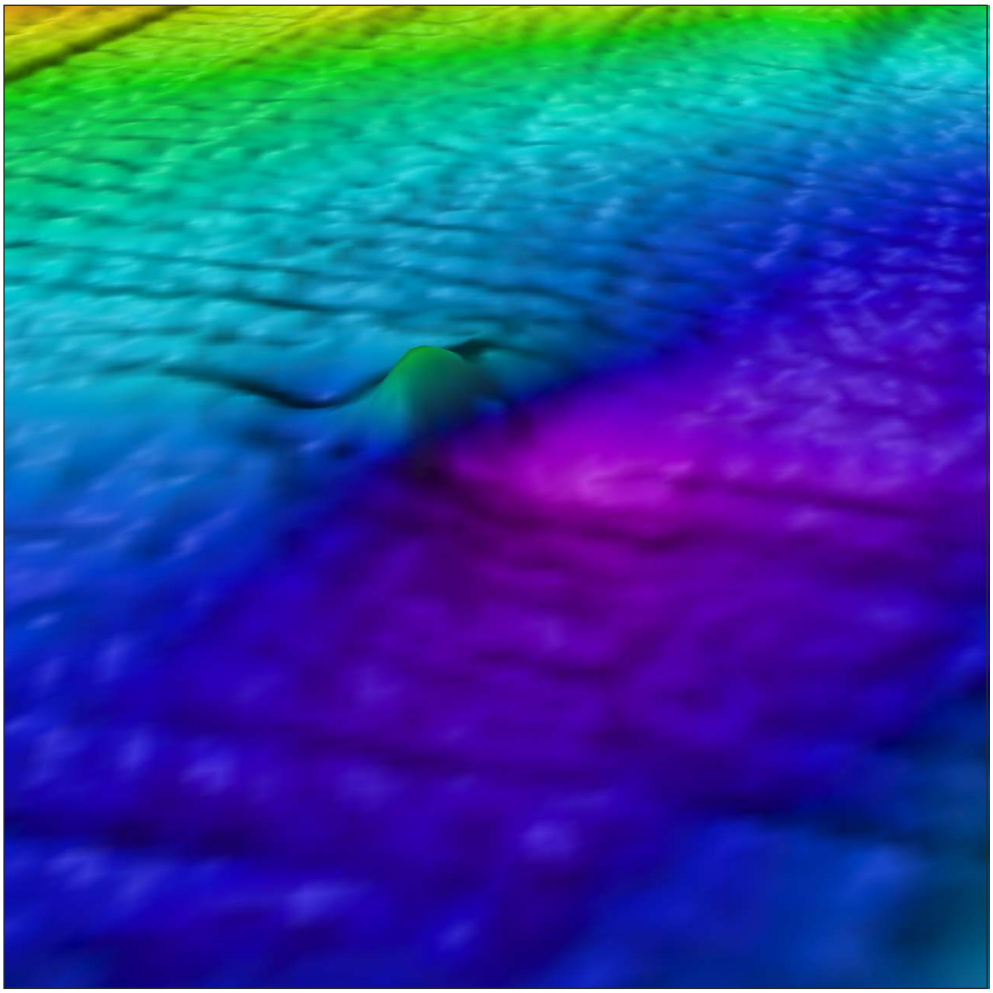
making sense of heritage

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data



Ref: 69682.04
July 2014

geoservices

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data

Prepared for:
Royal Haskoning DHV
2 Abbey Gardens
Great College Street
Westminster
SW1P 3NL

On behalf of:
Dudgeon Offshore Wind Ltd.
c/o Warwick Energy Ltd.
Wellesbourne House
Wellesbourne
Warwickshire
CV35 9JB

Prepared by:
Wessex Archaeology
Portway House
Old Sarum Park
Salisbury
SP4 6EB

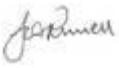
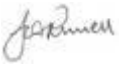
www.wessexarch.co.uk

July 2014

69682.04

Quality Assurance

Project Code	69682	**Accession Code**		**Client Ref.**	
Planning Application Ref.		**Ordnance Survey (OS) national grid reference (NGR)**			

Version	Status*	Prepared by	Checked and Approved By	Approver's Signature	Date
v02	E	*Stephanie Arnott* *Rachel Chester* *Abby Mynett*	*Louise Tizzard*		16/06/14
File:					
V03	E	*Rachel Chester*	*Jack Russell*		19/06/14
File:					
V04	F	*Rachel Chester*	*Jack Russell*		31/07/14
File:					
File:					
File:					

* I = Internal Draft; E = External Draft; F = Final

DISCLAIMER

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data

Contents

Figures

Tables

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data

Summary

Wessex Archaeology was commissioned by Royal Haskoning DHV on behalf of Dudgeon Offshore Wind Limited (DOW) to conduct an archaeological assessment of geophysical data obtained over the site of the Dudgeon Offshore Wind Farm and its associated export cable route. An archaeological interpretation and assessment of sidescan sonar, magnetometer and multibeam bathymetry data was undertaken.

For the purpose of reporting the study area was separated into the Offshore Wind Farm and the Export Cable Route. The Dudgeon Offshore Wind Farm site is situated approximately 32km offshore of Cromer on the north Norfolk coast. The Offshore Wind Farm comprises 67 wind turbine locations and their associated Inter-array cables. A 500m corridor for the Inter-array Cables and a 150m radius buffer zone for each of the wind turbine locations were assessed. The export cable route will make landfall as Weybourne Hope, approximately 5km west of Sheringham; with a 500m corridor being assessed.

Within the assessed Offshore Wind Farm and Export Cable study area six anomalies have been deemed to be of high archaeological importance and designated an A1 archaeological rating. Four of these are magnetic anomalies (**70195**, **70305**, **70400** and **70401**) with high amplitudes (>1000nT) and no seabed expression, indicating a high content of buried ferrous. Debris (**7173**) has retained its A1 status and associated exclusion zone from the previous work in the area (WA, 2009a). The remains of a potential small wreck (**70402**) were identified within the Export Cable Route and is assigned an A1 rating.

One A3 record (**7044**) has been included that relates to an UKHO record and has an associated archaeological exclusion zone from the previous phase of work. This area was not covered by the geophysical datasets and so its presence cannot be confirmed.

The remaining 906 anomalies within the study area have been classified as A2 rating (Uncertain origin of possible archaeological interest). The high resolution of the geophysics data has enabled more anomalies of archaeological potential to be identified. Of these, 478 are isolated anomalies with dimensions greater than 3m and/or magnetic amplitude more than 50nT and have been treated as being of archaeological importance. Any anomalies smaller than this may be archaeological in origin; but are given a lower significance in terms of mitigation.

Archaeological exclusion zones are recommended around seabed features with A1 archaeological potential. If these anomalies cannot be avoided and are to be impacted during the development then further investigation is highly recommended to determine the nature of these anomalies. The magnetic anomalies with an archaeological rating of A1 are designated so due to their strength. They are recommended not to have exclusion zones. This is because their origin cannot be ascertained as they do not have any surface expression.

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data

Acknowledgements

This report was commissioned by Royal Haskoning DHV on behalf of Dudgeon Offshore Wind Limited (DOW). Wessex Archaeological would like to thank Helen Craven from Royal Haskoning DHV and Michael Corney from Statkraft for their co-operation during the compilation of this report.

The geophysical data sets were acquired and provided by Fugro EMU Limited. Wessex Archaeology is grateful to the staff of this organisation for their co-operation.

Abby Mynett, Genevieve Shaw, Patrick Dresch, David Howell, Rachel Chester and Stephanie Arnott carried out the processing and interpretation of the geophysical data. This report was compiled by Stephanie Arnott, Abby Mynett and Rachel Chester. Ken Lymer prepared the illustrations. The project was managed for Wessex Archaeology by Jack Russell. Quality Assurance was conducted by Louise Tizzard and David Howell.

Dudgeon Offshore Wind Farm

Geophysical Assessment of 2013 Data

1 INTRODUCTION

1.1 Project Background

1.1.1 Wessex Archaeology (WA) was commissioned by Royal Haskoning DHV on behalf of Dudgeon Offshore Wind Limited (DOW) to conduct an archaeological assessment of geophysical data obtained over the site of the Dudgeon Offshore Wind Farm and associated export cable route.

