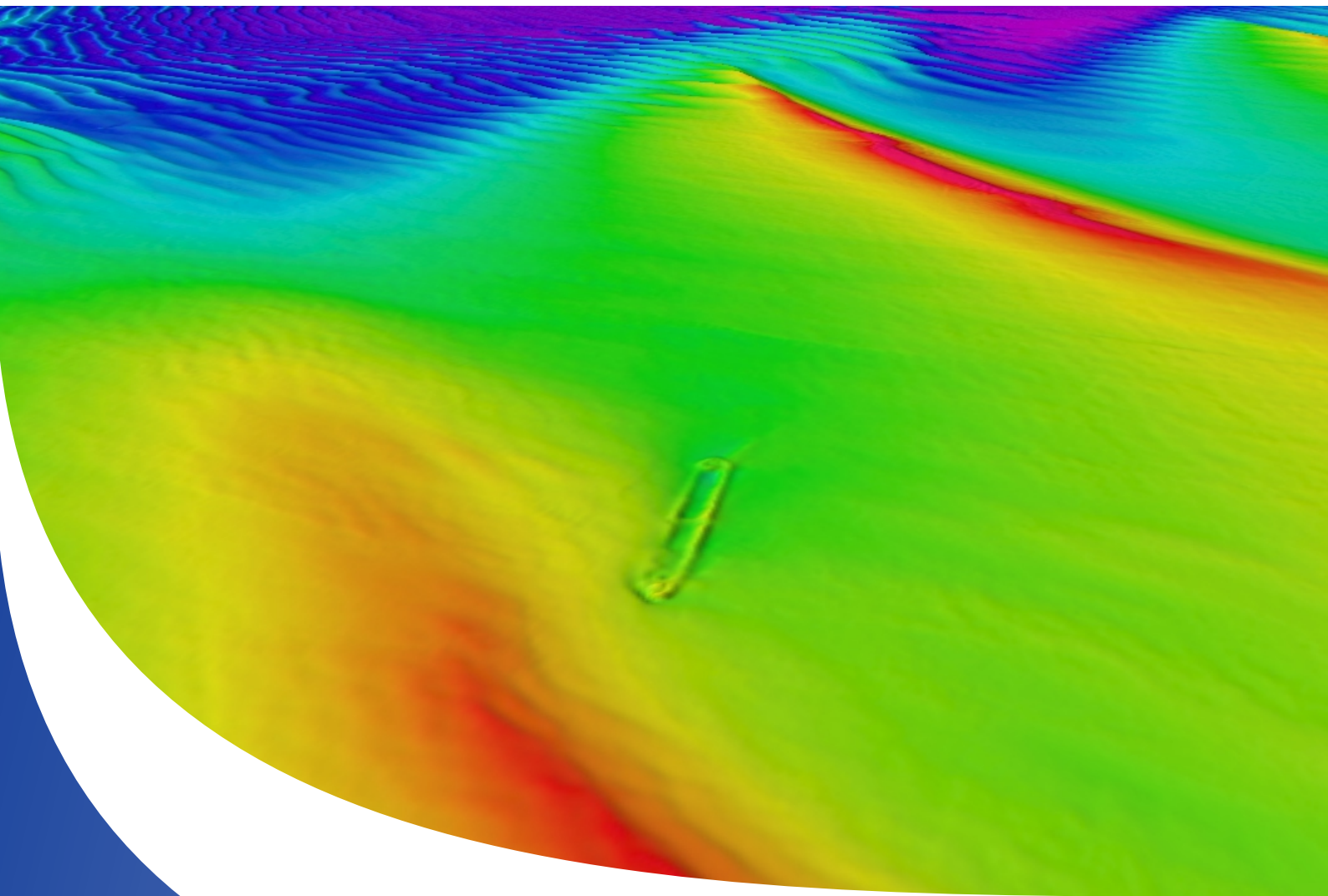




NEMOLink

Archaeological Assessment of Geophysical Data
(route corridor)



Ref: 115580.04
September 2017



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NEMOLink

**Archaeological Assessment of Geophysical Data
(UK route corridor)**

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DATA LICENCES

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Archaeological Assessment of Geophysical Data (UK route corridor)

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Wreck Sheet

Sheet 1: WA ID **7024** - Unknown

NEMOLink

Archaeological Assessment of Geophysical Data (UK route corridor)

Summary

Wessex Archaeology was commissioned by J-Power Systems Corporation to undertake a post-consent archaeological assessment of the geophysical data acquired during the 2016 survey of the NEMOLink interconnector cable route corridor, focusing on the data between the nearshore, kilometre point (KP) 127, and the UK territorial waters at the 12 nautical mile limit.

The geophysical data consisted sidescan sonar, magnetometer and multibeam bathymetry data sets acquired in 2016 by Gardline Geoservices Ltd. The review included an assessment of the current data and the results of the previous archaeological assessment undertaken by Wessex Archaeology in 2011 (Wessex Archaeology 2016).

The archaeological study area for this assessment comprises a 500 m wide corridor at the nearshore end (Section 18) and 100 m corridor for the remaining route (Sections 17 – 14), up to the UK territorial waters boundary, around the planned interconnector cable route (version dated: 29/02/2016). The cable route position list (RPL) used for this project is dated 22 November 2016 and has changed within some sections since the 2016 survey, but remains within the corridor. The study area also includes previously assigned archaeological exclusion zones (AEZs) (Sea Change 2016a) that intersect this corridor. Any anomalies that are situated outside of the study area are not considered in this report.

The assessment of the geophysical data within the study area resulted in a total of 707 anomalies identified as being of possible archaeological interest. These are summarised as follows:

- *a total of 17 were assigned an A1 archaeological rating, two located within 20 m of the RPL (70462 and 70473);*
- *a total of 687 were assigned an A2 archaeological rating, with 124 located within 20 m of the RPL;*
- *one item, a recorded obstruction, was assigned an A3 archaeological discrimination; and*
- *two items were given an O3 archaeological discrimination, as they are known to have been recovered since data acquisition.*

Of the four AEZs originally implemented in the Written Scheme of Investigation (WSI) that are situated, at least partially, within the study area three (**7027**, **7047** and **7049**) should be retained unaltered. The AEZ for **7027** has been retained as the AEZ covers the entire debris field, to the extent of the magnetic variance, with at least a 20 m buffer and hence an update is unnecessary. Both the **7047** and **7049** AEZs partially overlap with the study area but the anomaly locations are outside of the 2016 data coverage and hence their current appearance is unknown and updates to the AEZs not possible. These three AEZs consist of 50 m radius circles around the centre point of the anomalies as identified in the 2010 data.

It is recommended that the fourth AEZ, **7024**, is updated to a 50 m buffer around the extent of the wreck, as observed in the higher resolution 2016 geophysical survey data. The recommendations for these AEZs are summarised below:



ID Number	Description	WGS84 UTM 31 N		AEZ type	AEZ Radius
		Easting (m)	Northing (m)		
7024	Wreck	389786.00	5685532.00	Boundary	50 m
7027	Debris field	391279.00	5685143.00	Centre point	50 m
7047	Debris	394777.00	5685245.00	Centre point	50 m
7049	Debris	395957.00	5685445.00	Centre point	50 m

The remaining eight AEZs listed in the WSI are situated outside the current study area and are hence not discussed in this report, but should be retained unaltered.

Of the 13 remaining anomalies of A1 archaeological discrimination rating, five are debris, one a debris field and seven are very large magnetic anomalies with no surficial representation, indicating buried ferrous debris. All 13 anomalies have been discriminated as A1 based on the very large magnetic anomaly associated with them. No AEZs are recommended at this time as it is not clear that they are of archaeological interest. However, these locations do appear to contain a substantial amount of ferrous material and avoidance of these features by micro-siting is recommended if they are proposed to be directly impacted by development. Where impacts are unavoidable it is recommended that further investigation, such as a survey by an ROV with excavation capabilities, take place to determine the nature and archaeological importance of these features.

It is recommended that the recorded obstruction located within the study area, assigned an A3 archaeological discrimination rating, retains no AEZ at this time based on the recent nature of the record. However, avoidance of this location is recommended where possible due to possible buried debris associated with this record. Further work may be necessary to ascertain whether material of archaeological potential is present at this location if it cannot be avoided.

For features assigned A2 archaeological discrimination rating, no AEZs are recommended at this time. However, avoidance of these features by micro-siting is recommended if they are proposed to be directly impacted by development. Further work, such as ROV survey, may be necessary to ascertain the precise nature and archaeological potential of individual features where avoidance is not feasible.

Any finds of objects of potentially archaeological interest made during construction or maintenance activities should be recorded and archaeological advice sought. This should be conducted in line with the protocol for reporting finds of archaeological interest for this project (Sea Change 2016b).

It is also recommended that should further geophysical survey or ROV survey be undertaken in the area, archaeological input into the survey locations and data obtained should be considered. The data should be made available for archaeological review where appropriate, such as to determine the nature of anomalies that will unavoidably be directly impacted.



NEMOLink

Archaeological Assessment of Geophysical Data (route corridor)

Acknowledgements

This assessment was commissioned by J-Power Systems Corporation. The data for the assessment was provided by David Brown of J-Power Systems Corporation.

Sam Strutton, Megan Metcalfe and Alex Jacob carried out the geophysical assessment and compiled the report with quality control provided by Dr Steph Arnott, Dr Louise Tizzard and Euan McNeill. Kitty Foster prepared the illustrations and the project was managed for Wessex Archaeology by Jack Russell and Euan McNeill.

NEMOLink

Archaeological Assessment of Geophysical Data (UK route corridor)

1 INTRODUCTION

1.1 Project Background

- 1.1.1 Wessex Archaeology was commissioned by J-Power Systems Corporation to undertake a post-consent archaeological assessment of the geophysical data acquired during the 2016 survey of the NEMOLink interconnector cable route corridor, focusing on the data between the nearshore, kilometre point (KP) 127, and the UK territorial waters at the 12 nautical mile (nM) limit.
- 1.1.2 NEMOLink is an interconnector cable route that will connect the UK and Belgium for the transfer of electricity between the two countries. This report focuses on the UK sector of the route between KP 127, located at the entrance of Pegwell Bay, south of Ramsgate Harbour, and the UK territorial waters boundary at 12 nM. The route is split into sections, for reference this sector includes sections 14 – 18; with 14 offshore (up to the 12 nm limit) and 18 nearshore.
- 1.1.3 This report includes the results of the archaeological assessment of 2016 Gardline Geosurvey Ltd (Gardline) geophysical data in conjunction with the results of the previous archaeological investigation undertaken by Wessex Archaeology (Wessex Archaeology 2016) and the written scheme of investigation (WSI) (Sea Change 2016a). The geophysical survey data comprised sidescan sonar (SSS), magnetometer and multibeam bathymetry (MBES) data sets. The sub-bottom profiler (SBP) data were not used for this review.
- 1.1.4 The archaeological study area for this assessment comprises a 500 m wide corridor at the nearshore end (Section 18) and 100 m corridor for the remaining route (Sections 17 – 14), up to the UK territorial waters boundary, around the planned interconnector cable route (version dated: 29/02/2016). The cable route position list (RPL) used for this project is dated 22 November 2016 and has changed within some sections since the 2016 survey, but remains within the corridor. Figure 1 displays an overview of the corridor and the study area.
- 1.1.5 Previously assigned archaeological exclusion zones (AEZs) that intersect this corridor (Sea Change 2016a) are also included in this assessment. Any anomalies that are situated outside of the study area are not considered in this report.

1.2 Previous Work

Wessex Archaeology has been involved in the NEMOLink interconnector project since 2010 with the pre-consent phases. A list of documents relating to this project, including the previous archaeological assessment and WSI, are provided in Table 1. Any anomalies identified in the previous archaeological assessment of geophysical survey data located within the study area are considered in this assessment.

Table 1: Summary of relevant documents

Document	Date	Company	Reference
Archaeological Environmental Impact Assessment (Desk based assessment with review of 2010 geophysical data)	Re-issued July 2016, originally March 2011	Wessex Archaeology (for PMSS)	73390.03
Marine Environmental Statement: Archaeology and Cultural Heritage Chapter	February 2013	Wessex Archaeology (approved by PMSS)	29689
Archaeological Written Scheme of Investigation	July 2016	Sea Change Heritage Consultants	743400608/140708a
Protocol for Reporting Finds of Archaeological Interest	June 2016	Sea Change Heritage Consultants	743400608/140708b

- 1.2.1 The locations of the 12 pre-existing AEZs established in the archaeological environmental impact assessment and maintained in the WSI were examined (Table 2). Only four AEZs overlap with the current corridor (in bold, Table 2); **7024**, **7027**, **7047** and **7049**. These AEZs were subject to archaeological assessment in the 2016 data. The remaining AEZs, which lie outside the study area and data coverage, were not subject to any further assessment and should be retained unaltered.

Table 2: Summary of AEZs from the WSI (in bold where AEZs overlap with study area)

ID Number	AEZ Radius (m)	WGS84 UTM 31 N		Description
		Easting (m)	Northing (m)	
7259	100	506371	5686959	Recorded Wreck
7270	100	386196	5685927	Recorded Wreck
7272	100	386928	5685054	Recorded Wreck
7274	100	389454	5685030	Recorded Wreck
7275	100	396314	5685228	Recorded Wreck
7276	100	396458	5686183	Recorded Wreck
7277	100	404300	5687128	Recorded Wreck
7024	50	389786	5685532	Wreck
7027	50	391279	5685143	Debris
7047	50	394777	5685245	Debris
7049	50	395957	5685445	Debris
7098	50	416527	5686440	Debris

1.3 Aim

- 1.3.1 The aim of this review was to undertake an archaeological assessment of 2016 geophysical survey data acquired over the UK sector of the NEMOLink interconnector cable route corridor and to integrate these results with those of previous assessments that fall within the study area. The objectives were as follows;

- *to assess the 2016 geophysical survey data acquired by Gardline in order to identify any material of possible archaeological and cultural heritage significance present within the study area;*

- *to compare the results of the geophysical interpretation with the results of previous archaeological assessment of geophysical data within the study area;*
- *to update the interpretation of the results of the previous studies, where necessary, based on their appearance in the 2016 data. This includes updating the archaeological discrimination and hence removing from the final gazetteer of anomalies in the study area those that are now interpreted as non-anthropogenic in origin;*
- *to recommend mitigation measures for any potential archaeological or cultural heritage assets newly identified within the study area;*
- *to confirm whether AEZs currently in place from previous studies should be retained unaltered or whether they should be updated or removed.*

1.3.2 All data are referenced to WGS 1984 datum and UTM zone 31 N projection. No conversions were applied.

1.4 Supplementary Assessment

1.4.1 Alongside this report, additional data assessment has been undertaken to investigate any specific areas where any items of archaeological interest have been identified during unexploded ordnance (UXO) clearing. These include three reports, listed below; one references an area outside of the current study area (outside of UK territorial waters; Wessex Archaeology 2017a), whilst the remaining two cover locations within the study area (Wessex Archaeology 2017b; 2017c).

- *Temporary Exclusion Zone, Archaeological Investigation of UXO Anomaly 4959, Report reference: 115580.01 (Wessex Archaeology 2017a) – Aircraft debris*
- *Temporary Exclusion Zone, Archaeological Investigation of UXO Anomaly 6382 and 6384, Report reference: 115580.02 (Wessex Archaeology 2017b) – Cannon, with wooden and metal debris*
- *Temporary Exclusion Zone, Archaeological Investigation of Ferrous Debris, Report reference: 115580.03 (Wessex Archaeology 2017c) – Ferrous debris*

1.4.2 Where the study area overlaps the anomalies from these reports are included in this assessment.

1.4.3 During the UXO clearing a number of items were recovered from the seabed, where there is clear confirmation of a match to an anomaly in the data the archaeological criteria reflects this, where there is no clear confirmation the anomaly remains, but potential recovery is noted in the description.

2 METHODOLOGY

2.1 Data sources

2.1.1 A number of data sources and additional information were utilised during this assessment. These included:

- *wreck and obstruction data within the study area were obtained from the United Kingdom Hydrographic Office (UKHO);*
- *geophysical data acquired during geophysical and UXO survey operations by Gardline in 2016, with associated reports (Gardline 2016a; 2016b);*
- *the results of previous geophysical interpretation undertaken by Wessex Archaeology (Wessex Archaeology 2016); and*
- *the WSI for the NEMO Link project ‘NEMO-TUVSUD-CB-PRO-1000 WSI Rev2’ (Sea Change 2016a).*

2.2 Geophysical Data Assessment Methodology

Geophysical Data – Technical Specifications

2.2.1 Geophysical data were acquired by Gardline during 2016. Data acquisition was split into two types of survey, geophysical and UXO, undertaken by four vessels. The sections in the UK sector of the corridor were surveyed by three of these vessels. The nearshore area (Section 18) was completed by MV *Meriel D*, between 16 May and 18 June 2016 for the geophysical survey and MV *Titan Discovery*, between 15 April and 26 September, 2016, for the UXO survey. The offshore area (Sections 14 – 17) were completed by MV *Ivero*, between 18 April to 27 June, 2016, undertaking both geophysical and UXO surveys. Further details on the equipment used is in Table 3.

Table 3: Summary of survey equipment by vessel

Survey Company	Survey Vessel	Survey / Section	Data Type	Equipment	Data Format
Gardline	MV <i>Meriel D</i>	Geophysical Section 18	SSS	Edgetech 4200 (300 / 600 kHz, 50 m range)	.xtf
			Magnetometer	None	-
			MBES	Reson SeaBat 7125	.s7k .xyz
			SBP	Edgetech 3300 hull-mounted chirp	.seg
				C-Products C-Boom surface towed boomer	.seg
	Positioning	Fugro StarFix DGNSS	-		
	MV <i>Titan Discovery</i>	UXO Section 18	SSS	None	-
			Magnetometer	Geometrics G-882	.txt
			MBES	Reson SeaBat 7125	-
			SBP	None	-
				None	-
	Positioning	Fugro StarFix DGNSS	-		
	MV <i>Ivero</i>	Geophysical, UXO Sections 14, 15, 16, 17	SSS	Edgetech 4200 (300 / 600 kHz, 30 m range)	.xtf
			Magnetometer	Geometrics G-882	.csv
			MBES	Kongsberg Simrad EM3002D	.all .xyz
SBP			Hull-mounted STR digital pinger	.seg	

				C-Products C-Boom surface towed boomer	.seg
			SSS	Edgetech 4200 (300 / 600 kHz, 20-30 m range)	.xtf

- 2.2.2 The following information has been taken from the Gardline operations and interpretive reports (Gardline 2016a; 2016b). It is understood that variable line spacing was planned across the different sensors for the surveys. In the nearshore area, a 40 m line spacing was planned for geophysical survey (MV *Meriel D*), whilst a 6 m line spacing was planned for UXO survey (MV *Titan Discovery*). In the offshore area (MV *Ivero*), a variable, unspecified, line spacing was used. Infill lines were undertaken where deemed required along the route (Gardline 2016a).
- 2.2.3 The magnetic data were acquired via a number of different arrays. In the nearshore area (Section 18), a towed array of three magnetometers spaced 3.4 m or 2.3 m apart, depending on the bathymetry (flat or with bedforms, respectively), was used. In the offshore area (Sections 14 - 17), two systems were used depending on the risk levels for low ferrous UXO. The first system used a towed array of four magnetometers spaced 5 m apart; the second used a towed GMP-4 system, consisting a four magnetometer array towed behind a single tow body, with the magnetometers 1.65 m apart, for the areas of higher risk.
- 2.2.4 The SBP data were not used for this review as they did not form part of the requirements for this investigation.
- 2.2.5 All positions were recorded and expressed in WGS 1984 UTM Zone 31N coordinates. All depths were in reference to lowest astronomical tide (LAT).

Geophysical Data - Quality

- 2.2.6 The geophysical data used for this report were assessed for quality and were rated using the criteria in Table 4.

Table 4: Criteria for assigning data quality rating

Data Quality	Description
Good	Data which are clear and unaffected by weather conditions or sea state. The dataset is suitable for the interpretation of standing and partially buried metal wrecks and their character and associated debris field. These data also provide the highest chance of identifying wooden wrecks and debris.
Average	Data which are affected by weather conditions and sea state to a slight or moderate degree. The dataset is suitable for the identification and partial interpretation of standing and partially buried metal wrecks, and the larger elements of their debris fields. Wooden wrecks may be visible in the data, but their identification as such is likely to be difficult.
Variable	This category contains datasets with the quality of individual lines ranging from good to average to below average. The dataset is suitable for the identification of standing and some partially buried metal wrecks. Detailed interpretation of the wrecks and debris field is likely to be problematic. Wooden wrecks are unlikely to be identified.

- 2.2.7 The quality of the SSS data collected on board the MV *Ivero* and MV *Meriel* have been rated as 'Variable', with some lines exhibiting good quality data and others displaying below average quality with evidence of poor weather conditions or sea state and spikes in the positioning. However, this did not detrimentally affect the data to a significant degree.
- 2.2.8 The magnetometer data on both the MV *Ivero* and MV *Titan Discovery* have been rated as 'Variable'. The majority of files were good, however a few of the data files have been

affected by noise and positional offset, some background variation is visible on a number of lines in the dataset. In a number of files frequent spiking is visible and some lines display noise created by alterations in tow cable length, however this did not affect the data to a significant degree due to the amount of coverage, and as such, is deemed suitable for archaeological purposes.

- 2.2.9 The MBES data have been rated as 'Good'. The data quality and resolution of 0.5 m were found to be of a good standard for archaeological assessment.

Geophysical Data – Processing

- 2.2.10 Three different datasets were used to assess the study area: SSS, magnetometer and MBES data. Each dataset was processed separately using the following software (Table 5).

Table 5: Software used for geophysical assessment

Dataset	Processing Software	Interpretation and rationalisation
SSS	CODAOctopus Survey Engine SSS+ v5.5	Esri ArcMap v10.5
Magnetometer	Geometrics MagPick v3.25	
MBES	QPS Fledermaus v7.5.2	

- 2.2.11 The SSS data files were processed using CodaOctopus Survey Engine SSS+ software. This allowed the data to be replayed with various gain settings in order to optimise the quality of the images. The data were interpreted for any objects of possible anthropogenic origin. This involves creating a database of anomalies within Survey Engine by tagging individual features of possible archaeological potential, recording their positions and dimensions, and acquiring an image of each anomaly for future reference.
- 2.2.12 A mosaic of the SSS data is created during this process to assess the quality of the sonar towfish positioning and coverage of the area. This process allows the position of anomalies to be checked between different survey lines and for the positioning to be further refined if necessary.
- 2.2.13 The form, size and/or extent of an anomaly is a guide to its potential to be an anthropogenic feature and therefore of archaeological interest. A single small but prominent anomaly may be part of a much more extensive feature that is largely buried. Similarly, a scatter of minor anomalies may define the edges of a buried but intact feature, or it may be all that remains as a result of past impacts from, for example, dredging or fishing.
- 2.2.14 The magnetometer data were processed using Geometrics MagPick software in order to identify any discrete magnetic contacts which could represent buried metallic debris or structures such as wrecks.
- 2.2.15 The software enables both the visualisation of individual lines of data and gridding of data to produce a magnetic anomaly map. The data were first manually smoothed to try and eliminate any spiking. A trend was then fitted to the resulting data, and the trend values subtracted from the smoothed values. This was carried out in an attempt to remove natural variations in the data (such as diurnal variation in magnetic field strength and changes in geology). The processed data were then gridded to produce a map of magnetic anomalies, and individual anomalies tagged and images taken in a similar process to that undertaken for the SSS data. Anomalies of greater than 40 nT were identified and tagged, lower than this either highlighted noise in the data or items of a very low ferrous content, that are unlikely to have archaeological potential without any physical presence being seen on the

seabed. With exception of two anomalies, less than 40 nT, that are included as they were identified in a separate site specific assessment of the data (Wessex Archaeology 2017b).

- 2.2.16 Magnetic anomalies have been classified depending on their total amplitude as small medium or large. Small magnetic anomalies are between 40 - 100 nT, medium magnetic anomalies are between 101 - 800 nT, large magnetic anomalies are 801 - 2000 nT and very large magnetic anomalies are 2001 nT or greater.
- 2.2.17 The processed MBES data were analysed to identify any unusual seabed structures that could be shipwrecks or other anthropogenic debris. The data were viewed and analysed using Fledermaus software, which enables 3-D visualisation of the acquired data and geo-picking of seabed anomalies.

Geophysical Data – Anomaly Grouping and Discrimination

- 2.2.18 The previous section describes the initial interpretation of all available geophysical datasets which were conducted independently of each other. This inevitably leads to the possibility of any one object being the cause of numerous anomalies in different datasets and apparently overstating the number of archaeological features in the study area.
- 2.2.19 To address this fact, the anomalies were grouped together, allowing one ID number to be assigned to a single object for which there may be, for example, a UKHO record, a magnetic anomaly and multiple SSS anomalies. At this stage, gazetteers of anomalies created during previous assessments were reviewed and, if appropriate, were grouped with the recent data interpretation.
- 2.2.20 Once all the geophysical anomalies and desk-based information have been grouped, a discrimination flag is added to each record in order to discriminate against those not thought to be of archaeological potential. These flags are ascribed as shown in Table 6.

Table 6: Criteria discriminating relevance of anomalies to the proposed scheme

Archaeological	A1	Anthropogenic origin of archaeological interest
	A2	Uncertain origin of possible archaeological interest
	A3	Historic record of possible archaeological interest with no corresponding geophysical anomaly
Non-archaeological	U1	Not of anthropogenic origin
	U2	Known non-archaeological feature
	U3	Position of a recorded loss at which no physical wreck remains have ever been identified
Recovered	O3	Area subsequently cleared after data acquired

- 2.2.21 The grouping and discrimination of information is based on all available information and is not definitive. It allows for all features of potential archaeological interest to be highlighted, while retaining all the information produced during the course of the geophysical interpretation and desk-based assessment, enabling further evaluation should more information become available.
- 2.2.22 Any sites located outside of the defined study area, either previously recorded in known databases (e.g. UKHO) or identified during this geophysical assessment, are deemed beyond the scope of the current project and are subsequently not included in this report.



- 2.2.23 During grouping of the interpretation results with the results of previous phases of work, any identified anomaly that matches a previously identified feature retains the original anomaly number assigned for previous reports. However, positions and dimensions are updated to reflect the more recent data.
- 2.2.24 For the final results, the non-archaeological anomalies are removed from the gazetteer. The results from the assessment of the study area have been provided as a gazetteer in Appendix 1, are discussed in this report and illustrated in Figure 2.
- 2.2.25 It is understood that the next phase of work, laying the cable, will impact directly approximately a 20 m sub-corridor along the RPL. Information on the number of anomalies that lay within 10 m of this sub-corridor (20 m either side of the RPL) are discussed in the report.

3 SEABED FEATURES ASSESSMENT

3.1 Surficial Geology Overview

- 3.1.1 The study area at the nearshore end of the corridor begins at the entrance to Pegwell Bay, approximately 2 km south-west of Ramsgate Harbour on the edge of the Ramsgate Channel, north-west of Cross Ledge. The study area at the offshore end of the corridor completes at the 12 nM limit of territorial waters, to the north of the Sandettie Bank, in the southern North Sea.
- 3.1.2 The broad geological sequence across the route, between the UK and Belgium, is summarised in Table 7, taken from the archaeological environmental impact assessment (Wessex Archaeology 2016).

Table 7: General geological sequence for the NEMOLink route

Unit	Description
1	Recent (Holocene) seabed sediments, gravelly shelly sand
2	Post-Devensian terrestrial (UK sector) and estuarine (Belgian sector) clay, silt and fine sand with organic inclusions and peat layers
3	Eocene clay (London Clay Formation)
4	Palaeocene sand and sandy clay (Thanet Formation)
5	Campanian (Upper Cretaceous) chalk

- 3.1.3 Within the study area, the surficial sediment mainly comprises shelly gravelly sands and sandy gravels, with the presence of silt and clay; identified as recent (Holocene) seabed sediments.
- 3.1.4 Underlying the surficial sediments, the geology for the study area is the Thanet Formation (Unit 4) in the nearshore area (majority of Section 18), comprising sand and sandy clay (Palaeocene; Thanetian), progressing to Campanian (Upper Cretaceous) chalk (Unit 5) further offshore (Sections 17 -14). The various units of clay noted in Table 7 (Units 2 and 3) do not appear in the geology in this sector of the route. This is confirmed by the British Geological Survey (BGS) Solid Geology charts of the area (BGS 1989).
- 3.1.5 The geophysical data indicates that with the surficial sediments there are mobile bedforms moving throughout the study area, which highlights the possibility of possible buried debris.

3.2 Seabed Features Assessment Results

- 3.2.1 The results of this assessment are collated in gazetteer format and detailed in Appendix 1. Figures 2a - 2j display the anomalies and AEZs positioned over the study area. Below is a summary of the number and types of features identified within the study area.
- 3.2.2 A total of 707 anomalies were identified within the study area. Table 8 summarises the archaeological discrimination of the anomalies. Further information has been provided in the gazetteer (Appendix 1) and Figure 2.

Table 8: Classification of anomalies of archaeological potential

Criteria classes	Interpretation	Quantity	Within 20 m of RPL*
A1	Anthropogenic origin of archaeological interest	17	2
A2	Uncertain origin of possible archaeological interest	687	124
A3	Historic record of possible archaeological interest with no corresponding geophysical anomaly	1	0
O3	Area subsequently cleared after data acquired	2	0
Total		707	126

3.2.3 Furthermore, these anomalies can be classified by probable type, which can further aid in assigning archaeological potential and importance (Table 9).

Table 9: Types of anomaly identified

Anomaly Classification	Number of Anomalies	Archaeological Discrimination			
		A1	A2	A3	O3
Recorded Wreck	0	-	-	-	-
Recorded Obstruction	1	-	-	1	-
Debris	74	7	67	-	-
Wreck	1	1	-	-	-
Debris Field	4	2	2	-	-
Seafloor Disturbance	3	-	3	-	-
Rope/chain	3	-	3	-	-
Bright Reflector	2	-	2	-	-
Dark Reflector	19	-	19	-	-
Mound	0	-	-	-	-
Magnetic	600	7	591	-	2
Total	707	17	687	1	2

3.2.4 Within the study area, 17 anomalies have been given an A1 discrimination, these consist of one wreck, two debris fields, seven items of debris and seven magnetic anomalies all with a very large magnetic amplitude of greater than 2000 nT. Two of the items of debris were only visible in the 2010 data (**7047** and **7049**) and have not been identified in the 2016 data due to being outside the corridor and survey area, however they have been included as they have AEZs which overlap with the study area. Four of the anomalies with A1 archaeological discrimination (**7024**, **7027**, **7047** and **7049**) are items listed in the WSI (Table 2), with AEZs. One A3 is noted within the corridor as a recorded obstruction (**7017**). These have been discussed in further detail below and in the gazetteer (Appendix 1).

3.2.5 One known wreck was identified in the geophysical data within the study area (**7024**), within the nearshore area (Section 18). An upright structure, relatively intact, measuring 39.6 x 7.1 x 0.35 m is visible in both the MBES and SSS data, orientated in a SSW – NNE direction (Sheet 1). Two rectangular depressions were visible in the centre of the structure aligned end to end, lengthways along the centre of the vessel, indicating two large compartments. The vessel appears to be potentially listing slightly to the west with partial burial by a bedform along part of the western length of the structure. The wreck provided a substantial magnetic response (32,014 nT), indicating, along with the defined structure, that it is likely to be constructed of ferrous material, but may also contain a cargo of ferrous material. This

wreck was noted in the 2010 data, as a previously unrecorded wreck identified by all geophysical equipment. The structure retains similar dimensions (31.4 x 4.8 x 0.8 m) which may vary slightly due to difference in data resolution or changes in local seabed levels revealing or covering the structure. The orientation has not changed. Large bedforms lay to the north and west, indicating the structure is likely to be periodically buried, with the one to the west beginning to cover the structure. The wreck was added to the UKHO database (85569) following the 2016 survey, with similar dimensions and a note suggesting the structure is a potential barge, but with no further information on the age or origin as there is no previous history detailed.

