



MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Environmental Statement

Volume 3, Figures - Part 1 of 7



September 2024
Rev: ES Issue

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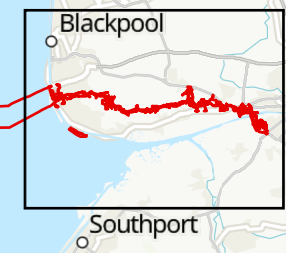
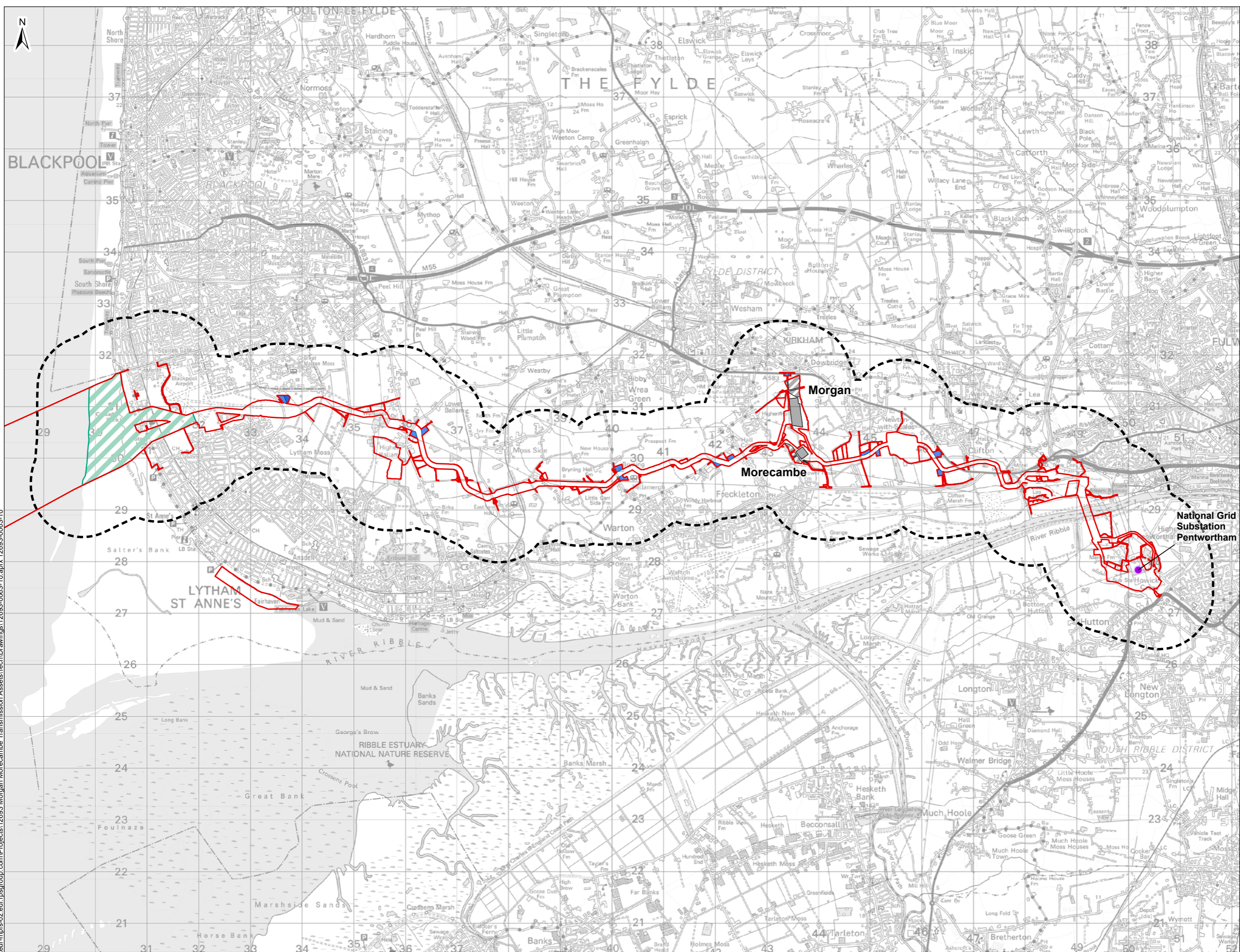
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Prepared by:

