magnetic	422385	5785300	-	-	-	23	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression. Appears potentially part of a linear series of three similar anomalies (700674, 700675).

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700674	Magnetic	422428	5785294	-	-	-	31	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression. Appears potentially part of a linear series of three similar anomalies (700673, 700675).
700675	Magnetic	422476	5785297	-	-	-	48	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression. Appears potentially part of a linear series of three similar anomalies (700673, 700674).
700676	Dark reflector	421975	5784978	3.1	0.7	0.4	-	Distinct, straight, elongated dark reflector with a broad, bright shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700677	Dark reflector	421898	5784995	2.2	0.6	0.3	-	Small distinct dark reflector with a bright, relatively broad shadow. Feature has some associated scour. Possibly natural however has the potential of being a non-ferrous item of debris.
700678	Magnetic	421551	5785143	-	-	-	77	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700679	Magnetic	421839	5785454	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700680	Magnetic	421203	5785560	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700681	Magnetic	421162	5785652	-	-	-	22	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700682	Debris	421069	5786212	1.7	0.8	0.3	56	Slightly angular dark reflector with a relatively broad shadow. Feature corresponds with a medium magnetic anomaly, indicating the presence of ferrous material.
700683	Magnetic	421215	5786318	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700684	Dark reflector	421316	5786878	2.6	2.2	0.3	-	An irregular, poorly defined dark reflector with some height. Possibly partially buried. Identified as small mounds within a slight depression, measuring 12 x 8.8 x -0.4 m on the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700685	Magnetic	421015	5787070	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700686	Magnetic	420965	5787045	-	-	-	24	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700687	Magnetic	420927	5786994	-	-	-	30	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700688	Magnetic	420898	5787050	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700689	Magnetic	421060	5787397	-	-	-	10	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700690	Magnetic	421372	5787441	-	-	-	30	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700691	Seabed disturbance	420928	5787677	7.7	5.1	0.1	-	Small, slightly oval area of disturbed seabed, possibly with some bright and dark reflectors with height.
700692	Debris	420610	5787645	2.9	0.6	0.1	-	Slightly curved linear dark reflector with a bright, distinct shadow. Shadow suggest feature may be larger at one end. Possible non-ferrous linear item of debris.
700693	Debris	420519	5787960	9.2	0.3	0	-	Slightly curved linear dark reflector with slight height. Feature appears to be discontinuous, possibly indicating partial burial. Possible non-ferrous linear item of debris.
700694	Dark reflector	420055	5787916	1.5	0.6	0.7	-	Small, slightly rounded dark reflector with a broad, distinct shadow. Relatively isolated on the seabed. Identified as a small mound within a slightly depression on the MBES data. Possibly



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								natural however has the potential of being a non-ferrous item of debris.
700695	Magnetic	419982	5788313	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700696	Magnetic	419641	5788608	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700697	Rope/chain	420437	5789024	22.5	0.7	0	-	Slightly wavy linear dark reflector with no discernible height. Feature has no corresponding magnetic anomaly indicating it is comprised non-ferrous material such as a length of rope.
700698	Magnetic	420170	5789481	-	-	-	48	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700699	Mound	420261	5788917	18	6	0.5	-	A peaked with sediment build up and slightly curved linear mound identified in the MBES data, appears isolated situated within a natural depression or slight scour. No defined structure is seen in the SSS data, nor any magnetic variation seen at the location. Potentially an isolated natural bedform however, due to the anomalous identity, the feature has been retained as a precaution.
700700	Magnetic	435488	5783403	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700701	Dark reflector	434853	5783273	5.2	1.7	0.8	-	Large, slightly rounded dark reflector, possibly in two parts. Feature has a slightly variable shadow with a sloping edge. Feature corresponds with a small mound with some slight associated seabed disturbance in the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700702	Dark reflector	434501	5782632	5.9	1.8	0.8	-	A large, poorly defined dark reflector with a broad, distinct shadow. Identified within an area of natural bedforms. Feature corresponds with a small mound with associated seabed disturbance identified in the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700703	Magnetic	434511	5782793	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700704	Magnetic	433881	5782353	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700705	Dark reflector	432441	5782124	2.1	0.8	0.7	-	Small, distinct dark reflector with a bright, relatively broad shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700706	Magnetic	430991	5781646	-	-	-	58	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700707	Magnetic	430485	5781282	-	-	-	61	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression. Feature is identified approximately 143 north-west of linear magnetic feature 73163. Feature is in the same orientation and may be related however, as this isn't clear, the features have been kept as two separate anomalies.
700708	Dark reflector	429988	5781585	2.5	0.7	0.3	-	Rounded reflector with a slightly straight edge and a broad shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700709	Debris	429733	5780585	2.7	0.8	0.0	-	Short elongated dark reflector with a slightly irregular shadow and some slight disturbance to surrounding bedforms. Possibly natural however has the potential of being a non-ferrous item of debris.
700710	Magnetic	428127	5781215	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700711	Magnetic	428714	5780658	-	-	-	109	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700712	Dark reflector	429084	5780039	3.1	1.1	0.7	-	Indistinct dark reflector with a complex shadow or possible depression. In the MBES data, the feature appears to be causing disturbance to the surrounding bedforms. Feature may be partially buried. Possibly natural however has the potential of being a non-ferrous item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700713	Magnetic	427491	5781381	-	-	-	13	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700714	Magnetic	427681	5781458	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700715	Dark reflector	424100	5796756	1.5	0.8	0.3	-	Rounded dark reflector with a relatively broad shadow with a rounded apex. Located amongst minor bedforms. Not visible in the MBES dataset and no associated magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700716	Magnetic	424157	5796537	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700717	Magnetic	424440	5796638	-	-	-	23	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700718	Magnetic	424263	5796306	1.6	1.4	0.1	16	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS contact but possibly associated with a small mound visible on the MBES dataset approximately 11 m to the north. As such, it may represent an item of small or partially buried ferrous debris.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700719	Magnetic	423957	5796128	-	-	-	17	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700720	Magnetic	423876	5796036	-	-	-	22	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700721	Magnetic	424094	5796045	-	-	-	16	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700722	Magnetic	423286	5795996	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700723	Debris field	423273	5795809	18.1	8.0	0.2	13	Cluster of small objects including a linear dark reflector and rounded reflector with a shadow. Located over a flat seabed and clearly distinguished. Largest item is approximately 2.3 m x 1.7 m. Also visible on the MBES dataset. Associated with a small but complex magnetic signature which suggests multiple items of ferrous debris.
700724	Seabed disturbance	423303	5795812	17.4	3.2	0.0	-	Area of slightly darker seabed with possible linear structure. Not visible on the MBES or magnetometer datasets. Within close proximity to debris field 700723 and may be associated.
700725	Magnetic	423909	5795689	1.8	1.6	0.1	52	A medium sized magnetic anomaly identified on the magnetometer data with no associated SSS item. The magnetic anomaly is located approximately 15 m SSW of a small mound on the MBES data. It is possible that the two features are