- 3.2.6 Anomaly **7027** is a debris field, identified in the SSS data as a collection of distinct dark reflectors with height, these items extend over approximately 10 m, and are associated with a very large magnetic anomaly of 3254 nT extending over 50 m, indicating that much of the debris remains buried. The combined debris field dimensions are 52.2 x 5.2 x 0.2 m. In 2010, a debris field was identifiable in the SSS data (21.1 x 17.6 m), with a magnetic anomaly of 59 nT. The higher resolution data acquired in 2016 provides a more detailed picture of the debris field, indicating the extent is greater than the surficial representation alone.
- 3.2.7 Anomalies **7047** and **7049**, were located outside of the study area and were not covered by the 2016 data, however both AEZs extend into the study area and so they have been included in the 2016 gazetteer. Anomaly **7047**, was observed in the 2010 data as an area of angular bright reflectors measuring 22.2 x 10.7 m, associated with a magnetic anomaly of 43 nT, possibly indicating a potentially highly degraded structure. Anomaly **7049**, was observed in the 2010 data as an elongated dark reflector (or collection of reflectors) with large shadow measuring 7.2 x 6.5 x 0.9 m and an associated small magnetic anomaly (6 nT), indicative of a debris field. It was also seen in the MBES data as a depression, indicating scour measuring 22 x 15 x -0.5 m. This debris field was observed at the location of a live UKHO obstruction (UKHO ID 75358) described as foul ground.
- 3.2.8 Anomaly **7038** is a debris field, identified in the SSS as a collection of dark reflectors with height, appearing partially buried. They lie in three main sections in an almost triangular formation extending for approximately 13.0 x 11.0 m, with an associated very large magnetic anomaly of 5611 nT that appears to extend south-west of the largest anomaly, indicating further buried debris. The feature can also be seen in the MBES data as three main sections of debris, no further definition is seen. Some background magnetic variance can be seen in the area indicating the underlying geology, which appears in line with the debris field. Due to the large magnetic response, this debris field remains discriminated as A1. A seabed disturbance, of approximately 10.7 x 3.1 x 0.0 m, was seen in the 2010 data with a magnetic anomaly of 52 nT.
- 3.2.9 Anomaly **7030** is interpreted as debris, identified mainly by the very large magnetic anomaly of 2213 nT that appears to cover a large area of approximately 20 m. It appears to be associated with a dark reflector, of 2.4 x 0.8 x 0.2 m, seen in the trough of the surrounding bedforms, but due to the data quality it is hard to identify further details. An associated small depression was seen in the MBES data amongst the bedforms, indicating partial burial. This feature was identified as two adjacent objects with height in the 2010 data (1.8 x 0.9 x 0.0 m), with no apparent magnetic anomaly identified, due to the wide line spacing. With the bedforms in the area, it is likely that one of these items is now buried.
- 3.2.10 Anomaly **7033** is interpreted as debris, identified in the SSS data as two dark reflectors next to each other in the trough of a bedform. One appears linear and the other appears slightly curved. They both have slight height and the larger of the two measures 2.7 x 1.0 x 0.2 m. There is an associated magnetic anomaly of 2545 nT stretching over an area of

approximately 30 m. Some background magnetic variance can be seen in the area indicating the underlying geology, which appears in line with the debris field. Due to the large magnetic response, this debris field discriminated as A1. A well-defined magnetic anomaly of 36 nT was identified in the 2010 data, with no surficial representation present indicating the items may previously have been buried.

- 3.2.11 Anomaly **7058** is debris, identified in the SSS as a large dark reflector with two perpendicular linears with height, giving the appearance of an anchor, with a long linear dark reflector extending from the end looping back on itself. The debris item measured approximately 3.5 x 1.5 x 0.2 m, whilst the whole length of the looped linear feature was approximately 30 m, the area of seabed covered was approximately 25 x 5 m. The objects are associated with a large extended magnetic anomaly, covering approximately 30 m and with an amplitude of 2952 nT, indicating the debris item is ferrous along with the linear, which is likely to be chain or metallic core rope. A slight disturbance is seen in the MBES data. A curvilinear dark reflector with height was visible in the 2010 data, covering a similar area to that seen in 2016, however no significant magnetic anomaly was apparent in 2010. Although the appearance is of an anchor and chain, until confirmed it remains ferrous debris, of potential archaeological interest.
- 3.2.12 Anomaly **70392** is debris, identified in the SSS data as a circular object with height of 2.8 x 1.8 x 0.4 m, located amongst an area of bedforms, with an associated magnetic anomaly of 9596 nT. The size of the magnetic anomaly indicates there are possibly further associated buried ferrous items. No further details were observed in the MBES data. This anomaly is discriminated as A1 owing to the amplitude of the magnetic anomaly.
- 3.2.13 Anomaly **70417** is interpreted as debris, which was identified in the SSS data as a dark reflector with height of 1.7 x 0.5 x 0.3 m, although possibly slightly stretched in the data. It lies amongst an area of rough ground and has an associated magnetic anomaly of 6424 nT, indicating potentially partially buried ferrous debris. Located close to anomaly **7036**, approximately 22 m away, indicating they may be related items of buried or partially buried ferrous debris. This anomaly has been discriminated as A1 because of the very large amplitude magnetic anomaly.
- 3.2.14 The remaining seven A1 items were only seen in the magnetic data (**7022**, **7036**, **7048**, **70043**, **70221**, **70462** and **70473**). They ranged in amplitude from 2121 nT to 4463 nT, indicating buried ferrous debris (**7022**, **7036**, **70473**), or buried ferrous debris fields (**7048**, **70043**, **70221**). One anomaly, **7022**, appeared to stretch along a large area of approximately 150 m in length, there is potential for this to be recent anthropogenic ferrous debris, however due to the size of the amplitude of the item its archaeological discrimination was maintained.
- 3.2.15 A single recorded obstruction (UKHO ID 15159) identified as an area of foul ground is located within the study area (**7017**). It is described as the remains of the recently sunk (in 1995) wreck of the *Pisces*, a fishing vessel of 5.5. x 2.3 m. The UKHO record indicates that after a diver survey (in 1995) the remains of the vessel lay in at least two separate places, with the engine block in a trench by a chalk ridge and the remains of the hull on flat sandy seabed. No anomalies or objects were present at the location provided so this location has been maintained with an A3 classification, due to the potential for associated buried debris.
- 3.2.16 Some debris were noted to be located nearby **7017** (**70141**, **70145** and **70147**) in both the SSS data and magnetic data, however it is uncertain which, if any, items are associated with the wreck.

- 3.2.17 Anomaly **70141** is an item of debris, identified in the SSS as a dark reflector with height, possibly partially buried in the bedforms, measuring 3.4 x 1.3 x 0.4 m, with an associated magnetic anomaly of 154 nT and a slight mound seen in the MBES data. It is located approximately 30 m away from **7017**. Anomaly **70145** is an item of debris, identified in the SSS as a dark reflector with height, possibly partially buried in the bedforms, measuring 4.4 x 0.6 x 0.3 m, with an associated magnetic anomaly of 178 nT. It is located approximately 15 m away from **7017**. Anomaly **70147** is an item of debris, identified in the SSS as an elongated dark reflector with height, possibly partially buried in the bedforms, measuring 2.3 x 0.4 x 0.2 m, with an associated magnetic anomaly of 199 nT and a small mound seen in the MBES data. It is located approximately 21 m away from **7017**. Six further magnetic anomalies ranging from 43 to 434 nT were identified within 75 m of **7017**, these items have been noted as buried ferrous debris that may be associated with the wreck, (**70135, 70137, 70140, 70143, 70146** and **70150**).
- 3.2.18 A total of 687 anomalies have an A2 discrimination; 6 of those were only seen in the 2010 data and 30 were seen in both 2010 and 2016 datasets, the remaining 651 were only in the 2016 data. Table 9 above shows the breakdown of the anomaly types, which will be discussed individually below.
- 3.2.19 A total of 67 items of debris have an A2 discrimination. The anomalies vary in size and character and are characterised as debris, as opposed to debris fields, as they are single anomalies interpreted as one or possibly two objects, at the most. Generally the debris is seen in both the SSS and magnetic data, however, some items are only seen in the magnetic data but provide enough definition to be identified as debris. In some cases where the debris is seen in both datasets, the magnetic anomaly can appear to extend further than the surficial representation indicating partial burial. Greater detail on each anomaly is in the gazetteer (Appendix 1).
- 3.2.20 A number of items of debris have linear features extending from them or located nearby, indicating they may be objects the lost rope/chain has snagged on or they may themselves be part of the associated debris (**7052, 7058, 7083, 70529, 70528, 70531, 70532** and **70533**). The linear feature is noted, but due to being modern debris has not been included in the positioning of the anomaly. Linear features without debris have been identified and classified as rope/chain; further details below.
- 3.2.21 Anomaly **7083**, an item of debris, with a linear feature, is located close to a UKHO record indicating a recorded obstruction (foul ground). The information provided indicates this debris is an anchor and chain (UKHO ID 87133), but because the position is not the same and the item is partially buried and cannot be clarified visually, the item remains. The UKHO point has been referenced but, due to it being of modern debris, has not been included in the gazetteer with a discrimination of A3.
- 3.2.22 Anomaly **70560**, an item of debris, appears oblong in shape with dimensions of approximately 2.6 x 1.6 x 0.2 m and a more complex detail, as seen in the SSS (Figure 3), clearly indicating an anthropogenic origin. It is associated with a large magnetic anomaly of 1218 nT.
- 3.2.23 One item of debris that appears very different to the other debris in the area is anomaly **7025** (Figure 3). It appears as either a collection of very closely positioned strongly defined dark reflectors with height or one object with texture covering 6.7 x 4.4 x 0.3 m. It is also visible in the MBES data, located amongst the bedforms, with an associated magnetic anomaly of 366 nT over a wide area, indicating that further debris may be buried. The item of debris was also seen in the 2010 data, but only in the magnetic data (53 nT), indicating previous burial.

- 3.2.24 Two debris fields were discriminated as A2 (**70520** and **70526**) due to their anthropogenic appearance and characteristics. The anomalies vary in size and character and are characterised as debris fields as they are a collection of anomalies interpreted as three or more objects. Both have potential for partial burial indicated in the SSS data. Anomaly **70520**, displayed in Figure 4, is a collection of dark reflectors with height seen in the SSS and MBES data covering an area of 18.1 x 9.6 m, but only approximately 0.2 m high. It has an associated magnetic anomaly of 87 nT. Anomaly **70526** is a collection of dark reflectors and seafloor disturbance (9.0 x 8.8 x 0.2 m), with an associated magnetic anomaly of 281 nT, and may be associated with nearby debris and linear feature thought to be rope/chain (**70528**, **70527** and **70529**).
- 3.2.25 A total of 19 dark reflectors were discriminated as A2. These features have potentially poor definition with no clearly associated magnetic anomaly, however they may represent non-ferrous items of debris. These features, displayed in Figure 4, vary in size and shape from a 1.2 x 1.2 x 0.3 m oblong shaped object (**70554**) to an 11.1 x 0.3 x 0.4 m for a curvilinear object (**70404**) with low coverage and potentially stretched in the data. Two further examples include an elongated dark reflector (**70628**) of 3.4 x 1.0 x 0.1 m (Figure 5) and a dark reflector with no clear shadow indicating identification (**7029**) of 1.9 x 0.7 x 0.4 m with a linear feature extending from the object as possible scour (Figure 5).
- 3.2.26 Three seafloor disturbances were discriminated as A2 (**70399**, **70518** and **70624**). A seafloor disturbance is an area of seabed that appears disturbed, potentially by a buried or partially buried wreck or debris of archaeological interest. These types of features may be groups of what is apparently debris or may be more ephemeral and consist solely of a patch of bright and dark reflectors distinct from the surrounding seabed. The largest of those observed was **70624** (Figure 5) with dimensions of 6.0 x 2.8 m. The feature comprised a linear object that appears partially buried, with nearby possibly buried objects at angles to each other in the SSS, creating a disturbance that appears different to the surrounding bedforms.
- 3.2.27 Three items of rope/chain were discriminated as A2 (**70478**, **70505** and **70507**), these items had no clear associated debris. Anomaly **70478**, a feature 9.9 m in length, is located amongst an area of bedforms and magnetic variance, indicating that there may be further sections buried but this is not confirmed in the data. Anomalies **7055** and **70479** are located within 25 m of the centre point of **70478** and may be associated debris. Anomalies **70505** (18.3 m in length) and **70507** (6.8 m in length) are located approximately 55 m apart (centre points), they may form part of the same item of rope/chain or be two separate items.
- 3.2.28 Two bright reflectors were classified with an A2 discrimination (**7056** and **70555**), indicating their possible construction of a material such as plastic, rubber, wood or potentially fibreglass. One of these items was identified only in the 2010 data (**7056**) and may now be buried. Anomaly **70555**, was identified in the 2016 data, as an item of 0.8 x 0.5 m in an area of magnetic variance but no defined magnetic anomaly. No clear feature that would provide a shadow can be seen indicating there may be some burial or the item itself has low height.
- 3.2.29 A total of 600 magnetic anomalies were discriminated as A2; 284 were classed as small (40 - 100 nT), 286 were classed as medium (101 - 800 nT) and 21 were classed as large (801 - 2000 nT). All anomalies were seen on a number of lines due to the small line spacing. No surficial representation was clearly associated with the anomalies and they have been interpreted as potentially buried ferrous debris although the smaller amplitude anomalies could also potentially be natural in origin. The majority of the magnetic anomalies were identified in the nearshore section of the study area (Section 18), but were also

approximately evenly distributed along the corridor. Further details of each anomaly can be found in the gazetteer (Appendix 1).

- 3.2.30 With some of the magnetic anomalies, there were indications that there may be some underlying geological influence, with either migrating minor channels seen in the MBES data in the very nearshore area or background magnetic variance, which was mostly seen in the nearshore area. It is not always possible to clearly distinguish between natural and anthropogenic magnetic anomalies without further information. Where there is believed to have been some geological influence on anomalies that appear anthropogenic it is noted in the gazetteer (Appendix 1).
- 3.2.31 Three magnetic anomalies seen in the 2010 data (**7009**, **7032** and **7066**) had their discriminations altered as a result of their appearance in the 2016 data. The current dataset has a greater resolution of magnetometer data, so increasing the confidence of any anomalies seen in both 2010 and 2016. These three anomalies were not seen as clearly defined anomalies in the 2016 data and so were downgraded to a U1 discrimination, indicating they are not of anthropogenic origin.
- 3.2.32 Two small magnetic anomalies identified in the 2016 data (**7430** and **7431**) were at the locations of items of debris that have subsequently been recovered since the acquisition of the data, during UXO operations, and so have been classified of O3. Anomaly **7430** (71 nT) has been confirmed as a cannon and anomaly **7431** (65 nT) has been confirmed as wooden and metal debris, further detail on both can be found in report 115580.02 (Wessex Archaeology 2017a).
- 3.2.33 Two magnetic anomalies of less than 40 nT, **7428** and **7429**, are included within the gazetteer, as previously noted, (Wessex Archaeology 2017a), these items were located close to anomaly **7430** and have been identified as potential buried ferrous debris.
- 3.2.34 Further UXO investigations have been conducted by Dynasafe BACTEC Limited (Dynasafe BACTEC) and Bluestream and may provide further information on a number of other magnetic anomalies, but recovery of objects has not been confirmed and so the anomalies are still discriminated as A2. Anomalies **7432** (385 nT), **7433** (277 nT) and **7434** (84 nT), were located close (within 50 m) to an item of debris and some steel wire recovered by a dive team. It is not possible to confirm whether the recovered items correspond to these three anomalies (Wessex Archaeology 2017c). Some additional anomalies may also be related to the recovered steel wire indicated by the magnetic variance seen in the data between the anomalies (**70082** (89 nT) , **70085** (59 nT) and **70088** (574 nT)) but are more than 50 m away from the location of the recovered debris. Anomaly **70050** (205 nT) is potentially linked to a section of aircraft, but no further information is known on recovery or identification at present.

4 DISCUSSION

- 4.1.1 Whilst within the study area there is a total of 707 anomalies, only 126 of these fall within 20 m of the RPL. These are discussed here.
- 4.1.2 Only two anomalies with an A1 archaeological discrimination rating fall within 20 m of the RPL: **70462** (3457 nT) and **70473** (2121 nT). Both of these items are only seen in the magnetic data as very large anomalies, with no surficial representation, indicating buried ferrous material.
- 4.1.3 None of the current AEZs encroach within 20 m of the RPL.
- 4.1.4 The remaining 124 anomalies are assigned A2 archaeological discrimination rating, these were made up of the following:
- *11 items of debris, ranging from 0.5 x 0.5 x 0.2 m to 4.0 x 1.2 x 0.3 m;*
 - *7 dark reflectors, ranging from 1.0 x 0.7 x 0.2 m to 3.4 x 1.0 x 0.1 m;*
 - *1 bright reflector (2.45 x 1.9 m) identified in the 2010 data that may now be buried;*
 - *1 rope/chain, approximately 18 m in length; and*
 - *104 magnetic anomalies, of which 43 had a small amplitude (40 – 100 nT), 53 had a medium amplitude (101 – 800 nT) and 8 had a large amplitude (801 – 2000 nT).*
- 4.1.5 The majority of these anomalies were identified in the nearshore area (Sections 18 and 17) and the furthest offshore area (Section 14), but part of this apparent concentration may be influenced by the relatively large size of these sections compared to the others.

5 CONCLUSIONS AND RECOMMENDATIONS

5.1.1 The assessment of the geophysical data within the study area resulted in a total of 707 anomalies identified as being of possible archaeological interest. These are summarised as follows:

- a total of 17 were assigned an A1 archaeological rating, two located within 20 m of the RPL (**70462** and **70473**);
- a total of 687 were assigned an A2 archaeological rating, with 124 located within 20 m of the RPL;
- one item, a recorded obstruction, was assigned an A3 archaeological discrimination; and
- two items were given an O3 archaeological discrimination, as they are known to have been recovered since data acquisition.

5.1.2 Of the four AEZs originally implemented in the WSI that fall, at least partially, within the study area three (**7027**, **7047** and **7049**) should be retained unaltered (Table 10). The AEZ for **7027** has been retained as the AEZ covers the entire debris field, to the extent of the magnetic variance, with at least a 20 m buffer and hence an update is unnecessary. Both the **7047** and **7049** AEZs partially overlap with the study area but the anomaly locations are outside of the 2016 data coverage and hence their current appearance is unknown and updates to the AEZs not possible. These three AEZs consist of 50 m radius circles around the centre point of the anomalies as identified in the 2010 data.

5.1.3 It is recommend that the fourth AEZ **7024**, is updated so that it is a 50 m buffer around the extent of the wreck as observed in the higher resolution 2016 geophysical survey data (Table 10).

Table 10: Summary of AEZs for the study area

ID Number	Description	WGS84 UTM 31 N		AEZ type	AEZ Radius
		Easting (m)	Northing (m)		
7024	Wreck	389786.00	5685532.00	Boundary	50 m
7027	Debris field	391279.00	5685143.00	Centre point	50 m
7047	Debris	394777.00	5685245.00	Centre point	50 m
7049	Debris	395957.00	5685445.00	Centre point	50 m

5.1.4 The remaining eight AEZs listed in the WSI are still active although they lie outside the current study area and are hence not discussed in this report, but should be retained unaltered.

5.1.5 Of the 13 remaining anomalies of A1 archaeological discrimination rating, five are debris, one a debris field and seven are very large magnetic anomalies with no surficial representation, indicating buried ferrous debris. All 13 anomalies have been discriminated as A1 based on the very large magnetic anomaly associated with them. No AEZs are recommended at this time as it is not clear that they are of archaeological interest. However, these locations do appear to contain a substantial amount of ferrous material and avoidance of these features by micro-siting is recommended if they are proposed to be directly impacted by development in the future. Where impacts are unavoidable it is recommended that further investigation, such as a survey by an ROV with excavation capabilities, take place to determine the nature and archaeological importance of these features.



- 5.1.6 It is recommended that the recorded obstruction located within the study area, assigned an A3 archaeological discrimination rating, retains no AEZ at this time based on the recent nature of the record. However, avoidance of this location is recommended where possible due to potential buried debris associated with this record. Further work may be necessary to ascertain whether material of archaeological potential is present at this location if it cannot be avoided.
- 5.1.7 For features assigned A2 archaeological discrimination rating, no AEZs are recommended at this time. However, avoidance of these features by micro-siting is recommended if they are proposed to be directly impacted by development in the future. Further work, such as ROV survey, may be necessary to ascertain the precise nature and archaeological potential of individual features where avoidance is not feasible.
- 5.1.8 Any finds of objects of potentially archaeological interest made during construction or maintenance activities should be recorded and archaeological advice sought. This should be conducted in line with the protocol for reporting finds of archaeological interest for this project (Sea Change 2016b).
- 5.1.9 It is also recommended that should further geophysical survey or ROV survey be undertaken in the area archaeological input into the survey locations and data obtained should be considered. The data should be made available for archaeological review where appropriate, such as to determine the nature of anomalies that will unavoidably be directly impacted.



6 REFERENCES

British Geological Survey (BGS) 1989 Thames Estuary Sheet 51° N-00° Solid Geology 1:250000 Series

Gardline Geoservices Limited (Gardline) 2016a FIELD/OPERATIONS REPORT for New Subsea Cable Survey:- Nemo Link Pre-Engineering and UXO Survey. Report Reference: 2016 14-233-SUB-REP-008

Gardline Geoservices Limited (Gardline) 2016b FINAL INTEGRATED INTERPRETATIVE REPORT for New Subsea Cable Survey: - Nemo Link Pre-Engineering and UXO Survey. Report Reference: J14-233-SUB-REP-012

PMSS 2013 Environmental Statement Volume I Environmental Statement and Figures: UK Environmental Statement, Document Reference: 29689

Sea Change Heritage Consultants (Sea Change) 2016a Archaeological Written Scheme of Investigation. Rev 2. July 2016, Document Reference: 743400608/140708a

Sea Change Heritage Consultants (Sea Change) 2016b Protocol for Reporting Finds of Archaeological Interest. Rev 1. June 2016, Document Reference: 743400608/140708b

Wessex Archaeology 2016 Project Nemo UK-Belgium Electrical Interconnector Richborough to West Zeebrugge Archaeological Environmental Impact Assessment Volume I: Report; Report reference: 73390.03

Wessex Archaeology 2017a NEMOLink, Temporary Exclusion Zone, Archaeological Investigation of UXO Anomaly 4959 Report reference: 115580.01

Wessex Archaeology 2017b NEMOLink, Temporary Exclusion Zone, Archaeological Investigation of UXO Anomaly 6382 and 6384 Report reference: 115580.02

Wessex Archaeology 2017c NEMOLink, Temporary Exclusion Zone, Archaeological Investigation of Ferrous Debris Report reference: 115580.03