1.1.2 WA was asked to undertake an archaeological review of the geophysical data, acquired in 2013 by Fugro EMU Limited. This data consists of magnetometer, sidescan sonar and multibeam bathymetry data.

1.1.3 This assessment follows the 2009 desk-based assessment and assessment of geophysical data acquired by Gardline Geosurvey in 2007 and 2008 (WA 2009a) over the offshore wind farm and export cable route. A second assessment of further 2008 geophysical data (WA 2009b) was conducted over an extension area to the north of the original wind farm site.

1.2 Development Description

1.2.1 The Dudgeon Offshore Wind Farm (OWF) site is situated approximately 32km offshore of Cromer on the north Norfolk coast (**Figure 1**). The export cable route will make landfall at Weybourne Hope, approximately 5km west of Sheringham.

1.2.2 The offshore development area has altered since the earlier geophysical assessments (WA 2009a and b). The current proposed wind turbine generator (WTG) layout consists of 67 turbines in an area measuring approximately 10km by 5km. This area overlies the main part of the earlier wind farm site as well as the southern edge of the variation area (**Figure 1**).

1.2.3 The area reviewed as part of this assessment includes a 300m x 300m box centred at each of the 67 WTG positions and a 150m corridor on either side of the Inter-array Cable Routes. The Export Cable Route also includes a 250m corridor either side of the main route. Additionally all data acquired in the designated cable route area has also been assessed.

1.3 Aims and Objectives

1.3.1 The aim of this review was to undertake an archaeological interpretation of geophysical data acquired for the Dudgeon OWF. The objectives were as follows:

- *To assess the geophysical data acquired along the Offshore Wind Farm and associated Export Cable Route by Fugro EMU Limited in order to identify whether*

any material of archaeological potential is located on the seabed within the study area.

- *To compare the Offshore Wind Farm and Export Cable Route with any desk-based assessment, known archaeological sites and previous work undertaken in the region.*

- *To propose future mitigation for any material of archaeological interest identified.*

2 METHODOLOGY

2.1 Data Sources

2.1.1 Wreck and obstruction data within the Dudgeon OWF area were supplied by the United Kingdom Hydrographic Office (UKHO) and a National Record of the Historic Environment (NRHE) search was carried out prior to the assessment. Any records located within the study area were integrated with the geophysical results during the grouping stage outlined in **Section 2.3**. Further background information was obtained from previous archaeological investigations (WA, 2009a and b).

2.1.2 Any sites, either previously recorded in these datasets or identified during this geophysical assessment, which are located outside of the survey areas are deemed beyond the scope of the current project and are subsequently not included in this report.

2.1.3 The geophysical survey data comprised sidescan sonar, magnetometer and multibeam bathymetry. The survey data were acquired at a higher resolution than the previous survey. The geophysical data used for this report were assessed for quality and each system rated using the following criteria:

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.

Table 1: Criteria for Assigning Data Quality Rating

2.1.4 The sidescan sonar data have been rated as “Good” using the above criteria. The data quality and positioning was found to be of a generally high standard with the high frequency dataset being selected for archaeological interpretation due to the greater resolution.

2.1.5 The magnetometer data were rated as “Good”. The positioning and quality were of a generally high standard and it is a clean dataset with low background noise within which

small anomalies were identified. The multibeam bathymetry data have been rated as "Good".

2.2 Geophysical Survey

2.2.1 The geophysical data were acquired by Fugro EMU Limited between April and October 2013. The data were acquired for an unexploded ordnance (UXO) survey and hence the survey lines are very close together allowing for a high percentage of data coverage.

2.2.2 The magnetometer data were acquired using three magnetometers towed in an array with the resultant line spacing being irregular and less than 5m, as shown by the survey trackplots. The magnetometer data were provided to WA as ten CSV files with the data split into blocks.

2.2.3 The sidescan sonar data were acquired with a range of 35m and an irregular line spacing of less than 10m. High and low frequency sidescan sonar data were provided to WA as XTF files with the data split into blocks and according to acquisition date. The high frequency data were assessed. Positioning for both magnetometer and sidescan sonar sensor types was provided by a USBL system.

2.2.4 The multibeam bathymetry data were acquired with a hull-mounted system and full coverage of the Offshore Wind Farm and Export Cable Route were acquired, with infill lines having been run where necessary. The multibeam bathymetry data were supplied to WA as gridded XYZ files with a cell size of 0.2m.

2.3 Data Processing Methodology

2.3.1 The sidescan sonar data were processed by WA using Coda Geosurvey software. This allowed the data to be replayed with various gain settings in order to optimise the quality of the images. The data were initially scanned to give an understanding of the geological nature of the area and were then interpreted for any objects of possible anthropogenic origin. This involves creating a database of anomalies within Coda by tagging individual features of possible archaeological potential, recording their positions and dimensions, and acquiring an image of each anomaly for future reference.

2.3.2 When measuring targets in sidescan sonar data the maximum length, width and height of each anomaly are measured. If an object is seen on more than one line of data then the anomalies for this object are grouped together. The average position of the anomalies is given for the target. The maximum of each of the three measurement values are given (l x w x h), irrespective of which anomaly the measurement was made on.

2.3.3 A mosaic of the sidescan sonar data is produced during the data processing to assess the quality of the sonar towfish positioning. This allows the position of anomalies to be checked between different survey lines and for the layback values to be further refined if necessary. The navigation information was contained within the data files themselves and errors on positioning are +/-5m.

2.3.4 The magnetometer data were processed by WA using Geometrics MagPick software in order to identify any discrete magnetic contacts which could represent buried metallic debris or structures such as wrecks.

2.3.5 The software enables both visualisation of individual lines of data and gridding of data to produce a magnetic anomaly map. Smoothed averages of the data were first calculated,

and then subtracted from the raw data values in order to reduce the effect of natural variations in the magnetic field such as changes in geology or water depth.

2.3.6 When picking magnetic anomalies the method differs according to whether the feature is a dipole or a monopole. For a dipole the maximum and minimum magnetic values are used to calculate the magnetic amplitude of the anomaly. The position is given as the midpoint of the anomaly. For a monopole the largest deviation of the anomaly from the background magnetic field strength is taken as the magnetic amplitude of the anomaly. The position is given for the point at which this occurs. Magnetic anomalies with amplitudes less than 15nT have been exempt from the interpretation due to the amplitude of natural geology within the area.

2.3.7 The 0.2m cell size of the multibeam bathymetry data was too small for the quality of the data with some data holes apparent and collection artefacts very apparent. WA gridded the provided data with a coarser resolution of 1m and made digital terrain maps using IVS Fledermaus software. These data were examined for evidence of anomalies identified in the sidescan data.

2.3.8 The initial interpretation of the geophysical data sets is 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 area.

2.3.9 To address this fact, the anomalies were grouped together. This allows one ID number to be assigned to a single object for which there may be, for example, a bathymetric anomaly and multiple sidescan sonar anomalies.

2.3.10 Once all the geophysical anomalies have been grouped, a discrimination flag is added to the record in order to discriminate against those which are not thought to be of an archaeological concern. These flags are ascribed as listed in **Table 2**:

Origin	Discrimination Class	Interpretation
Non-Archaeological	U1	Not of anthropogenic origin
	U2	Known non-archaeological feature
	U3	Non-archaeological hazard
Archaeological	A1	Anthropogenic origin of archaeological interest
	A2	Uncertain origin of possible archaeological interest
	A3	Historic record of possible archaeological interest

Table 2: Criteria Discriminating Relevance of Feature to Proposed Scheme

2.3.11 The form, size, and/or extent of an anomaly is a guide to its potential to be an anthropogenic feature, and therefore of its potential 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 of a feature as a result of past impacts from, for example, dredging or fishing. The application of a ratings system is therefore a means of prioritising sites in order to inform further stages of the interpretation process, and on its own is not definitive.