RPS

Prepared for:

**Morgan Offshore Wind Limited,
Morecambe Offshore Windfarm Ltd**

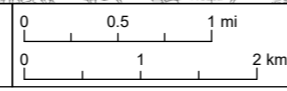


- LEGEND**
- Transmission Assets Order Limits
 - Study area
 - Permanent substation
 - Temporary substation
 - Construction compound
 - Landfall
 - National Grid Substation Pentwortham

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Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
GEOLOGY, HYDROGEOLOGY AND GROUND CONDITIONS STUDY AREA



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:65,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

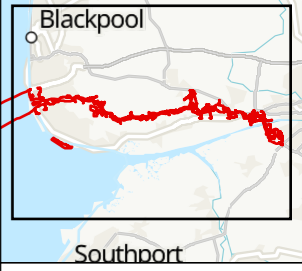
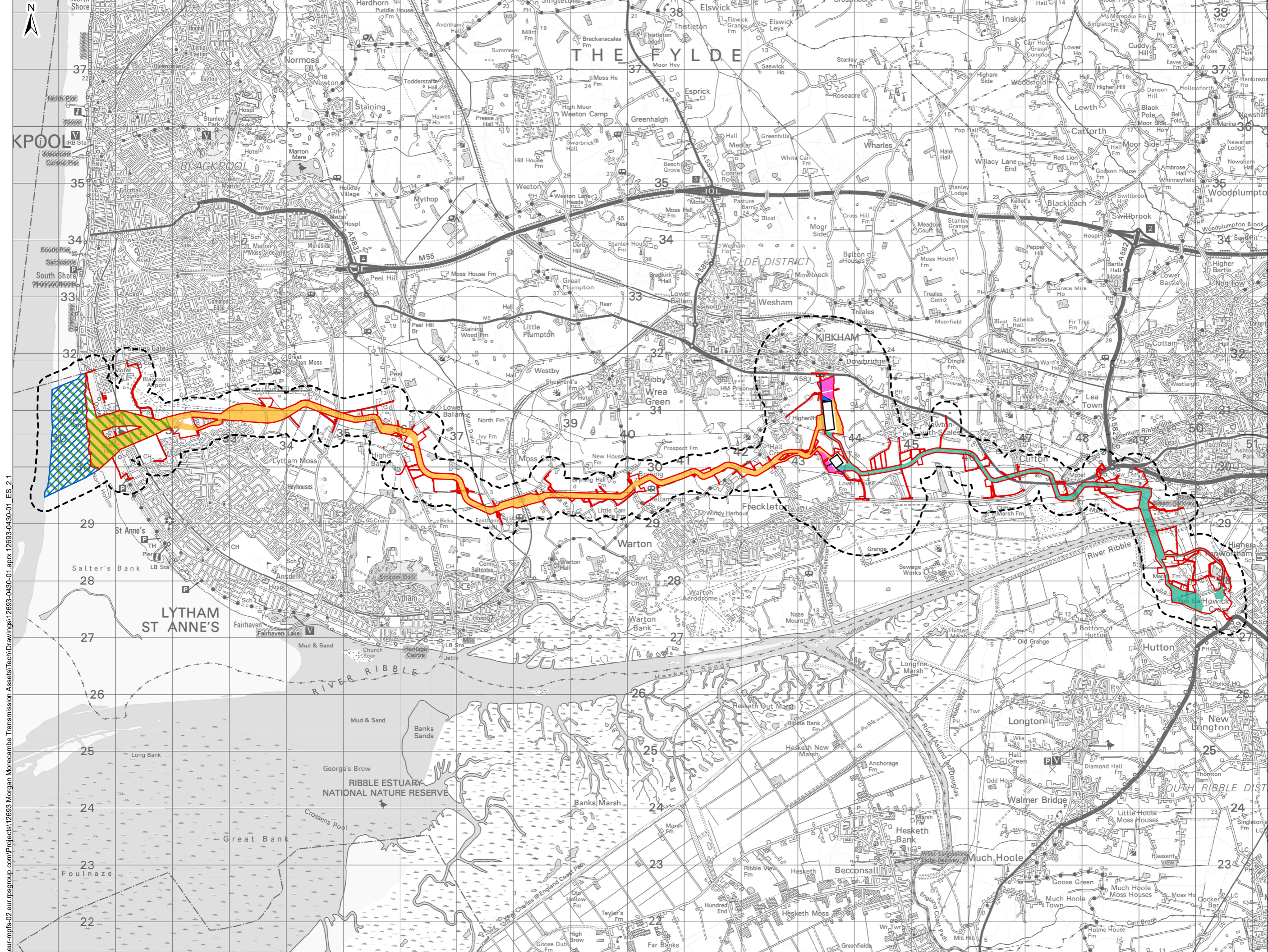
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Figure 1.1