APPENDIX 1: SEABED FEATURES OF ARCHAEOLOGICAL POTENTIAL

ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7002	Magnetic	388062	5686469	A2	-	-	-	535	Medium symmetrical dipole seen in the magnetic data, close to a number of anomalies. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 87 nT with no surficial representation, position updated.		18	115580, 73390
7003	Magnetic	388084	5686612	A2	-	-	-	192	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, likely more than one object. Observed in the 2010 data as a magnetic anomaly of 12 nT with no surficial representation, position updated.		18	115580, 73390
7004	Magnetic	388251	5686216	A2	-	-	-	203	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 140 nT with no surficial representation, position updated.		18	115580, 73390
7005	Magnetic	388225	5686377	A2	-	-	-	171	Medium and small asymmetric dipoles and monopoles seen over an area in the magnetic data, appears in a curved 'v' shape indicating a length of linear ferrous material approximately 100 m in length. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 16 nT with no surficial representation, position updated.		18	115580, 73390
7006	Magnetic	388308	5686381	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 21 nT with no surficial representation, position updated.		18	115580, 73390
7007	Magnetic	388536	5686263	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 10 nT with no surficial representation.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7008	Magnetic	388534	5686321	A2	-	-	-	74	Small symmetrical dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 11 nT with no surficial representation.		18	115580, 73390
7010	Debris	388624	5686195	A2	3.1	1.2	0.7	-	Observed in the 2010 data as an angular dark reflector with height but no associated magnetic anomaly. A small magnetic anomaly less than the threshold can be seen in the 2016 data. Possibly a piece of low or non-ferrous debris that has become buried.		18	73390
7011	Magnetic	388823	5686063	A2	-	-	-	669	Medium asymmetric dipoles seen in the magnetic data indicating a length of ferrous debris (approximately 30 m long). No defined surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 70109 . Observed in the 2010 data as a dark reflector with height (3.5 x 0.4 x 0.5 m) outside of the magnetic data, possibly more than one dark reflector amongst rough ground, assumed associated, position updated.		18	115580, 73390
7012	Magnetic	388973	5686205	A2	-	-	-	1438	Large asymmetrical dipole seen on multiple lines in the magnetic data, covering approximately a 30 m area. No defined surficial representation. Located amongst minor bedforms. Close to a group of magnetic anomalies. Indication of buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 18 nT, position close to two anomalies closest anomaly chosen and position updated.		18	115580, 73390
7013	Magnetic	388873	5686275	A2	-	-	-	131	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment, close to a group of items seen in the sidescan sonar and bathymetry, 70653 and 70654 . Indication of buried ferrous debris. Observed in 2010 data as a magnetic anomaly of 8 nT, no surficial representation, position updated.		18	115580, 73390
7014	Debris	388960	5685871	A2	35	0.7	0.2	423	Curvilinear dark reflector with height, indicating a partially buried linear object with magnetic anomaly associated; medium asymmetric dipole that extends further than the object visible on the seafloor (by approximately 30 m). Located amongst minor bedforms. Partially buried linear ferrous object. Observed in 2010 as a magnetic anomaly of 49 nT with no surficial representation, position updated.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7015	Magnetic	389088	5686018	A2	-	-	-	866	Large asymmetric dipole seen in the magnetic data. No defined surficial representation. Located close to a number of magnetic anomalies and amongst minor bedforms. Indication of buried ferrous debris. Observed in 2010 as a magnetic anomaly of 13 nT with no surficial representation, location updated.		18	115580, 73390
7016	Debris	389174	5685947	A2	4.3	0.8	0.2	-	Observed in the 2010 data as a short linear dark reflector with shadow found amongst stretched data but without an associated magnetic anomaly. Located in an area of sand ripples and possibly a piece of partially buried non-ferrous debris. Close to a number of magnetic anomalies (70136 and 70142) in the 2016 data, but not directly seen in the 2016 data, therefore not confident of association, with possibly burial due to sediment mobility.		18	73390
7017	Recorded obstruction	389200	5685809	A3	-	-	-	-	Area of foul ground from the remains of a recent recorded wreck of the Pisces (15159 UKHO; 1995). Seen amongst an area of bedforms indicating likely burial, but close to a collection of debris, unconfirmed if related. No clear vessel wreck in the 2016 data, but position maintained.	15159 (UKHO)	18	73390
7018	Magnetic	389456	5686022	A2	-	-	-	319	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst a number of magnetic anomalies and bedforms, with rough ground. Indication of buried ferrous debris. Observed in 2010 as a magnetic anomaly of 7 nT with no surficial representation, position updated.		18	115580, 73390
7019	Debris	389470	5685853	A2	1.9	0.7	0.4	80	Small symmetrical dipole in the magnetic data. Close to a dark reflector seen on the seabed, assumed associated. A disturbance can be seen in the bathymetry to confirm position. Located amongst an area of bedforms. Indication of ferrous debris, possibly partially buried. Observed in 2010 as an isolated dark reflector with height (1.4 x 0.4 x 0.3 m) with no noted magnetic anomaly located amongst bedforms with additional debris seen in 2016; position updated.		18	115580; 73390
7020	Magnetic	389669	5685863	A2	-	-	-	114	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris, but with magnetic variance in the area. Observed in 2010 as a magnetic anomaly of 6 nT with no surficial representation, position updated.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7021	Dark reflector	389658	5685681	A2	4.6	1.4	0.3	-	Observed in the 2010 data as an indistinct dark reflector with shadow but without an associated magnetic anomaly. Could be natural or a piece of non-ferrous debris. Not identified in 2016.		18	73390
7022	Magnetic	389887	5685872	A1	-	-	-	4463	Very large asymmetric dipole seen on many different lines over a large area (approximately 150 m) in the magnetic data. No surficial representation seen but located amongst large bedforms, almost following the peak of one large bedform. Indication of large ferrous debris. Observed in 2010 as a magnetic anomaly of 11 nT, with no surficial representation; position updated. Nothing seen on chart, located approximately 400 m south of the West Quern buoy.		18	115580, 73390
7023	Magnetic	389955	5685758	A2	-	-	-	298	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7022 . Observed in 2010 as a magnetic anomaly of 11 nT with no surficial representation, position updated.		18	115580, 73390
7024	Wreck	389784	5685533	A1	39.6	7.1	0.35	32014	Upright wreck, appears to be relatively intact with a depression in its centre seen in all datasets, with the outline seen in the sidescan sonar and bathymetry and a very large asymmetric dipole present in the magnetic data. Wreck orientated SSW-NNE, identified at the edge of a bedform. Possibly listing slightly towards the west, and partially buried by seabed sediments along its western edge. Observed in 2010 as a previously unrecorded wreck, updating the UKHO data (85569) it was observed in the sidescan sonar (31.4 x 4.8 x 0.8 m), bathymetric and magnetic (66 nT) data.	85569 (UKHO)	18	115580, 73390
7025	Debris	390808	5685329	A2	6.7	4.4	0.25	366	Collection of strong dark reflectors with height seen in the sidescan sonar data, associated with a medium slightly asymmetric dipole seen on a number of lines indicating a number of ferrous objects. Also seen as a mound in the bathymetry data, amongst an area of bedforms. Indicating a number of closely positioned objects or one textured object of ferrous debris, possibly with additional debris still buried. Observed in the 2010 data as a magnetic anomaly of 53 nT with no surficial representation, indicating sediment movement, position updated.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7026	Magnetic	390927	5685348	A2	-	-	-	331	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 6 nT with no surficial representation, position updated.		18	115580, 73390
7027	Debris Field	391279	5685143	A1	52.2	5.2	0.2	3254	Very large asymmetric dipole seen in the magnetic data, covering a large area (approximately 50 m in length). Associated distinct dark reflectors with height, indicating a debris field of approximately 10 m seen in the sidescan sonar data. Slight indication of debris and scour in the bathymetry data, but not defined. Located amongst an area of bedforms indicating that the majority of the structure indicated by the magnetic data is buried. Observed in 2010 as debris, an area of dark reflectors (21.9 x 17.6 x 0.0 m) with a medium magnetic anomaly of 59 nT.		18	115580, 73390
7028	Magnetic	391392	5685069	A2	-	-	-	430	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris, close to 7027. Observed in 2010 as a magnetic anomaly of 19 nT, with no surficial representation, position updated.		18	115580, 73390
7029	Dark reflector	391445	5685054	A2	1.9	0.7	0.4	-	Dark reflector seen in the sidescan sonar data, no clear shadow indicating height but potential linear feature extending from object. No associated magnetic anomaly, nor identifiable in the bathymetry. Possibly partially buried debris. Observed in 2010 as debris, short linear dark reflector (8.1 x 0.7 x 0.0 m) amongst stretched data, with no associated magnetic anomaly.		18	115580, 73390
7030	Debris	391396	5685122	A1	2.4	0.8	0.2	2213	Very large asymmetric dipole in the magnetic data, with associated dark reflector with height seen in the sidescan sonar. A slight depression is seen in the bathymetry. Located amongst an area of bedforms. Close to a large anomaly 7027 . Indication of ferrous debris, possibly partially buried. Observed in 2010 as debris, two adjacent angular dark reflectors with height in stretched data (1.8 x 0.9 x 0.0 m), with no apparent magnetic anomaly, position updated.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7031	Magnetic	391663	5684909	A2	-	-	-	78	Small positive monopole seen in the magnetic data. No surficial representation in 2016. Located amongst an area of bedforms. Indication of buried ferrous debris, close to a number of magnetic anomalies. Observed in 2010 as debris, displayed as a linear alignment of dark reflectors with height in stretched data (9.4 x 0.1 x 0.2 m) with no notable magnetic anomaly, possibly now buried under bedforms.		18	115580, 73390
7033	Debris	391846	5685013	A1	2.7	1	0.2	2545	Two dark reflectors with heights seen amongst the bedforms in the sidescan sonar data, one linear and one curved. Indication that they are partially buried. Associated with a very large asymmetric dipole seen on multiple lines covering an area of approximately 30 m in the magnetic grid. Located amongst an area of bedforms. Indication of partially buried ferrous debris. Observed in the 2010 data as a small but well defined magnetic anomaly of 36 nT, with no surficial representation; position updated.		18	115580, 73390
7034	Debris	392410	5684948	A2	4.3	0.6	0.5	919	Dark reflector with height, located in an area of bedforms in the sidescan sonar data. Possibly partially buried. Associated with a large asymmetric dipole in the magnetic data. Seen near a number of other anomalies (70392 , 70396) and in line with the background magnetic variance indicating the underlying geology. Located amongst an area of bedforms. Indication of buried ferrous debris. Observed in 2010 data as two adjacent dark reflectors with height (16.5 x 2.2 x 0.4 m) with no magnetic anomaly, position updated. Possibly second object buried in the bedforms.		18	115580, 73390
7035	Debris	392573	5685151	A2	22.8	1.1	0.5	-	Observed in the 2010 data as a linear alignment of numerous dark reflectors with large shadows seen amongst stretched data, with no associated magnetic anomaly. Possible area of non-ferrous debris or natural. Not seen in the 2016 data and may have become buried.		18	73390
7036	Magnetic	392925	5685178	A1	-	-	-	3514	Very large very asymmetric dipole seen in the magnetic data. Located amongst minor bedforms. Close to a second anomaly 70417 (22 m apart), possibly associated. Indication of buried or partially buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 13 nT, position updated.		18	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7037	Dark reflector	392912	5685102	A2	1.7	0.3	0.3	-	Observed in 2010 as an elongate dark reflector with a shadow but without an associated magnetic anomaly. Could be natural or a piece of non-ferrous debris. Not seen in 2016.		18	73390
7038	Debris field	393047	5685030	A1	13	11	0.3	5611	A number of dark reflectors and shadows were seen in the sidescan sonar data with corresponding magnetic anomalies seen in the magnetic data (very large to medium asymmetric dipoles). There is an area of background magnetic variance that may indicate underlying geology in line with the anomaly. The texture and appearance of the reflectors indicate that the feature may be an area of debris or an outcropping of the seabed. The bathymetry data shows two edges of a feature, but does not provide any further definition than seen in the sidescan sonar, position update to the bathymetry. Observed in 2010 as a small area of disturbed seabed with magnetic anomaly of 52 nT, the position has been updated using the recent bathymetry.		18	115580, 73390
7039	Magnetic	393159	5685047	A2	-	-	-	403	Medium asymmetric dipole seen in the magnetic data. Seen amongst a number of other anomalies. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris. Observed in 2010 as a magnetic anomaly of 8 nT, original position between two current magnetic targets due to a greater resolution dataset, but as this anomaly is the largest this was that assumed to be associated, position updated.		18	115580, 73390
7047	Debris	394777	5685245	A1	22.2	10.7	-	43	Outside of the data extents for 2016. Observed in the 2010 data as an area of angular bright reflectors associated with a magnetic anomaly. Probably an area of ferrous debris, or the remains of a highly degraded structure. Located outside of the cable route corridor, however the AEZ extends approximately 20 m into the corridor.		17	73390
7048	Magnetic	395165	5685373	A1	-	-	-	2617	Very large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of shallow buried ferrous debris. Observed in the 2010 data as a magnetic anomaly of 8 nT with no surficial representation, position updated.		17	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7049	Debris	395957	5685445	A1	7.2	6.5	0.9	6	Outside of the data extents for 2016. Observed in the 2010 data as a large, elongated dark reflector (or collection of reflectors) with large shadow and associated with a small magnetometer contact. Identified on multibeam bathymetry data as a depression measuring 22 x 15 x 0.5 m, probably representing a scour. Probably an area of debris or the remains of a badly degraded structure. Observed at the location of a live UKHO obstruction (foul ground; 75358). Located outside of the corridor, however the AEZ extends approximately 5 m into the corridor.	75358 (UKHO)	17	73390
7051	Debris	396272	5685651	A2	2.9	0.5	0.6	-	Elongated dark reflector with height seen in the sidescan sonar data, well defined. No associated magnetic anomaly. Indicating a length of non-ferrous debris. Observed in the 2010 data as a short linear dark reflector with height (5.3 x 0.3 x 0.4 m) with no associated magnetic anomaly.		17	115580, 73390
7052	Debris	396386	5685640	A2	2.7	1.4	0.8	750	Dark reflector with height seen in the sidescan sonar data with an associated magnetic anomaly (750 nT) indicating debris, located (position provided) at what appears to be the end of a long dark curvilinear reflector with slight height (1.66 x 0.2 x 0.1 m), also seen in the sidescan sonar data, with associated magnetic variance and anomalies (80 - 440 nT). Seen on a number of lines, possibly linked to further anomalies but unable to confirm with confidence. Objects seen along the length, as possible items of debris, but most defined at the end (70462, 70465, 70467, 70468, 70470 and 70471). Likely recent anthropogenic debris, either caught on debris on the seabed or all part of the same event. Observed in the 2010 data as a long curvilinear dark reflector with small height (150 x 0.5 x 0.2 m) with no apparent magnetic anomaly (variance seen).		17	115580, 73390
7055	Dark reflector	396525	5685688	A2	3.5	1.5	0.6	-	Dark angular reflector with height seen in the sidescan sonar data. Slight change seen in the bathymetry data. No associated magnetic anomaly apparent. Near to a linear dark reflector indicating rope or chain, possibly linked. Likely non-ferrous debris. Observed in the 2010 data as a dark reflector with height (2.2 x 0.6 x 0.5 m) with no associated magnetic anomaly.		17	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7056	Bright reflector	396486	5685711	A2	2.4	1.9	-	-	Observed in the 2010 data as an elongated bright reflector without an associated magnetic anomaly. Could be natural or a piece of non-ferrous debris. Not seen in the 2016 data, potentially buried.		17	73390
7058	Debris	396605	5685728	A1	3.5	1.5	0.2	2952	Large dark reflector with height seen in the sidescan sonar data, appears to look like an anchor, with a long linear dark reflector, looped back on itself seen extending from the object, indicating an anchor and chain (or ferrous core rope and debris). Position of the item of debris used. Associated very large magnetic anomalies correlate along the length of the contact. A slight change is seen in the bathymetry data, but nothing definitive. The chain appears to be approximately 30 m in length, with the anchor shaped debris approximately 3.5 m by 1.5 m, and the whole area extending over approximately 25 x 11 m. Likely recent anthropogenic material. Observed in the 2010 data as a curvilinear dark reflector with small height (26.0 x 0.2 x 0.2 m) with no apparent magnetic anomaly (variance seen).		17	115580, 73390
7064	Magnetic	397457	5686061	A2	-	-	-	198	Medium asymmetric dipole seen in the magnetic data. No surficial representation in 2016. Located amongst bedforms, indicating buried ferrous debris. Observed in the 2010 data as a dark reflector with height (0.8 x 0.1 x 0.6 m) with no apparent magnetic anomaly (due to different specification).		17	115580, 73390
7083	Debris	408951	5687176	A2	102.0	0.5	0.1	705	Long linear magnetic anomaly seen in the magnetic data, with some peaks along the linear as a medium asymmetric dipole (110 nT), with a medium asymmetric dipole (705 nT) seen at the northern end of the linear feature indicating large ferrous debris attached to a length of ferrous material. A linear dark reflector is seen in sections along the magnetic anomaly in-between the bedforms, indicating partially buried length of ferrous debris, likely rope / chain. Length is that seen in the magnetic data. Previously seen in the 2010 data as a magnetic anomaly of 12 nT with no surficial representation; position updated. More recently noted in the UKHO data as an anchor and chain (87133), with the anchor standing height approximately 1.5 m above the seabed. Unconfirmed if recovered.	87133 (UKHO)	14	115580, 73390



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7084	Debris	408819	5687259	A2	18.8	7.9	-	917	A number of dark and bright reflectors seen amongst seafloor disturbance in the sidescan sonar data located amongst rough ground and bedforms. Appears associated with a large asymmetric dipole seen in the mag data covering a large area (approximately 18 m). No clear structure visible indicating that there may be partial burial of ferrous debris. Observed in the 2010 data as a magnetic anomaly of 50 nT with no surficial representation apparent, indicating burial at that time.		14	115580, 73390
7428	Magnetic	388631	5686230	A2	-	-	-	34	Small asymmetric dipole seen on the magnetic data only. Not seen in the sidescan sonar or bathymetry data, indicating buried ferrous debris. Located amongst flat seabed and mobile fine sediment. Near larger anomalies 7430 and 7431 - approx. 30 m away. Identified during a separate temporary exclusion zone assessment (115580.02).		18	115580
7429	Magnetic	388703	5686256	A2	-	-	-	20	Small asymmetric dipole seen on the magnetic data only. Not seen in the sidescan sonar or bathymetry data, indicating buried ferrous debris. Located amongst flat seabed and mobile fine sediment. Approximately 46 m from 7430 . Identified during a separate temporary exclusion zone assessment (115580.02).		18	115580
7430	Magnetic	388667	5686228	O3	-	-	-	71	Small asymmetric dipole seen on multiple lines in the magnetic data. No defined surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. This item corresponds with MAG_6382 (a recovered cannon) identified by Dynasafe BACTEC and Bluestream during ROV operations on the 2017 UXO survey of NEMOLink (115580.02). Anomaly now recovered during ROV operations and not present on the seabed.	MAG_6382 (Dynasafe BACTEC and Bluestream, 2017)	18	115580
7431	Magnetic	388683	5686226	O3	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. This item corresponds with MAG_6384 (wooden and metal debris) identified by Dynasafe BACTEC and Bluestream during ROV operations on the 2017 UXO survey of NEMOLink (115580.02). Anomaly now recovered during ROV operations and not present on the seabed.	MAG_6384 (Dynasafe BACTEC and Bluestream, 2017)	18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
7432	Magnetic	388395	5686276	A2	-	-	-	385	Medium asymmetric dipole seen in the magnetic data next to an area of magnetic variance that appears to join between identified magnetic targets (7433 , 7434 , 70088), indicating a linear object. No surficial representation, indicating buried ferrous debris. Located approximately 15 m from the as found location of an item of debris discovered by a dive team (unconfirmed if related), but possibly related to the steel wire recovered by a dive team during UXO operations (Bactec Dynasafe 2017 (21/07/2017)) (115580.03). Possibly now recovered from the seabed.	Dynasafe BACTEC and Bluestream, 2017	18	115580
7433	Magnetic	388421	5686272	A2	-	-	-	277	Main anomaly is a medium asymmetric dipole, with a number of peaks and troughs seen in the magnetic data amongst an area of magnetic variance, indicating either a couple of objects or a length of debris connected with nearby anomalies. No surficial representation, indicating buried ferrous debris. Located approximately 12 m from the as found location of an item of debris discovered by a dive team (unconfirmed if related), but possibly related to the steel wire recovered by a dive team during UXO operations (Bactec Dynasafe 2017 (21/07/2017)) (115580.03). Possibly now recovered from the seabed.	Dynasafe BACTEC and Bluestream, 2017	18	115580
7434	Magnetic	388449	5686276	A2	-	-	-	84	Small asymmetric dipole seen in the magnetic data amongst an area of magnetic variance, indicating a linear object likely connecting with nearby anomalies, 7432 , 7433 and 70088 (which were located close to or possibly related to the steel wire recovered by a dive team during UXO operations (Bactec Dynasafe 2017 (21/07/2017)) (115580.03). Located amongst flat seabed and mobile fine sediment. No surficial representation, indicating buried ferrous debris. Possibly now recovered from the seabed.	Dynasafe BACTEC and Bluestream, 2017	18	115580
70000	Magnetic	387797	5686364	A2	-	-	-	754	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70001 , possibly associated.		18	115580
70001	Magnetic	387808	5686366	A2	-	-	-	605	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70000 possibly associated.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70002	Magnetic	387819	5686464	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70003	Magnetic	387831	5686424	A2	-	-	-	106	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70004	Magnetic	387845	5686393	A2	-	-	-	198	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70005 and 70006 .		18	115580
70005	Magnetic	387851	5686401	A2	-	-	-	489	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70006 and 70004 .		18	115580
70006	Magnetic	387852	5686412	A2	-	-	-	267	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70005 and 70004 .		18	115580
70007	Magnetic	387870	5686558	A2	-	-	-	715	Medium asymmetric dipole seen in the magnetic data, with a number of smaller peaks seen indicating potential for a collection of objects or positional offset. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of a group of buried ferrous debris.		18	115580
70008	Magnetic	387871	5686600	A2	-	-	-	106	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70009	Magnetic	387888	5686354	A2	-	-	-	277	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one item.		18	115580
70010	Magnetic	387897	5686560	A2	-	-	-	159	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70011	Magnetic	387904	5686663	A2	-	-	-	474	Medium asymmetric dipole seen in the magnetic data, many peaks seen indicating potential for a collection of objects. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of a group of buried ferrous debris.		18	115580
70012	Magnetic	387923	5686572	A2	-	-	-	361	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, appears to be more than one item.		18	115580
70013	Magnetic	387926	5686591	A2	-	-	-	500	Medium asymmetric dipole seen in the magnetic data, close to a number of anomalies. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70014	Magnetic	387930	5686625	A2	-	-	-	160	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70015	Magnetic	387932	5686386	A2	-	-	-	73	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70016	Magnetic	387934	5686732	A2	-	-	-	123	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70017	Magnetic	387937	5686542	A2	-	-	-	109	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70018	Debris	387947	5686763	A2	1.0	0.4	0.2	49	Dark reflector with height seen in the sidescan sonar data, appears partially buried, with associated magnetic anomaly; a small asymmetric dipole. Located amongst flat seabed and mobile fine sediment. Indication of partially buried ferrous debris.		18	115580
70019	Magnetic	387959	5686793	A2	-	-	-	84	Small asymmetrical dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70020	Magnetic	387963	5686453	A2	-	-	-	73	Small positive monopole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70021	Magnetic	387968	5686513	A2	-	-	-	1371	Large asymmetric dipole seen in the magnetic data; positioning offset in a couple of lines. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70022	Magnetic	387977	5686721	A2	-	-	-	68	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70023	Magnetic	387986	5686397	A2	-	-	-	79	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70024	Magnetic	387988	5686527	A2	-	-	-	46	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70025	Magnetic	387995	5686373	A2	-	-	-	347	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70026	Magnetic	387998	5686425	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70027.		18	115580
70027	Magnetic	388002	5686443	A2	-	-	-	160	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to 70026.		18	115580
70028	Magnetic	388003	5686330	A2	-	-	-	232	Medium asymmetric dipole seen in the magnetic data, appears slightly elongated. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70029	Magnetic	388012	5686602	A2	-	-	-	42	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70030	Magnetic	388024	5686767	A2	-	-	-	72	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70031	Magnetic	388031	5686476	A2	-	-	-	129	Medium fairly symmetrical dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70032	Magnetic	388036	5686400	A2	-	-	-	71	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70033	Magnetic	388037	5686741	A2	-	-	-	159	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70034	Magnetic	388038	5686702	A2	-	-	-	120	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70035	Magnetic	388041	5686525	A2	-	-	-	66	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70024 .		18	115580
70036	Magnetic	388075	5686591	A2	-	-	-	93	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 7003 and 70041 .		18	115580
70037	Magnetic	388080	5686738	A2	-	-	-	79	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70038	Magnetic	388090	5686265	A2	-	-	-	262	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70039	Magnetic	388091	5686246	A2	-	-	-	47	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70040	Magnetic	388105	5686643	A2	-	-	-	210	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70045 and 70046 .		18	115580



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		Easting	Northing									
70041	Magnetic	388107	5686585	A2	-	-	-	1266	Large asymmetric dipole seen in the magnetic data, appears to have magnetic variance extending from the anomaly possibly additional linear object attached or further debris. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one item.		18	115580
70042	Magnetic	388108	5686476	A2	-	-	-	1046	Large asymmetric dipole seen with a second anomaly amongst the larger in the magnetic data, indicating multiple objects. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of a collection of buried ferrous debris.		18	115580
70043	Magnetic	388108	5686211	A1	-	-	-	2366	Very large symmetrical dipole seen in the magnetic data. No surficial representation; located amongst flat seabed and mobile fine sediment, although appears to be in a channel formed in the fine sediment in the intertidal area. Indication of buried ferrous debris.		18	115580
70044	Magnetic	388109	5686367	A2	-	-	-	191	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one object, close to 70048 , possibly associated.		18	115580
70045	Magnetic	388109	5686661	A2	-	-	-	202	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70046 and 70040 .		18	115580
70046	Magnetic	388122	5686655	A2	-	-	-	204	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, next to and possibly associated with 70045 and 70040 .		18	115580
70047	Magnetic	388122	5686237	A2	-	-	-	191	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70048	Magnetic	388123	5686371	A2	-	-	-	701	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one item, close to 70044 .		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70049	Magnetic	388136	5686704	A2	-	-	-	103	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70053 and 70054 .		18	115580
70050	Magnetic	388146	5686500	A2	-	-	-	205	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to second anomaly 70052 . Indication by a dive team that the object may be aircraft related (MAG_11081) (Bactec Dynasafe 2017 (06/07/2017)); unconfirmed if recovered from location.	MAG_11081 (Dynasafe BACTEC 2017)	18	115580
70051	Magnetic	388148	5686552	A2	-	-	-	94	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70052	Magnetic	388156	5686517	A2	-	-	-	513	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one item.		18	115580
70053	Magnetic	388162	5686704	A2	-	-	-	66	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70054 .		18	115580
70054	Magnetic	388166	5686690	A2	-	-	-	104	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70053 .		18	115580
70055	Magnetic	388179	5686210	A2	-	-	-	118	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70056	Magnetic	388191	5686337	A2	-	-	-	1902	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, near to a potential linear ferrous object.		18	115580
70057	Magnetic	388192	5686185	A2	-	-	-	153	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70058	Magnetic	388193	5686589	A2	-	-	-	46	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70059	Magnetic	388202	5686241	A2	-	-	-	143	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70060	Magnetic	388215	5686434	A2	-	-	-	60	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 7005 , possibly associated.		18	115580
70061	Magnetic	388232	5686603	A2	-	-	-	432	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70062	Magnetic	388239	5686275	A2	-	-	-	69	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70064 .		18	115580
70063	Magnetic	388241	5686634	A2	-	-	-	98	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70064	Magnetic	388246	5686290	A2	-	-	-	573	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70062 .		18	115580
70065	Magnetic	388271	5686245	A2	-	-	-	54	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70066	Magnetic	388272	5686136	A2	-	-	-	78	Small symmetrical dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70067	Magnetic	388277	5686340	A2	-	-	-	166	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70068	Magnetic	388289	5686473	A2	-	-	-	71	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70071 , 70073 , 70075 and 70077 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70069	Magnetic	388295	5686118	A2	-	-	-	87	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70070	Magnetic	388307	5686558	A2	-	-	-	284	Medium asymmetric dipole seen in the magnetic data. Next to two anomalies, possibly linked or associated (70079 and 70081). No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly a number of items.		18	115580
70071	Magnetic	388307	5686459	A2	-	-	-	47	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70068 , 70071 , 70072 , 70073 , 70075 and 70077 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70072	Magnetic	388308	5686413	A2	-	-	-	80	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70068 , 70071 , 70073 , 70075 and 70077 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70073	Magnetic	388311	5686450	A2	-	-	-	113	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70068 , 70071 , 70072 , 70075 and 70077 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70074	Magnetic	388313	5686571	A2	-	-	-	125	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, near to 70070 , 70079 and 70081 , possibly associated.		18	115580



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		Easting	Northing									
70075	Magnetic	388321	5686442	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70068 , 70071 , 70072 , 70073 and 70077 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70076	Magnetic	388322	5686142	A2	-	-	-	49	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70077	Magnetic	388324	5686417	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70068 , 70073 , 70071 , 70072 and 70075 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70078	Magnetic	388327	5686317	A2	-	-	-	318	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70079	Magnetic	388328	5686557	A2	-	-	-	99	Small asymmetric dipole seen in the magnetic data. Next to two anomalies, possibly linked or associated (70070 and 70081). No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly a number of items.		18	115580
70080	Magnetic	388343	5686448	A2	-	-	-	162	Medium symmetrical dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70080 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70081	Magnetic	388348	5686550	A2	-	-	-	598	Medium asymmetric dipole seen in the magnetic data. Next to two anomalies, possibly linked or associated (70079 and 70070). No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly a number of items.		18	115580
70082	Magnetic	388357	5686291	A2	-	-	-	89	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Located near to a number of anomalies (7432 , 7433 , and 7434) amongst some magnetic variance, possibly associated.		18	115580



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		Easting	Northing									
70083	Magnetic	388375	5686441	A2	-	-	-	76	Small symmetrical and asymmetric dipole seen over a number of lines in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, may be linked to 70080 , with a small possibility to be linked to drainage channels in the intertidal area.		18	115580
70084	Magnetic	388380	5686165	A2	-	-	-	241	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70085	Magnetic	388395	5686230	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, located near to 7432 , 7433 , 7434 and 70088 amongst some magnetic variance, possibly associated		18	115580
70086	Magnetic	388400	5686533	A2	-	-	-	103	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, close to 70081 .		18	115580
70087	Magnetic	388435	5686171	A2	-	-	-	74	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70088	Magnetic	388456	5686222	A2	-	-	-	574	Medium asymmetric dipoles seen on multiple lines in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Near strong magnetic variance indicating a linear feature, likely connecting with 7433 and 7434 (which were found to be potentially linked by steel wire recovered by a dive team during UXO operations (Bactec Dynasafe 2017 (21/07/2017)) (115580.03)). Indication of buried ferrous debris.	Dynasafe BACTEC and Bluestream, 2017	18	115580
70089	Magnetic	388462	5686395	A2	-	-	-	94	Small symmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70090	Magnetic	388469	5686512	A2	-	-	-	255	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70091	Magnetic	388495	5686153	A2	-	-	-	90	Small negative monopole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris. Near to 70093 and 70087 , possibly associated.		18	115580
70092	Magnetic	388513	5686334	A2	-	-	-	71	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70093	Magnetic	388531	5686175	A2	-	-	-	501	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly more than one item.		18	115580
70094	Magnetic	388550	5686232	A2	-	-	-	107	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70095	Magnetic	388550	5686459	A2	-	-	-	114	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70096	Magnetic	388565	5686367	A2	-	-	-	40	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70097	Magnetic	388593	5686327	A2	-	-	-	71	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70098	Magnetic	388640	5686094	A2	-	-	-	123	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70099	Magnetic	388661	5686429	A2	-	-	-	164	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70100	Magnetic	388713	5686378	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, appears to have some magnetic variance nearby indicating that the ferrous item may extend or be linked to 70104 .		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70101	Magnetic	388724	5686088	A2	-	-	-	91	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly a number of items.		18	115580
70102	Magnetic	388754	5686225	A2	-	-	-	95	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70103	Magnetic	388767	5685953	A2	-	-	-	40	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70104	Magnetic	388769	5686378	A2	-	-	-	910	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, appears to have some magnetic variance nearby indicating that the ferrous item may extend or be linked to 70100 .		18	115580
70105	Magnetic	388773	5686273	A2	-	-	-	299	Medium symmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst flat seabed and mobile fine sediment. Close to likely debris 70107 . Indication of buried ferrous debris.		18	115580
70106	Magnetic	388777	5685982	A2	-	-	-	449	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70107	Debris	388791	5686276	A2	4.4	0.3	0.1	202	Small dark reflector with height, well defined on the seabed, in the sidescan sonar data, with associated magnetic anomaly; a medium asymmetric dipole seen in multiple lines in the magnetic data. Located amongst flat seabed and mobile fine sediment. Indicating partially buried ferrous debris.		18	115580
70108	Magnetic	388840	5686140	A2	-	-	-	384	Medium asymmetric dipole seen over many lines in the magnetic data, indicating a length of ferrous debris (approximately 30 m). No defined surficial representation. Located amongst minor bedforms. Close to a group of magnetic anomalies. Indication of buried ferrous debris, either as a length or multiple objects.		18	115580
70109	Magnetic	388847	5686046	A2	-	-	-	444	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one item, close to 7011 .		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70110	Magnetic	388851	5686119	A2	-	-	-	191	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 70108 .		18	115580
70111	Magnetic	388852	5686345	A2	-	-	-	79	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70112	Magnetic	388853	5685981	A2	-	-	-	192	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70113	Magnetic	388886	5686006	A2	-	-	-	54	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70114	Magnetic	388907	5685971	A2	-	-	-	61	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70115	Magnetic	388908	5685999	A2	-	-	-	107	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70116	Magnetic	388937	5686205	A2	-	-	-	82	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst minor bedforms. Indication of buried ferrous debris, possibly linked to 7012 and 70117 .		18	115580
70117	Magnetic	388947	5686189	A2	-	-	-	405	Medium asymmetric dipole seen on multiple lines in the magnetic data, covering approximately a 20 m area. No defined surficial representation. Located amongst minor bedforms. Amongst a group of magnetic anomalies. Indication of buried ferrous debris. Close to 7012 , possibly associated.		18	115580
70118	Dark reflector	388983	5685854	A2	8.7	0.7	0.2	-	Dark reflector with height seen in the sidescan sonar, close to a linear feature and magnetic anomaly (7014), but not thought to be linked. Possibly a seabed disturbance or non-ferrous debris.		18	115580
70119	Magnetic	388988	5686096	A2	-	-	-	73	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms and seafloor disturbance. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70120	Magnetic	388988	5686009	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris, possibly a couple of items.		18	115580
70121	Magnetic	389013	5685954	A2	-	-	-	52	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70122	Magnetic	389019	5685936	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70123	Magnetic	389032	5686117	A2	-	-	-	108	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70124	Magnetic	389037	5686132	A2	-	-	-	50	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70125	Magnetic	389038	5686322	A2	-	-	-	59	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70126	Magnetic	389046	5686226	A2	-	-	-	123	Medium symmetric and asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70127	Debris	389060	5686283	A2	2.2	1.7	0.5	58	Small asymmetric dipole, almost monopole, seen in the magnetic data, appears associated with a small angular dark reflector on the seabed. Indication of potential ferrous debris. Located amongst minor bedforms.		18	115580
70128	Magnetic	389070	5686112	A2	-	-	-	114	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70129	Magnetic	389075	5686128	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70130	Magnetic	389086	5685860	A2	-	-	-	186	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70131	Magnetic	389107	5685983	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70132	Magnetic	389120	5686095	A2	-	-	-	540	Medium asymmetric dipole seen over approximately 40 m in the magnetic data. No defined surficial representation. Located amongst bedforms. Indication of a length of buried ferrous debris, or multiple objects, close to 70134 , likely associated.		18	115580
70133	Magnetic	389124	5685927	A2	-	-	-	197	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70134	Magnetic	389142	5686076	A2	-	-	-	84	Small symmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris, close to 70132 .		18	115580
70135	Magnetic	389147	5685791	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No defined surficial representation. Indication of buried ferrous debris. Located amongst bedforms approximately 55 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70136	Magnetic	389155	5685937	A2	-	-	-	130	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70137	Magnetic	389164	5685870	A2	-	-	-	43	Small asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst a number of magnetic anomalies indicating a debris field amongst the bedforms. Indication of buried ferrous debris. Located approximately 70 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70138	Magnetic	389169	5686159	A2	-	-	-	82	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70139	Magnetic	389170	5685995	A2	-	-	-	88	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70140	Magnetic	389182	5685863	A2	-	-	-	62	Small asymmetric dipole seen in the magnetic data. No defined surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris. Located approximately 55 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70141	Debris	389182	5685833	A2	3.4	1.3	0.4	154	Dark reflector with height seen in the sidescan sonar data, appears partially buried, with an associated medium asymmetric dipole in the magnetic data that indicates more than one item. Slight mound seen in the bathymetric data. Located amongst a number of magnetic anomalies and bedforms. Indication of partially and buried ferrous debris. Located approximately 30 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70142	Magnetic	389186	5685935	A2	-	-	-	98	Small asymmetric dipole seen in the magnetic data. No defined surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris. Located close to a dark reflector (7016) seen in 2010, not seen in 2016 - potentially associated but not confirmed.		18	115580
70143	Magnetic	389188	5685849	A2	-	-	-	434	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris. Located approximately 40 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70144	Magnetic	389193	5686197	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70145	Debris	389209	5685822	A2	4.4	0.6	0.3	178	Dark reflector with height, seen in stretched data in the sidescan sonar data, with an associated medium asymmetric dipole in the magnetic data. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris. Located approximately 15 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris. Nothing seen at anomaly 7017 (UKHO) location, in the 2016 data.	15159 (UKHO)	18	115580



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		Easting	Northing									
70146	Magnetic	389210	5685852	A2	-	-	-	101	Medium symmetrical dipole seen in the magnetic data. No defined surficial representation in the sidescan sonar data, a small depression was seen in the bathymetry data at the same location unconfirmed if associated. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris. Located approximately 45 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70147	Debris	389213	5685826	A2	2.3	0.4	0.2	199	Elongated dark reflector with slight height over a small section of the object, indication of partial burial in the sidescan sonar, with an associated medium asymmetric dipole in the magnetic data. Small mound seen in the bathymetry data to indicate location, no greater object definition seen. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris. Located approximately 20 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris. Nothing seen at 7017 (UKHO) location in the 2016 data.	15159 (UKHO)	18	115580
70148	Magnetic	389213	5685972	A2	-	-	-	126	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70149	Magnetic	389220	5685909	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70150	Magnetic	389241	5685860	A2	-	-	-	50	Small asymmetric dipole seen on multiple lines in the magnetic data. No defined surficial representation. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris. Located approximately 65 m away from the recorded wreck of the Pisces, 7017 (15159 UKHO), possibly associated debris.	15159 (UKHO)	18	115580
70151	Magnetic	389254	5686144	A2	-	-	-	101	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one ferrous object.		18	115580
70152	Magnetic	389292	5685789	A2	-	-	-	157	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near bedforms. Indication of buried ferrous debris, near 70154 .		18	115580