2.3.12 Records of wrecks and obstructions within the Offshore Wind Farm, Export Cable Route and surroundings were obtained from the UKHO. Wreck records include a state of wreck as one of four classifications according to the following definitions:

- *Live – Wreck considered to exist;*
- *Dead – Not detected by repeated surveys, therefore considered not to exist;*
- *Abey – Existence of wreck in doubt - not shown on charts;*
- *Lift – A salvaged wreck.*

2.3.13 Both live and dead wrecks are located within target review areas. Obstructions are limited to undefined features or foul ground. The UKHO does not define types of obstructions but the International Hydrographic Organization (IHO) defines foul ground as an area where the holding qualities for an anchor are poor, or where danger of striking or fouling the ground or other obstructions exists.

2.3.14 The sidescan, magnetic and bathymetry anomalies were grouped together where they correlate. UKHO records that fall within the target review areas were included and grouped where appropriate. This produced the final gazetteer of features. These features are numbered with a WA ID which takes the form of a 70,000 number series. Anomalies that were identified during the previous phases of work (WA, 2009a, and b) were included and grouped where appropriate and have retained their original 7000 numbers. Due to the better quality of the most recent datasets, those anomalies identified during both the current and previous phases of work have had their locations updated.

2.3.15 It must be noted that the current data set is of a higher quality than those used during previous reports (WA, 2009a and b). The small 35m range of the sidescan sonar dataset allows for higher resolution and therefore identification of smaller anomalies that may not have been identified during the previous phase. The recent magnetometer dataset as been acquired at UXO standard and as such at a much higher specification compared to previous surveys and as such an increased number of anomalies have been identified during this assessment.

2.4 Approach

2.4.1 WA was required to process and interpret sidescan sonar, magnetometer and multibeam bathymetry data over buffer zones as follows:

- *500m in total for the Export Cable corridor*
- *300m (150m either side) of the Inter-array Cable Routes*
- *150m radius (box) around the WTG locations*

2.4.2 The twelve legs of the Offshore Wind Farm have been referred to by their associated letter, allocated A to L in a clockwise formation starting from the Export Cable Route. The WTG locations have been referred to by their associated leg and designated numerical reference commencing at the centre point and increasing outwards.

2.4.3 WA processed and assessed all the magnetometer data within the specified areas. The multibeam bathymetry data were processed and assessed over all wreck locations and seabed features of potential archaeological interest identified in the sidescan sonar and magnetometer data. WA processed and assessed the sidescan sonar to ensure a minimum coverage of 200% of the study area. To aid in the interpretation of features, additional infill lines were also interpreted where specific features of potential archaeological interest were identified.

2.4.4 All work was undertaken in WGS84 UTM Zone 31 North projected coordinates. UKHO records are provided in WGS84 geodetic coordinates and these were projected into UTM31N using QGSL Geodetic Calculator software.

3 RESULTS

3.1 Assessment of Seabed Features – Offshore Wind Farm

3.1.1 The results of this assessment are collated in gazetteer format and detailed in **Appendix I** and are illustrated in **Figures 2a and 2b**. For the purpose of reporting the results have been divided into their associated Offshore Wind Farm legs allocated A to L in a clockwise formation starting from the Export Cable Route.

3.1.2 It should be noted that no sidescan sonar, magnetometer or multibeam bathymetry data beyond the immediate study area have been assessed and as such there is the potential for remains of archaeological interest to be present on the seabed beyond the specified study areas that are not mentioned in this report. Below is a summary of the number and types of features identified within the Dudgeon Offshore Wind Farm. The anomalies have been divided into their classifications and have been described accordingly:

Archaeological Discrimination	Number of anomalies	Interpretation
A1	2	Anthropogenic origin of archaeological interest
A2	373	Uncertain origin of possible archaeological interest
A3	0	Historic record of possible archaeological interest with no corresponding geophysical anomaly
Total	**375**	

Table 3: Anomalies of Archaeological Potential in the Offshore Wind Farm

3.1.3 For the purpose of this study area seabed anomalies with an archaeological discrimination of A2, as described above, have been divided into sub-categories depending on their physical size and magnetic amplitude. Anomalies that have magnetic amplitude greater or equal to 50nT and/or greater or equal to 3m in length have been given an archaeological discrimination of an A2 with high potential (**Table 4**). All A2 anomalies whose magnetic amplitude is less than 50nT and are less than 3m in length have been classified as having a lower archaeological potential in terms of mitigation approach, as discussed in **Section 4**. This has allowed for a greater differentiation between A2 anomalies of various sizes.

Archaeological Discrimination	Anomaly Size
A2 (High Potential)	≥ 50nT and ≥ 3m
	< 50nT and ≥ 3m
	≥ 50nT and < 3m
	≥ 3m
	≥ 50nT
A2 (Low Potential)	< 50nT and < 3m

Table 4: Sub-category discrimination of seabed anomalies with A2 archaeological potential

3.1.4 After discrimination and grouping, a total of **375** anomalies have been classified as A1 and A2 archaeological potential rating. There are no historic records of possible archaeological interest (A3) within the Offshore Wind Farm survey area.

3.1.5 This includes 24 A2 anomalies that were originally identified during the first phase of Dudgeon Offshore Wind Farm (WA, 2009a) and its associated northern extension phase

(WA, 2009b). On review of the 2009 geophysical data a number of these anomalies were re-classified as probable natural features. As the current dataset is of a higher quality and has a greater coverage than the previous survey this was primarily used for the identification and archaeological discrimination of anomalies. The anomalies that were originally identified during the first phase have associated 7000 number series in comparison to the 70,000 number series used for current phase. A total of three anomalies have been retained from the 2009 interpretation which were not identified during the current phase. This is due to their proximity to areas of high sediment content which may have led to subsequent burial.

3.1.6 Furthermore, these sites of potential archaeological interest can be classified by probable type, which can further aid in assigning archaeological potential and importance:

Anomaly Classification	Number of Anomalies
Debris	52
Debris Field	5
Bright Reflector	3
Dark Reflector	109
Rope/Chain	3
Seafloor Disturbance	4
Magnetic Anomaly	193
Mound	3
Depression	3
Total	**375**

Table 5: Types of Anomalies Identified in the Offshore Wind Farm

3.1.7 The gazetteers for all 375 features are included in **Appendix I**. The locations of all the features are showing in **Figures 2a and 2b**, and example images of a variety of features types are illustrated in **Figures 3 to 5**.

3.2 Offshore Wind Farm Leg A

3.2.1 A total of 32 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg A study area (**Figure 2a**). All 32 anomalies were given an archaeological discrimination of A2.

3.2.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	5
Debris Field	1
Bright Reflector	1
Dark Reflector	14
Magnetic Anomaly	11
Total	**32**

Table 6: Types of Anomalies Identified in the Offshore Wind Farm Leg A

3.2.3 Of these 32 seabed features, seven were originally identified during the previous phase of work. Two of these anomalies (**7066** and **7063**) were not identified during the current phase of work but have been retained due to their location within an area of high sediment content and possibility of subsequent burial. The remaining five anomalies (**7059, 7064, 7065, 7086** and **7100**) were identified during both the current and previous phases of work.

3.2.4 The debris field, **70016**, is located approximately 2m east of the Inter-array Cable route within the buffer zone of WTG A02. The anomaly is observed as a distinct and isolated area of clear bright reflectors and diffuse dark reflectors. Measuring 7.7m x 2.5m x 0.2m and has a large associated magnetic contact of 167nT indicating that it may be an area of partially buried ferrous debris.

3.2.5 The five pieces of debris (**7063**, **7065**, **7066**, **7086** and **7100**) were all identified during the previous phase of work. **7100** is the most distinct piece of debris with dimensions 2.2m x 1.2m x 1.1m. An isolated and distinct anomaly with two possible near parallel hard edged features and a clear tapered shadow. It is surrounded by depressions, with the largest being to the northeast. **7065** is an angular, and slightly irregular, piece of debris with a trapezium shadow isolated on a quiet seabed towards the western extent of Leg A.

3.2.6 The only piece of ferrous debris, **7086**, is an angular feature with a clear tapered shadow measuring 1.2m x 1.1m x 0.6m with an associated magnetic contact of 76nT. It is located approximately 4m to the northeast of a diffuse dark reflector (**70021**) in the eastern section of Leg A.