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								associated however, as this cannot be guaranteed, the features have not been grouped together. Possibly ferrous debris which is either partially buried or has no surface expression.
700726	Bright reflector	423801	5795448	2.0	1.7	0.1	-	Elongated bright reflector with irregular edges. Isolated in an area of flat seabed. No visible shadow but appears on the MBES dataset as a small mound. Possibly natural however has the potential of being a non-ferrous item of debris.
700727	Magnetic	424260	5795335	-	-	-	34	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700728	Debris	423857	5795102	6.2	1.3	0.2	429	Distinct linear item, seen with the item displaying right angles, may indicate the edge of a partially buried item of debris. Feature appears linked to a large magnetic anomaly, indicating ferrous debris. Located in an area of bedforms, with mobile sediments, indicating high potential for burial. Full extent of item not known.
700729	Magnetic	422517	5795499	-	-	-	19	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Magnetic signature suggests it may be two separate ferrous features however, as this cannot be confirmed, they have been retained as one. Possibly ferrous debris which is either buried or has no surface expression.
700730	Dark reflector	422174	5795334	2.5	1.0	0.8	-	Sub-angular reflector with a clear pointed shadow. Located in an area of flat seabed with some sedimentary features nearby. Clearly visible in the MBES dataset which shows an area of scour created by the object. No associated magnetic anomaly.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								Possibly natural however has the potential of being a non-ferrous item of debris.
700731	Magnetic	423693	5794427	-	-	-	27	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700732	Magnetic	423587	5794149	-	-	-	59	Medium magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700733	Magnetic	422499	5794441	-	-	-	20	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700734	Magnetic	422465	5794485	-	-	-	15	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700735	Magnetic	422083	5794572	-	-	-	28	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700736	Debris	422034	5794481	3.0	1.2	0.3	34	Small squared reflector with a broad, squared shadow. Considerable sediment disturbance on the near side. Isolated in an area of flat seabed. Associated with a small magnetic anomaly and seen in the MBES dataset. Possibly an item of ferrous debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700737	Magnetic	422101	5794343	-	-	-	15	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700738	Dark reflector	422264	5794172	3.1	1.6	1.2	-	Small reflector with a large, pointed tapered shadow. The reflector itself is poorly defined and isolated in an area of flat seabed. Identified as a small mound in the MBES dataset but not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700739	Dark reflector	422636	5794232	2.9	1.4	0.8	-	Elongate angular reflector with a clear sharp tapered shadow. Isolated in an area of flat seabed. Not visible in the MBES or magnetometer datasets. Possibly natural however has the potential of being a non-ferrous item of debris.
700740	Magnetic	422333	5794022	-	-	-	30	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700741	Dark reflector	421213	5794462	3.3	0.8	0.1	-	Small but complex dark reflector with a jagged shadow and some internal structure. Located within an area of flat seabed and clearly defined within this. Not visible in the MBES or magnetometer datasets. Possibly natural however has the potential of being a non-ferrous item of debris.
700742	Magnetic	421774	5793711	-	-	-	25	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700743	Magnetic	420135	5794225	-	-	-	24	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700744	Magnetic	420977	5793839	-	-	-	11	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700745	Dark reflector	420838	5793531	4.8	4.0	0.5	-	Sub-angular and irregular reflector highlighted with a broad, jagged shadow. Isolated in an area of flat seabed. Seen in the MBES dataset as an elongate mound. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700746	Dark reflector	421507	5793322	1.8	1.1	0.5	-	Poorly-defined dark reflector with a jagged shadow. One of a pair of similar reflectors located within an area of flat seabed. Seen in the MBES dataset as a small round mound. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700747	Dark reflector	421482	5793314	3.1	1.0	0.4	-	Poorly-defined dark reflector with a jagged shadow. One of a pair of similar reflectors located within an area of flat seabed. Seen in the MBES dataset as a small round mound. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700748	Magnetic	421312	5793203	-	-	-	24	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700749	Magnetic	420931	5792962	-	-	-	16	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700750	Magnetic	419816	5793587	-	-	-	30	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700751	Magnetic	420089	5793289	-	-	-	44	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700752	Magnetic	420305	5793466	-	-	-	51	Medium magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700753	Dark reflector	420515	5792964	4.7	1.9	0.6	-	Indistinct reflector but with a clear shadow with a jagged edge, identified within a small area of disturbed seabed. Seen in the MBES dataset as a small round mound. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700754	Dark reflector	419968	5793143	7.1	3.0	0.5	-	Very elongate dark reflector with a short shadow. Isolated in an area of flat seabed. Seen in the MBES dataset as a small mound within a scoured zone. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700755	Debris	419165	5793716	1.5	0.8	0.0	-	Small item of debris characterised by small straight sections of linear dark reflectors. Located amongst minor bedforms but with a clear dark outline. Not seen on the MBES dataset and not