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		Easting	Northing									
70153	Magnetic	389297	5686169	A2	-	-	-	138	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70154	Magnetic	389298	5685799	A2	-	-	-	769	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70152 , possibly associated.		18	115580
70155	Magnetic	389299	5686196	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70156	Magnetic	389304	5685865	A2	-	-	-	187	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70157	Magnetic	389306	5686182	A2	-	-	-	83	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70158	Magnetic	389307	5685893	A2	-	-	-	114	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects.		18	115580
70159	Debris	389308	5685672	A2	0.7	0.5	0.2	86	Small asymmetric dipole seen in the magnetic data. Close to a dark reflector with height seen in the sidescan sonar data, assumed associated or part of the same object, possibly partially buried. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris.		18	115580
70160	Magnetic	389325	5686161	A2	-	-	-	46	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70161	Magnetic	389337	5685647	A2	-	-	-	89	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70162	Magnetic	389342	5685838	A2	-	-	-	170	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object or a length of ferrous debris.		18	115580



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		Easting	Northing									
70163	Magnetic	389375	5685693	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70164	Magnetic	389384	5686015	A2	-	-	-	51	Small symmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70165	Magnetic	389389	5686046	A2	-	-	-	46	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70166	Magnetic	389389	5686093	A2	-	-	-	53	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70167	Magnetic	389401	5685844	A2	-	-	-	132	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70168	Magnetic	389402	5685974	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70169	Magnetic	389409	5685706	A2	-	-	-	54	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70170	Magnetic	389414	5686142	A2	-	-	-	497	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70171	Magnetic	389418	5685875	A2	-	-	-	87	Small symmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70172	Magnetic	389424	5685730	A2	-	-	-	145	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, appears in line with 70174 and 70172 .		18	115580
70173	Magnetic	389429	5686078	A2	-	-	-	73	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70174	Magnetic	389430	5685744	A2	-	-	-	161	Medium positive monopole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, appears in line with 70174 and 70172 .		18	115580
70175	Magnetic	389432	5686034	A2	-	-	-	60	Small symmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70176	Magnetic	389434	5685756	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, appears in line with 70174 and 70172 .		18	115580
70177	Magnetic	389440	5686100	A2	-	-	-	608	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms and rough ground. Indication of buried ferrous debris.		18	115580
70178	Magnetic	389446	5686136	A2	-	-	-	123	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70179	Debris	389466	5685881	A2	3.2	0.9	0.6	221	Number of magnetic anomalies seen in the magnetic data, of medium asymmetric dipoles, extending for approximately 30 m. A dark reflector with height can be seen in the sidescan sonar data, amongst an area of bedforms indicating partially buried ferrous debris. A small mound can be seen for the small section that is visible in the bathymetry.		18	115580
70180	Magnetic	389469	5686044	A2	-	-	-	465	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 70184 possibly associated.		18	115580
70181	Magnetic	389469	5685942	A2	-	-	-	68	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70182	Magnetic	389471	5685958	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70183	Magnetic	389473	5685927	A2	-	-	-	76	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70184	Magnetic	389475	5686056	A2	-	-	-	286	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 70180 possibly associated.		18	115580
70185	Magnetic	389489	5686004	A2	-	-	-	47	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms with a number of anomalies. Indication of buried ferrous debris.		18	115580
70186	Magnetic	389493	5686085	A2	-	-	-	139	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70187	Magnetic	389504	5685958	A2	-	-	-	69	Small almost symmetrical dipole seen in the magnetic data. No defined surficial representation, however close to a number of dark reflectors with height indicating rough ground amongst the bedforms, there is also a linear feature approximately 30 m in length (possible rope or seabed scar) located nearby seen on the sidescan sonar thought to be of recent anthropogenic activity. Magnetic anomaly may be associated. Located amongst a number of magnetic anomalies and bedforms, with rough ground. Indication of buried ferrous debris.		18	115580
70188	Magnetic	389525	5685877	A2	-	-	-	75	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70189	Magnetic	389527	5686048	A2	-	-	-	69	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70190	Magnetic	389532	5685698	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70191	Magnetic	389545	5685830	A2	-	-	-	76	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70192	Magnetic	389546	5685621	A2	-	-	-	84	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70193	Magnetic	389548	5685946	A2	-	-	-	48	Small symmetrical dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70194	Magnetic	389568	5686022	A2	-	-	-	47	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70195	Magnetic	389572	5686087	A2	-	-	-	96	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70196	Magnetic	389580	5685809	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70197	Magnetic	389587	5685789	A2	-	-	-	60	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70198	Magnetic	389592	5685951	A2	-	-	-	142	Medium negative monopole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70199	Debris	389601	5685881	A2	1.3	1	0.4	78	Dark reflector with height, next to a possible boulder, seen in the sidescan sonar data, with an associated magnetic anomaly; small asymmetric dipole. Indication of ferrous debris. A small mound seen in the bathymetry data, for position. Located amongst an area of bedforms and rough ground.		18	115580
70200	Magnetic	389603	5686012	A2	-	-	-	97	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70201	Debris	389619	5685843	A2	1.7	1.5	0.4	58	Dark reflector with height, with a nearby flat object, associated with a magnetic anomaly; small asymmetric dipole seen in the magnetic data. A mound can be seen in the bathymetry, but no further detail; position taken from the bathymetry. Located amongst bedforms and rough ground. Indication of ferrous debris, possibly partially buried.		18	115580



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		Easting	Northing									
70202	Magnetic	389620	5685934	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70203	Magnetic	389626	5685867	A2	-	-	-	62	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70204	Magnetic	389651	5685958	A2	-	-	-	48	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70205	Magnetic	389662	5685999	A2	-	-	-	66	Small symmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70206	Magnetic	389687	5685925	A2	-	-	-	50	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and bedforms. Indication of buried ferrous debris.		18	115580
70207	Magnetic	389710	5685985	A2	-	-	-	374	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris, close to 7022 .		18	115580
70208	Magnetic	389713	5685699	A2	-	-	-	117	Medium symmetric dipole, seen on a couple of lines in the magnetic data. No surficial representation. Located near a number of magnetic anomalies amongst bedforms. Indication of buried ferrous debris, next to 70209 , possibly associated.		18	115580
70209	Magnetic	389718	5685707	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70210	Magnetic	389726	5686007	A2	-	-	-	255	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris.		18	115580
70211	Magnetic	389734	5685997	A2	-	-	-	108	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris, close to 70207 and 70210 .		18	115580



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		Easting	Northing									
70212	Debris	389744	5685971	A2	3.1	1.1	0.3	51	Two curved or circular objects with shadows seen in the sidescan sonar data, associated with the small positive monopole seen in the magnetic data, indicating ferrous debris. Located amongst an area of bedforms and a number of other magnetic anomalies.		18	115580
70213	Magnetic	389749	5685763	A2	-	-	-	294	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70214	Magnetic	389771	5685461	A2	-	-	-	66	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70215	Magnetic	389778	5685986	A2	-	-	-	186	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object, close to 7027 .		18	115580
70216	Magnetic	389819	5685979	A2	-	-	-	64	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70217	Magnetic	389821	5685741	A2	-	-	-	127	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70218 .		18	115580
70218	Magnetic	389827	5685719	A2	-	-	-	1406	Large slightly asymmetric anomaly seen on multiple lines in the magnetic data. Located amongst a number of magnetic anomalies and bedforms. Indication of buried ferrous debris, possibly a number of items or a length of debris. Close to 70217 .		18	115580
70219	Magnetic	389844	5685451	A2	-	-	-	101	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7024 .		18	115580
70220	Magnetic	389858	5685539	A2	-	-	-	116	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7024 .		18	115580
70221	Magnetic	389864	5685595	A1	-	-	-	4018	Very large symmetric dipole seen in many lines in the magnetic data, over approximately 30 m. No associated surficial representation. Wreck 7024 lies approx. 130 m away. Located amongst bedforms. Indication of buried ferrous debris, indication of a group of objects, close to 70222 , possibly associated.		18	115580



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		Easting	Northing									
70222	Magnetic	389877	5685622	A2	-	-	-	159	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near to 70221 .		18	115580
70223	Magnetic	389878	5685418	A2	-	-	-	50	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to wreck 7024 (85569 UKHO) possibly associated.	85569 (UKHO)	18	115580
70224	Magnetic	389879	5685555	A2	-	-	-	554	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one item, near to 70220 and 7024 .		18	115580
70225	Debris	389905	5685417	A2	3.1	0.9	0.5	56	Dark reflector with height seen in the sidescan sonar data, appears to have a straight side and possibly be partially buried. Associated magnetic anomaly as a small asymmetric dipole seen in the magnetic data. A mound can also be seen in the multibeam bathymetry data, providing the location; however no object further defined. Located amongst an area of bedforms. Close to a wreck, 7024 (approx. 150 m). Indication of partially buried ferrous debris.		18	115580
70226	Magnetic	389937	5685492	A2	-	-	-	53	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris, next to 70227 and possibly associated collection of buried debris.		18	115580
70227	Magnetic	389945	5685508	A2	-	-	-	282	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to and possibly associated with 70226 .		18	115580
70228	Magnetic	389957	5685914	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7022 .		18	115580
70229	Magnetic	389961	5685788	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7022 .		18	115580
70230	Magnetic	389969	5685721	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70231	Magnetic	389975	5685628	A2	-	-	-	102	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70232	Magnetic	389983	5685536	A2	-	-	-	78	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects.		18	115580
70233	Magnetic	389992	5685507	A2	-	-	-	69	Small asymmetric dipole with one double peak in the magnetic data. No surficial representation. Amongst an area of magnetic anomalies and bedforms. Indication of buried ferrous debris.		18	115580
70234	Magnetic	389992	5685874	A2	-	-	-	261	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item, close to 7022 .		18	115580
70235	Magnetic	390004	5685801	A2	-	-	-	130	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near and possibly associated with 70240 .		18	115580
70236	Magnetic	390034	5685812	A2	-	-	-	88	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70237	Magnetic	390042	5685378	A2	-	-	-	200	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, appears as more than one item or a length of ferrous debris.		18	115580
70238	Magnetic	390068	5685474	A2	-	-	-	740	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70239	Magnetic	390074	5685522	A2	-	-	-	289	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris.		18	115580
70240	Magnetic	390078	5685782	A2	-	-	-	317	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, next to 70242 possibly associated.		18	115580
70241	Magnetic	390081	5685318	A2	-	-	-	529	Medium asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580



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		Easting	Northing									
70242	Magnetic	390088	5685773	A2	-	-	-	175	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, next to 70240 possibly associated.		18	115580
70243	Debris	390100	5685458	A2	7.2	0.9	0.4	414	Medium asymmetric dipole seen in the magnetic data. Associated with a dark reflector with height, appears both flat and with height, indicating that the object is likely partially buried as seen in the sidescan sonar data. Slight mound seen in the multibeam to indicate position, but no defined object. Located amongst an area of bedforms. Close to 70238 . Indication of partially buried ferrous debris.		18	115580
70244	Magnetic	390102	5685659	A2	-	-	-	80	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70245	Magnetic	390104	5685686	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70246	Magnetic	390111	5685703	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70247	Magnetic	390123	5685715	A2	-	-	-	47	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70248	Magnetic	390145	5685570	A2	-	-	-	130	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70249	Magnetic	390147	5685833	A2	-	-	-	123	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70250	Magnetic	390148	5685706	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580



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		Easting	Northing									
70251	Magnetic	390174	5685286	A2	-	-	-	64	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70252	Magnetic	390178	5685507	A2	-	-	-	737	Medium asymmetric dipole seen in the magnetic data, with a number of smaller peaks seen indicating potential for a collection of objects or positional offset. No surficial representation. Located amongst bedforms. Indication of a group or length of buried ferrous debris.		18	115580
70253	Magnetic	390185	5685373	A2	-	-	-	84	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70254	Magnetic	390197	5685411	A2	-	-	-	92	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70255	Magnetic	390200	5685479	A2	-	-	-	152	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70256	Magnetic	390209	5685681	A2	-	-	-	200	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70257	Magnetic	390228	5685543	A2	-	-	-	87	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70258	Magnetic	390246	5685447	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70259	Magnetic	390254	5685697	A2	-	-	-	57	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70260	Magnetic	390269	5685739	A2	-	-	-	359	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris, possibly more than one item.		18	115580
70261	Magnetic	390271	5685491	A2	-	-	-	144	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70262	Magnetic	390273	5685521	A2	-	-	-	131	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70263	Magnetic	390285	5685471	A2	-	-	-	128	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70264	Magnetic	390305	5685340	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70267 .		18	115580
70265	Magnetic	390308	5685663	A2	-	-	-	536	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70266	Magnetic	390309	5685395	A2	-	-	-	96	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to and possibly associated with 70268 .		18	115580
70267	Magnetic	390310	5685355	A2	-	-	-	246	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70267 .		18	115580
70268	Magnetic	390314	5685410	A2	-	-	-	110	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to or associated with 70266 .		18	115580



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		Easting	Northing									
70269	Magnetic	390328	5685221	A2	-	-	-	453	Main anomaly of a medium asymmetric dipole seen in the magnetic data, with a couple of smaller peaks seen. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item, or a length of debris. Close to 70269, possibly associated.		18	115580
70270	Magnetic	390336	5685540	A2	-	-	-	366	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70271	Magnetic	390337	5685268	A2	-	-	-	261	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item, near 70269 possibly associated.		18	115580
70272	Magnetic	390363	5685435	A2	-	-	-	131	Medium symmetric and asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, appears to be a length of ferrous debris or more than one object.		18	115580
70273	Magnetic	390366	5685710	A2	-	-	-	175	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Close to a number of anomalies. Indication of buried ferrous debris, with slight potential to be influenced by the underlying geology.		18	115580
70274	Magnetic	390375	5685505	A2	-	-	-	43	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70275 .		18	115580
70275	Magnetic	390377	5685523	A2	-	-	-	350	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris, possibly more than one item.		18	115580
70276	Magnetic	390399	5685605	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70277	Magnetic	390406	5685621	A2	-	-	-	105	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70278	Magnetic	390410	5685356	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70279	Magnetic	390427	5685677	A2	-	-	-	76	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70280	Magnetic	390435	5685352	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70281	Magnetic	390460	5685577	A2	-	-	-	45	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70282	Magnetic	390470	5685553	A2	-	-	-	69	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70283	Magnetic	390516	5685531	A2	-	-	-	92	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70284	Magnetic	390528	5685654	A2	-	-	-	152	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70285	Magnetic	390564	5685169	A2	-	-	-	1078	Large very asymmetric dipole seen in the magnetic data, with a number of smaller anomalies trailing off for approximately 50 m. No surficial representation. Located amongst an area of bedforms. Indication of buried linear ferrous debris.		18	115580
70286	Magnetic	390574	5685371	A2	-	-	-	452	Main anomaly of a medium asymmetric dipole seen in the magnetic data, with a couple of smaller peaks seen. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70287	Magnetic	390585	5685228	A2	-	-	-	299	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70289 .		18	115580
70288	Debris	390594	5685476	A2	0.3	1.2	0.1	201	Circular dark reflector seen in the bedforms in the sidescan sonar, associated with a medium asymmetric dipole. No definitive outline seen in the multibeam data. Located amongst an area of bedforms. Indication of partially buried ferrous debris.		18	115580



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		Easting	Northing									
70289	Magnetic	390604	5685230	A2	-	-	-	75	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70287 .		18	115580
70290	Magnetic	390611	5685530	A2	-	-	-	132	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris close to 70291 .		18	115580
70291	Magnetic	390632	5685532	A2	-	-	-	363	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris, possibly more than one object, close to 70290 .		18	115580
70292	Magnetic	390634	5685286	A2	-	-	-	273	Medium positive monopole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70293	Magnetic	390658	5685158	A2	-	-	-	333	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris, possibly more than one item.		18	115580
70294	Magnetic	390664	5685599	A2	-	-	-	164	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70295	Magnetic	390675	5685220	A2	-	-	-	150	Medium negative monopole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70296	Magnetic	390690	5685339	A2	-	-	-	87	Two small asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly two items likely associated.		18	115580
70297	Magnetic	390702	5685567	A2	-	-	-	66	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70298	Magnetic	390727	5685233	A2	-	-	-	75	Small asymmetric dipole, almost positive monopole, seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70299	Magnetic	390748	5685401	A2	-	-	-	100	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70300	Magnetic	390771	5685494	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70301	Magnetic	390773	5685388	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70302	Magnetic	390823	5685413	A2	-	-	-	164	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70303	Magnetic	390824	5684999	A2	-	-	-	82	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70304	Magnetic	390828	5685478	A2	-	-	-	77	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70305	Magnetic	390834	5685440	A2	-	-	-	181	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object, close to 70306 .		18	115580
70306	Magnetic	390840	5685451	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70305 .		18	115580
70307	Magnetic	390852	5685386	A2	-	-	-	152	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70308	Magnetic	390861	5685433	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a couple of items.		18	115580
70309	Magnetic	390865	5684969	A2	-	-	-	82	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70310	Magnetic	390874	5685460	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70311	Magnetic	390892	5685108	A2	-	-	-	91	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70312	Magnetic	390897	5685120	A2	-	-	-	68	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70313	Magnetic	390925	5685098	A2	-	-	-	49	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70314	Magnetic	390934	5685109	A2	-	-	-	139	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris, appears to be a number of objects.		18	115580
70315	Magnetic	390938	5685134	A2	-	-	-	121	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70316	Magnetic	390961	5684936	A2	-	-	-	465	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70317	Magnetic	390962	5685129	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70318	Magnetic	390969	5685093	A2	-	-	-	114	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near a number of anomalies amongst bedforms. Indication of buried ferrous debris.		18	115580
70319	Magnetic	390977	5685107	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70320	Magnetic	390987	5684936	A2	-	-	-	60	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70321	Magnetic	390993	5685126	A2	-	-	-	83	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70322	Debris	390996	5685450	A2	2.2	4.1	0.3	315	Medium very asymmetric dipole seen in the magnetic data associated with an undefined dark reflector with height seen in the sidescan sonar data. Located amongst an area of bedforms. Indicating ferrous debris, possibly partially buried.		18	115580
70323	Magnetic	390997	5685271	A2	-	-	-	87	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70324	Magnetic	391011	5685415	A2	-	-	-	175	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70325	Magnetic	391049	5685064	A2	-	-	-	66	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70326	Magnetic	391051	5685311	A2	-	-	-	77	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70327	Magnetic	391069	5685120	A2	-	-	-	143	Medium asymmetrical dipole seen on a number of lines in the magnetic data, potentially positioning offset seen in the grid or a collection of ferrous objects. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris.		18	115580
70328	Magnetic	391088	5685393	A2	-	-	-	52	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70329	Magnetic	391111	5685399	A2	-	-	-	97	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70330	Magnetic	391151	5684951	A2	-	-	-	376	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects; near 70331 , 70333 , 70334 and 70336 , possibly associated.		18	115580
70331	Magnetic	391155	5684972	A2	-	-	-	134	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects; near 70330 , 70333 , 70334 and 70336 , possibly associated.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70332	Magnetic	391173	5685143	A2	-	-	-	81	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects, close to 7027 .		18	115580
70333	Magnetic	391179	5684936	A2	-	-	-	340	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects; near 70330 , 70331 , 70334 and 70336 , possibly associated.		18	115580
70334	Magnetic	391196	5684949	A2	-	-	-	93	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects; near 70330 , 70331 , 70333 and 70336 , possibly associated.		18	115580
70335	Magnetic	391197	5685081	A2	-	-	-	184	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object, close to 7027 .		18	115580
70336	Magnetic	391229	5684938	A2	-	-	-	258	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects; near 70330 , 70331 , 70333 and 70334 , possibly associated.		18	115580
70337	Magnetic	391235	5685340	A2	-	-	-	442	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70338	Magnetic	391250	5684850	A2	-	-	-	77	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70339	Magnetic	391281	5685305	A2	-	-	-	221	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70340	Magnetic	391297	5685236	A2	-	-	-	69	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70341	Magnetic	391298	5685288	A2	-	-	-	139	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70342	Magnetic	391304	5684973	A2	-	-	-	105	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70343	Magnetic	391312	5685146	A2	-	-	-	76	Small positive monopole, almost asymmetric dipole, in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris, near to and possibly associated with 7027 .		18	115580
70344	Magnetic	391316	5685241	A2	-	-	-	131	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70345	Magnetic	391319	5685165	A2	-	-	-	111	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, near to 7027 .		18	115580
70346	Magnetic	391342	5685144	A2	-	-	-	1585	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris. Close to 7027 , possibly associated.		18	115580
70347	Magnetic	391350	5684867	A2	-	-	-	82	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms, at the peak of one. Indication of buried ferrous debris, near 70350 .		18	115580
70348	Magnetic	391357	5685197	A2	-	-	-	406	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst an area of bedforms. Indication of buried ferrous debris, possibly more than one, or slight positional offset. Close to 7027 .		18	115580
70349	Magnetic	391357	5685063	A2	-	-	-	61	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 7027 and 7028 .		18	115580
70350	Magnetic	391380	5684885	A2	-	-	-	850	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70351	Magnetic	391394	5684929	A2	-	-	-	97	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70352	Magnetic	391417	5685166	A2	-	-	-	213	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris, possibly more than one item.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70353	Magnetic	391430	5684914	A2	-	-	-	602	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70354	Magnetic	391457	5685013	A2	-	-	-	71	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70355	Debris	391471	5685284	A2	4.8	1.3	0.2	686	Medium asymmetric dipole seen in the magnetic data. Associated with an indistinct dark reflector with height seen in the sidescan sonar. Located amongst an area of bedforms. Indication of the presence of ferrous debris, possibly partially buried.		18	115580
70356	Magnetic	391477	5684811	A2	-	-	-	67	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70357	Magnetic	391483	5685249	A2	-	-	-	107	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70358	Magnetic	391496	5684942	A2	-	-	-	678	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70359	Magnetic	391521	5685249	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70360	Magnetic	391559	5685179	A2	-	-	-	163	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70361	Magnetic	391607	5685019	A2	-	-	-	213	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		18	115580
70362	Magnetic	391630	5685099	A2	-	-	-	1830	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms and linear seabed scars. Indication of buried ferrous debris.		18	115580
70363	Magnetic	391639	5685034	A2	-	-	-	80	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects.		18	115580



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		Easting	Northing									
70364	Magnetic	391643	5685166	A2	-	-	-	300	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70365	Magnetic	391681	5684914	A2	-	-	-	130	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 7031 .		18	115580
70366	Magnetic	391684	5684941	A2	-	-	-	463	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70367	Magnetic	391718	5684849	A2	-	-	-	744	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70368	Magnetic	391741	5685253	A2	-	-	-	132	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70369	Magnetic	391758	5684975	A2	-	-	-	232	Medium asymmetric dipole seen in the magnetic data, in line with magnetic variance thought to be the underlying geology. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, near 7033 .		18	115580
70370	Magnetic	391758	5685179	A2	-	-	-	164	Medium asymmetric dipole seen in the magnetic data, in line with background magnetic variance believed to be the underlying geology. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70371	Magnetic	391781	5685185	A2	-	-	-	260	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70372	Magnetic	391806.4	5684913.8	A2	-	-	-	198	Medium asymmetric dipole seen in the magnetic data, in line with magnetic variance thought to be the underlying geology. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70373	Debris	391856	5684933	A2	1	0.2	0.4	253	Medium asymmetric dipole seen in the magnetic data. Associated with an indistinct dark reflector with height seen in the sidescan sonar data that may be part of partially buried object. Located amongst an area of bedforms, close to 7033 and may be associated. Indication of partially buried ferrous debris.		18	115580



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		Easting	Northing									
70374	Magnetic	392005	5684999	A2	-	-	-	302	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item.		18	115580
70375	Magnetic	392026	5685143	A2	-	-	-	135	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms and background magnetic variance indicating underlying geology. Indication of buried ferrous debris.		18	115580
70376	Magnetic	392027	5685129	A2	-	-	-	194	Medium asymmetric dipole seen in the magnetic data, in line with the background magnetic variance linked to the underlying geology. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70377	Magnetic	392066	5685020	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70380 .		18	115580
70378	Magnetic	392089	5685198	A2	-	-	-	246	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 70379 possibly associated.		18	115580
70379	Magnetic	392090	5685209	A2	-	-	-	225	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 70378 possibly associated.		18	115580
70380	Magnetic	392093	5685023	A2	-	-	-	168	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70381	Magnetic	392101	5684859	A2	-	-	-	64	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70382	Magnetic	392123	5685235	A2	-	-	-	90	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70383	Magnetic	392128	5685035	A2	-	-	-	88	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to and possibly associated with 70384 ; near 70380 .		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70384	Magnetic	392137	5685028	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70383 .		18	115580
70385	Magnetic	392155	5684841	A2	-	-	-	51	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70386	Magnetic	392162	5685086	A2	-	-	-	695	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70387	Magnetic	392238	5685120	A2	-	-	-	90	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, near to 70289 .		18	115580
70388	Magnetic	392269	5685235	A2	-	-	-	436	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70389	Magnetic	392325	5684786	A2	-	-	-	131	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70390	Magnetic	392329	5684845	A2	-	-	-	43	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70391	Magnetic	392341	5685216	A2	-	-	-	117	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70392	Debris	392382	5684974	A1	2.8	1.8	0.4	9596	Dark reflector appearing circular, with height seen amongst the bedforms in the sidescan sonar data. Not defined in the bathymetry. Associated magnetic anomaly seen in the magnetic data; as a very large asymmetric dipole seen on multiple lines. Potentially partially buried ferrous debris.		18	115580
70393	Magnetic	392383	5685131	A2	-	-	-	100	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70394	Debris	392401	5684784	A2	5.1	1.5	0.2	96	Thick dark linear reflector (oblong in shape) with height seen in the sidescan sonar with an associated magnetic anomaly seen in the magnetic data as a small asymmetric dipole. Indication of ferrous debris, possibly partially buried. Located amongst an area of dunes.		18	115580
70395	Magnetic	392433	5684832	A2	-	-	-	100	Small asymmetric dipole seen in the magnetic data, with an extended positive peak. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70396	Magnetic	392439	5684949	A2	-	-	-	584	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70397	Magnetic	392449	5685052	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70398	Magnetic	392451	5685105	A2	-	-	-	400	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms and background magnetic variance indicating underlying geology. Indication of buried ferrous debris, possibly more than one item.		18	115580
70399	Seafloor disturbance	392473	5684999	A2	6.5	1.4	0.3	-	Small dark reflector with shadow, and a break in the bedforms with a change in acoustic reflectivity, seen in the sidescan sonar data as an isolated feature in an area of bedforms. Some magnetic variance is seen in the magnetic grid but smaller than the threshold used for this dataset. Seen as a disturbance in the bedforms in the bathymetry data. Possibly just a seafloor disturbance, but may be an indication of buried low-ferrous debris.		18	115580
70400	Magnetic	392474	5685197	A2	-	-	-	213	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		18	115580
70401	Magnetic	392496	5684891	A2	-	-	-	116	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, that appears to align with the background variance.		18	115580
70402	Magnetic	392500	5685223	A2	-	-	-	230	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70403	Magnetic	392510	5684856	A2	-	-	-	64	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70404	Dark reflector	392518	5684786	A2	11.1	0.3	0.4	-	Curvilinear dark reflector with height seen in the sidescan sonar data amongst stretching in the data, on the edge of the data so less coverage. No associated magnetic anomaly so non-ferrous in nature. Located on the edge of an area of bedforms.		18	115580
70405	Magnetic	392581	5685025	A2	-	-	-	86	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70406	Magnetic	392625	5685086	A2	-	-	-	871	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70407	Magnetic	392627	5685178	A2	-	-	-	113	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, that appears to align with the background variance.		18	115580
70408	Magnetic	392666	5685151	A2	-	-	-	108	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, that appears to align with the background variance.		18	115580
70409	Magnetic	392684	5685087	A2	-	-	-	67	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms and background magnetic variance indicating underlying geology. Indication of buried ferrous debris.		18	115580
70410	Magnetic	392686	5684871	A2	-	-	-	91	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70411	Magnetic	392813	5685133	A2	-	-	-	231	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70412	Magnetic	392837	5685016	A2	-	-	-	323	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms and background magnetic variance indicating underlying geology. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70413	Magnetic	392841	5685250	A2	-	-	-	46	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70414	Magnetic	392895	5685006	A2	-	-	-	742	Medium asymmetric dipole seen in the magnetic data, in line with magnetic variance indicating underlying geology. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		18	115580
70415	Debris	392928	5685304	A2	10.3	0.9	0.2	196	Medium asymmetric dipole seen in the magnetic data, appears associated with dark reflectors with height seen in the sidescan sonar data (amongst some motion and stretching). Indicates potential debris, possibly partially buried. No clear structure definition. Located amongst minor bedforms and fine sediment.		18	115580
70416	Magnetic	392938	5685043	A2	-	-	-	75	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70417	Debris	392947	5685184	A1	1.7	0.5	0.3	6424	Very large asymmetric dipole seen in the magnetic data, with a small dark reflector with height close to the location possibly associated or a small section of a larger item partially buried. Located amongst fine sediment and minor bedforms. Close to 7036 (22 m apart), possibly associated. Indication of buried or partially buried ferrous debris.		18	115580
70418	Magnetic	392955	5684827	A2	-	-	-	95	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70419	Debris	392975	5684986	A2	12.2	0.9	0.1	124	Elongated dark reflector with height seen in the sidescan sonar data. Associated magnetic anomaly seen in the magnetic data as a medium symmetric dipole, in line with the background magnetic variance indicating underlying geology. Indication of potential partially buried ferrous debris. Located amongst fine sediment.		18	115580
70420	Magnetic	392985	5685156	A2	-	-	-	583	Medium very asymmetric dipole seen in the magnetic data. Located close to some dark reflectors with height, that appear natural. Located amongst minor bedforms and fine sediment. Indication of buried ferrous debris.		18	115580
70421	Magnetic	392988	5684881	A2	-	-	-	42	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70422	Magnetic	392996	5684836	A2	-	-	-	82	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70423	Magnetic	393009	5684925	A2	-	-	-	146	Couple of medium asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 7038 .		18	115580
70424	Magnetic	393017	5685307	A2	-	-	-	197	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70425	Magnetic	393095	5685230	A2	-	-	-	95	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70426	Magnetic	393110	5685228	A2	-	-	-	61	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		18	115580
70427	Magnetic	393135	5684864	A2	-	-	-	98	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70428	Magnetic	393174	5685263	A2	-	-	-	84	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70429	Magnetic	393189	5685099	A2	-	-	-	391	Medium asymmetric dipole seen over a number of lines, covering an area of approximately 25 m in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, may be a number of items or some positional offset.		18	115580
70430	Magnetic	393197	5685012	A2	-	-	-	50	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580
70431	Magnetic	393202	5685147	A2	-	-	-	145	Couple of medium asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one object.		18	115580
70432	Magnetic	393218	5685063	A2	-	-	-	214	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		18	115580



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		Easting	Northing									
70433	Magnetic	393476	5685136	A2	-	-	-	557	Medium asymmetric dipole seen in the magnetic data. No associated surficial representation. Located amongst minor bedforms and rough ground. Indication of buried ferrous debris.		17	115580
70434	Magnetic	393918	5685190	A2	-	-	-	44	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70435	Magnetic	394080	5685154	A2	-	-	-	91	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70436	Magnetic	394083	5685249	A2	-	-	-	173	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one object.		17	115580
70437	Magnetic	394087	5685235	A2	-	-	-	50	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70438	Magnetic	394114	5685206	A2	-	-	-	194	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70439	Magnetic	394123	5685184	A2	-	-	-	228	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70440	Magnetic	394156	5685225	A2	-	-	-	92	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70441	Magnetic	394442	5685303	A2	-	-	-	64	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70442	Magnetic	394534	5685255	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70443	Magnetic	394776	5685315	A2	-	-	-	67	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580