3.2.7 **70020** is the only bright reflector identified within the area and is located within the buffer zone of WTG A01. A curvilinear anomaly it measures 2.6m x 0.4m and is isolated on a quiet seabed with no associated magnetic contact. Bright reflectors indicate an area where little or no acoustic energy is returned to the sidescan sonar towfish. As an anomaly that has absorbed acoustic energy and has no associated magnetic contact, **70020** has been interpreted as be waterlogged wood.

3.2.8 The majority of the anomalies consist of individual magnetic anomalies and dark reflectors and they are distributed throughout the area of Leg A. Four of these anomalies (**70000-70003**) are located within the buffer zone of the westernmost WTG A05. The magnetic anomalies range from 17nT (**70015**), located approximately 8m northeast of the Inter-array Cable route, up to 185nT (**70022**) located approximately 9m east of the Inter-array Cable route in the east of Leg A. The dark reflectors have dimensions ranging from 0.6m x 0.5m x 0.3m (**7059**) up to 2.8m x 0.4m x 0.1m (**70014**).

3.3 Offshore Wind Farm Leg B

3.3.1 A total of 20 seabed features with an archaeological classification of A2 were identified within the Offshore Wind Farm Leg B (**Figure 2a**).

3.3.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	5
Dark Reflector	2
Magnetic Anomaly	12
Mound	1
Total	**20**

Table 7: Types of Anomalies Identified in the Offshore Wind Farm Leg B

3.3.3 Of these 20 anomalies two were identified during the previous phrase of work. **7091** was only identified during the previous phase and was not identified during the current phase of work; it has been retained due to its positioning on a sandy seabed which may have led to burial since the previous survey. **7095** was only identified on the sidescan sonar dataset during the previous phase but has been identified on the magnetometer data during the current phase. Therefore; it has been reinterpreted as a piece of buried ferrous debris, measuring 4.0m x 1.0m x 0.3m.

3.3.4 The most common type of anomaly identified was magnetic. Twelve magnetic anomalies are distributed throughout Leg B ranging from 19nT (**70026**) located in the west of the leg to 149nT (**70041**) located in the east of the leg within the buffer zone of B01. A third of the anomalies (**70035**, **70037**, **70033** and **70028**) have amplitudes ranging between 29nT and 32nT. The range and strength of all these anomalies indicate the possibility of buried pieces of ferrous debris.

3.3.5 One of the three mounds that are located throughout the entire Offshore Wind Farm is positioned approximately 14m northeast of the Inter-array Cable route within the buffer zone of B02. **70036** is a low mound with a scour around the western side that was identified on the multibeam bathymetry data measuring 21m x 20m x 0.2m. There is no evidence of this feature on the sidescan sonar and has no associated magnetic response. As such, this could be a natural feature or possibly partially buried, non-ferrous material.

3.3.6 **70034** is a piece of debris located approximately 3m south of the Inter-array Cable route between WTG B02 and WTG B03. A distinct and isolated anomaly it has a clear tapered shadow and dimensions 1m x 0.6m x 0.5m.

3.3.7 A notable linear formation, in a northwest to southeast orientation across 420m, consists of three pieces of debris (**7091**, **7095** and **70029**), two of which are ferrous, and a dark reflector (**70027**). **7091** is the northernmost anomaly of the formation with a sub-oval shadow located on a sandy seabed with the dimensions 4.5m x 1.2m x 0.2m. The two southernmost anomalies, **7095** and **70029**, are probable pieces of ferrous debris. **7095** measures 4m x 1m x 0.3m with an associated magnetic contact of 21nT. However; it was not identified on the sidescan sonar during the current phase suggesting subsequent burial. **70029** is a diffuse anomaly with a distinct triangular shadow with the dimensions 0.9m x 0.8m x 0.3m with an associated medium magnetic contact of 68nT. The final anomaly (**70027**) in the formation is a diffuse dark reflector with a triangular shadow and slight scour measuring 1.5m x 0.9m x 0.4m.

3.4 Offshore Wind Farm Leg C

3.4.1 A total of ten seabed features with archaeological potential were identified within the Offshore Wind Farm Leg C (**Figure 2a**). None of these anomalies were identified during the previous phase.

3.4.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	2
Dark Reflector	5
Magnetic Anomaly	3
Total	**10**

Table 8: Types of Anomalies Identified in the Offshore Wind Farm Leg C

3.4.3 Two pieces of non-ferrous debris were identified in the area. **70046** is an isolated and slightly angular feature measuring 1.9m x 0.6m x 0.5m located immediately to the west of WTG C02. **70043** is another piece of isolated debris with possible curved features and a sub-oval shadow. An associated distinct scour is present to the north and an oblong depression to the east. Measuring 1.8m x 1m x 0.5m it is located to the southwest of WTG C05.

3.4.4 Three distinct magnetic anomalies have been identified distributed throughout the central section of Leg C. These anomalies range from 54nT (**70050**) in the southern extent to 88nT (**70044**) in the northern extent and the largest, measuring 127nT (**70045**), situated in the centre. The large amplitudes of the magnetic anomalies indicate the possibility of buried debris.

3.4.5 The remaining anomalies are all dark reflectors with dimensions ranging from 0.6m x 0.6m x 0.5m (**70047**) up to 2.6m x 0.8m x 0.4m (**70049**) distributed throughout the southern section Leg C. The most notable dark reflectors are **70047**, **70048** and **70049** which are all located within the buffer zone for C02. **70048** and **70049** are both angular anomalies with sub-oval shadows whereas **70047** is the smallest anomaly with a distinct tapered shadow and surrounded by slight depressions.

3.5 Offshore Wind Farm Leg D

3.5.1 A total of 36 seabed features of archaeological potential were identified within the Offshore Wind Farm D study area (**Figure 2a**). All 36 anomalies were given an archaeological discrimination of A2. None of these anomalies were identified during the previous phase.

3.5.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	6
Dark Reflector	19
Magnetic Anomaly	9
Seafloor Disturbance	2
Total	**36**

Table 9: Types of Anomalies Identified in the Offshore Wind Farm Leg D

3.5.3 Of these 36 anomalies six were identified as pieces of debris. One piece of debris, **70061**, has an associated medium magnetic contact of 46nT. This is observed as an isolated diffuse circular dark reflector positioned within a depression and is interpreted as a piece of ferrous debris. Measuring 1.8m x 1 m it is located approximately 12m east of the Inter-array Cable route between WTG D04 and D05. The remaining pieces of debris, **70055**, **70063**, **70066**, **70072** and **70077**, are all non-ferrous and have angular features.

3.5.4 Half of the total seafloor disturbances for the entire Offshore Wind Farm are located within Leg D. **70083** is a distinct isolated area covering 2m x 1m x 0.2m consisting of two dark reflectors with angular shadows. A slight oblong depression is visible before the anomalies. **70085** is a small diffuse area of bright reflectors with a diffuse curved dark reflector covering an area of 1.8m x 0.4m.

3.5.5 Over half of the anomalies within Leg D have been classified as dark reflectors. These anomalies range in size from 0.5m, **70076**, up to 3m, **70078**. One dark reflector that should be noted is **70069**. A hard edged elongated dark reflector measuring 0.9m x 0.2m with a sub-oval shadow indicating a height of 0.3m, it is located within 1m of the Inter-array Cable route to the south of WTG D04.

3.5.6 The remaining nine seabed features are constituted as magnetic anomalies distributed evenly throughout the area. These anomalies range in magnitude from 40nT, **70082**, up to 139nT, **70056**.

3.6 Offshore Wind Farm Leg E

3.6.1 A total of 25 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg E study area (**Figure 2a**). All 25 anomalies were given an archaeological discrimination of A2.

3.6.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	2
Bright Reflector	1
Dark Reflector	4
Magnetic Anomaly	18
Total	**25**

Table 10: Types of Anomalies Identified in the Offshore Wind Farm Leg E

3.6.3 A single anomaly, dark reflector **7147**, was identified during both the current and previous phases of work within the study area of Leg E. A distinct rounded anomaly with a sub-oval shadow it is isolated on a quiet seafloor with the dimensions 1.2m x 0.7m x 0.3m. The remaining dark reflectors, **70090**, **70099** and **70105**, have regular features and are distributed throughout the study area.