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700756	Magnetic	419273	5793562	-	-	-	31	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS or MBES contact. Possibly ferrous debris which is either buried or has no surface expression.
700757	Magnetic	419931	5792559	-	-	-	143	Large magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700758	Magnetic	420120	5792554	-	-	-	21	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700759	Magnetic	419727	5792515	-	-	-	11	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700760	Magnetic	419435	5793149	-	-	-	11	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700761	Dark reflector	419121	5793229	2.3	1.8	0.6	-	Clear round reflector within an area of minor bedforms. Straight pointed shadow. Much darker and shadow longer than the sinuous bedforms in which is it situated. Seen in the MBES dataset as a small round mound. Not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700762	Dark reflector	419090	5793101	1.5	0.6	0.3	-	Dark round reflector with a high reflectivity value and a straight square shadow. Located amongst minor bedforms and within some minor seabed disturbances. Not seen on the MBES dataset and not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700763	Magnetic	419372	5792132	-	-	-	37	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700764	Dark reflector	418979	5792193	1.9	0.6	0.1	-	Very indistinct dark reflector with a small flat shadow. Isolated within an area of flat seabed. Not seen on the MBES dataset and not associated with a magnetic anomaly. Possibly natural however has the potential of being a non-ferrous item of debris.
700765	Magnetic	418414	5791888	-	-	-	32	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700766	Magnetic	418485	5792214	-	-	-	48	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700767	Magnetic	418788	5792560	-	-	-	17	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700768	Magnetic	418132	5792651	-	-	-	30	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700769	Debris	418233	5792703	3.6	2.5	0.6	114	Large, sub-angular reflector with a clear pointed shadow. Slightly obscured or partially buried by surrounding bedforms. Some lineation can be seen within the internal structure. Associated with a large magnetic anomaly and seen in the MBES dataset. Possibly an item of ferrous debris.
700770	Magnetic	417993	5791419	-	-	-	29	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700771	Magnetic	417072	5792107	-	-	-	42	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700772	Magnetic	417049	5792093	-	-	-	19	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700773	Magnetic	416810	5791851	-	-	-	12	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700774	Magnetic	417271	5791188	-	-	-	142	Large magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700775	Magnetic	416393	5792131	-	-	-	23	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700776	Magnetic	415841	5791198	-	-	-	11	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700777	Magnetic	416084	5791329	-	-	-	16	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700778	Magnetic	416240	5791414	-	-	-	15	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700779	Magnetic	416470	5791489	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700780	Magnetic	415844	5790911	-	-	-	21	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700781	Magnetic	415824	5790674	-	-	-	22	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700782	Magnetic	416440	5791003	1.4	1.3	0.1	44	Small magnetic anomaly clearly visible on the magnetometer data. No associated SSS contact but may be associated with a



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								small mound on the MBES dataset. As such, this may represent a small or partially buried item of ferrous debris.
700783	Magnetic	416800	5790751	-	-	-	25	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700784	Magnetic	417040	5790883	-	-	-	14	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700785	Magnetic	416448	5790500	-	-	-	18	Small magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700787	Magnetic	416470	5790410	-	-	-	112	Large magnetic anomaly clearly visible on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly associated with the nearby wreck 700786 (UKHO 10338); however, as this cannot be confirmed and may represent a separate item of buried ferrous debris, it has been retained as a separate anomaly.
700788	Dark reflector	415438	5791222	3.1	0.7	0.2	-	Slightly rectangular dark reflector with a distinct, sharp shadow. Located within an area of flat seabed but some minor texture is present nearby. Not seen on MBES or magnetometer datasets. Possibly natural however has the potential of being a non-ferrous item of debris.
700789	Dark reflector	414786	5791141	1.6	0.5	0.3	-	Linear reflector with a tapered shadow. Clearly defined in an area of flat seabed. Does not look natural. Seen on the MBES



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								dataset as a small mound. Possibly natural however has the potential of being a non-ferrous item of debris.
700790	Debris	428836	5796595	2.7	1.1	0.5	-	Hard, defined, slightly elongate item with broad height and scour extending and distorting bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural, however has the potential of being an item of debris.
700791	Dark reflector	428641	5796016	1.7	1	0.3	-	Rounded dark reflector with narrow, slightly irregular shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700792	Magnetic	428001	5797885	-	-	-	7	Small magnetic anomaly identified on the magnetometer data acquired for the 2011 assessment. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700793	Magnetic	427957	5799035	-	-	-	7	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700794	Debris field	427349	5797925	22.2	7.8	0.3	-	A collection of dark reflectors of different sizes, some of which appear to be quite straight. Feature appears to have some associated scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly a collection of debris items.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700795	Dark reflector	427474	5796862	2.1	0.5	0.4	-	A short, straight, elongated dark reflector with a broad shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700796	Dark reflector	427461	5795982	3.6	1.3	0.3	-	A distinct, slightly rounded dark reflector with a bright, slightly irregular shadow. Identified in an area of rippled bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly an item of debris.
700797	Dark reflector	426802	5796970	1.8	0.4	0.4	-	Small dark reflector with a bright but narrow shadow. Feature appears to have an associated high reflectivity seabed disturbance, possibly associated scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly an item of debris.
700798	Magnetic	426046	5797473	-	-	-	6	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700799	Magnetic	425058	5797352	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700800	Debris	424831	5797168	15.3	0.4	0.1	-	Slightly curved narrow linear dark reflector with a distinct shadow. Due to the magnetometer line spacing in this section, it