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		Easting	Northing									
70444	Magnetic	394794	5685304	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, near exclusion zone 7047 noted in the WSI (approximately 60 m away), possibly associated.		17	115580
70445	Magnetic	394950	5685357	A2	-	-	-	132	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 70446 .		17	115580
70446	Magnetic	394975	5685360	A2	-	-	-	440	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70447	Magnetic	395186	5685446	A2	-	-	-	46	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms and rough ground. Indication of buried ferrous debris.		17	115580
70448	Magnetic	395213	5685400	A2	-	-	-	214	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70449	Magnetic	395289	5685382	A2	-	-	-	90	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70450	Magnetic	395297	5685380	A2	-	-	-	287	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70451	Magnetic	395468	5685426	A2	-	-	-	88	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70452	Magnetic	395474	5685412	A2	-	-	-	386	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 70451 .		17	115580
70453	Magnetic	395515	5685462	A2	-	-	-	92	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70454	Magnetic	395565	5685450	A2	-	-	-	120	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580



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		Easting	Northing									
70455	Magnetic	395570	5685500	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. Located amongst minor bedforms. No surficial representation, but a linear feature, possible rope or seabed scar approximately 30 m in length, can be seen nearby in the sidescan sonar data; the magnetic anomaly appears to be at the end of this feature. Indication of buried ferrous debris that may be linked to the feature (low confidence) with a small potential of an artefact due to the change in seabed morphology.		17	115580
70456	Magnetic	395897	5685527	A2	-	-	-	69	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70457	Debris	395907	5685566	A2	5.7	0.2	0.1	398	Linear dark reflector with height seen in the sidescan sonar data. Associated medium asymmetric dipole seen in the magnetic data. Likely partially buried ferrous debris.		17	115580
70458	Magnetic	396009	5685502	A2	-	-	-	1103	Large asymmetric dipole seen in the magnetic data. No defined surficial representation. Located amongst minor bedforms, indicating buried ferrous debris.	75358 (UKHO)	17	115580
70459	Magnetic	396041	5685567	A2	-	-	-	724	Two magnetic anomalies seen over a number of lines identified as large symmetric and asymmetric dipoles. No surficial representation. Located amongst minor bedforms and rough ground, indicating potential buried ferrous debris, possibly more than one item.		17	115580
70460	Magnetic	396054	5685572	A2	-	-	-	113	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to 70459 .		17	115580
70461	Magnetic	396058	5685562	A2	-	-	-	233	Medium negative monopole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, close to and possibly associated with (or positional offset) 70459 .		17	115580
70462	Magnetic	396163	5685589	A1	-	-	-	3457	Very large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst some minor bedforms indicating buried ferrous debris.		17	115580
70463	Magnetic	396245	5685629	A2	-	-	-	82	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst slightly roughened seabed. Potentially indistinct or buried ferrous debris.		17	115580



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		Easting	Northing									
70464	Debris	396286	5685607	A2	3.1	0.6	0.1	124	Dark rectangular reflector with height seen in the sidescan sonar data with associated medium asymmetric dipole. Apparent ferrous debris.		17	115580
70465	Magnetic	396312	5685596	A2	-	-	-	74	Small asymmetric dipole seen in the magnetic data. No apparent surficial representation. Indication of buried ferrous debris, close to a long linear anomaly, with a number of magnetic anomalies potentially associated (7052, 70467, 70469, 70468, 70470 and 70471).		17	115580
70466	Magnetic	396317	5685666	A2	-	-	-	251	Two medium asymmetric dipoles seen in the magnetic data. Appear to be the same anomaly but slightly offset, potential for more than one object or positional error. No distinct surficial representation. Located amongst minor bedforms and slightly rough seabed. Possible buried ferrous debris.		17	115580
70467	Debris	396369	5685647	A2	1.3	0.4	0.4	707	A medium asymmetric dipole seen in the magnetic data, with a dark reflector with height and possibly scour or more complex structure seen in the sidescan sonar data. May be potential partially buried debris associated with the debris and long linear object, rope / chain seen nearby (7052).		17	115580
70468	Magnetic	396377	5685596	A2	-	-	-	267	Medium asymmetric dipole seen in the magnetic data. No apparent surficial representation. Indication of buried ferrous debris, close to a long linear anomaly (70532), with a number of magnetic anomalies potentially associated (70465, 70467, 70469, 70470 and 70471).		17	115580
70469	Magnetic	396384	5685673	A2	-	-	-	981	Large asymmetric dipole seen in the magnetic data. No apparent surficial representation. Indication of buried ferrous debris, close to a long linear anomaly, with a number of magnetic anomalies potentially associated (7052, 70465 70467, 70468, 70470, 70471).		17	115580
70470	Magnetic	396389	5685611	A2	-	-	-	51	Small asymmetric dipole seen in the magnetic data. No apparent surficial representation. Indication of buried ferrous debris, close to a long linear anomaly, with a number of magnetic anomalies potentially associated (7052, 70465 70467, 70469, 70468, 70471).		17	115580
70471	Magnetic	396399	5685630	A2	-	-	-	74	Small asymmetric dipole seen in the magnetic data. No apparent surficial representation. Indication of buried ferrous debris, close to a long linear anomaly, with a number of magnetic anomalies potentially associated (7052, 70465 70467, 70469, 70468 and 70470).		17	115580



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		Easting	Northing									
70472	Magnetic	396430	5685682	A2	-	-	-	1812	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Potentially indistinct or buried ferrous debris. Close to 70473 , do not look like the same object on the magnetic profiles but possibly linked, at least two objects lying next to each other.		17	115580
70473	Magnetic	396446	5685683	A1	-	-	-	2121	Very large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst slightly roughened seabed. Near to a linear feature seen in the magnetic data and a number of other anomalies. Indicative of buried ferrous debris.		17	115580
70474	Magnetic	396465	5685696	A2	-	-	-	136	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70475	Magnetic	396480	5685711	A2	-	-	-	89	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70476	Magnetic	396483	5685695	A2	-	-	-	92	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70477	Magnetic	396541	5685721	A2	-	-	-	244	Medium asymmetric dipole, almost positive monopole, seen in the magnetic data. No defined surficial representation. Located amongst slightly roughened ground. Indicating buried ferrous debris.		17	115580
70478	Rope / chain	396543	5685673	A2	9.9	0.7	0.2	106	Dark linear reflector with height seen in the sidescan sonar data, associated with a magnetic anomaly at the same position, seen as a medium asymmetric dipole in the magnetic data. Possibly a section of chain or rope, or a seabed scar with further ferrous items buried amongst the bedforms. Located near to 70479 and 7055 , may be associated.		17	115580
70479	Magnetic	396559	5685658	A2	-	-	-	510	Medium asymmetric dipole seen in the magnetic data. Located amongst an area of bedforms. No surficial representation seen, however close to 70478 , a linear dark reflector indicating rope/chain, may be associated buried ferrous debris.		17	115580
70480	Debris	396615	5685675	A2	1.6	0.2	0.1	210	A medium asymmetric dipole seen in the magnetic data, with a potentially associated small dark reflector seen in the sidescan sonar data. Located amongst bedforms. Indistinct ferrous debris likely buried or partially buried.		17	115580



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		Easting	Northing									
70481	Magnetic	396647	5685742	A2	-	-	-	125	Medium symmetric and asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near 7058 , possibly associated.		17	115580
70482	Magnetic	396720	5685747	A2	-	-	-	154	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground and minor bedforms. Indication of buried ferrous debris.		17	115580
70483	Magnetic	396728	5685717	A2	-	-	-	464	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one item.		17	115580
70484	Magnetic	396784	5685831	A2	-	-	-	105	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms, in the trough of a large bedform. Indication of buried ferrous debris.		17	115580
70485	Magnetic	396799	5685782	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70486	Magnetic	396802	5685837	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70487	Magnetic	396839	5685755	A2	-	-	-	526	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70488	Magnetic	396859	5685772	A2	-	-	-	57	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70489	Debris	396885	5685854	A2	2.1	0.3	0.2	89	Small asymmetric dipole seen in the magnetic data, appears associated with a small dark reflector with height in the sidescan sonar data. Indication of ferrous debris, possibly partially buried. Located on the ridge of a large bedform.		17	115580
70490	Magnetic	396904	5685850	A2	-	-	-	158	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70491	Magnetic	396981	5685867	A2	-	-	-	293	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms, indicating potentially buried ferrous debris.		17	115580



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		Easting	Northing									
70492	Magnetic	397102	5685857	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70493	Magnetic	397103	5685915	A2	-	-	-	571	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70494	Magnetic	397145	5685881	A2	-	-	-	82	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70495	Magnetic	397197	5685915	A2	-	-	-	1811	Large asymmetric dipole seen in magnetic data. Consisting of two anomalies approximately 15 m in length, which appear associated. No surface representation. Located amongst an area of bedforms, indicating a collection of buried ferrous debris.		17	115580
70496	Magnetic	397221	5685891	A2	-	-	-	65	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70497	Magnetic	397314	5686016	A2	-	-	-	124	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects or positional offset.		17	115580
70498	Magnetic	397333	5685958	A2	-	-	-	229	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		17	115580
70499	Magnetic	397353	5685987	A2	-	-	-	503	Medium asymmetric dipoles seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one object.		17	115580
70500	Magnetic	397361	5685952	A2	-	-	-	93	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		17	115580
70501	Magnetic	399068	5686428	A2	-	-	-	340	Medium asymmetric dipole seen in the magnetic data. Close to a linear feature seen in the magnetic data that was identified in 2010 as 7066 now removed from the dataset due to interpretation in current dataset as modern (rope/chain/discarded cable). No surficial representation is seen with the presence of bedforms. Indication of buried ferrous debris.		16	115580



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		Easting	Northing									
70502	Magnetic	399091	5686479	A2	-	-	-	84	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70503	Magnetic	399268	5686442	A2	-	-	-	79	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70504	Magnetic	399281	5686424	A2	-	-	-	48	Small positive seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70505	Rope / chain	399364	5686425	A2	18.3	0.4	-	-	Dark linear reflector seen along track amongst minor bedforms in the sidescan sonar data. No associated magnetic anomaly, but magnetic variance seen in the area. Indicating low or non-ferrous debris, potentially rope. Located near to 70507 , a section of rope/chain.		16	115580
70506	Debris	399395	5686391	A2	3	1	0.4	-	Dark reflector with height of unusual shape seen in the sidescan sonar data. No associated magnetic anomaly, although some slight changes seen in the magnetic grid. Indicating non-ferrous debris, or natural. Near to some linear dark reflectors seen in the sidescan sonar (70505 and 70507).		16	115580
70507	Rope / chain	399416	5686411	A2	6.8	0.4	-	-	Dark linear reflector seen amongst minor bedforms in the sidescan sonar data. No associated magnetic anomaly, but magnetic variance seen in the area. Indicating low or non-ferrous debris, potentially rope. Located near to 70505 , a section of rope/chain.		16	115580
70508	Magnetic	399421	5686450	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70509	Dark reflector	399499	5686389	A2	3.2	1	0.3	-	Dark reflector with height, indicating an angular almost oblong shape. No associated magnetic anomaly indicating no ferrous content.		16	115580
70510	Magnetic	399646	5686446	A2	-	-	-	278	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70511	Debris	399795	5686471	A2	1.7	0.8	0.2	467	Indistinct dark reflector with height seen in the sidescan sonar data, no defined shape apparent to indicate origin of the debris. At location of a medium asymmetric dipole seen in the magnetic data. Located amongst minor bedforms. Indication of ferrous debris.		16	115580
70512	Magnetic	399842	5686395	A2	-	-	-	518	Medium almost symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris. Close to 70513 .		16	115580
70513	Magnetic	399846	5686404	A2	-	-	-	203	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, next to 70512 possibly associated.		16	115580
70514	Debris	399847	5686426	A2	1.4	0.6	0.4	466	Dark reflector with height, appears curved, seen in the sidescan sonar data with slight disturbance around it. Associated with a medium asymmetric dipole seen in the magnetic data. Object looks like it could be a boulder, however magnetic variance indicates otherwise.		16	115580
70515	Magnetic	399907	5686409	A2	-	-	-	147	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70516	Dark reflector	399936	5686396	A2	2.8	1.7	0.8	-	Indistinct dark reflector of an angular shape with height, seen in the sidescan sonar data. No associated magnetic anomaly. Possibly of non-ferrous origin or natural.		16	115580
70517	Debris	400063	5686417	A2	4	1.2	0.3	120	Dark reflector with height seen in the sidescan sonar data, appears associated with a medium asymmetric dipole seen in the magnetic data. No clear shape identifiable, possible indication of partial burial of ferrous debris.		16	115580
70518	Seafloor disturbance	400075	5686387	A2	5.2	3.5	0.1	500	Indication of seafloor disturbance seen in the sidescan sonar data, as two elongated object and a bright reflector seen amongst stretching and noise in the data making it hard to define detail. Appears associated with a medium asymmetric dipole seen in the magnetic data. Indication of partially buried debris.		16	115580
70519	Debris	400093	5686404	A2	2.9	0.1	0.1	341	Elongated dark reflector with height seen in the sidescan sonar data. Appears associated with a medium asymmetric dipole seen in the magnetic data. Possibly partially buried ferrous debris, or a small section of linear debris like rope or chain. Possibly linked to nearby debris (70518 and 70517).		16	115580



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		Easting	Northing									
70520	Debris field	400450	5686447	A2	18.1	9.6	0.1	87	Dark reflectors with height seen in the sidescan sonar data, as a group, hard to separate out the individual items (one item was thought to be approximately 1.5 m by 0.6 m, with a height of 0.2 m). Associated magnetic anomaly of a small asymmetric dipole was present in the magnetic data. A second magnetic anomaly (70521) is seen close by, it may be that this anomaly is part of this group of debris, however due to positional offset it is approximately 18 m away.		16	115580
70521	Magnetic	400468	5686441	A2	-	-	-	265	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly more than one item, near and possibly associated with a debris field (70520).		16	115580
70522	Dark reflector	400515	5686448	A2	2.5	0.2	0.1	-	Elongated dark reflector with shadow seen amongst rough ground in the sidescan sonar data. No associated magnetic anomaly. Possibly non-ferrous debris.		16	115580
70523	Debris	400548	5686469	A2	4.9	2.5	0.1	263	Dark rounded reflector with height seen amongst bright seabed (indicating changes in sediment). Associated with a medium asymmetric dipole seen in the magnetic data. Indicating possible partially buried debris.		16	115580
70524	Debris	401242	5686482	A2	1.9	0.5	0.3	43	Dark reflector with height seen in the sidescan sonar data amongst minor bedforms. Small asymmetric dipole seen in the magnetic data appears to be associated. Object appears to be either small item of debris or boulder.		16	115580
70525	Magnetic	401313	5686395	A2	-	-	-	44	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70526	Debris field	401318	5686420	A2	9	8.8	0.2	281	Collection of dark reflectors and seabed disturbance. Associated medium asymmetric dipole and nearby positive monopole in the magnetic data. Indicating ferrous debris, possibly partially buried. May be associated with the nearby debris (70528 and 70529) and linear feature (rope/chain) seen in the sidescan sonar.		16	115580
70527	Debris	401332	5686468	A2	4	1.7	0.5	-	Dark reflector with an oblong shape and height seen in the sidescan sonar data. Near to a linear object, possibly rope and debris (70526 , 70528 and 70529). Possibly associated. No associated magnetic anomaly. Indicating non-ferrous debris.		16	115580



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		Easting	Northing									
70528	Debris	401334	5686430	A2	5.4	0.3	0.2	-	Bright reflector with height at the end of a long linear feature seen in the sidescan sonar data. No associated magnetic anomaly. Possibly linked to 70529 , by the linear feature or associated debris from the linear feature. Indication of non-ferrous debris.		16	115580
70529	Debris	401377	5686471	A2	1.1	0.9	0.5	-	Dark reflector with height located at the end of linear feature (possibly rope) seen in the sidescan sonar data. The linear feature extends for approximately 76 m. No associated magnetic anomaly. Indicating non-ferrous debris, possibly associated with the linear feature and debris (70526 and 70528) or the object that caught the linear feature.		16	115580
70530	Debris	401537	5686455	A2	1.2	0.8	0.1	53	Oblong shaped object of similar reflectivity to the seabed but with a dark reflector edge near to shadow, seen in the sidescan sonar data. Appears isolated. Magnetic anomaly associated, small asymmetric dipole with peaks over two lines seen in the magnetic data. Indicating partially buried ferrous debris.		16	115580
70531	Debris	401736	5686396	A2	1.1	0.5	0.3	-	Object with height seen on the edge of the range with a linear feature extending from it (approx. 40 m) seen in the sidescan sonar data. The linear feature is likely recent debris relating to fishing activities. No associated magnetic anomaly. Indication of non-ferrous debris, possibly linked with 70533 and 70534 .		16	115580
70532	Debris	401781	5686440	A2	1.7	0.6	0.7	473	Dark reflector with height seen in the sidescan sonar data, appears curved with rope extending from the object for approximately 54 m. Magnetic anomaly is associated, a medium positive monopole seen in the magnetic data. Slight depression seen in the bathymetry data. Appears to be ferrous debris that is either part of or with debris caught on it that is believed to be rope from recent anthropogenic origin, possibly associated with fishing activities. Possibly linked to 70533 and 70531 .		16	115580
70533	Debris	401784	5686413	A2	3.5	1.5	0.4	-	Large object with height similar reflectivity as the surrounding seabed seen in the sidescan sonar data. Linear of low reflectivity seen extending off debris, not well defined in the data. No associated magnetic anomaly. Possibly debris linked to 70532 and 70531 .		16	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70534	Magnetic	401805	5686421	A2	-	-	-	169	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris. Located near to some debris (70532 <30 m away) possibly linked to discarded fishing gear, may be associated with the debris.		16	115580
70535	Dark reflector	401809	5686484	A2	1.7	0.7	0.1	-	Dark reflector with an interesting signature and height seen in the sidescan sonar data. Appears circular. No associated magnetic anomaly. Possibly partially buried debris or a natural feature with scour.		16	115580
70536	Debris	401868	5686455	A2	2	1.2	0.1	127	Mostly identifiable as a bright reflector in the sidescan sonar data, with associated magnetic anomaly, medium asymmetric dipole. Indicating a partially buried object of ferrous origin.		16	115580
70537	Magnetic	401893	5686432	A2	-	-	-	87	Small asymmetric dipole seen in the magnetic data, spread over a wide area due to survey lines. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70538	Magnetic	402242	5686411	A2	-	-	-	79	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70539	Magnetic	402696	5686438	A2	-	-	-	90	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70540	Magnetic	403115	5686473	A2	-	-	-	50	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70541	Magnetic	403172	5686557	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. A linear feature (seabed scar) can be seen nearby in the bathymetry data, the magnetic anomaly appears to be amongst this feature, indicating buried ferrous debris with a small potential of an artefact due to the change in seabed morphology.		16	115580
70542	Magnetic	403242	5686573	A2	-	-	-	316	Medium asymmetric dipole covering a large area of variance (Approx. 25 m) in the magnetic data. No surface representation. Amongst an area of minor bedforms, indicating buried ferrous debris.		16	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70543	Magnetic	403557	5686613	A2	-	-	-	87	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		16	115580
70544	Dark reflector	403804	5686595	A2	6.5	0.3	0.1	-	Linear feature as a dark reflector on the seafloor seen in the sidescan sonar data, possible second object next to it. Possible natural feature (seabed scar) or partially buried object. Slight magnetic variance seen in the magnetic data, but not of note. Indication of possible low or non-ferrous object.		16	115580
70545	Magnetic	403869	5686595	A2	-	-	-	61	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70546	Magnetic	404563	5686697	A2	-	-	-	106	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms, in the trough of a large bedform. Indication of buried ferrous debris, near to 70547 .		16	115580
70547	Magnetic	404569	5686706	A2	-	-	-	132	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70546 .		16	115580
70548	Magnetic	404616	5686699	A2	-	-	-	42	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70549	Magnetic	404666	5686773	A2	-	-	-	50	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70550	Magnetic	404708	5686726	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70551	Magnetic	405016	5686740	A2	-	-	-	225	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70552	Magnetic	405294	5686872	A2	-	-	-	45	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70553	Magnetic	406015	5686920	A2	-	-	-	40	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70554	Dark reflector	406384	5686982	A2	1.2	1.2	0.3	-	Dark reflector with height, appears to be oblong shaped, seen on the sidescan sonar data. Located amongst an area of bedforms. No magnetic anomaly, indicating not of ferrous origin. Possibly non-ferrous debris or natural.		16	115580
70555	Bright reflector	406479	5686966	A2	0.8	0.5	-	-	Low reflectivity feature seen amongst fairly flat seabed in the sidescan sonar data. No dark reflector apparent. Seen amongst magnetic variance, but not an identified magnetic anomaly. Indicating low or non-ferrous debris.		16	115580
70556	Magnetic	406594	5687036	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		16	115580
70557	Magnetic	406677	5687103	A2	-	-	-	53	Small asymmetric dipole seen in the magnetic data. No surficial representation seen. Located amongst rough ground. Indicative of potential buried ferrous debris.		15	115580
70558	Magnetic	406899	5687124	A2	-	-	-	58	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground. Indication of buried ferrous debris.		15	115580
70559	Dark reflector	407030	5687302	A2	2.1	1.3	0.5	-	Angular dark reflector with height seen on the sidescan sonar data. Seen amongst rough ground and boulders. No associated magnetic anomaly.		15	115580
70560	Debris	407103	5687267	A2	2.6	1.6	0.2	1218	Dark reflector seen in the sidescan sonar data as shallow oblong shape (no great height), with further features that cannot be identified. Magnetic anomaly also identified as a large almost symmetric dipole in the magnetic data. Indicating ferrous debris, possibly slightly buried or with little height.		15	115580
70561	Magnetic	407110	5687322	A2	-	-	-	1585	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms and linear seabed scars. Indication of buried ferrous debris.		15	115580
70562	Magnetic	407149	5687327	A2	-	-	-	854	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms and linear seabed scars. Indication of buried ferrous debris.		15	115580
70563	Magnetic	407698	5687379	A2	-	-	-	103	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580



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		Easting	Northing									
70564	Magnetic	407715	5687330	A2	-	-	-	151	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70565	Magnetic	408061	5687311	A2	-	-	-	108	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70566	Magnetic	408164	5687282	A2	-	-	-	40	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70567	Magnetic	408356	5687229	A2	-	-	-	89	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70568	Magnetic	408356	5687268	A2	-	-	-	146	Medium asymmetric dipole seen in the magnetic data. No defined surficial representation, located amongst rough ground and minor bedforms. Indication of buried ferrous debris. In 2010 this magnetic anomaly was grouped with a dark reflector (7079) however with recent higher resolution data they appear 33 m apart and so are seen to be separate. Previous magnetic anomaly 8 nT. The dark reflector (1.1 x 0.6 x 0.7 m in 2010) is believed to be natural and so has been discounted using the 2016 data.		14	115580, 73390
70569	Debris	408413	5687218	A2	1.7	0.5	0.4	57	Defined dark reflector with height, possibly two objects close together, seen on the sidescan sonar data. Associated small asymmetric dipole seen in the magnetic data indicating debris of ferrous origin. Located amongst an area of rough ground.		14	115580
70570	Magnetic	408417	5687234	A2	-	-	-	163	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70571	Magnetic	408651	5687220	A2	-	-	-	43	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70572	Magnetic	408952	5687222	A2	-	-	-	62	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580



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		Easting	Northing									
70573	Magnetic	409039	5687174	A2	-	-	-	456	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near to and possibly associated with 70574 , 70575 and 70577 .		14	115580
70574	Magnetic	409046	5687156	A2	-	-	-	74	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near to and possibly associated with 70573 , 70575 and 70577 .		14	115580
70575	Magnetic	409066	5687151	A2	-	-	-	304	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, near to and possibly associated with 70573 , 70574 and 70577 .		14	115580
70576	Magnetic	409076	5687200	A2	-	-	-	56	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70577	Magnetic	409099	5687164	A2	-	-	-	424	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris, possibly more than one item, near to and possibly associated with 70573 , 70574 and 70575 .		14	115580
70578	Magnetic	409113	5687214	A2	-	-	-	61	Small asymmetric dipole seen in the magnetic data. An elongated dark reflector with no height was seen in the sidescan sonar data (1.2 x 0.2 x 0.0 m), however the object appears natural with no definitive characteristic linking to the magnetic anomaly. Located amongst rough ground and bedforms. Indicates buried ferrous debris.		14	115580
70579	Magnetic	409247	5687187	A2	-	-	-	155	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located near bedforms. Indication of buried ferrous debris.		14	115580
70580	Magnetic	409327	5687153	A2	-	-	-	63	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70581	Magnetic	409490	5687181	A2	-	-	-	69	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580



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		Easting	Northing									
70582	Magnetic	409827	5687149	A2	-	-	-	87	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70583	Magnetic	409832	5687057	A2	-	-	-	139	Medium asymmetric dipole seen in the magnetic data. A dark reflector with height (1.3 x 0.7 x 0.1 m) is seen in the sidescan sonar data, possibly associated but hard to confirm if of natural origin or not. Located amongst rough ground. Possibly buried or partially buried ferrous debris.		14	115580
70584	Debris	409864	5687132	A2	2.8	0.5	0.3	65	Dark reflector with height seen in the sidescan sonar data, seen amongst an area of rough ground and boulders - hard to discern between the object and the boulders. Second dark reflector with height close by thought to be natural, but may be associated. Appears associated with a small magnetic anomaly, indicating potential partially buried ferrous debris or natural debris covering the ferrous.		14	115580
70585	Debris	410031	5687046	A2	1.6	1.0	0.6	244	Dark reflector with height seen in the sidescan sonar data, associated with a medium very asymmetric dipole in the magnetic data. Located amongst an area of rough ground. Possibly partially buried ferrous debris.		14	115580
70586	Magnetic	410202	5687023	A2	-	-	-	59	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground. Indication of buried ferrous debris.		14	115580
70587	Magnetic	410205	5687074	A2	-	-	-	45	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms and rough ground. Indication of buried ferrous debris.		14	115580
70588	Magnetic	410217	5687099	A2	-	-	-	303	Medium asymmetric dipole seen in the magnetic data. No surface representation. Located amongst changing bathymetry and rough ground. Possibly buried ferrous debris.		14	115580
70589	Magnetic	410487	5686991	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70590	Magnetic	410709	5686985	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground. Indicative of buried ferrous debris.		14	115580



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		Easting	Northing									
70591	Magnetic	410771	5687008	A2	-	-	-	120	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70592	Magnetic	411103	5686946	A2	-	-	-	83	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70593	Magnetic	411639	5686969	A2	-	-	-	55	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70594	Magnetic	412079	5686957	A2	-	-	-	42	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70595	Magnetic	413058	5686928	A2	-	-	-	72	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70596	Magnetic	413274	5686964	A2	-	-	-	1109	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst flat seabed and mobile fine sediment. Indication of buried ferrous debris.		14	115580
70597	Magnetic	413380	5686942	A2	-	-	-	68	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70598	Magnetic	413864	5686938	A2	-	-	-	57	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms, slight deformation over bedform may indicate debris presence. Indication of buried ferrous debris.		14	115580
70599	Magnetic	413910	5686894	A2	-	-	-	76	Small asymmetric dipole seen in the magnetic data. Located amongst an area of bedforms. No distinct surface expression, however there is a slight deformation on a bedform that may be linked to the magnetic anomaly. Indication of buried ferrous debris.		14	115580
70600	Magnetic	414681	5686943	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70601	Magnetic	414808	5686874	A2	-	-	-	43	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70602	Magnetic	414928	5686882	A2	-	-	-	49	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70603	Dark reflector	414948	5686904	A2	3.2	0.4	0.2	-	Dark reflector, with slight curve and height seen in the sidescan sonar data. Located amongst bedforms. No associated magnetic anomaly.		14	115580
70604	Magnetic	415304	5686894	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70605	Magnetic	415461	5686886	A2	-	-	-	115	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, possibly a number of objects or positional offset.		14	115580
70606	Dark reflector	415742	5686920	A2	1.0	0.6	0.2	-	Dark reflector with height seen in the sidescan sonar data. No associated magnetic anomaly. Located amongst bedforms and near to a larger item of debris (70607). Possibly associated non-ferrous debris or natural.		14	115580
70607	Debris	415743	5686926	A2	1.3	0.8	0.4	148	Strong dark reflector with height seen in the sidescan sonar data, with an associated magnetic anomaly seen as a medium asymmetric dipole in the data. Amongst an area of bedforms, so possibly further details buried. Identified as ferrous debris. Second smaller dark reflector seen nearby, but with no apparent ferrous content.		14	115580
70608	Debris	416456	5686864	A2	1.8	1.1	0.3	93	Strong dark reflector with height seen in the sidescan sonar data, with a corresponding small asymmetric dipole seen in the magnetic data. Close to a second object, which does not appear to be as distinct and not ferrous. Located on the edge of an area of bedforms.		14	115580
70609	Dark reflector	416458	5686868	A2	1.0	0.7	0.2	-	Dark reflector with height, appears to have a sloped side, next to second large dark reflector with associated magnetic anomaly (70608). Located on the edge of an area of bedforms, amongst minor bedforms. Possibly associated non-ferrous debris, or natural.		14	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70610	Magnetic	416564	5686855	A2	-	-	-	207	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		14	115580
70611	Debris	416664	5686858	A2	3.3	0.5	0.2	227	Curved dark reflector, with height seen in the sidescan sonar data, associated with a medium asymmetric dipole seen in the magnetic data. Located on the edge of an area of bedforms. The data indicates ferrous debris.		14	115580
70612	Debris	416980	5686912	A2	1.4	0.6	0.1	116	Elongated dark reflector with height seen on the sidescan sonar data. Associated with a medium asymmetric dipole, seen in the magnetic data. Indicating possibly partially buried, ferrous debris. Amongst rough ground and on the edge of an area of bedforms.		14	115580
70613	Debris	417088	5686871	A2	2.4	1.5	0.3	228	Dark reflector with height, seen in the sidescan sonar data, on the edge of an area of bedforms. Associated with a medium asymmetric dipole in the magnetic data. The dark reflector looks almost natural but due to its location on the edge of an area of bedforms there may be further detail buried, indicating potential partially buried ferrous debris.		14	115580
70614	Magnetic	417376	5686842	A2	-	-	-	44	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70615	Debris	417418	5686917	A2	2.6	0.8	0.1	152	Medium asymmetric dipole seen in the magnetic data, likely associated with a dark reflector with height seen in the sidescan sonar data. Located on the boundary of an area of bedforms. May be partially buried ferrous debris.		14	115580
70616	Magnetic	417595	5686836	A2	-	-	-	186	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70617	Magnetic	417980	5686830	A2	-	-	-	85	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70618	Debris	418456	5686826	A2	1.7	1.5	0.6	-	Elongated dark reflector with height, appears angular, seen in the sidescan sonar data. No corresponding magnetic anomaly indicating that it is not of ferrous material.		14	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70619	Debris	418512	5686840	A2	2.1	0.6	0.2	-	Elongated dark reflector seen in the sidescan sonar data amongst an area of rough ground and bedforms. No correlating magnetic anomaly indicating that it is not of ferrous material.		14	115580
70620	Magnetic	418659	5686865	A2	-	-	-	51	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70621	Magnetic	418764	5686821	A2	-	-	-	41	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70622	Debris	418949	5686864	A2	0.7	0.1	0.1	56	Small asymmetric dipole seen in the magnetic data, with associated small dark reflector seen in the sidescan sonar data. Possible debris, some parts may be partially buried. Seen amongst rough ground, on the edge of an area of bedforms.		14	115580
70623	Debris	419449	5686877	A2	0.5	0.5	0.2	589	Possible debris with height seen in the sidescan sonar data, amongst an area of bedforms, dark reflector seen amongst the shadow of the dune - possibly related. Appears associated with a medium asymmetric dipole seen in the magnetic data, indicating that the object is ferrous, or there are partially buried sections that are of ferrous material.		14	115580
70624	Seafloor disturbance	419513	5686905	A2	6.0	2.8	-	-	A seafloor disturbance consisting of a linear object that appears partially buried, with nearby possibly buried objects at angles to each other, seen in the sidescan sonar. Appears aligned slightly differently to the surrounding bedforms, but could be part of the natural formation. Near to some magnetic variance, but no associated magnetic variance indicating a collection of non-ferrous debris or of natural origin.		14	115580
70625	Magnetic	419677	5686861	A2	-	-	-	310	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		14	115580
70626	Magnetic	419809	5686908	A2	-	-	-	49	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70627	Magnetic	419852	5686860	A2	-	-	-	264	Medium very asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		14	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70628	Dark reflector	419997	5686860	A2	3.4	1.0	0.1	-	Elongated dark reflector with height, seen in the sidescan sonar data. No associated magnetic anomaly. Located close to the boundary of an area of bedforms. Possible non-ferrous debris or natural.		14	115580
70629	Magnetic	420079	5686847	A2	-	-	-	70	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst rough ground near bedforms. Indication of buried ferrous debris.		14	115580
70630	Magnetic	420137	5686894	A2	-	-	-	44	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70631	Magnetic	420223	5686852	A2	-	-	-	326	Medium asymmetric dipole seen in the magnetic data. Amongst an area of bedforms. No surface representation seen, indicating buried ferrous debris.		14	115580
70632	Magnetic	420325	5686853	A2	-	-	-	137	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70633	Magnetic	420455	5686860	A2	-	-	-	430	Medium asymmetric dipole seen in the magnetic data. Near an area of bedforms, amongst an area of minor bedforms and rougher ground. No surface representation seen, indicating buried ferrous debris.		14	115580
70634	Magnetic	420479	5686861	A2	-	-	-	349	Medium asymmetric dipole seen in the magnetic data. Amongst an area of minor bedforms. No surface representation seen, indicating buried ferrous debris, possibly more than one item or a length of ferrous debris.		14	115580
70635	Debris	420508	5686900	A2	2.2	0.5	0.2	127	Dark reflector with height seen in the sidescan sonar data, with corresponding medium asymmetric dipole seen in the magnetic data, indicating ferrous debris. Near to an area of bedforms.		14	115580
70636	Magnetic	420513	5686879	A2	-	-	-	106	Medium symmetric dipole seen in the magnetic data. No surficial representation. Located amongst minor bedforms. Indication of buried ferrous debris.		14	115580
70637	Magnetic	420540	5686907	A2	-	-	-	210	Medium asymmetric dipole seen in the magnetic data. No surficial representation, some disturbed seabed unclear if related. Located amongst minor bedforms. Indication of buried ferrous debris, next to 70638 possibly related.		14	115580