3.6.4 Two significantly distinct pieces of debris have been identified within Leg E. The first is an irregular area of debris, **70101**, measuring 18.5m x 10.5m x 0.3m and is located in the northern extent of Leg E (**Figure 3**). A clear elongated dark reflector with a thick oblong shadow is isolated on a quiet seafloor. Lying near perpendicular to this is an irregular area of elongated and angular bright reflectors, some lying at angles to one another. Associated with this irregular area is a very large magnetic contact of 1938nT. The high ferrous content and structural features suggest that this is an area of ferrous debris of anthropogenic origin. A possibly associated diffuse circular bright reflector, **70100**, lies approximately 20m to the northeast with the dimensions 1.2m x 0.9m and has been interpreted as a possible piece of waterlogged wood.

3.6.5 **70093** is a piece of debris with the dimensions 8.1m x 1.9m x 1.3m located to the southeast of WTG E06 (**Figure 3**). This discrete oval area of debris contains patches of irregular diffuse, dark and bright reflectors with a large undefined shadow. This anomaly is the terminus of a distinct curvilinear with an associated oblong shadow stretching for approximately 65m to the northwest. Positioned at intervals throughout this curvilinear are 4 irregular features with rounded or tapered shadows. This has been interpreted as some fishing gear which has become snagged on **70093**. Two magnetic anomalies are located in the vicinity: **70091** measuring 42nT and **70092** measuring 154nT. It is not possible to ascertain for certain which, if either, are associated with **70093** or the attached fishing gear.

3.6.6 The remaining 18 anomalies are individual magnetic anomalies with no associated sidescan sonar or multibeam bathymetry contacts. These anomalies range in magnitude from 15nT, **70095**, which is located within the buffer zone for WTG E05, up to 224nT, **70103**, which is located within WTG E04.

3.7 Offshore Wind Farm Leg F

3.7.1 Offshore Wind Farm Leg F is the most populous of the Offshore Wind Farm areas with a total of 55 seabed features of archaeological potential identified (**Figure 2b**). All 55 anomalies were given an archaeological discrimination of A2.

3.7.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	9
Debris Field	2
Dark Reflector	24
Magnetic Anomaly	19
Seafloor Disturbance	1
Total	**55**

Table 11: Types of Anomalies Identified in the Offshore Wind Farm Leg F

3.7.3 Four of these anomalies: two debris fields, **7138** and **7306**, a piece of debris, **7305**, and a dark reflector, **7332**, were identified during both the current and the previous phases of work. **7138** is a debris field covering an area of 16.3m x 11.9m x 1.2m (**Figure 4**). Located in the southern extent of Leg F it consists of over twenty diffuse dark reflectors, chiefly short and curvilinear in shape. It may be interpreted as a rock dump, however; it has an associated magnetic anomaly of 382nT indicting the presence of ferrous, and therefore the possibility that it contains something more substantial. Debris, **70160**, is located approximately 18m to the northwest may be associated with **7138**. A diffuse elongated dark reflector with the dimensions 16.7m x 0.9m x 0.1m it appears to be fragmented or partially buried ferrous material with an associated magnetic response of 382nT.

3.7.4 The second debris field within Leg F is **7306**, which is located inside the buffer zone of the northernmost WTG, F06 (**Figure 4**). This is a distinct debris field covering an area of 30m x 9.7m x 0.7m and consists of numerous elongated and angular dark reflectors. The three most distinct pieces of debris are angular features with defined rectangular to rounded shadows. Two further elongated dark reflectors with oblong shadows are adjacent to the angular features. Distributed between these larger features are smaller angular and slightly elongated pieces of debris. A large magnetic contact of 546nT is associated with the debris field indicting high ferrous content. This distinct area of debris was designated a rating of A1 during the previous phase of work for the northern extension (WA, 2009b), however; due to the high quality of the current dataset it is recommended that this feature is rated as an A2. There is an absence of wreck-shaped structure, but it may be the degraded remains of a wreck or modern debris. Further investigation would be required to ascertain the nature of this feature.

3.7.5 **7305** is a discrete oval shaped area of debris located amongst, and disrupts, surrounding sand waves. It measures 6.8m x 1.1m x 0.9m and contains numerous curvilinear and circular dark reflectors indicating the possibility of structure. There is a magnetic contact, 168nT, associated with the debris, indicating the presence of ferrous material and the possibility of partial burial. **7305** may be associated with two further pieces of debris in the vicinity. **70121** is a curvilinear dark reflector with the dimensions 0.3m x 0.2m located approximately 22m to the north of **7305**. **70122** is a similar striated anomaly measuring 0.9m x 0.8m and is located approximately 19m to the southeast of **7305**. Neither of these anomalies have height and are located amongst sand waves which may suggest partial burial.

3.7.6 **70123** is a curvilinear pieces of debris with the dimensions 4.9m x 0.4m x 0.1m and lies isolated on the seabed to the south of the buffer zone for WTG F05. The remaining pieces of debris, **70113**, **70125**, **70132** and **70156**, within Leg F all have similar angular features. **70113** has an associated magnetic response of 76nT indicating possible ferrous construction.

3.7.7 The single seafloor disturbance, **70117**, within the study area of Leg F consists of three curvilinear dark reflectors with associated oblong shadows. With the dimensions 20.1m x 7.6m x 0.1m it is isolated and irregular and could indicate possible scouring.

3.7.8 Dark reflectors make up 45% of the anomalies with seabed features with archaeological potential for Leg F. These anomalies range in size from 0.6m, **70134**, up to 16.7m, **70160**. Several dark reflectors should be noted for their proximity to the Inter-array Cable. **70131** is an elongated dark reflector measuring 1.1m x 0.3m x 0.2m. It is located approximately 3m northeast of the Inter-array Cable route to the north east of WTG F05. **70144** is also significant as it is positioned approximately 8m northwest of the Inter-array Cable route between WTG F01 and F02. It is an elongated anomaly with a triangular shadow measuring 1.5m x 0.9m x 0.3m.

3.7.9 The remaining anomalies in the area are individual magnetic anomalies with no associated sidescan sonar or multibeam bathymetry contact, and are therefore interpreted as buried debris. These range in magnitude from 26nT, **70138**, up to 482nT, **70143**. Four of these anomalies, **70138**, **70139**, **70140** and **70146** lie within 20m of the Inter-array Cable. **70140** lies the closest and has a magnitude of 41nT. It is located approximately 5m to the northwest of the Inter-array Cable Route approximately 60m southwest of WTG F03.

3.8 Offshore Wind Farm Leg G

3.8.1 A total of 27 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg G study area (**Figure 2b**). All 27 anomalies were given an archaeological discrimination of A2.

3.8.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Bright Reflector	1
Dark Reflector	7
Magnetic Anomaly	19
Total	**27**

Table 12: Types of Anomalies Identified in the Offshore Wind Farm Leg G

3.8.3 The single bright reflector, **70164**, within Leg G is an irregular, slightly rectangular feature located north of the buffer zone for WTG G06. Isolated on the seabed it has the dimensions 2.2m x 0.8m. **70164** has been classified as a bright reflector because it as it has absorbed rather than reflected the acoustic energy which is characteristic of materials such as waterlogged wood.

3.8.4 The majority (96%) of seabed features of archaeological potential within Leg G are dark reflectors and individual magnetic anomalies. The dark reflectors range in size from 0.6m, **70170**, up to 2.5m, **70187**. **70170** is an angular anomaly that lies approximately 9m northeast of the Inter-array Cable route within the buffer zone of WTG G05. None of the six remaining dark reflectors lie within 30m of the Inter-array Cable route or the buffer zones for the WTG.

3.8.5 The magnetic anomalies range in magnitude from 30nT, **70165** and **70178**, up to 566nT, **70182**. These anomalies have no associated sidescan sonar or multibeam bathymetry contacts and are therefore interpreted as pieces of buried debris. Four of these anomalies should be noted for their proximity to the Inter-array Cable route. **70175** measuring 32nT and **70176** measuring 47nT both lie within WTG G04 and are positioned approximately 2m and 11m, respectively, west of the Inter-array Cable route. Furthermore; **70172** has a

magnitude of 301nT and lies approximately 7m northeast of the Inter-array Cable route between WTG G04 and G05.