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								is not possible to confirm whether the feature is composed of ferrous material. Possibly a linear item of debris.
700801	Dark reflector	424851	5795921	2.6	0.4	0.2	-	Slightly curved, elongated dark reflector with slight height. Identified in an area of textured seabed. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly an item of debris.
700802	Seabed disturbance	425543	5796224	17.5	7.2	0	-	Area of disturbed seabed comprised several slightly angular bright reflectors. Possibly natural however appears to be quite distinct and anomalous and therefore has been retained as a potential archaeology.
700803	Bright reflector	425392	5796055	2	1.4	0	-	Elongated bright reflector identified amongst bedforms. Possibly natural however appears to be anomalous compared to surrounding seabed and, as such, has been retained as potential archaeology.
700804	Debris field	426015	5795401	21	10.4	0.7	-	An area of seabed disturbance containing one particularly large object measuring 8.6 x 1.8 x 0.7 m. Possible linear item of debris, however this is difficult to discern. On the MBES data, the feature is identified as a mound identified within a depression with a depth of -0.6 m. Feature has associated high reflectivity and scour. Possible debris field.
700805	Dark reflector	426603	5794934	0.9	0.3	0.2	-	Slightly elongated dark reflector with a broad, bright shadow. Possible associated linear feature, however this may just be sediment built up an, as such, has not been included in the measurements. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700806	Debris	426091	5794680	5.2	1.8	0.9	-	A large, poorly defined dark reflector with a broad, bright shadow indicating possibly of anthropogenic origin. Feature identified within a slight seabed disturbance measuring 6.7 x 4.5 m. On the MBES data, the feature is identified as a small mound identified within a slight depression. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700807	Dark reflector	425849	5794993	2	0.3	0.2	-	A small but angular dark reflector with a short, bright shadow. Feature has some slight associated scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700808	Dark reflector	424734	5794381	4.6	2	0.4	-	Poorly defined dark reflector with a bright shadow and some associated scour. Identified as a small elongated mound on the MBES data. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700809	Dark reflector	424735	5794407	3.3	0.8	0.1	-	Dark elongate reflector with a very slight shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								Possibly natural however has the potential of being an item of debris.
700810	Dark reflector	424336	5794858	2	1.3	0.4	-	Elongated, slightly angular dark reflector with a bright, slightly irregular shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700811	Debris	424481	5794961	8.9	1.5	0.3	-	A straight, elongated dark reflector with a bright, distinct shadow. Feature is identified on the MBES data as several slightly linear mounds within a depression measuring 15.4 x 13.3 x -0.5 m. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Potentially a linear item of debris.
700812	Dark reflector	424494	5795206	2.9	0.6	0.4	-	Poorly defined, slightly elongated dark reflector with broad, slightly irregular shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700813	Dark reflector	423905	5794147	2.6	1.5	0.6	-	Poorly defined, slightly angular dark reflector with a relatively broad shadow and some associated scour. Identified as a small mound within a depression on the MBES data. Located approximately 18 m from another similar feature (700814). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700814	Dark reflector	423899	5794129	1.7	0.3	0.2	-	Poorly defined, slightly angular dark reflector with a relatively broad shadow and some associated scour. Located approximately 18 m from another similar feature (700813). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700815	Rope/chain	423684	5794211	12.9	0.3	0	-	Short, slightly wavy bright reflector, or possibly a hard to discern dark reflector with a bright shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being a short length of rope/chain.
700816	Dark reflector	424041	5794801	2	0.3	0.2	-	A small, slightly angular dark reflector with a broad shadow. Feature is possibly partially buried by sediment, however this is hard to discern. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700817	Seabed disturbance	424150	5795860	17	3.6	0.5	-	A disturbed area of high reflectivity seabed with some disturbance to the natural bedforms. Feature corresponds with a poorly defined mound on the MBES data. No clear magnetic variation, indicating possibly a buried item of non or low ferrous debris.
700818	Magnetic	427957	5799035	-	-	-	7	Small magnetic anomaly identified on the magnetometer data acquired for the 2011 assessment. Nothing visible on the SSS



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700819	Dark reflector	428868	5798654	5.7	0.5	0.1	-	Dark strong linear reflector, appears slightly buried amongst the bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural, however has the potential of being an item of debris.
700820	Dark reflector	429249	5798703	1.6	0.7	0.4	-	Rounded dark reflector with tapered height, second nearby. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700821	Dark reflector	429251	5798701	1.6	0.4	0.2	-	Rounded dark reflector with rounded height and scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700825	Dark reflector	429690	5797212	3.9	0.5	0.1	-	Dark elongate reflector with slight height. May be either an item buried in the bedforms or a seabed scar. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700826	Magnetic	429999	5796640	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression
700827	Magnetic	430003	5798241	-	-	-	9	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression
700828	Dark reflector	430222	5796865	2.5	0.7	0.6	-	Defined item with broad rounded shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700830	Dark reflector	430472	5797680	2.8	0.5	0.3	-	Elongate dark reflector with height, located amongst rough ground (potential reef) with a second item nearby. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700831	Dark reflector	430472	5797677	5.1	0.6	0.5	-	Elongate dark reflector with height, located amongst rough ground (potential reef) with a second item nearby. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700832	Dark reflector	430513	5796277	3.9	1.1	0.4	-	Defined elongate dark reflector with rounded height in a large scour. Close to some defined bedforms that appear unusual but likely natural. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700833	Debris	430676	5798705	10.6	0.8	0.4	-	Defined linear item with broad height, located amongst bedforms. Appears more defined than bedforms and partially buried. Possible sediment build up one side or part of buried item. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700834	Magnetic	430959	5797272	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700840	Dark reflector	431140	5796648	5.8	1.6	0.4	-	Poorly defined dark reflector with broad height and trailing scour. Located amongst rough ground (potentially reef) and bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700841	Dark reflector	431204	5796742	6.8	1.9	0.5	-	Poorly defined dark reflector with broad height and trailing scour. Located amongst rough ground (potentially reef) and bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous





ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								material. Possibly natural however has the potential of being an item of debris.
700842	Dark reflector	431291	5796812	1.2	0.4	0.2	-	Elongate dark reflector with broad height. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700843	Dark reflector	431482	5799069	2.2	0.6	0.2	-	Rounded dark reflector with rounded shadow, appears isolated amongst the bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700844	Dark reflector	431695	5797608	2.8	0.6	0.8	-	Elongate dark reflector with rounded tapered height. Scour seen affecting bedform formation around item. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700845	Dark reflector	431716	5796908	3.7	2.3	0.7	-	Indistinct dark reflector with height, located close to rough ground (potential reef). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700846	Dark reflector	432380	5798601	3.6	2.0	0.6	-	Curvilinear dark reflector with defined edge and broad width and shadow. Located on the edge of an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700847	Dark reflector	432492	5798369	5.3	0.4	0.0	-	Appears like a depression amongst the bedforms, may be a seabed mark or impression from buried items. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700848	Debris	432590	5798103	4.0	3.0	0.4		Circular item, indicating anthropogenic origin, located amongst scour and bedforms. Appears to be hollow in the centre. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700849	Dark reflector	432856	5798266	1.0	0.7	0.5	-	Small dark reflector with a narrow straight shadow, perhaps a linear object protruding from the sediment. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700850	Dark reflector	432996	5796267	2.8	0.3	0.1	-	Elongate dark reflector with slight broad height. Appears anomalous as rough ground (potential reef) appears to have scour that is a halo around the item and not cover item. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								Possibly natural however has the potential of being an item of debris.
700851	Dark reflector	433828	5798398	2.2	0.7	0.3	-	Rounded dark reflector with broad height. Appears anomalous. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700852	Dark reflector	433900	5797837	2.9	1.0	0.1	-	Defined dark reflector located on the edge of the bedforms. Close to likely boulders. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700853	Seabed disturbance	434065	5796353	20.4	16.9	-	-	Angular disturbance seen amongst some natural bedforms, may be part of natural features however due to angularity present retained as a feature of potential interest. Not seen in the magnetometer data, indicating non-ferrous.
700854	Debris	434246	5798987	5.5	0.5	0.4	-	Elongate item defined in the sidescan data with broad height. Possibly partially buried item, isolated amongst flat seabed. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700855	Debris	434412	5798340	2.2	1.2	0.3	-	Indistinct faint reflector with broad shadow appears rectangular amongst scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700856	Debris	434408	5797080	2.6	1.8	0.4	-	Defined elongate item appears possibly rectangular with broad height, second small item located next to larger or complex extension of the single item. Another item of debris is located approx. 50 m away ( <b>700857</b> ), may be associated. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700857	Debris	434443	5797120	3.7	2.1	0.5	-	Defined elongate angular item with broad height located in defined scour. Another item of debris is located approx. 50 m away ( <b>700856</b> ), may be associated. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700858	Bright reflector	434452	5797340	3.2	0.5	-	-	Bright linear reflector, with no clear dark reflector associated, amongst some minor bedforms indicating potential partial burial. Possibly linked to partially buried item. Close to another bright reflector ( <b>700859</b> ), may be associated. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris. Located close (within 90 m) to an area of foul ground noted in the UKHO data (80984).