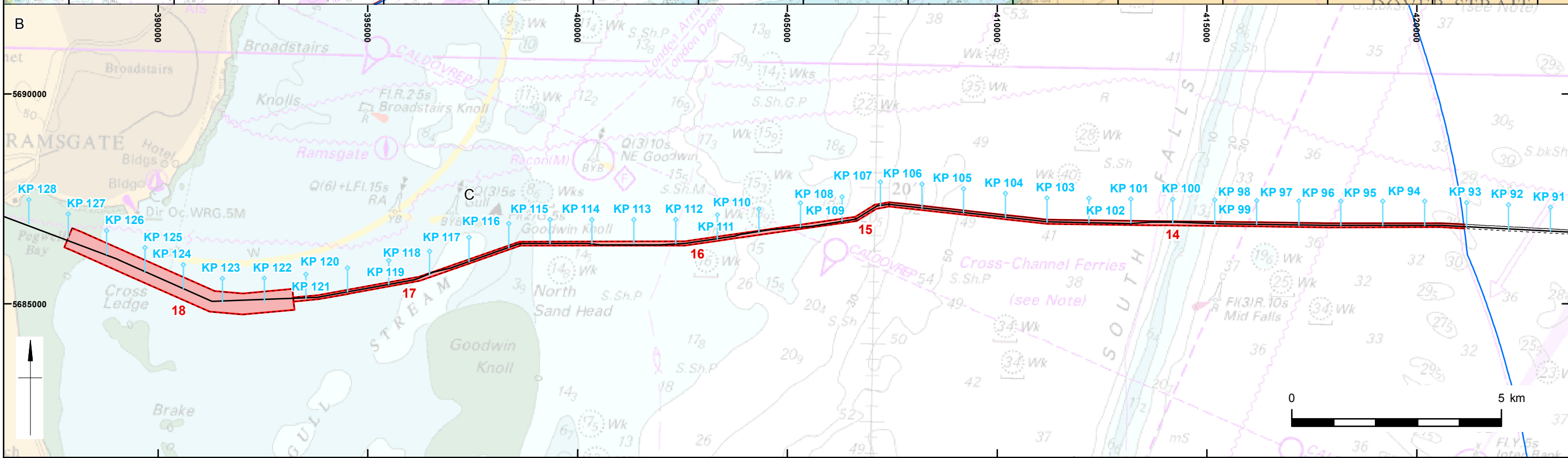
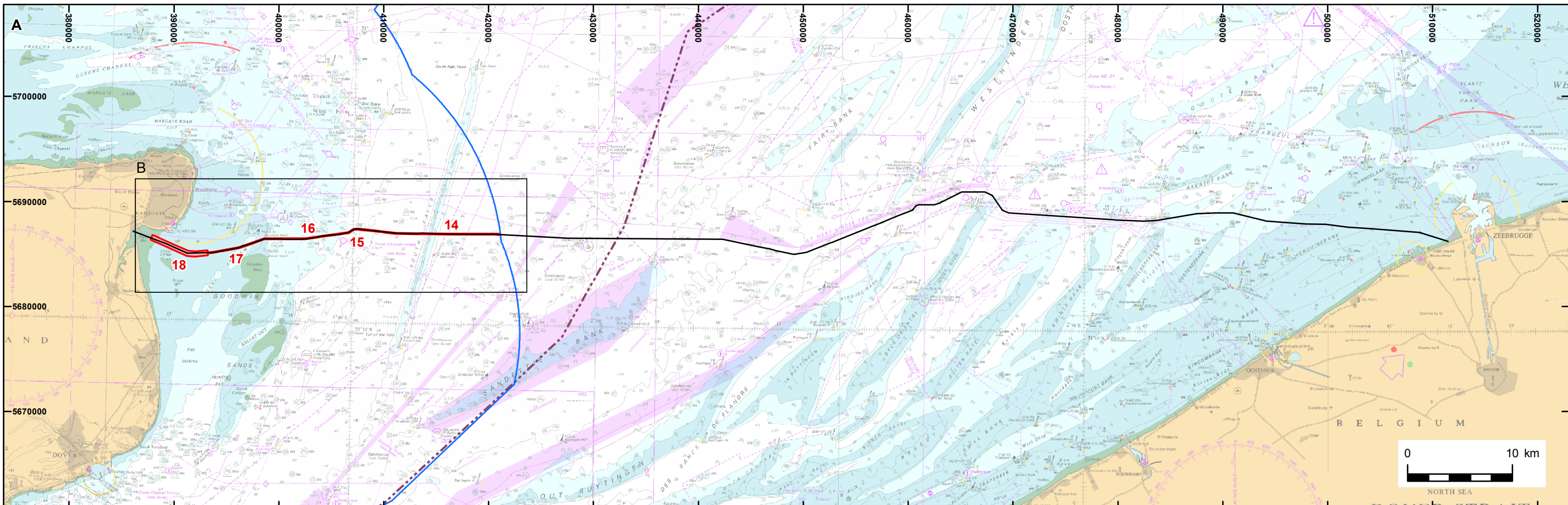


ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70638	Magnetic	420555	5686901	A2	-	-	-	378	Medium asymmetric dipole seen in the magnetic data. No surficial representation, some disturbed seabed unclear if related. Located amongst minor bedforms. Indication of buried ferrous debris, next to 70637 possibly related.		14	115580
70639	Magnetic	420612	5686845	A2	-	-	-	182	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70640	Magnetic	420624	5686828	A2	-	-	-	77	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, near to 70639 .		14	115580
70641	Magnetic	420643	5686905	A2	-	-	-	906	Large asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70642	Magnetic	420706	5686853	A2	-	-	-	53	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70643	Magnetic	420737	5686828	A2	-	-	-	155	Medium asymmetric dipole and monopole seen in the magnetic data. No surficial representation. Located near bedforms. Indication of buried ferrous debris, possibly more than one item.		14	115580
70644	Magnetic	420741	5686881	A2	-	-	-	92	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70645	Magnetic	420784	5686898	A2	-	-	-	227	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70646	Magnetic	420813	5686825	A2	-	-	-	60	Small symmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70647	Dark reflector	420876	5686844	A2	1.4	0.2	-	-	Elongated dark reflector at the peak of a bedform. Possibly part of a buried object. Near to magnetic anomaly 70648 (14 m away), possibly related. Uncertain of origin.		14	115580
70648	Magnetic	420880	5686830	A2	-	-	-	162	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris. Close to an object, 70647 , but not thought to be the same, unless partially buried.		14	115580



ID	Class	WGS84 UTM31 N		Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference	Section	Project Number
		Easting	Northing									
70649	Magnetic	420951	5686881	A2	-	-	-	159	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70650	Magnetic	421080	5686810	A2	-	-	-	71	Small asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris.		14	115580
70651	Magnetic	421094	5686848	A2	-	-	-	127	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70652 .		14	115580
70652	Magnetic	421107	5686839	A2	-	-	-	122	Medium asymmetric dipole seen in the magnetic data. No surficial representation. Located amongst bedforms. Indication of buried ferrous debris, close to 70651 .		14	115580
70653	Debris	388926	5686282	A2	3.1	2	0.4	86	Larger more defined of the two dark reflectors seen in the sidescan sonar data, associated with a small symmetrical dipole in the magnetic data. Seen in the bathymetry data as a small mound with no further definition, position updated. Indication of ferrous debris, located amongst fine sediment and a number of smaller dark reflectors, located near to 70654 .		18	115580
70654	Dark reflector	388902	5686269	A2	2.7	2.5	0.1	-	Larger and more defined of the two dark reflectors seen in the sidescan sonar data, with no magnetic anomaly but magnetic variance is seen in the magnetic data. Seen in the bathymetry data as a mound with scour, position updated. Indication of ferrous debris, located amongst fine sediment and a number of smaller dark reflectors, located near to 70653 .		18	115580

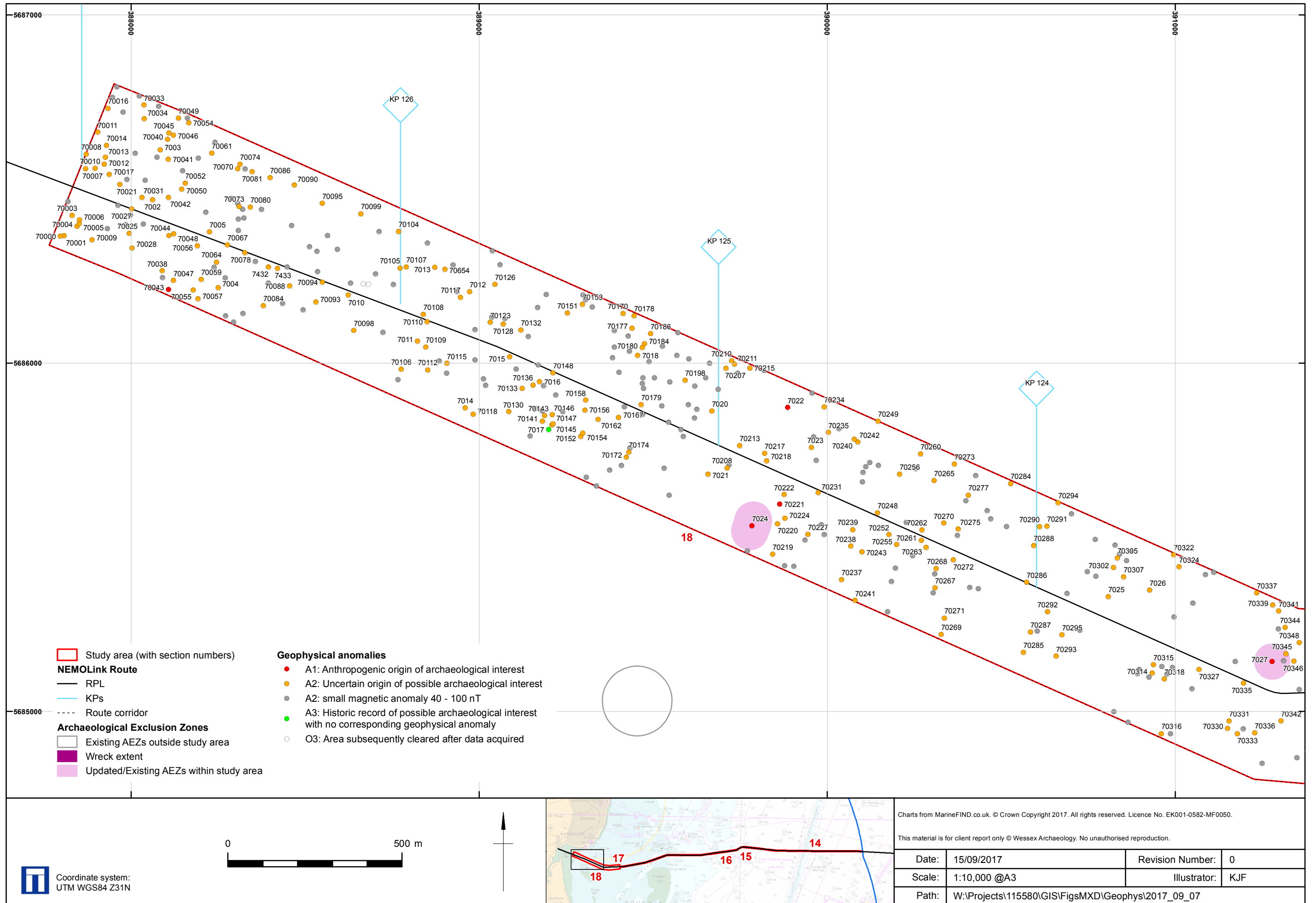
1. Co-ordinates are in WGS84 UTM 31 N
2. Positional accuracy is estimated at ± 15 m



	Study area (with section numbers) 	NEMOLink Route — RPL - - - Route corridor — KPs	Regional boundaries UK 12 NM limit (territorial waters) Mid-way boundary between UK and Europe		Charts from MarineFIND.co.uk. © Crown Copyright 2017. All rights reserved. Licence No. EK001-0582-MF0050. Contains Ordnance Survey data © Crown copyright and database right 2017. Made with Natural Earth. Free vector and raster map data @ naturalearthdata.com. This material is for client report only © Wessex Archaeology. No unauthorised reproduction.	Coordinate system: UTM WGS84 Z31N
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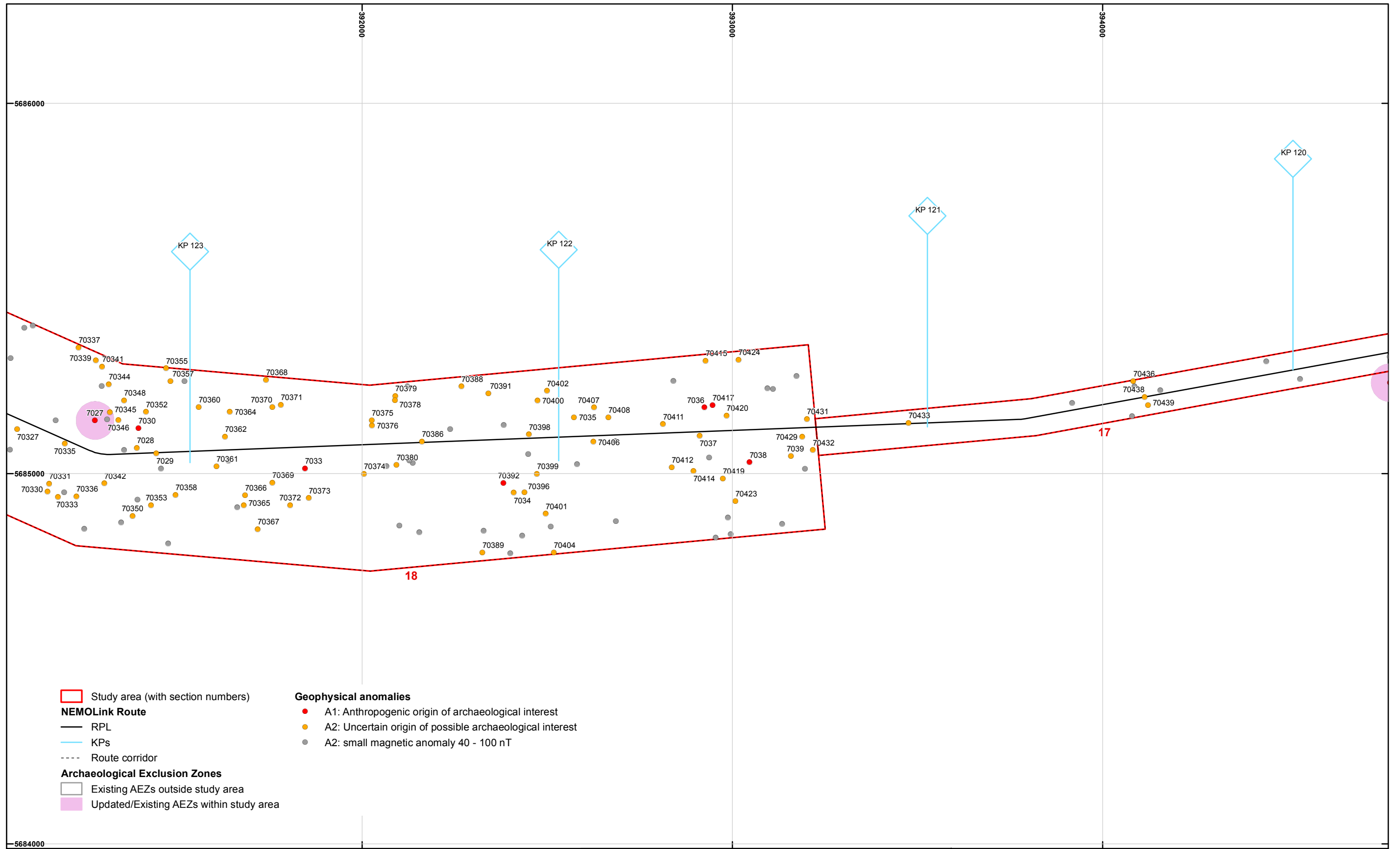
Location map

Figure 1



Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

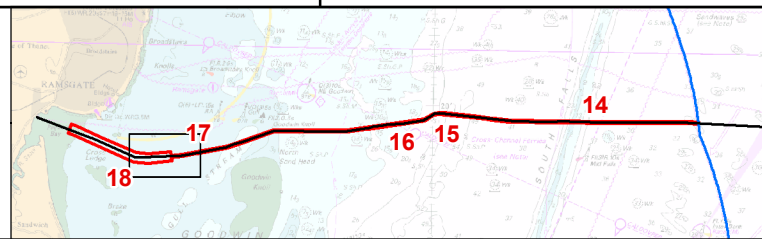
Figure 2a



- Study area (with section numbers)
- NEMOLink Route**
- RPL
- KPs
- Route corridor
- Archaeological Exclusion Zones**
- Existing AEZs outside study area
- Updated/Existing AEZs within study area

- Geophysical anomalies**
- A1: Anthropogenic origin of archaeological interest
- A2: Uncertain origin of possible archaeological interest
- A2: small magnetic anomaly 40 - 100 nT

Coordinate system:
UTM WGS84 Z31N



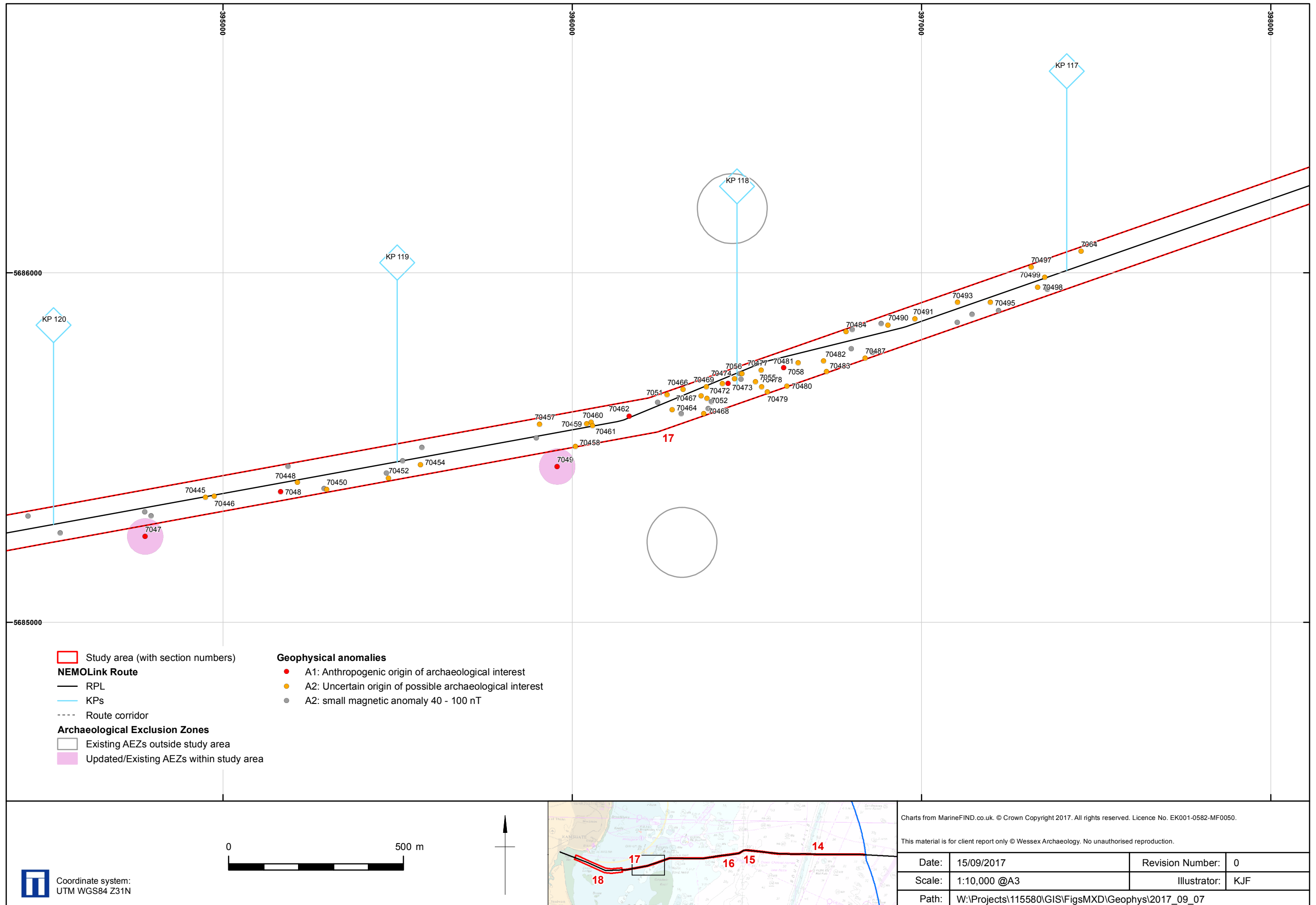
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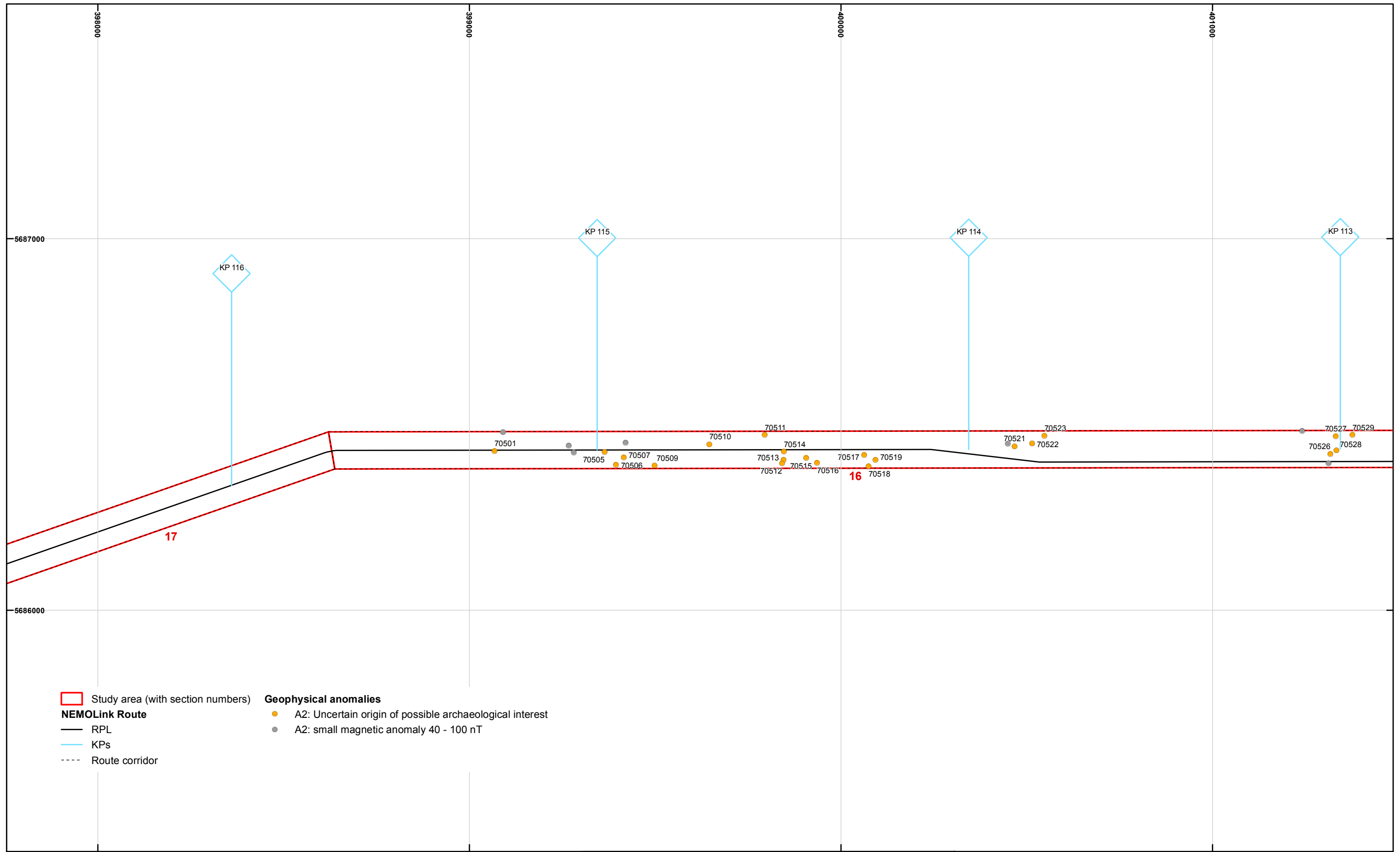
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2b



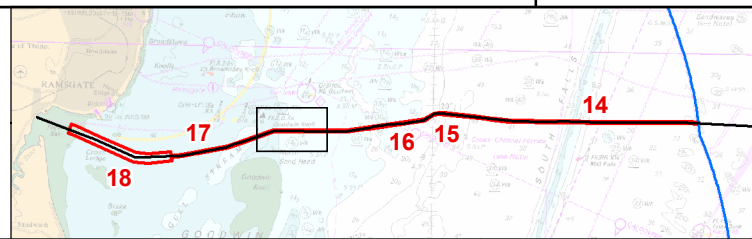
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2c



- Study area (with section numbers)
- NEMOLink Route**
- RPL
- KPs
- Route corridor
- Geophysical anomalies**
- A2: Uncertain origin of possible archaeological interest
- A2: small magnetic anomaly 40 - 100 nT

Coordinate system:
UTM WGS84 Z31N



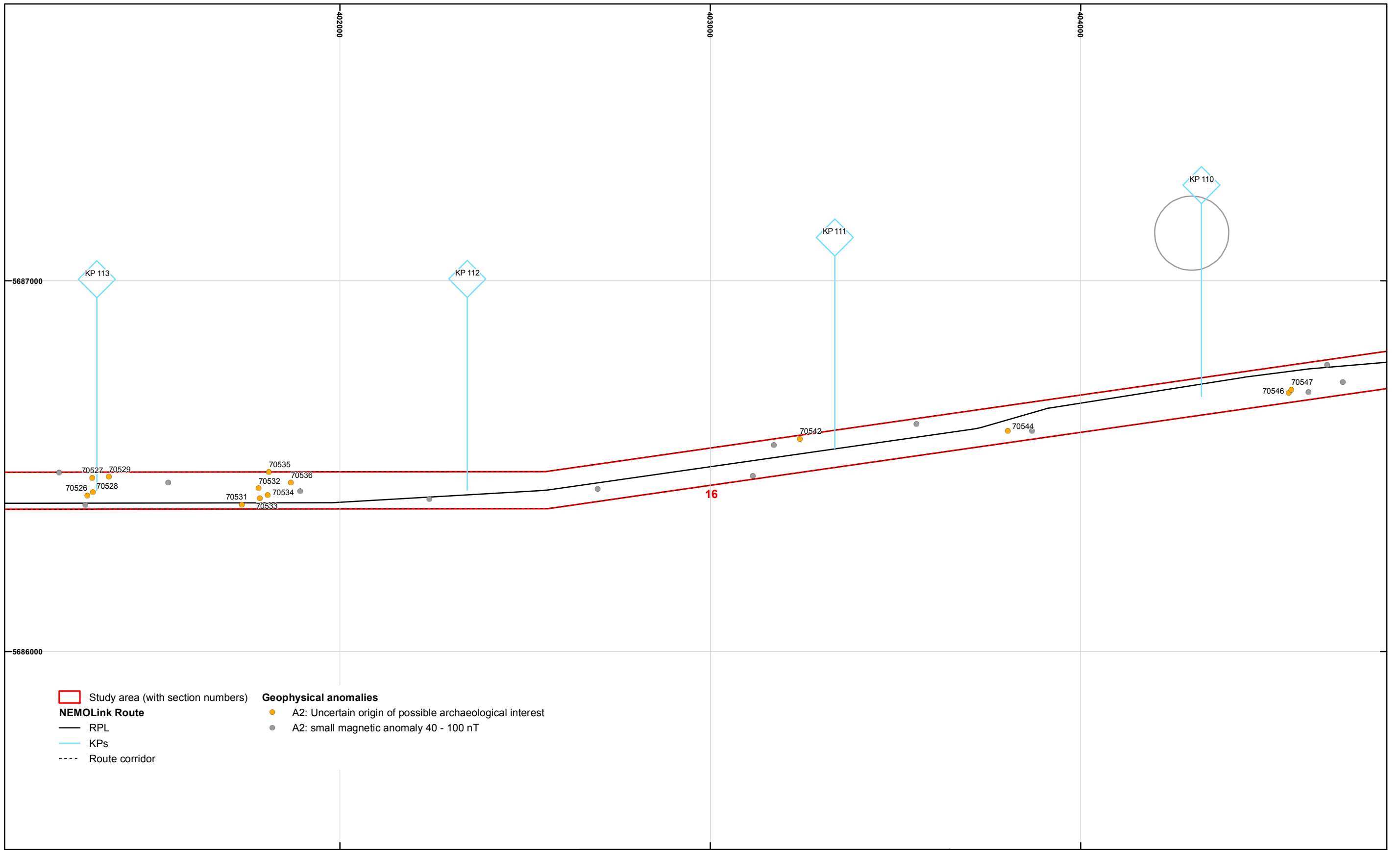
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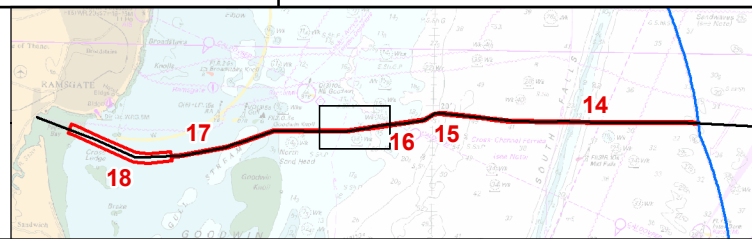
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2d