3.9 Offshore Wind Farm Leg H

3.9.1 A total of 45 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg H study area (**Figure 2b**). Of these, 44 of the seabed anomalies were classified as A2 and a single A1 anomaly was identified within the area.

3.9.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	7
Dark Reflector	7
Rope/Chain	1
Magnetic Anomaly	30
Total	**45**

Table 13: Types of Anomalies Identified in the Offshore Wind Farm Leg H

3.9.3 The single A1 anomaly, **70195**, within Leg H is an isolated magnetic anomaly with a high magnitude of 1997nT, the greatest throughout the entire Offshore Wind Farm study area. Furthermore; it is located within 1m south of the Inter-array Cable route between WTG H05 and H06. It has been designated as an A1 due to its magnitude, which indicates a significant amount of buried ferrous present with no surface expression. This suggests buried anthropogenic material, possibly buried wreck or related debris.

3.9.4 The remaining 29 individual magnetic anomalies are evenly distributed throughout Leg H and range from 26nT, **70198** and **70199**, to 577nT, **70218**. Some of these anomalies should be noted for their proximity to the Inter-array Cable route or the WTG locations. **70212** has a magnitude of 48nT and is located approximately 2m southwest of the Inter-array Cable route between WTG H02 and WTG H03. **70226** has a magnitude of 38nT and lies approximately 3m southeast of the Inter-array Cable route to the west of WTG H01.

3.9.5 The two pieces of debris, **7130** and **7132**, within the area were identified during both the current and previous phases of work. Both **7130** and **7132** have angular features and measure 0.5m x 0.1m x 0.6m and 1.1m x 0.2m x 0.3m, respectively. The remaining five pieces of debris, **70196**, **70197**, **70203**, **70204** and **70231**, all have similar angular features and range in size from 1m, **70196**, up to 4.5m, **70197**.

3.9.6 A single rope/chain, **70193**, was identified towards the eastern extent of Leg H. A diffuse and curvilinear dark reflector it appears either fragmented or partially buried on a rough seabed with the dimensions 23m x 0.6m x 0.2m. Furthermore; it has an associated magnetic contact of 77nT, indicating the presence of ferrous, and is therefore interpreted as a probable chain.

3.9.7 The seven remaining seabed features of archaeological potential within Leg H are dark reflectors. These dark reflectors range in size from 0.8m, **70223**, up to 2.6m, **70221**. Two of these dark reflectors are located within the buffer zone for WTG H01, with **70223** positioned approximately 13m east of the Inter-array Cable route.

3.10 Offshore Wind Farm Leg I

3.10.1 A total of 25 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg I study area (**Figure 2b**). All 25 anomalies were given an archaeological discrimination of A2.

3.10.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	6
Rope/Chain	1
Dark Reflector	7
Magnetic Anomaly	11
Total	**25**

Table 14: Types of Anomalies Identified in the Offshore Wind Farm Leg I

3.10.3 Two anomalies, **7106** and **7109** were identified during the previous and current phases of work. **7106** is a distinctly elongated anomaly with the dimensions 4.5m x 0.3m x 0.1m with an associated magnetic anomaly measuring 44nT. Located in the east of Leg I it was only identified on the magnetometer data during the current phase indicating that it is possibly a buried piece of ferrous debris. **7109** is a piece of debris that is isolated to the north of **7106.** A distinct angular anomaly, it has some curved features and a clear tapered shadow measuring 2.4m x 1.3m x 0.4m.

3.10.4 **70241** and **70242** are two pieces of angular debris located approximately 9m apart in the central section of Leg I. **70241** is the larger of the two anomalies measuring 2m x 0.7m x 0.6m in comparison to the 1.3m x 0.5m x 0.3m dimensions of **70242**. Both have distinct angular features with rectangular to square shadows.

3.10.5 **70249** is an angular piece of ferrous debris located between WTG I02 and I03. A triangular dark reflector measuring 1m x 0.3m with a defined rectangular shadow giving a height of 0.3, it has an associated magnetic contact of 52nT.

3.10.6 The final piece of debris, **70254**, in Leg I is a distinct elongated feature with an irregular oblong shadow showing some possibly height variation. With the dimensions 2m x 0.2m x 0.3m it is isolated on the seabed within the buffer zone of WTG I01. Furthermore; it is in the vicinity of Inter-array Cables G, H and I.

3.10.7 A single rope/chain, **70250**, was identified within Leg I. A distinct curvilinear dark reflector with associated oblong shadow is isolated on the seafloor approximately 10m east of the Inter-array Cable route between WTG I02 and I03. It measures 12.4m x 0.2m x 0.1m and has a small associated magnetic anomaly of 28nT. The presence of magnetic anomaly indicates that this is probably a ferrous chain.

3.10.8 The remaining anomalies are dark reflectors and magnetic anomalies that are evenly distributed throughout Leg I. The dark reflectors range in length from 0.7m, **70234**, up to 2.5m, **70243**. A dark reflector is **70248**, which is located on the Inter-array Cable route between WTG I02 and I03. A distinct anomaly with a defined tapered shadow it measures 2.4m x 0.8m x 0.3m.

3.10.9 The magnetic anomalies range in magnitude from 25nT, **70235**, up to 184nT, **70246**. **70238** is a magnetic anomaly measuring 168nT and is located approximately 1m to the north of the Inter-array Cable route south of WTG I03. These anomalies are deemed to be buried pieces of ferrous due to the absence of a sidescan sonar contact.

3.11 Offshore Wind Farm Leg J

3.11.1 A total of 29 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg J study area (**Figure 2b**). All 29 anomalies have an archaeological discrimination of A2.

3.11.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	2
Rope/Chain	1
Dark Reflector	12
Magnetic Anomaly	14
Total	**29**

Table 15: Types of Anomalies Identified in the Offshore Wind Farm Leg J

3.11.3 Two pieces of debris (**7097** and **7089**) and a dark reflector (**7108**) were identified within the area were identified during both the current and previous phases of work. **7097** is a distinct piece of angular debris with an elongated hard edge measuring 1.2m x 0.5m and a trapezium shadow giving a height of 0.5m. It is isolated towards the central region of Leg J on a quiet seabed. **7108** is a similar distinct and angular piece of debris with an elongated hard edge and angular features measuring 1.6m x 0.8m x 0.6m and an angular shadow. It is also isolated on a quiet seabed to the northwest of **7097**. The dark reflector, **7108**, is an elongated feature measuring 1.6m x 0.8m with a defined trapezium shadow giving a height of 10.6m.

3.11.4 The single rope/chain, **70273**, identified within Leg J is a diffuse irregular anomaly consisting of a curvilinear dark reflector with an associated oblong shadow and surrounded by small depressions. Isolated on a quiet seafloor within the central section of Leg J it measures 1.7m x 0.1m x 0.1m.

3.11.5 The remaining anomalies are distributed evenly throughout Leg J and consist of dark reflectors and individual magnetic anomalies. The dark reflectors range in length from 0.5m, **70260**, up to 8.3m, **70258**.

3.11.6 The magnetic anomalies range in magnitude from 19nT, **70266**, up to 173nT, **70277**. **70277** is a significant anomaly as it is located approximately 2m west of the Inter-array Cable route. Furthermore; **70281** has a magnitude of 48nT and is located approximately 31m southeast from where all the Inter-array Cables meet and approximately 15m northeast of Inter-array Cable route J. With no associated sidescan sonar anomalies, it suggests that these anomalies are pieces of buried ferrous.

3.12 Offshore Wind Farm Leg K

3.12.1 A total of 26 seabed features of archaeological potential were identified within the Offshore Wind Farm Leg K study area (**Figure 2b**). Twenty-five of the anomalies were classified as A2 and a single A1 anomaly was identified within the area. None of the anomalies were identified during the previous phase of work.