Drawing Number:
12693-0063-10

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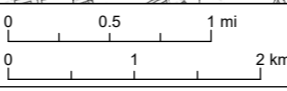


- LEGEND**
- Onshore Infrastructure Area
 - Onshore substation sites
 - Study area
 - Intertidal infrastructure area
 - Landfall
 - Temporary compound areas
 - Permanent substation access routes
 - Onshore export cable corridor
 - Onshore export cable corridor

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Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
TRANSMISSION ASSETS HYDROLOGY AND FLOOD RISK STUDY AREA



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:60,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

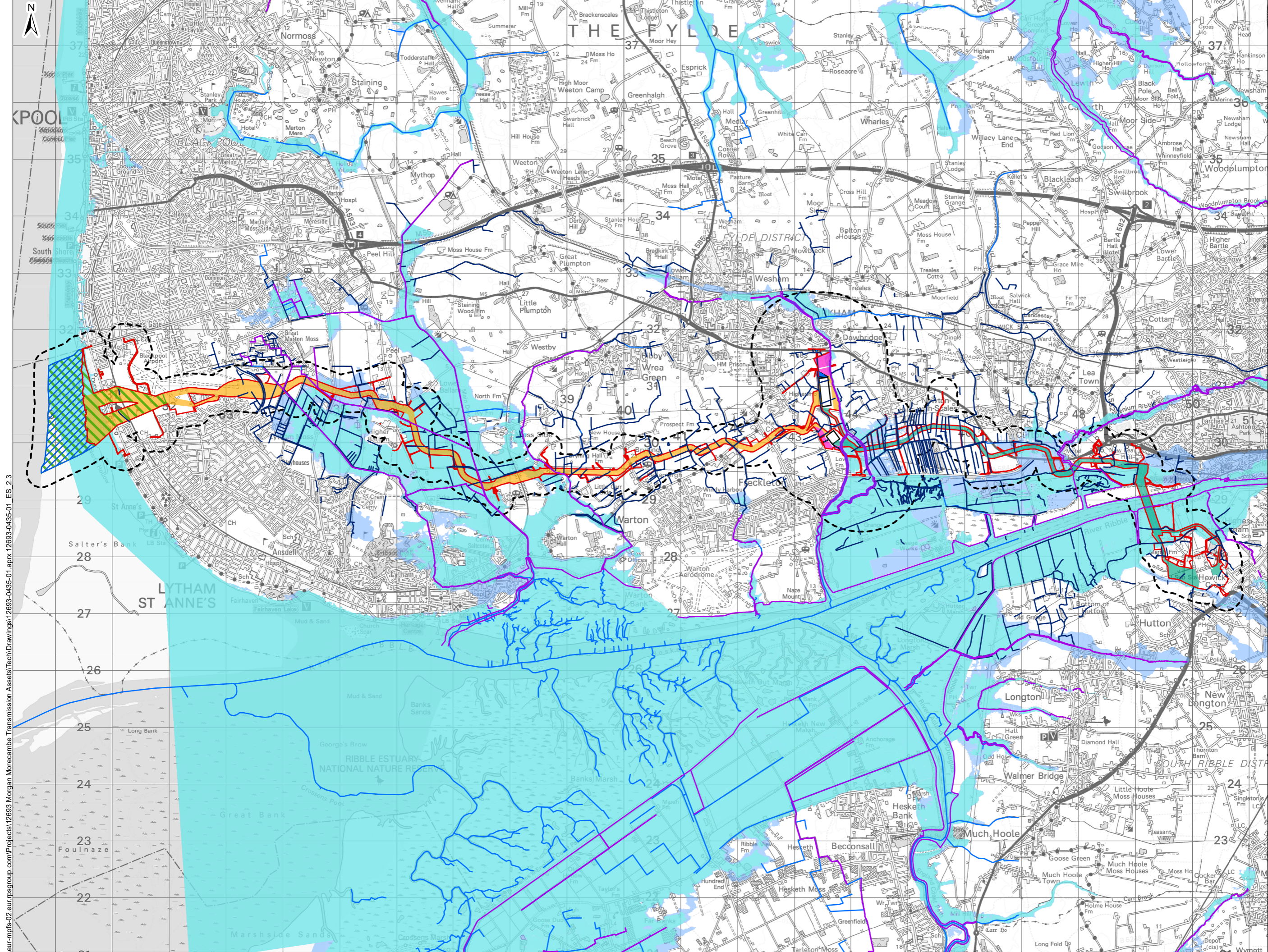
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Figure 2.1