- Study area (with section numbers)
- NEMOLink Route**
- RPL
- KPs
- Route corridor
- Geophysical anomalies**
- A2: Uncertain origin of possible archaeological interest
- A2: small magnetic anomaly 40 - 100 nT

Coordinate system:
UTM WGS84 Z31N



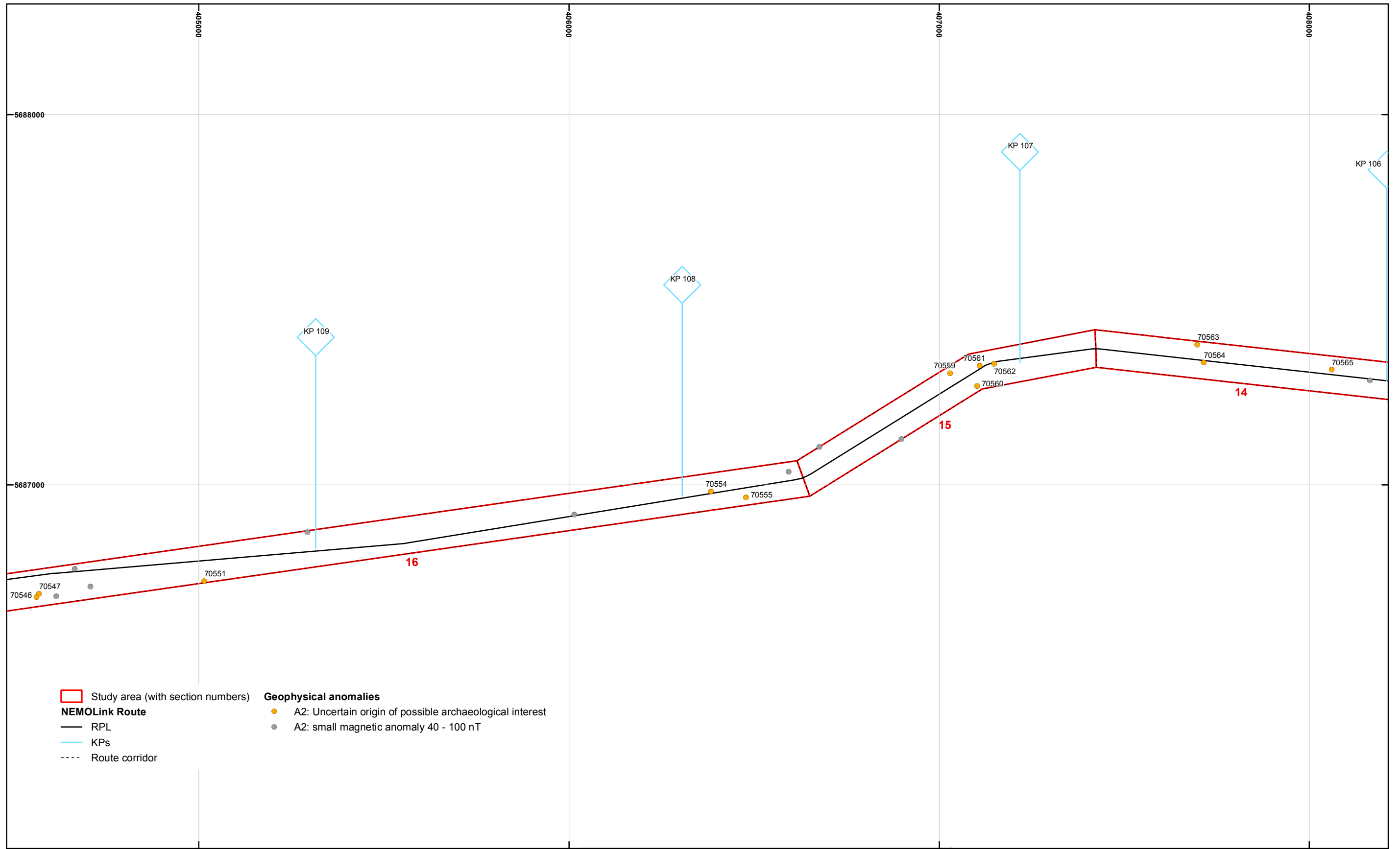
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Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2e



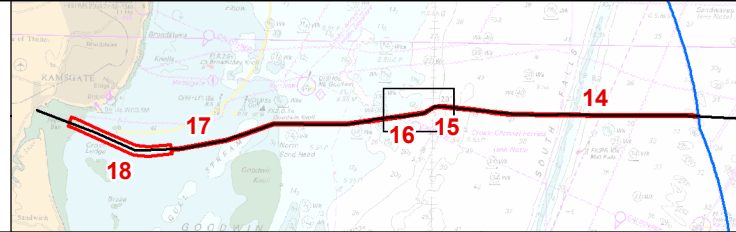
- Study area (with section numbers)
- NEMOLink Route**
- RPL
- KPs
- Route corridor
- Geophysical anomalies**
- A2: Uncertain origin of possible archaeological interest
- A2: small magnetic anomaly 40 - 100 nT

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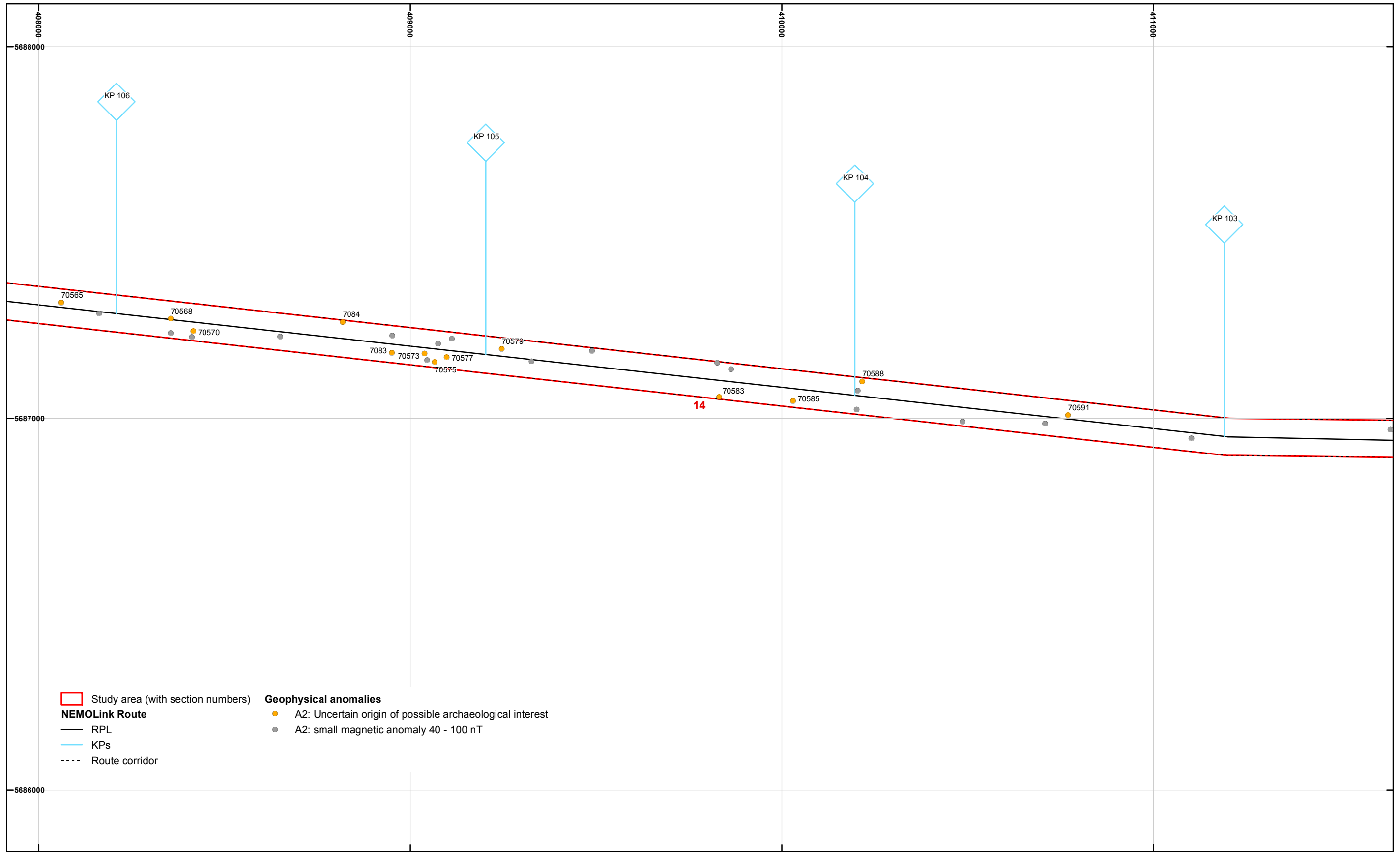
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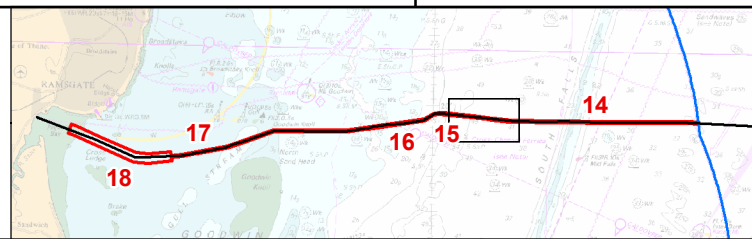
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2f



- Study area (with section numbers)
- NEMOLink Route**
- RPL
- KPs
- - - Route corridor
- Geophysical anomalies**
- A2: Uncertain origin of possible archaeological interest
- A2: small magnetic anomaly 40 - 100 nT

Coordinate system:
UTM WGS84 Z31N



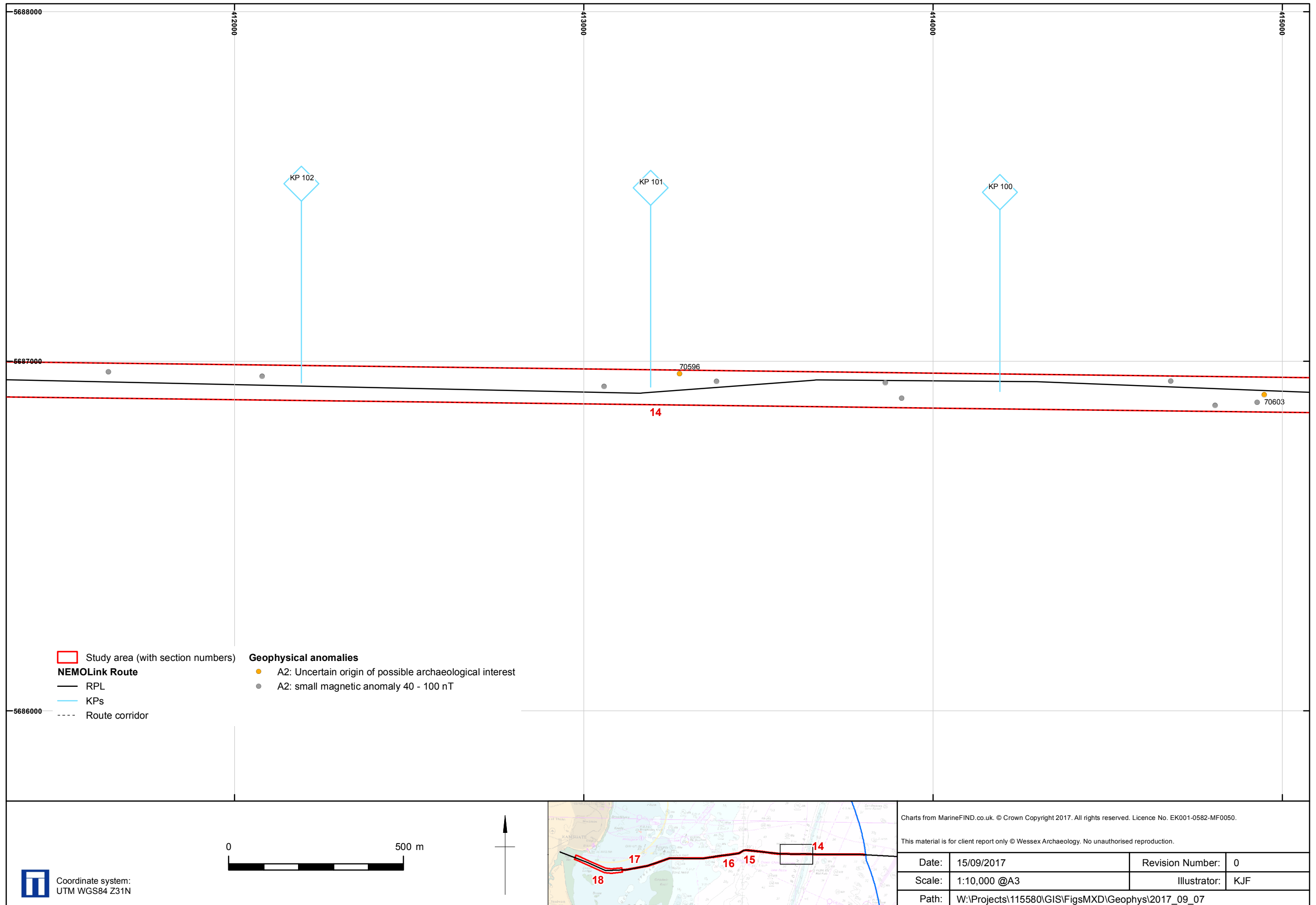
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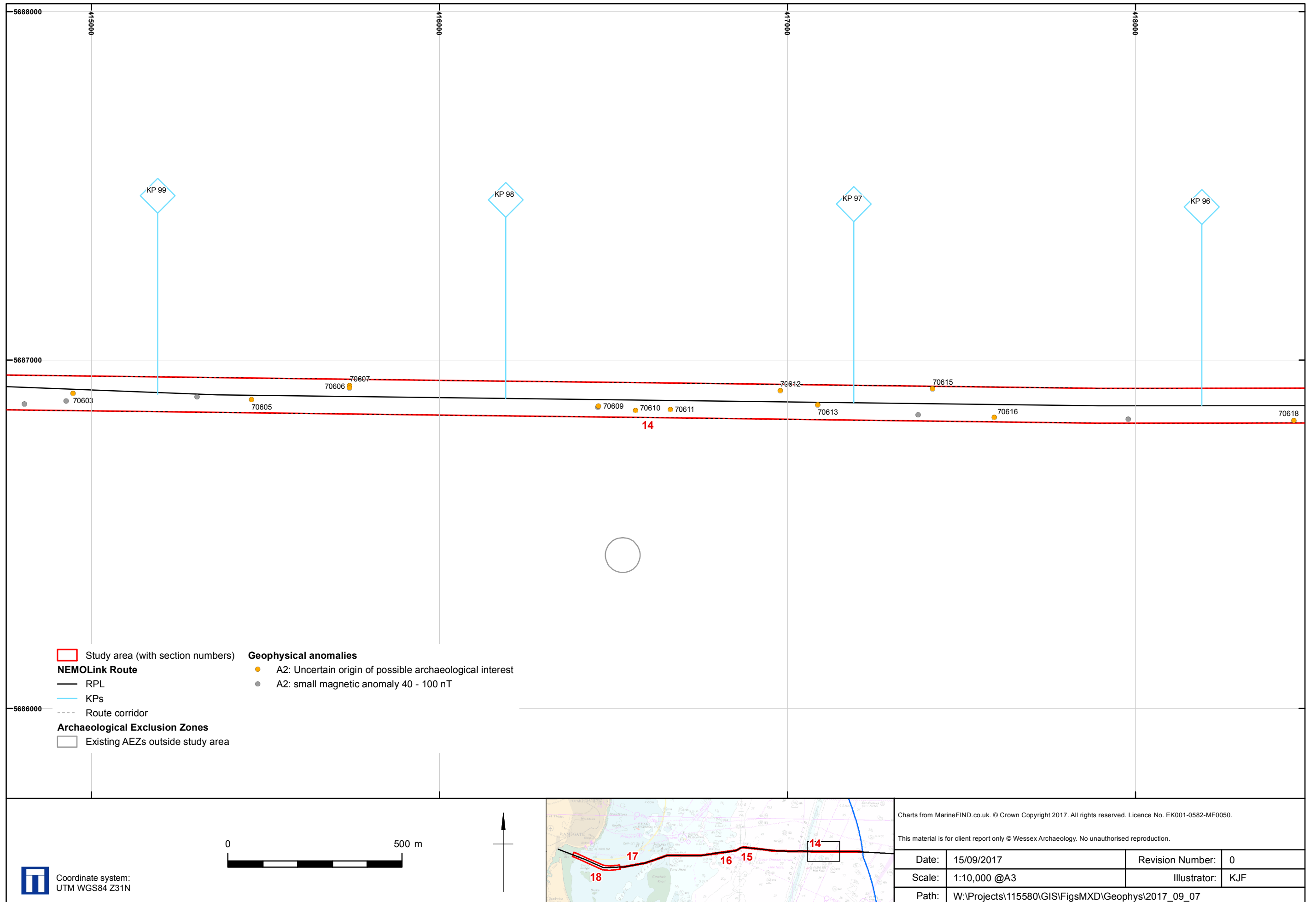
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2g



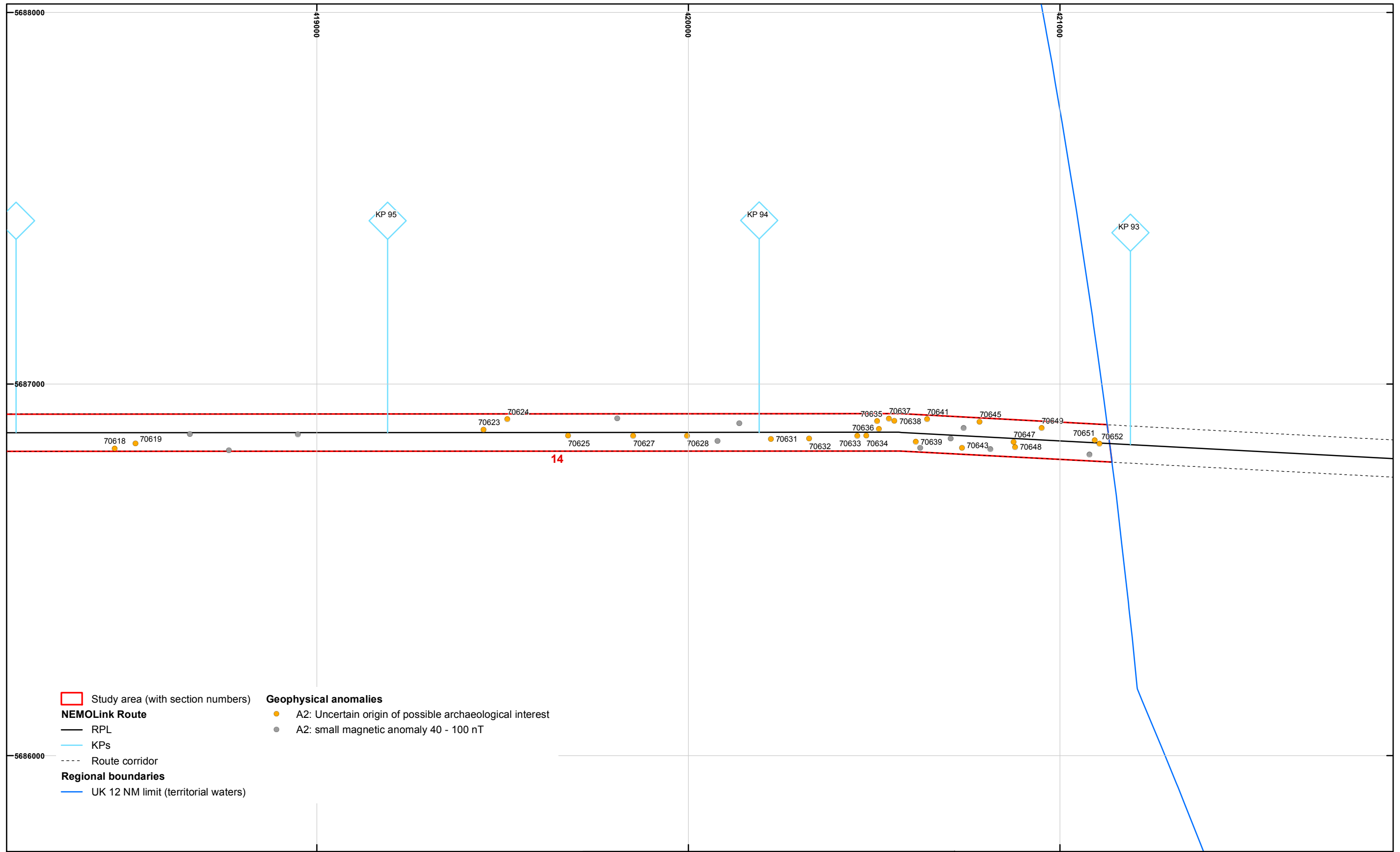
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2h



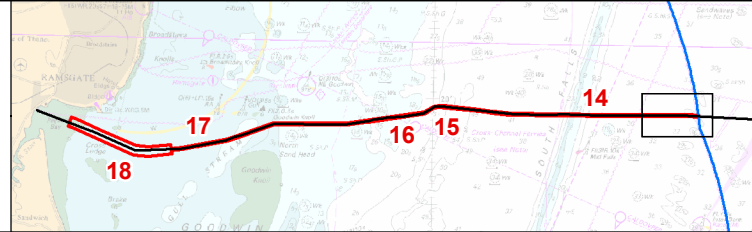
Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

Figure 2i



- Study area (with section numbers)
 - NEMOLink Route**
 - RPL
 - KPs
 - - - Route corridor
 - Regional boundaries**
 - UK 12 NM limit (territorial waters)
- Geophysical anomalies**
 - A2: Uncertain origin of possible archaeological interest
 - A2: small magnetic anomaly 40 - 100 nT

Coordinate system:
UTM WGS84 Z31N



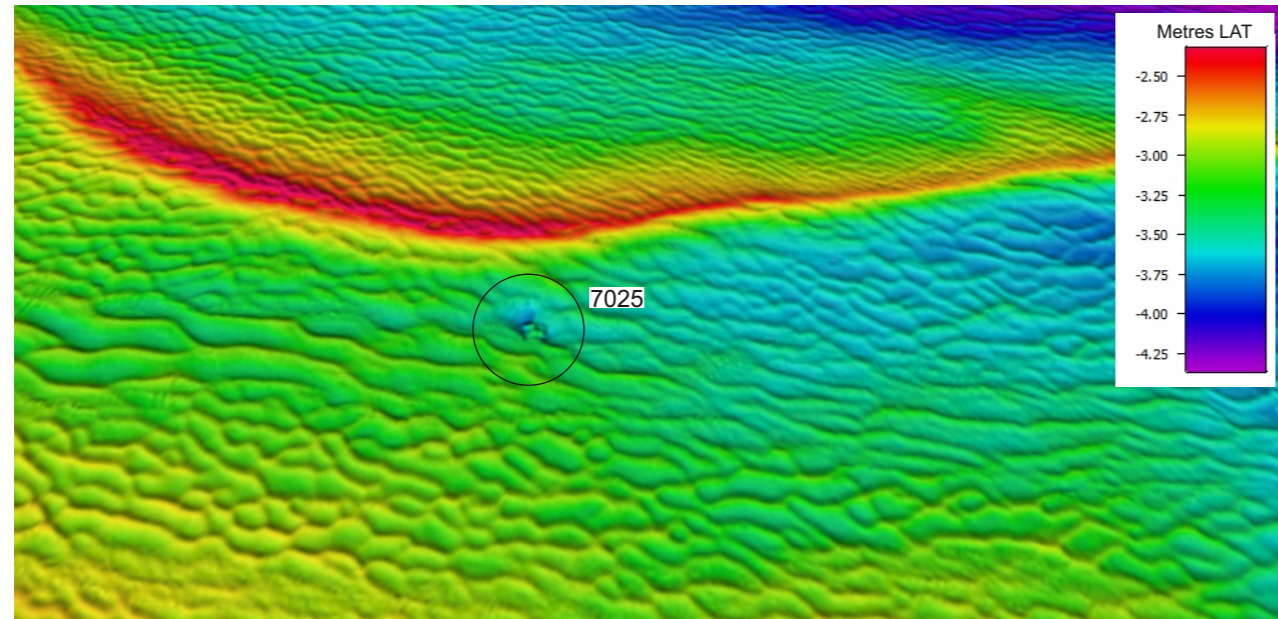
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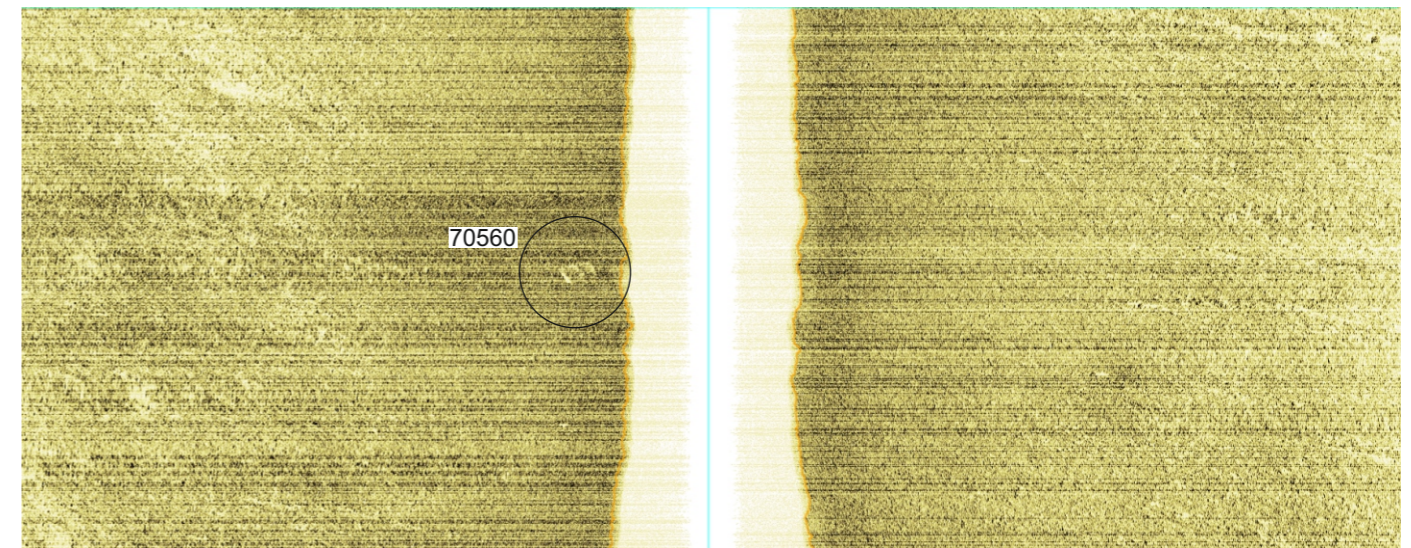
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Anomalies of archaeological potential identified in 2016 geophysical data over the NEMOLink Cable Route

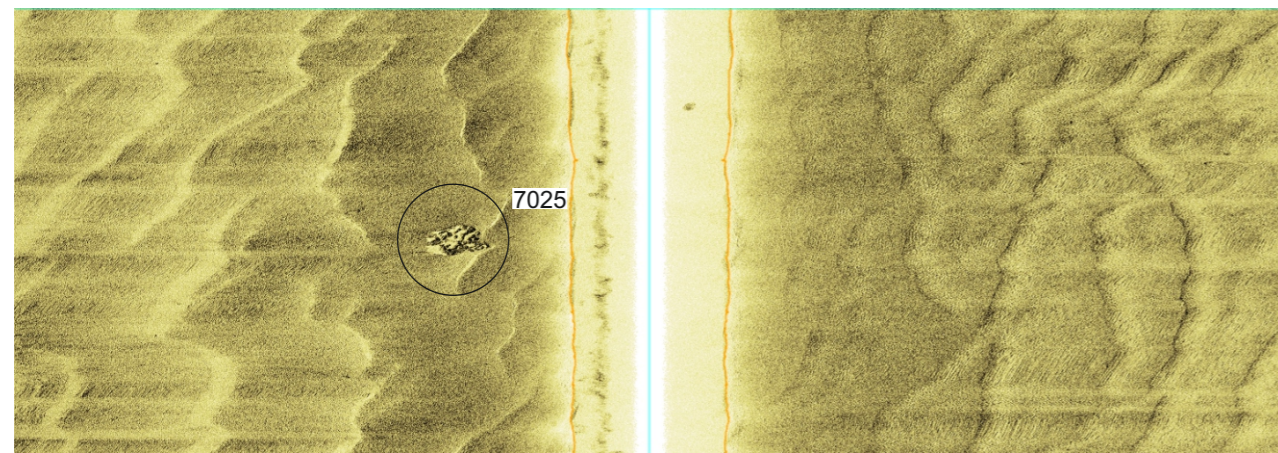
Figure 2j



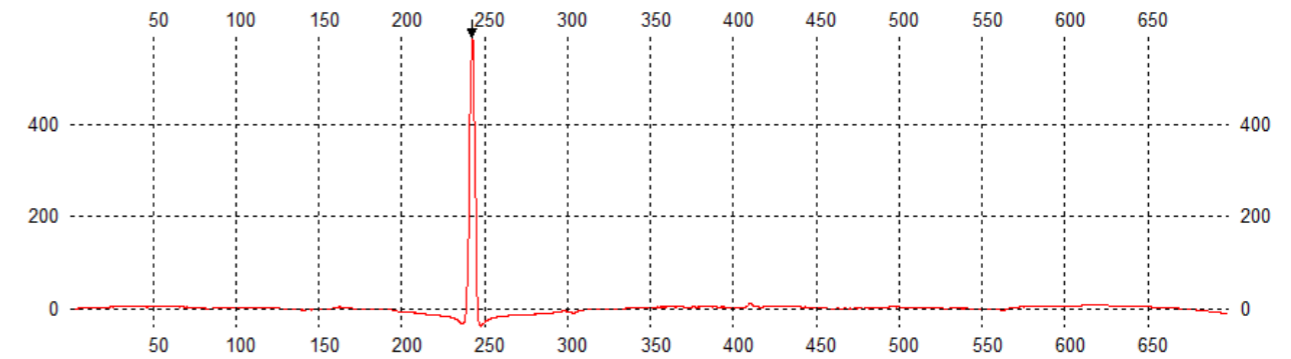
Multibeam bathymetry image of debris, **7025**, 6.7 x 4.4 x 0.25 m, looking north-east (x1 vertical exaggeration)