3.12.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	2
Debris Field	2
Depression	1
Dark Reflector	4
Magnetic Anomaly	17
Total	**26**

Table 16: Types of Anomalies Identified in the Offshore Wind Farm Leg K

3.12.3 Over two thirds of the anomalies within Leg K are magnetic anomalies. The most significant is the largest, and the only A1 designated anomaly in the area, **70305**. Located to the southwest of buffer zone for WTG K01, it has a magnitude of 1423nT, the second greatest across the entire of the Offshore Wind Farm. It has been designated an A1 rating due to the absence of an associated sidescan sonar anomaly and therefore indicates the presence of buried ferrous. The size of the anomaly typically corresponds to areas of high ferrous content, which may indicate the presence of buried wreck material or debris.

3.12.4 Two pieces of debris, **70290** and **70293**, both with magnetic contacts were identified within Leg K of the Offshore Wind Farm. The most distinct is **70290** which is located towards the southern extent of Leg K. Measuring 1.9m x 1.2m x 0.6m it is a distinct anomaly with a hard edged 'U' shaped structure and a defined tapered shadow. Surrounding the piece of debris are possible depressions. It has a large associated magnetic contact of 203nT indicating that it is a piece of ferrous debris of possible archaeological interest.

3.12.5 Two debris fields, **70292** and **70297**, are located within Leg K. **70292** is located towards the southern extent of Leg K approximately 41m east of the Inter-array Cable route (**Figure 5**). A series of overlapping and adjacent curvilinear and angular features it covers an area measuring 10.3m x 6.1m x 0.2m and has an associated magnetic contact of 135nT. The longest individual piece of debris within the area measures 2.7m x 0.2m x 0.1m and is a curvilinear feature partly separated from the rest.

3.12.6 The remaining individual magnetic anomalies are evenly distributed throughout the study area of Leg K. These A2 anomalies range in magnitude from 16nT, **70301**, to 362nT, **70296**.

3.13 Offshore Wind Farm Leg L

3.13.1 Offshore Wind Farm Leg L is the most diverse area with a total of 45 seabed features of archaeological potential ranging across six classifications (**Figure 2b**). All 45 anomalies were given an archaeological discrimination of A2.

3.13.2 These sites of potential archaeological interest have been classified by probable types:

Anomaly Classification	Number of Anomalies
Debris	6
Seafloor Disturbance	1
Depression	2
Mound	2
Dark Reflector	4
Magnetic Anomaly	30
Total	**45**

Table 17: Types of Anomalies Identified in the Offshore Wind Farm Leg L

3.13.3 Three anomalies were identified during the current and previous phases of work, **7057**, **7058** and **7069**. All three of these anomalies are located within the central area of Leg L, in the vicinity of WTG L03. The two pieces of non-ferrous debris, **7057** and **7058**, are located south of the WTG. **7057** is a distinct and hard edged anomaly with a defined triangular shadow measuring 2.3m x 0.4m x 0.5m and is located within a slight depression on a quiet seafloor. Located to the southwest is **7058**; an elongated anomaly with a defined tapered shadow it measures 1.7m x 1m x 0.4m. **7069** is a dark reflector and is located within the buffer zone of WTG L03 itself. A distinct anomaly on a rough area of seabed it has a tapered shadow and measures 1m x 0.4m x 0.3m.

3.13.4 Two pieces of ferrous debris are located within Leg L. **70332** is a diffuse rectangular dark reflector with a defined tapered shadow measuring 1.7m x 1.1m x 0.4m with a small associated magnetic contact of 16nT, indicating that it may be partially buried. **70343** is a small and elongated anomaly measuring 1.3m x 0.1m x 0.1m with a medium associated magnetic contact of 39nT. Isolated on the seafloor with a small depression surrounding it, indicating it may be of anthropogenic origin.

3.13.5 Located towards the northern extent of Leg L, **70346** is a distinctly angular piece of non-ferrous debris. Measuring 1.8m x 0.6m x 0.3m it has hard edged angular features with some possible curvature.

3.13.6 The final piece of debris, **70323**, is located approximately 43m to the southwest of the previously mentioned **7057**. **70323** is a distinct curvilinear piece of debris with the dimensions 53.0m x 0.3m 0.1m, and it passes through and is possibly associated with a depression, **70324**, measuring 6m x 6m with a depth of 0.1m. The piece of debris extends 41m to the southeast and 17m to the north of the depression.

3.13.7 The only seafloor disturbance within Leg L is **70348**, measuring 3.3m x 2.5m x 0.1m and isolated on a quiet seafloor. It consists of a dark reflector with a tapered shadow surrounded by two semi-circles; a dark reflector to the north and a bright reflector to the south.

3.13.8 Two thirds of the total anomalies within Leg L were magnetic anomalies. Thirty magnetic anomalies were identified within Leg L with no associated sidescan sonar contact. These anomalies ranged in strength from 16nT to 238nT. The anomaly with the greatest magnitude, **70315**, is located to the west of Leg L within WTG L04; whereas, the smallest magnetic anomaly, **70327**, is located further east.

3.13.9 Two of these individual magnetic anomalies lie within 5m of the Inter-array Cable. **70320** and **70321** are both of low magnitude, measuring 48nT and 39nT respectively, and are located between WTG L03 and L04. **70320** lies within a meter to the south of the Inter-array Cable route whilst **70321**, located approximately 170m to the northwest, lies approximately 4.5m south of the Inter-array Cable.

3.13.10 **70349** is a magnetic anomaly located within 60m of where the Inter-array Cables join and has a distinctively high magnitude, 111nT. It is located approximately 7m east of Inter-array Cable route L and approximately 17m east of Inter-array Cable route K. This indicates the possibility of a buried piece of debris.

3.14 Assessment of Seabed Features – Export Cable Route

3.14.1 A total of **1098** seabed features were identified by WA in the geophysical survey data for the Dudgeon Export Cable Route. A large number of these, **567**, were interpreted to be outside the survey area or probable seabed features such as boulders and cobbles on the seabed and natural magnetic fluctuations during the anomaly grouping and discrimination stages of analysis. After grouping, a total of **531** anomalies have been classified as A1 and A2 archaeological potential rating (**Figure 6a – 6d**). There is one historic record of possible archaeological interest (A3) within the cable route survey area.

3.14.2 In addition to this a total of **36** seabed features were identified during the first phase of Dudgeon Offshore Wind Farm (WA, 2009a) and its associated northern extension phase works (WA, 2009b). Of these, **17** were either identified again in the most recent high resolution geophysical survey or carried forward due to their original interpretation and

anthropogenic nature. These anomalies have been divided into their classifications and have been described accordingly:

Archaeological Discrimination	Number of anomalies	Interpretation
A1	4	Anthropogenic origin of archaeological interest
A2	526	Uncertain origin of possible archaeological interest
A3	1	Historic record of possible archaeological interest with no corresponding geophysical anomaly
Total	**531**	

Table 18: Anomalies of Archaeological Potential within the Export Cable Route

3.14.3 Furthermore, these sites of potential archaeological interest can be classified by probable type, which can further aid in assigning archaeological potential and importance:

Anomaly Classification	Number of Anomalies
Recorded Wreck/Obstruction	1
Wreck	1
Debris	129
Debris Field	6
Bright Reflector	2
Dark Reflector	45
Rope/Chain	9
Seafloor Disturbance	2
Magnetic Anomaly	331
Mound	5
Total	**531**

Table 19: Types of Anomalies Identified in the Export Cable Route

3.14.4 The gazetteers for all **531** seabed features of archaeological interest are included in **Appendix II**. The locations of these features are shown in **Figures 6a and 6b**, and data examples of a variety of features are illustrated in **Figures 7 to 9**.

3.14.5 Debris **7173** is classified as A1 and was originally identified during the first phase of Dudgeon Offshore Wind Farm (WA, 2009a) and its associated northern extension phase works (WA, 2009b). This has not been observed on the current survey dataset and as such could have subsequently been buried by mobile sands and sediments. It is located in the central area of the Export Cable Route and is interpreted to be large debris or possible wreck remains. The anomaly has geophysical dimensions of 35.3m length, 5.4m width and a height of 0.2m. There is no associated UKHO record for this possible debris/wreck remains.