Drawing Number:
12693-0430-01

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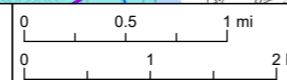


- LEGEND**
- Onshore Infrastructure Area
 - Onshore substation sites
 - Study area
 - Intertidal infrastructure area
 - Landfall
 - Permanent substation access routes
 - Temporary compound areas
 - Onshore export cable corridor
 - Onshore export cable corridor
 - Flood zone 3
 - Flood zone 2
 - AIMS Spatial Flood Defence
 - Ordinary Watercourses
 - Environment Agency Main Rivers

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Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
WATERCOURSES, EA FLOOD ZONES AND EA SPATIAL FLOOD DEFENCES



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:60,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

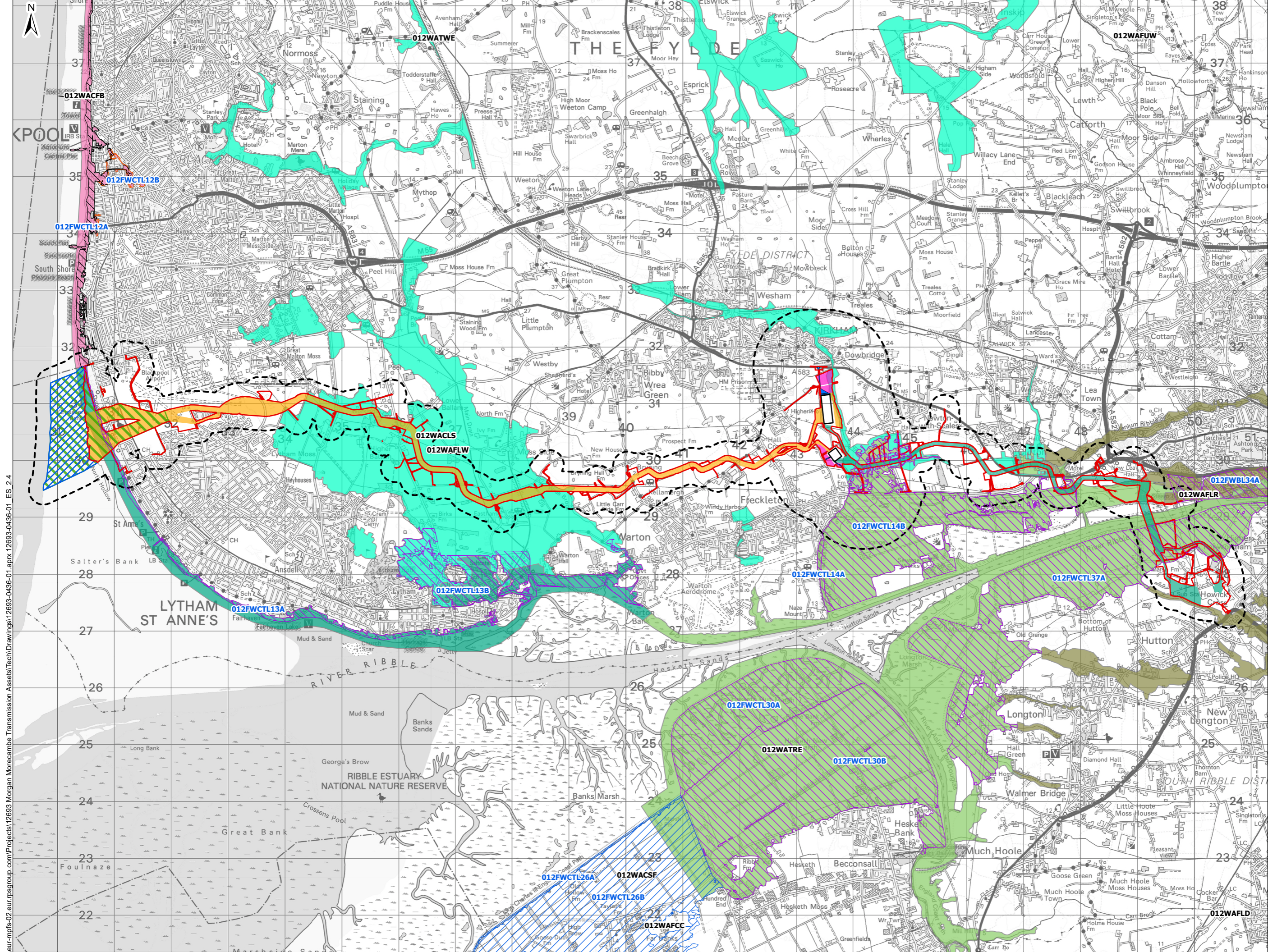
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Figure 2.3