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700859	Bright reflector	434474	5797338	7.0	1.1	-	-	Bright reflector, likely height of a poorly defined item on the seabed, amongst some minor bedforms indicating potential partial burial. Close to another bright reflector (700858), may be associated. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris. Located close (within 70 m) to an area of foul ground noted in the UKHO data (80984).
700860	Bright reflector	434500	5799194	4.9	0.7	-	-	Elongate bright reflector - may be natural or seabed scar but appears unusual. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700861	Debris	434622	5797604	8.2	6.8	1.3	-	Poorly defined item, appears to be an almost circular with sediment build up on one side, the shadow indicates likely shape. Located amongst an area of bedforms. Seen as a mound in the MBES data. Unable to identify object but appears very anomalous. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700862	Dark reflector	434674	5796221	1.9	0.3	0.1	-	Elongate dark reflector with broad shadow and large scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700863	Magnetic	435949	5797940	-	-	-	20	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS data or MBES. Possibly ferrous debris which is either buried or has no surface expression.
700864	Dark reflector	436352	5798131	4.8	2.1	1.2	-	Indistinct dark reflector with broad shadow, in the form of a small mound, appears potentially complex with sub angular form. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700865	Dark reflector	436386	5797832	3.2	1.5	0.4	-	Distinct rounded dark reflector with broad rounded shadow and defined scour. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700866	Dark reflector	436396	5796849	1.1	0.7	0.4	-	Dark reflector, possibly hollow, with broad tapering shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700867	Dark reflector	436761	5798333	5.6	1.8	0.6	-	Poorly defined dark reflector, possible small mound, with broad rounded height and scour. Located amongst bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700868	Dark reflector	436764	5796306	4.4	0.3	0.2	-	An indistinct slightly angled elongated dark reflector object with a slight shadow, slightly anomalous and isolated. Located close to an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly part of the natural bedforms however has the potential of being an item of debris.
700869	Debris	437430	5796622	7.0	4.3	0.7	-	Indistinct item with variable height, likely more than one item or of complex structure, located amongst bedforms. Second smaller item located nearby, more indistinct and likely partially buried. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700870	Dark reflector	438171	5798701	3.0	1.9	0.0	-	A small and indistinct diamond shaped dark reflector with no shadow, located amongst the bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700871	Rope/Chain	438476	5797317	28.1	0.5	0.2	-	Linear defined item, appears to have texture, indication potentially chain. Situated in between the bedforms, orientated in an east to west direction. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Further length may be buried amongst the bedforms.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700872	Bright reflector	439263	5797026	3.9	0.7	-	-	A small oval shaped bright reflector located within the bedforms, looks distinct. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700873	Dark reflector	439731	5798705	9.9	2.6	2.0	-	Large indistinct dark reflector with a large broad shadow and clear scour. Seen as a mound in the MBES data. Located amongst bedforms and rough ground (potential reef). Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700874	Dark reflector	439792	5798199	2.7	1.1	0.7	-	Distinct rectangular shaped item with angular shadow and some scour. Located amongst an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700875	Dark reflector	439888	5797554	4.1	1.5	0.4	-	Defined dark reflector with a bright rounded shadow situated within bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700876	Debris	439987	5796368	5.0	0.5	0.1	-	Two linear features seen partially buried amongst the bedforms, appear to potentially be linked beneath the buried sediment. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous





ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								material. Possibly natural however has the potential of being an item of debris.
700877	Dark reflector	440296	5795519	0.9	1.7	0.5	-	A defined angular 'V' shaped dark reflector object with a bright shadow, appears isolated amongst bedforms and possible bedrock outcrop. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700878	Rope/chain	440796	5795697	18.0	0.4	0.1	-	Defined linear item located amongst the bedforms. Sections appear buried, length calculated from sections seen however, full extent unknown. Likely a piece of rope/chain. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700879	Dark reflector	440870	5795778	4.0	0.6	0.0	-	Relatively straight linear dark reflector, no indication of height. Located amongst an area of bedforms, with burial between crests. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700880	Dark reflector	440962	5796087	2.1	0.5	0.6	-	A distinct dark reflector with a very long and bright shadow and significant height, isolated within an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700881	Dark reflector	441005	5796420	1.3	0.2	0.3	-	A small elongated dark reflector, appears almost rectangular, with a broad bright shadow and scour. Isolated amongst an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700882	Dark reflector	441117	5794770	16.0	2.0	1.0	-	An elongate dark reflector with slight height, sections appear buried by the crests of the bedforms. Likely cable, rope or chain. Length of item measure by what can be seen, however, the item may extend further. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700883	Debris	441158	5794716	2.4	1.9	0.2	-	A small rectangular shaped dark reflector comprising four slatted dark reflector objects in a uniform alignment, with a central slat. Located possibly on the stoss side of a bedform, may have further sections buried. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700884	Debris	441686	5797143	8.8	4.1	1.7	-	A well-defined large elongate and broad item with broad shadow, appears oblong. Situated amongst the bedforms. Uncertain if more buried. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material.
700885	Debris	441961	5798447	3.2	1.3	0.6	-	A distinct angular object comprising two parallel elongate reflectors with a broad angular shadow. Isolated amongst an area of bedforms. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700886	Debris	443014	5798467	3.9	0.8	0.7	-	Defined dark reflector, either two or more complex shape, with broad shadow located amongst the bedforms. Intermittent linear feature seen extending from item amongst the bedforms for around 50 m. May extend further but be partially buried; full extent unconfirmed. The data used for the 2011 report, indicates slight magnetic variation (18 nT) seen over the area indicating potential ferrous material. Likely a chain with an item, such as an anchor, at one end.
700887	Dark reflector	443671	5797022	1.7	0.8	0.6	-	Elongate dark reflector with bright slightly tapered shadow. Located next to a seabed scar amongst flat seabed. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700888	Dark reflector	443728	5797258	2.1	1.7	0.6	-	An indistinct dark reflector with a very bright shadow. Due to the magnetometer line spacing in this section, it is not possible to confirm whether the feature is comprised ferrous material. Possibly natural however has the potential of being an item of debris.
700890	Seabed disturbance	442661	5796913	18.1	12.7	0.8	-	Disturbance seen amongst bedforms, some possible structure seen but hard to confirm. Seen as a disturbance and mound in the MBES data. Due to the magnetometer line spacing in this