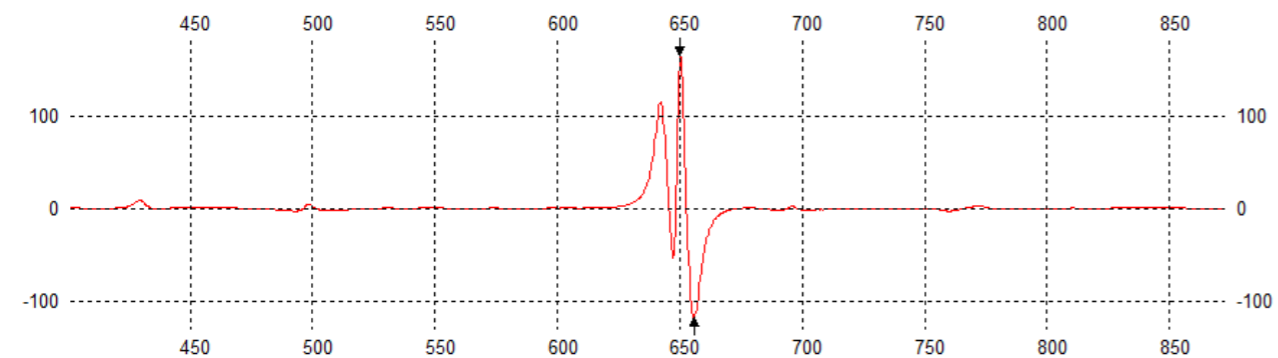
Sidescan sonar image of debris, **70560**, 2.6 x 1.6 x 0.2 m



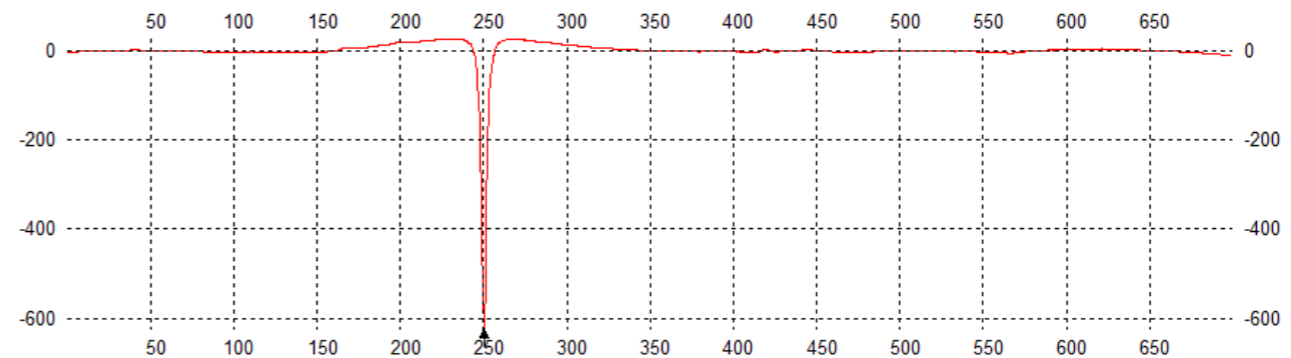
Sidescan sonar image of debris, **7025**, 6.7 x 4.4 x 0.25 m



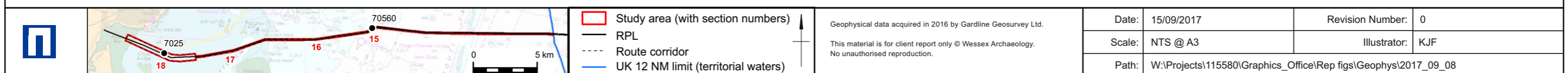
Magnetic profile of debris, **70560**, measuring 1218 nT (positive peak)

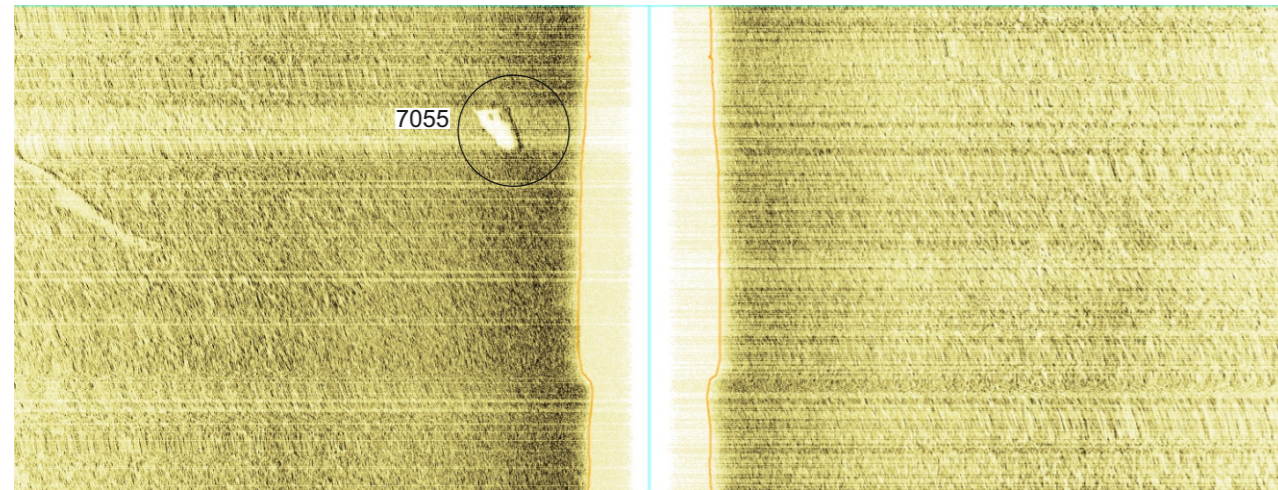


Magnetic profile of debris, **7025**, measuring 366 nT

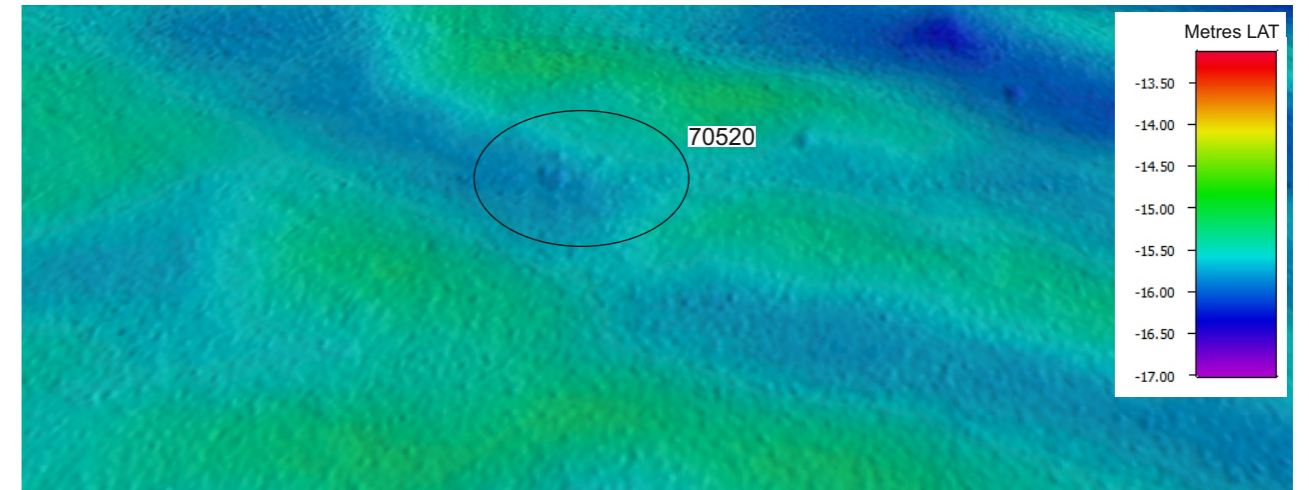


Magnetic profile of debris, **70560**, measuring 1218 nT (negative peak)

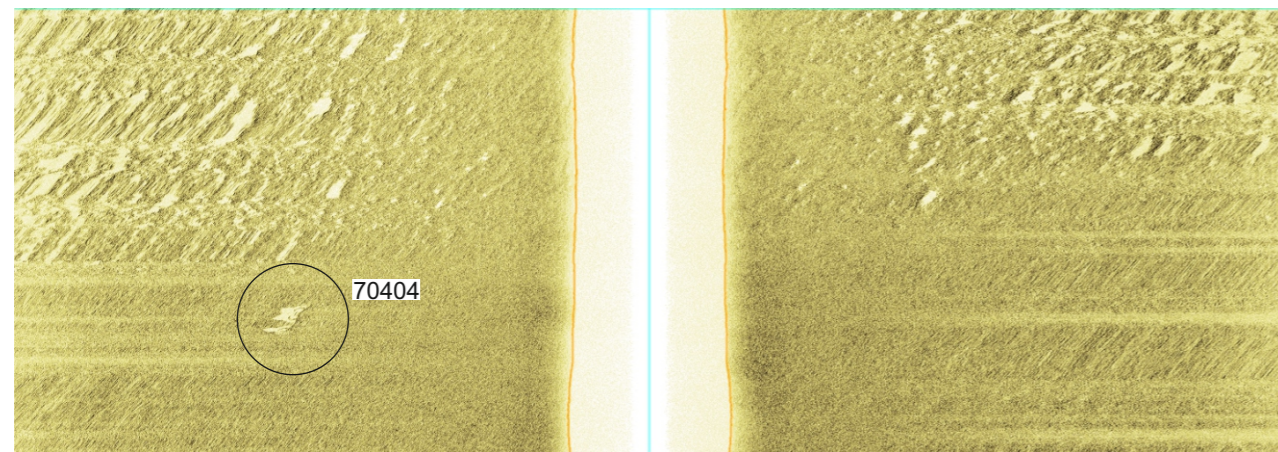




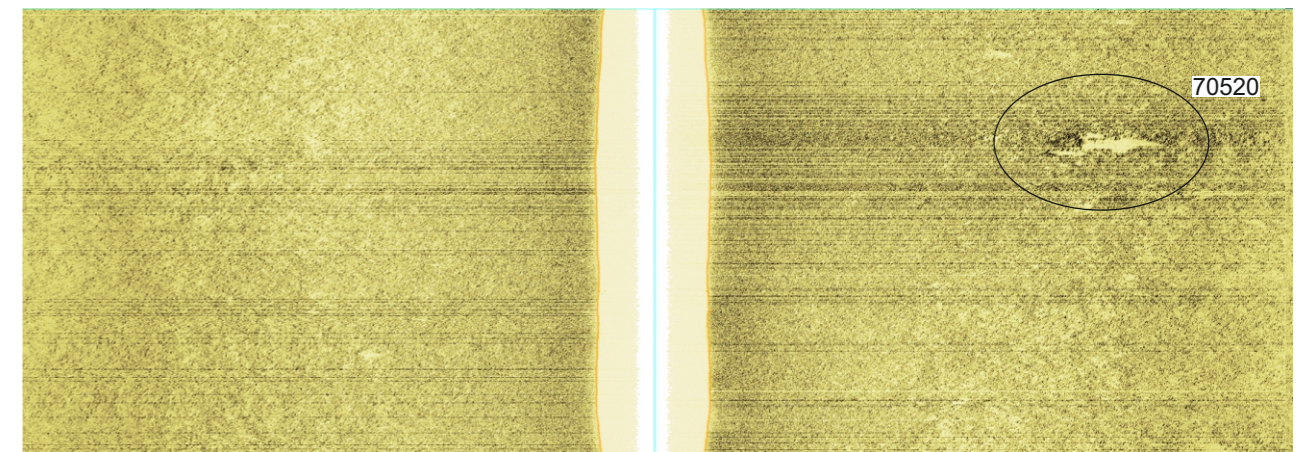
Sidescan sonar image of debris, **7055**, 3.5 x 1.5 x 0.6 m



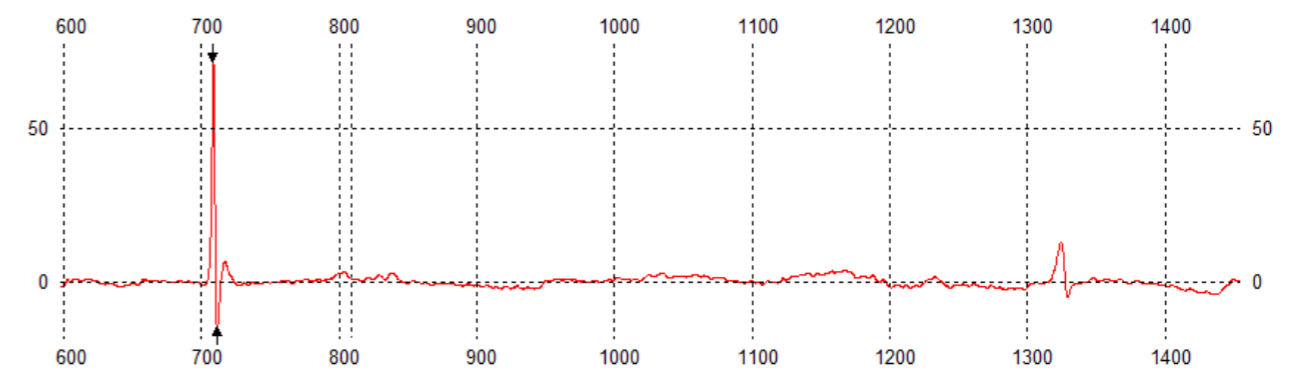
Multibeam bathymetry image of a debris field, **70520**, 18.1 x 9.6 x 0.1 m, looking north (x1 vertical exaggeration)



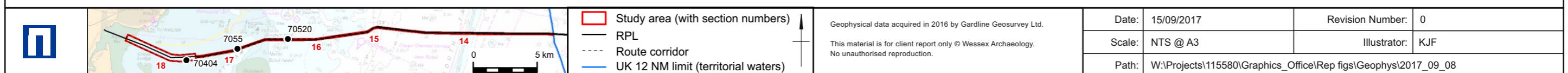
Sidescan sonar image of debris, **70404**, 11.1 x 0.3 x 0.4 m



Sidescan sonar image of a debris field, **70520**, 18.1 x 9.6 x 0.1 m

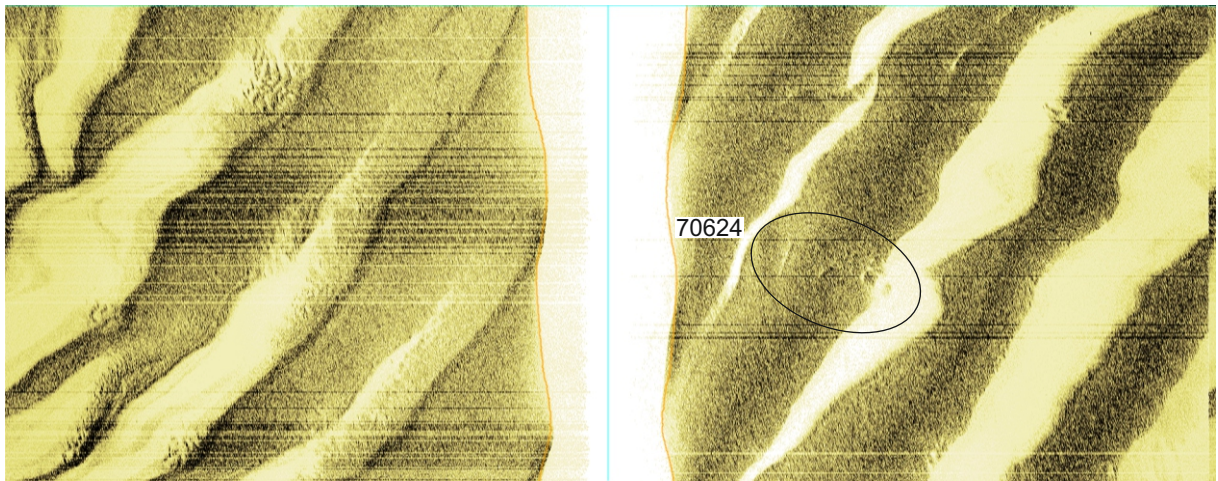


Magnetic profile of a debris field, **70520**, measuring 87 nT

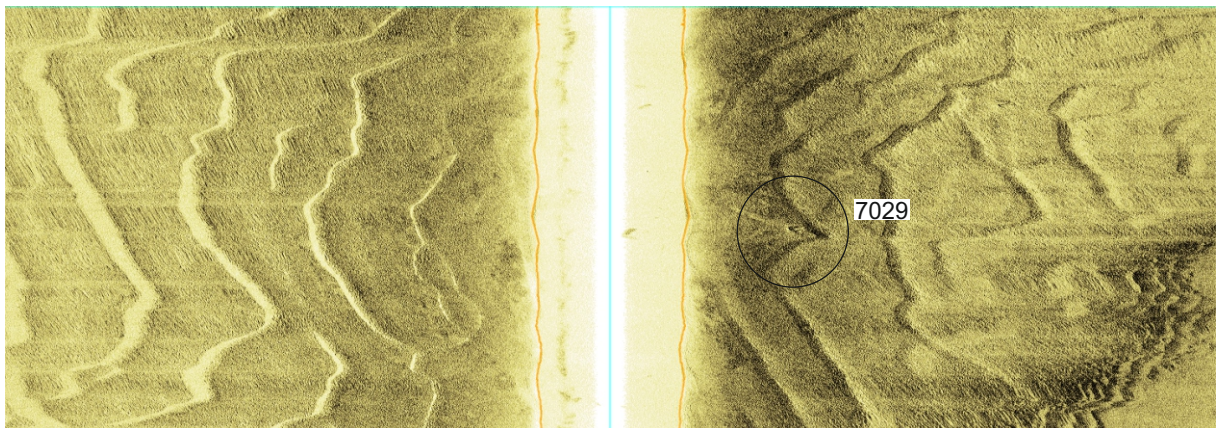


Data examples of seabed anomalies over the NEMOLink cable route (non-ferrous debris and debris field)

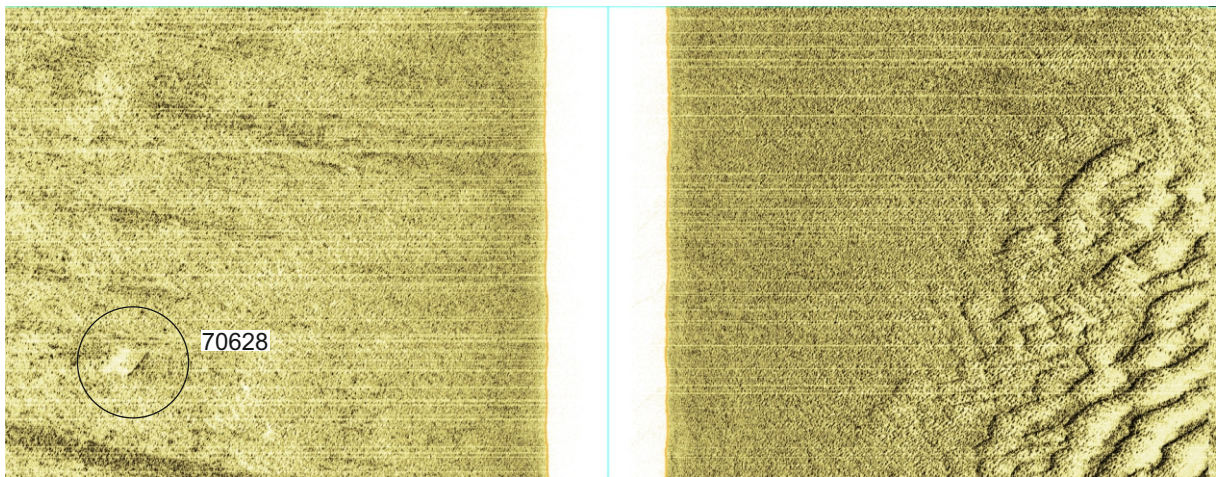
Figure 4



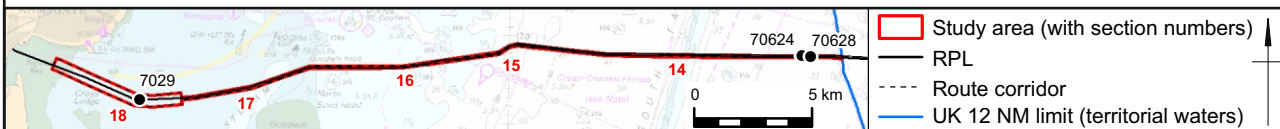
Sidescan sonar image of a seafloor disturbance, **70624**, 6.0 x 2.8 m



Sidescan sonar image of a dark reflector, **7029**, 1.9 x 0.7 x 0.4 m



Sidescan sonar image of a dark reflector, **70628**, 3.4 x 1.0 x 0.1 m



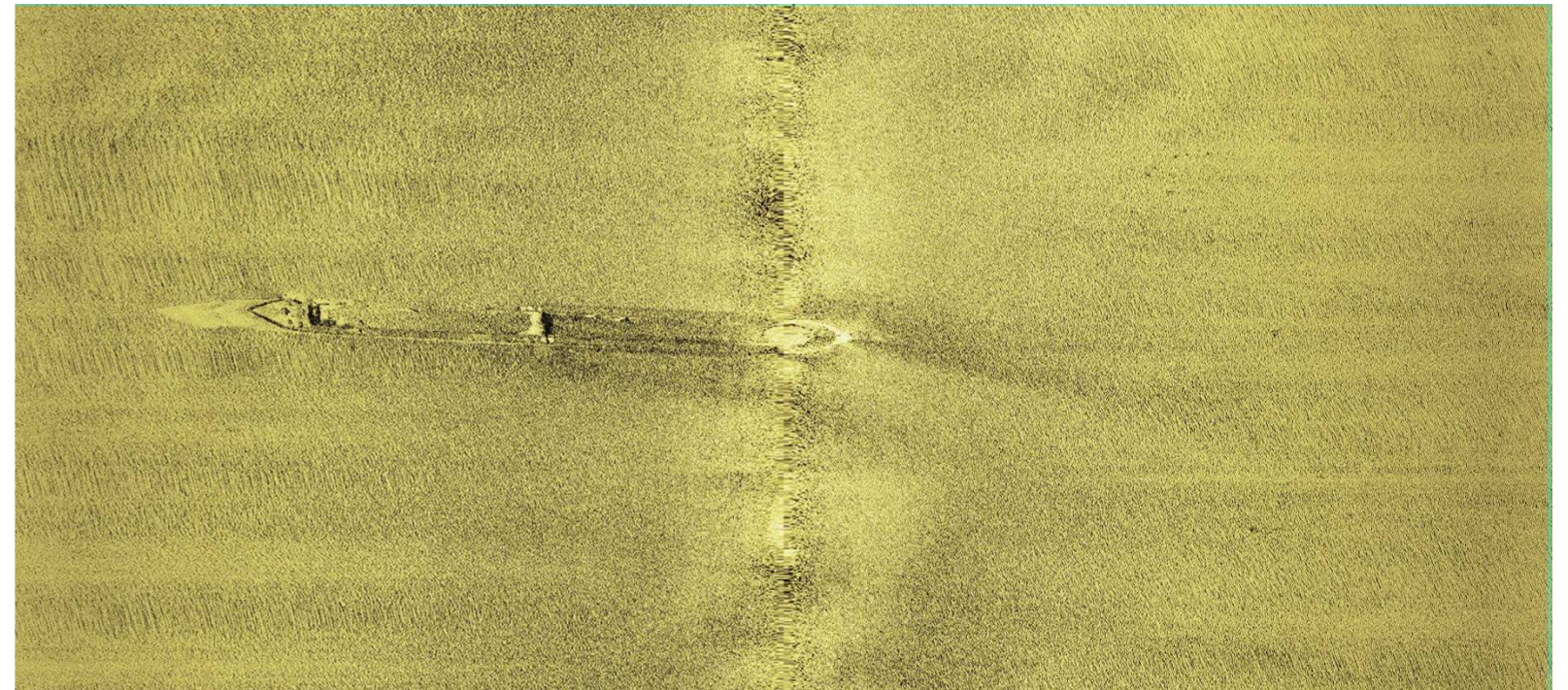
Geophysical data acquired in 2016 by Gardline Geosurvey Ltd.
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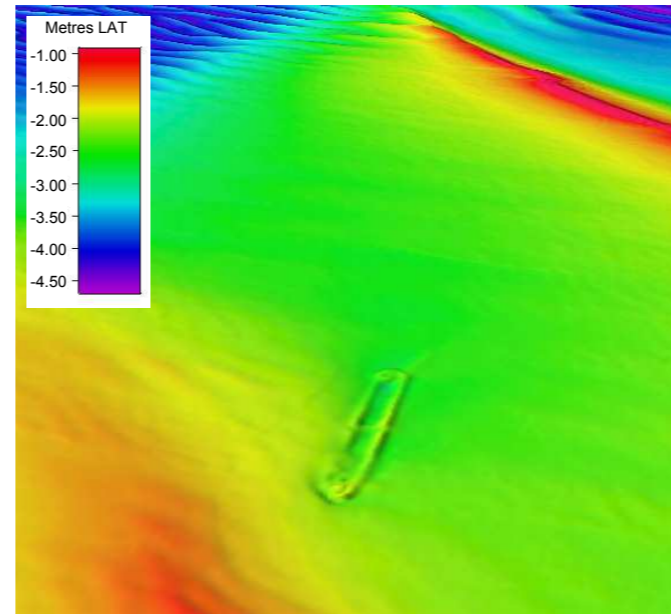
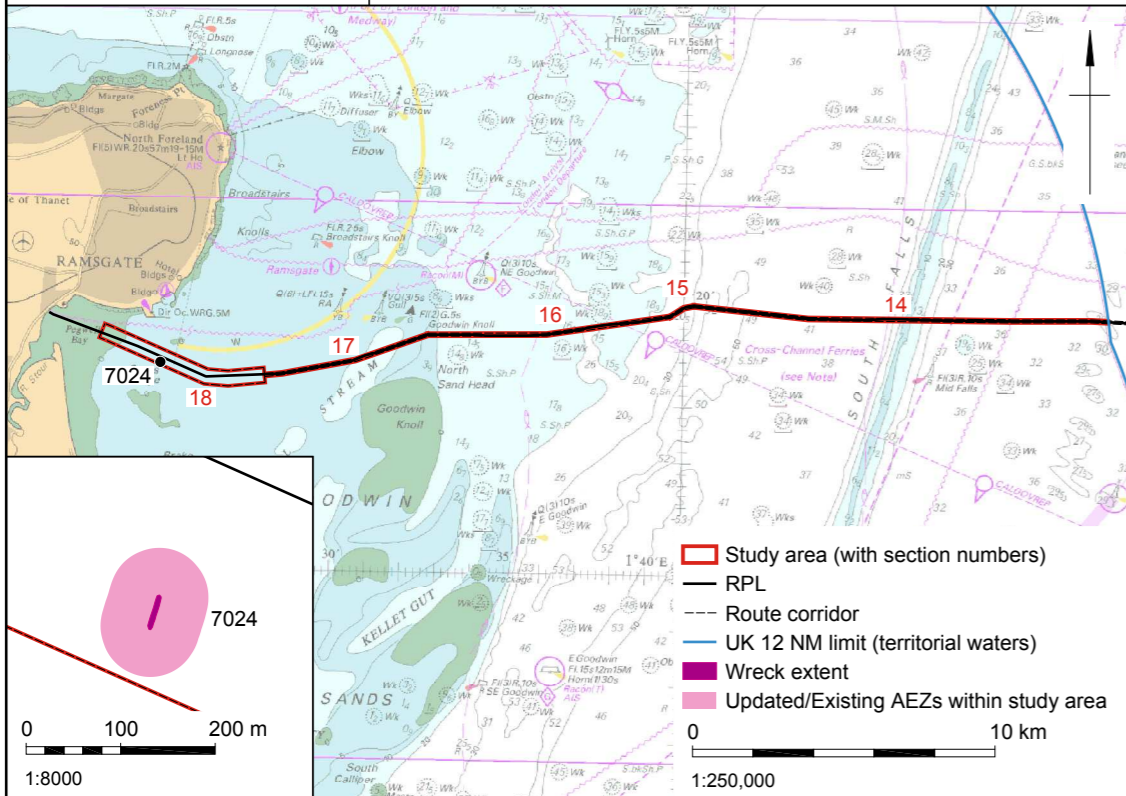
Date:	15/09/2017	Revision Number:	0
Scale:	NTS at A4	Illustrator:	KJF
Path:	W:\Projects\115580\Graphics_Office\Rep figs\Geophys\2017_09_08		

WA ID 7024 - Unknown

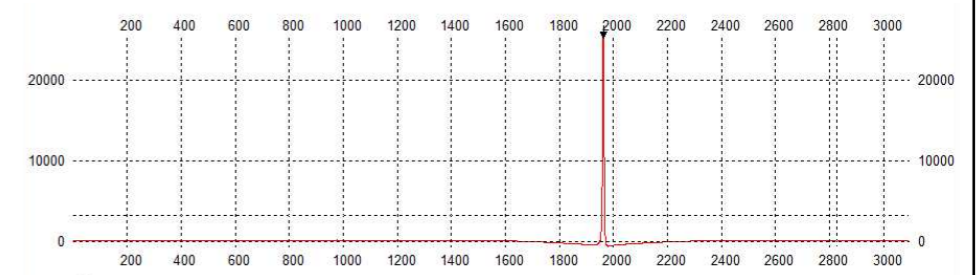
Location		389784 E, 5685533 N	Area	Section 18
Archaeological Importance		High		
Geophysical survey dimensions and notes		<p>Wreck 7024 corresponds to UKHO record (85569) for an unidentified dangerous wreck. From the sidescan sonar data and bathymetry we can clearly see a large intact vessel structure possible with its western side partially buried by sediment. Located in an area of various sizes of bedforms, indicating potential for partial, currently, or full burial, potentially in the past or future.</p> <p>The wreck measuring 37.9 x 5.6 x 0.35 m appears to have a visible two rectangular depressions in its main body, aligned short end to short end along the structure. It has a large associated magnetic anomaly of 32,014 nT indicating it is likely of ferrous construction.</p> <p>The UKHO record (85569) suggests a possible barge, indicated by the structure.</p>		
Build	Type	Likely a barge		
	Construction	Likely metal		
	Dimensions	Unknown		
	Shipyard	Unknown		
Loss	Cause	Unknown		
Extent of Survival		The wreck appears to be intact and upright visible in all current geophysical datasets. It appears the wreck is well preserved as the UKHO records the wreck as measuring 37.7 x 4.5 x 0.8 m which is very similar to the current extents measured.		



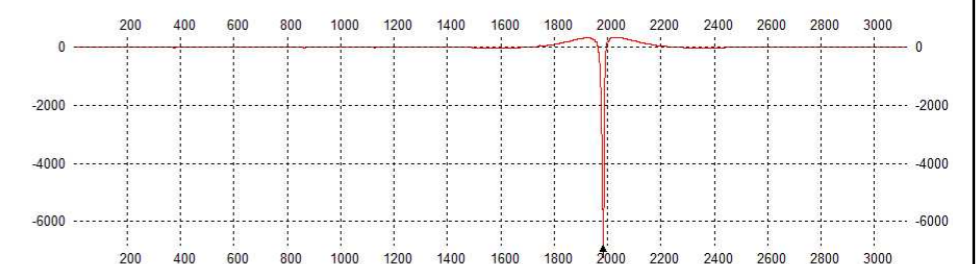
Sidescan sonar image of **7024**, measuring 37.9 x 5.6 x 0.35 m



Multibeam bathymetry image of **7024** looking north-north-east (x1 vertical exaggeration)



Magnetic profile of **7024** measuring 32,014 nT (positive peak)



Magnetic profile of **7024** measuring 32,014 nT (negative peak)

Drawing projection: UTM WGS84 z31N.
 Geophysical data acquired in 2016 by Gardline Geosurvey Ltd.
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Path:	W:\Projects\115580\Graphics_Office\Rep figs\Geophys\2017_09_08				



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