Drawing Number:
12693-0435-01

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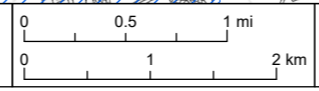


- LEGEND**
- Onshore Infrastructure Area
 - Onshore substation sites
 - Study area
 - Intertidal infrastructure area
 - Landfall
 - Temporary compound areas
 - Permanent substation access routes
 - Onshore export cable corridor
 - Onshore export cable corridor
- Flood warning areas**
- Blackpool
 - Blackpool, Lancashire
 - Lancashire
 - Lancashire, Sefton
- Flood alert areas**
- Coast at Lytham St Annes
 - Coast from Fleetwood to Blackpool
 - Lower River Ribble and Darwen
 - Lower River Wyre
 - Ribble estuary west of Preston
 - Upper River Douglas

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Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
FLOOD WARNINGS AND FLOOD ALERTS WITHIN THE STUDY AREA



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:60,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

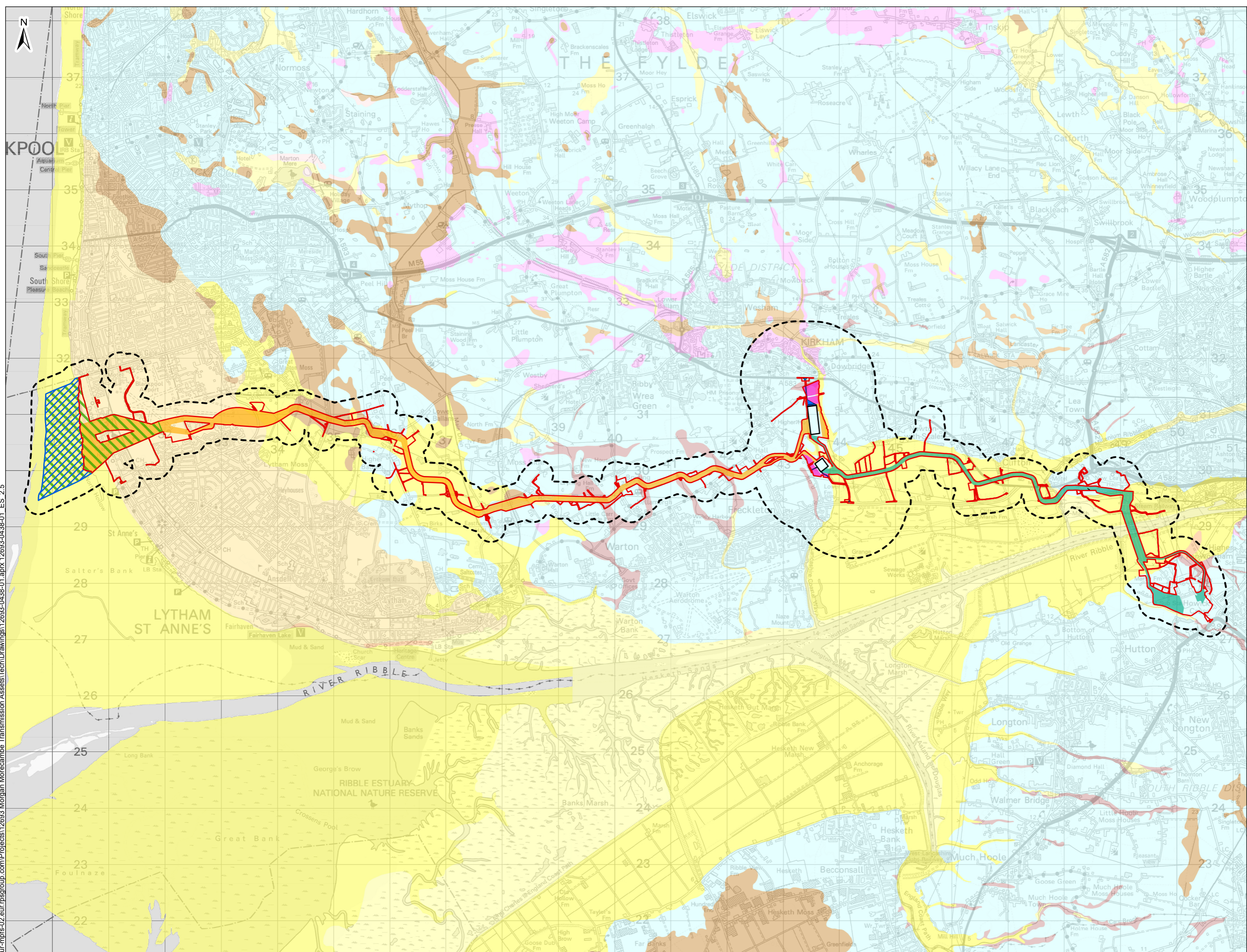
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Figure 2.4

Drawing Number:
12693-0436-01