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								section, it is not possible to confirm whether the feature is comprised ferrous material.
700917	Dark reflector	440543	5786057	1.3	0.5	0.3	-	A small, distinct, slightly oval shaped dark reflector with a long, bright shadow. Feature appears to have some associated scour. Possibly natural however has the potential of being a non-ferrous item of debris.
700918	Dark reflector	440564	5785603	8.6	1.7	0.3	-	A poorly defined, elongated dark reflector with a broad, dull shadow. Feature is relatively isolated on the seabed. Possibly natural however has the potential of being a non-ferrous item of debris.
700919	Magnetic	440385	5784995	-	-	-	27	Small dipole identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700920	Magnetic	440238	5784973	-	-	-	22	Small dipole identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700921	Dark reflector	440010	5784448	1.1	1	0.2	-	A small rounded dark reflector object that appears to be hollow in its centre, the feature has a bright, distinct shadow. Not clearly seen in the magnetic data, however, some slight variance seen in this area. Possibly natural however has the potential of being a low or non-ferrous item of debris.
700922	Dark reflector	440307	5783869	1.8	0.5	0.2	-	A small oval shaped dark reflector with a short bright shadow, possibly within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700923	Dark reflector	440282	5783671	1.7	0.9	0.7	-	A small, rounded dark reflector with a relatively broad, distinct shadow, possibly within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.
700924	Magnetic	440063	5783149	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 5 similar features ( <b>700924-700928</b> ), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700925	Magnetic	440022	5783332	-	-	-	46	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 5 similar features ( <b>700924-700928</b> ), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700926	Magnetic	440032	5783457	-	-	-	82	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 5 similar features ( <b>700924-700928</b> ), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700927	Magnetic	439989	5783525	-	-	-	106	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 5 similar features (700924-700928), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700928	Magnetic	439997	5783641	-	-	-	11	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 5 similar features (700924-700928), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700929	Dark reflector	440537	5783339	1.7	0.6	0.5	-	A distinct, slightly rounded dark reflector with a bright shadow, situated within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.
700930	Magnetic	440496	5781362	-	-	-	18	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700931	Magnetic	440419	5781665	-	-	-	41	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700932	Magnetic	440339	5781973	-	-	-	104	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700933	Magnetic	440296	5782190	-	-	-	29	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700934	Magnetic	440221	5782540	-	-	-	134	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								related however, as this cannot be confirmed these have been retained as separate anomalies.
700935	Magnetic	440192	5782646	-	-	-	124	Large magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. Feature appears to be part of a series of 6 similar features (700930-700935), orientated NNW-SSE. Possibly these are all related however, as this cannot be confirmed these have been retained as separate anomalies.
700936	Magnetic	440061	5782312	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression. The feature is located approximately 50 m ENE of dark reflector 72335 identified during the 2012 data assessment. It is possible that these features are related however, as this cannot be confirmed, they have been retained as two separate anomalies.
700937	Magnetic	440045	5782032	-	-	-	41	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700938	Dark reflector	439837	5781719	1.8	0.5	0.6	-	A very distinct dark reflector object with a bright, rounded shadow, possibly situated within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.





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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700939	Dark reflector	439970	5781483	1	0.3	0.5	-	A slightly elongated dark reflector object with a very long and bright shadow, situated within sand waves. Possibly natural however has the potential of being a non-ferrous item of debris.
700940	Magnetic	440257	5780748	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700941	Debris	440434	5779266	8.7	0.6	0	-	Short, straight linear bright reflector, relatively isolated on the seabed with no magnetic variance apparent. The low reflectivity of the material may suggest that it is comprised of a material that absorbs acoustic energy, such as waterlogged wood or synthetic materials. Possibly natural however has the potential of being a linear item of non-ferrous debris.
700942	Magnetic	439962	5777944	-	-	-	11	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700943	Rope/chain	438953	5779050	29.9	0.3	0.1	-	A thin linear dark reflector with height. Feature appears to be disrupted along its length, possibly indicating partial burial. No clear magnetic variance associated. Possibly natural however has the potential to be a partially buried length of rope.
700944	Dark reflector	439118	5780033	6.6	3.3	0.6	-	A poorly defined dark reflector with a bright, distinct shadow. Some slight associated seabed disturbance. Feature corresponds with a mound on the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700945	Dark reflector	438920	5780595	2.6	0.3	0.3	-	A thin and slightly elongated dark reflector object with a broad, bright shadow situated within a rippled area of seabed. Possibly



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								natural however has the potential of being a non-ferrous item of debris.
700946	Magnetic	438954	5780780	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700947	Dark reflector	439031	5780773	1.1	0.7	0.3	-	A small, slightly rounded dark reflector with a very bright, relatively broad shadow. Feature appears to have associated scour extending approximately 16 m to the south. Possibly natural however has the potential of being a non-ferrous item of debris.
700948	Magnetic	438791	5781461	-	-	-	85	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700949	Dark reflector	439027	5781784	3.3	0.9	1.2	-	A poorly defined dark reflector with distinct, slightly irregular shadow. Feature possibly has a second associated object, however this is hard to discern. Feature has an associated seabed disturbance and some scour. Possibly natural however has the potential of being a non-ferrous item of debris.
700950	Magnetic	439563	5782380	-	-	-	28	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700951	Magnetic	438618	5782492	-	-	-	32	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.



ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700952	Magnetic	438172	5782705	-	-	-	16	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700953	Dark reflector	438341	5782950	4.9	0.5	0.4	-	A slightly curved shaped dark reflector object with a bright, tapered shadow. Feature has some associated scour extending approximately 32 m to the north. Possibly natural however has the potential of being a non-ferrous item of debris.
700954	Debris	438982	5783239	9.7	0.5	0.2	-	A long and straight linear dark reflector with a slight shadow. Possibly a linear item of non-ferrous debris
700955	Magnetic	438778	5783394	-	-	-	17	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression or may be linked to a natural feature, however retained at this time for archaeological precaution. Located close to anomalies 78005 and 700956, may be associated.
700956	Magnetic	438729	5783406	-	-	-	15	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression or may be linked to a natural feature, however retained at this time for archaeological precaution. Located close to anomalies 78005 and 700955, may be associated.
700957	Seabed disturbance	438924	5783658	14.5	7.8	1.2	-	An area of disturbed seabed possibly containing objects. Possible dark and bright reflector anomalies are visible within the area of disturbance, a possible bright, distinct shadow is