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01	20/09/24	FINAL	SHB	ALM





- LEGEND**
- Onshore Infrastructure Area
 - Onshore substation sites
 - Study area
 - Intertidal infrastructure area
 - Landfall
 - Temporary compound areas
 - Permanent substation access routes
 - Onshore export cable corridor
 - Onshore export cable corridor

- Superficial deposits 1:50,000 scale**
- GLACIOFLUVIAL DEPOSITS, DEVENSIAN - SAND AND GRAVEL
 - TILL, DEVENSIAN - DIAMICTON
 - ALLUVIUM - CLAY, SAND AND GRAVEL
 - BLOWN SAND - SAND
 - HEAD - CLAY, SILT, SAND AND GRAVEL
 - RAISED STORM BEACH DEPOSITS - GRAVEL
 - LACUSTRINE DEPOSITS - CLAY, SILT AND SAND
 - SHIRDLEY HILL SAND FORMATION - SAND
 - TIDAL FLAT DEPOSITS - CLAY AND SILT
 - PEAT - PEAT

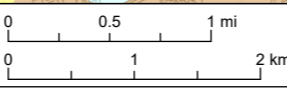


Figure 2.5

Drawing Number:
12693-0438-01

Project Name:
MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Drawing Title:
SUPERFICIAL DEPOSITS WITHIN THE STUDY AREA



Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@379mmx231mm: 1:60,000

Data Sources: Client, The Crown Estate, MMO, NRW, ScotGov, MarineRegions.org

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