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
								identified however object is not clearly defined. Possibly natural however may represent partially buried anthropogenic features.
700958	Magnetic	439404	5783806	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700959	Magnetic	439184	5784146	-	-	-	25	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700960	Magnetic	439003	5784451	-	-	-	19	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700961	Dark reflector	439579	5784328	2.1	0.3	0.1	-	A small, slightly elongated dark reflector with a short but bright shadow. Feature is possibly situated within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.
700962	Debris	438697	5785206	15.9	1.9	0.2	-	A poorly defined linear dark reflector with a faint shadow and some possible associated scour. Feature is in the same formation as the natural bedforms, however looks anomalous compared to surrounding features. Not seen in the magnetic data. Possible linear item of non-ferrous debris.
700963	Rope/chain	438004	5784401	24.5	0.6	0.2	-	A poorly defined, slightly curved linear dark reflector with slight height. Feature appears to be either partially buried or partially broken up. Feature has no associated magnetic anomaly indicating a possible length or rope.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700964	Rope/chain	436608	5784073	34.8	1.3	0.3	-	A thin, slightly curved dark reflector with height. Feature possibly had an object with height at one end, however this isn't clearly defined and, as such, hasn't been tagged as a separate feature. The feature has no associated magnetic anomaly which may indicate that it is more likely to be a length of rope.
700965	Magnetic	436860	5784018	-	-	-	12	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700966	Dark reflector	438166	5781918	3.3	0.3	0.1	-	A thin, slightly curved, elongated dark reflector with a slight shadow identified on the SSS data. Possibly natural however has the potential of being a non-ferrous item of debris.
700967	Magnetic	438126	5781279	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700968	Dark reflector	438452	5781095	1.2	0.6	0.2	-	A slightly elongated dark reflector with a short, bright shadow, situated within sand waves. Possibly natural however has the potential of being a non-ferrous item of debris.
700969	Dark reflector	437878	5780240	5.3	2.1	1.1	-	A large, poorly defined dark reflector with a bright, tapered shadow. Feature identified within an area of disturbed seabed measuring 16.3 x 5.3 m, however this may be associated scour. Possibly natural however has the potential of being a non-ferrous item of debris.

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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700970	Dark reflector	437477	5781332	3.2	0.9	0.1	-	A slightly irregularly shaped dark reflector object with a slight shadow, within a slight depression. Possibly natural however has the potential of being a non-ferrous item of debris.
700971	Magnetic	437257	5781631	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700972	Dark reflector	436474	5782573	2.3	0.2	0.1	-	A thin, elongated dark reflector with a short, bright shadow. Located approximately 4 m away from another similar feature. Possibly natural however has the potential of being a non-ferrous item of debris.
700973	Dark reflector	436479	5782573	2.2	0.3	0.1	-	A thin, elongated dark reflector with a short, bright shadow. Located approximately 4 m away from another similar feature. Possibly natural however has the potential of being a non-ferrous item of debris.
700974	Rope/chain	436618	5782629	14.9	1.7	0.1	-	A length of possible rope or chain, a long and thin curvilinear dark reflector with a shadow in places along the length of the feature. Nothing seen in the magnetic or MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700975	Magnetic	436740	5782867	-	-	-	14	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700976	Magnetic	436650	5783130	-	-	-	11	Small magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700977	Dark reflector	436594	5783389	5	0.4	0.2	-	An elongated dark reflector with a slight shadow. Possibly natural however has the potential of being a non-ferrous item of debris.
700978	Bright reflector	436396	5783437	4.3	0.6	0	-	An elongated, slightly curved bright reflector with associated scour extending 19 m to the north. Possibly natural however has the potential of being a non-ferrous item of debris.
700979	Dark reflector	436397	5783418	1.1	0.6	0.5	-	A small, distinct dark reflector object with a bright, relatively broad shadow. Feature has some associated scour extending approximately 1 m to the north and north-west. Possibly natural however has the potential of being a non-ferrous item of debris.
700980	Dark reflector	435620	5783543	14.5	4.8	1.4	-	A large dark reflector object that appears to be partially buried by sand waves. Feature has a very large shadow and significant height. Corresponds with a mound on the MBES data. Possibly natural however has the potential of being a non-ferrous item of debris.
700981	Debris field	435975	5783692	26.3	13.3	0	-	A possible spread of possible debris objects, mainly irregularly shaped bright reflectors (largest 4.2 x 1.3 m) one dark reflector (3.8 x 0.6 m) situated in sand waves. Features appear to be slightly linear. Possibly a natural formation however has the potential of being a spread of non-ferrous debris.



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ID	Classification	Easting	Northing	Length*	Width*	Height*	nT	Description
700982	Dark reflector	435927	5783412	4.4	4.1	0.1	-	A very indistinct oval shaped dark reflector with shadows in parts in a depression, could be a buried object, looks slightly anomalous to the surrounding seabed. Possibly natural however has the potential of being a non-ferrous item of debris.
700983	Magnetic	435557	5783205	-	-	-	58	Medium magnetic anomaly identified on the magnetometer data. Nothing visible on the SSS or MBES data. Possibly ferrous debris which is either buried or has no surface expression.
700984	Debris field	436234	5783296	12.8	2.7	0.2	-	A very indistinct area of possible items of debris, comprised straight, linear dark reflectors with some possible smaller dark and bright reflectors. Possible debris field comprised non-ferrous debris.
<b>A3 (Historic record of possible archaeological interest)</b>								
700563 (UKHO 87912)	Recorded Wreck	406008	5783583	-	-	-	-	This wreck's location is not covered by the geophysical datasets, this is an unknown wreck identified by multibeam survey. The UKHO record states the vessel is 9.4 x 2.8 x 0.5 m and orientated 045/225 degrees on the seabed.