3.14.6 **70400** is a very large and isolated magnetic anomaly identified in the current geophysical dataset in the central northern section of the Export Cable Route. The possible buried ferrous debris has a magnetic value of 1010nT and is visible as a very distinct magnetic dipole anomaly in the high resolution survey dataset. No corresponding seabed features have been identified at the location of this anomaly, which is richly inundated with large sand waves/geological outcroppings and as such it can be inferred than any ferrous debris or possible wrecks were covered by sands and sediments during the execution of the geophysical survey.

3.14.7 **70401** is another isolated magnetic anomaly with no corresponding seabed features visible in either the sidescan sonar or multibeam bathymetry datasets. The magnetic anomaly has a recorded value of 1818nT and is a very large and distinct positive monopole in the central extent of the Export Cable Route. As there is no evidence for

ferrous debris or shipwreck on the surface of the seabed it must be assumed that these remains are currently buried under sand and sediments.

3.14.8 **70402** has been classified as unidentified wreck remains which was not identified in the previous geophysical survey datasets (**Figure 7**). The wreck has geophysical dimensions of 13m x 9m x 0.7m and is visible in all of the datasets. The wreck has a large dipole magnetic anomaly with an amplitude value of 1387nT which suggests a largely ferrous composition. This is also identifiable in the multibeam bathymetry data as a medium to large mound orientated 050/230°. In the sidescan sonar imagery the wreck appears as a broken up collection of hard edged and diffuse dark reflectors with large and bright shadows, which is very distinct against the surrounding seabed.

3.14.9 **7044** has been assigned an A3 archaeological rating and is a UKHO record for the *Rosalie* (Possibly) wreck. This vessel was a 4248 gross ton British Collier built in 1914 and was sunk by UB-11. The vessel is recorded as having dimensions of 114.6m length, 15.8m beam and a draught of 7.3m. None of the geophysical datasets covered the recorded location of this wreck, however it recorded as **LIVE** in the UKHO data and does fall within the Export Cable Route corridor and as such should be treated as a physical cultural heritage asset.

3.14.10 The remaining features have been classified as A2 (Uncertain origin of possible archaeological interest).

3.14.11 There are **129** pieces of possible debris identified across the Export Cable Route, **68** of these have also had a magnetic anomaly grouped with them indicating ferrous material is present (**Appendix II**). Debris remain **7153** was identified in both of the geophysical surveys and is composed of a large triangular shaped dark reflector with a bright shadow attached onto a long and thin linear dark reflector. The debris has dimensions of 6m x 5m and is situated in a depression (-0.1m). This has a very large and distinct magnetic anomaly associated measuring 1878nT indicating ferrous material. Four further pieces of debris identified in the Export Cable Route have magnetic anomalies associated with them measuring over 1000nT (**70819**, **70751**, **70722** and **7180**).

3.14.12 The smallest piece of debris identified on site is **70754** with dimensions of 0.5m x 0.1m and a height of 0.4m. This is visible in the sidescan sonar dataset only as a hard edged and distinct rectangular shaped dark reflector with a bright shadow, there appears to be a more diffuse and thin linear dark reflector coming off this. This anomaly also has a distinct magnetic asymmetric dipole anomaly across a number of lines associated measuring 258nT indicating some ferrous material is present

3.14.13 **7161** is the largest piece of debris identified in the Export Cable Route, measuring 11.8m x 1.5m x 0.5m height. This is a large, linear shaped dark reflector anomaly with a shadow identified on the seabed. This was only identified in the previous phase of works datasets and may or may not have been subsequently covered by sands and sediments.

3.14.14 Six debris fields have been identified across the Export Cable Route, two of which (**7188** and **7175**) were also identified in the previous phases of work. **7175** is an elongated area of debris that was only identified during the previous phase of work and not the current phase. **7175** covers an area of 108m x 6m and could possibly be a natural feature. **7188** is a medium sized spread of debris remains with a total extent of 10m x 3m x 0.1m (**Figure 8**). The spread contains hard edged and diffuse dark reflectors and bright reflector anomalies consisting of various shaped anomalies such as linear, rectangular and curvilinear. The debris field is orientated 090/270° and also has a high magnetic anomaly associated with it measuring 849nT indicating some of the debris is ferrous.

3.14.15 **70710** is a small spread of likely ferrous debris remains measuring 4.1m x 1.4m and maximum height of 0.5m. The debris is made up of three hard edged dark reflectors with shadows situated across small sand waves, the largest of which measures 1m x 0.3m. The anomalies look highly anthropogenic and have a magnetic signature of 626nT associated with them present across a number of survey lines.

3.14.16 Nine possible rope/chain remains have been identified across the Export Cable Route. Anomaly **70818** is likely rope/chain remains located on a flat and even part of the seabed. The debris has dimensions of 19.4m x 1.4m and a height of 0.3m and appears as a diffuse long and thin dark reflector with a faint shadow, on one end of the remains a 'hook' shaped part is visible (**Figure 9**). There is a large magnetic dipole anomaly across a number of survey lines associated with this measuring 249nT, which could tentatively be identified as a ferrous anchor.

3.14.17 There are two bright reflectors identified in the Export Cable Route, **70715** and **70734**. The former is the larger of the two anomalies having geophysical dimensions of 3.1m x 2.4m and no measurable height. This is visible as a medium sized oval shaped diffuse bright reflector, possibly a depression on the seabed. This also has a small associated magnetic anomaly recorded measuring 20nT indicating ferrous material could be present. The second bright reflector (**70734**) has dimensions of 1.7m x 1.1m and no measurable height. This again is a diffuse bright reflector, distinct and isolated on a flat and even part of the seabed.

3.14.18 Two areas of seafloor disturbance have been identified across the survey area (**70730** and **70832**). The latter is a medium sized area of possible seafloor disturbance comprising irregular shaped hard edged dark reflectors with bright shadows and a small number of bright reflectors; this appears buried/partially buried (**Figure 9**). The area has dimensions 8.7m x 7.8m and a maximum height of 0.7m with the largest anomaly measuring 1.8m. This area has a magnetic anomaly associated with it recorded across a number of lines measuring 456nT indicating ferrous material is present.

3.14.19 There are 45 dark reflector anomalies recorded across the cable route site, five of which were also recorded in the previous survey. The largest dark reflector is **70717**, a long and thin hard edged linear dark reflector with no shadow and measurements of 14.4m x 0.2m. The linear is partially broken up and abraded and located in-between sand waves. The smallest dark reflector recorded is **70829** with dimensions of 0.4m x 0.2m x 0.3m. This is visible as a hard edged curvilinear dark reflector with a long and bright shadow, located on a gravelly and rocky part of the seabed.

3.14.20 Five mounds have been identified across the survey area, two of which have been identified in both sets of geophysical data and have magnetic signatures associated with them (**7156** and **7185**). The mounds have principally been identified in the multibeam bathymetry data.

3.14.21 **70403** is an elongated mound orientated 020/200° with dimensions of 17m x 5m x 0.4m. This feature is located at the extreme inshore area of the Export Cable Route and is situated 70m from a LIVE wreck, the *Rosalie* (possibly) UKHO 10616 (**7044**). Similarly mound **70404** is located 95m away from the same wreck, orientated 030/210° and with dimensions of 16m x 4m x 0.6m. Neither of the mounds dimensions match those of the wreck records, however there is still a possibility that these may relate to the wreck and given that the geophysical survey does not extend across the records location they cannot be dismissed as cultural heritage assets.

3.14.22 There are **331** magnetic anomalies across the site that have been assigned an A2 archaeological potential rating with no associated seabed features identified, their interpretation at this stage is that they are potentially buried ferrous debris remains. Given the large number of anomalies those with a magnetic signature of greater than 50nT are categorised as being of possible archaeological interest, however any distinct anomalies of less than this cannot be discounted without further investigation. Eleven of these magnetic anomalies have also been identified in the previous magnetometer data.

3.14.23 The smallest of these anomalies is **70576** which is a small, but distinct positive monopole measuring 17nT. This is an isolated anomaly located in the southern section of the Export Cable Route. The largest magnetic anomaly assigned an A2 archaeological potential rating is **70574** which has a recorded value of 846nT and appears as a very distinct positive monopole in the profile data. This has no associated seabed features in its vicinity which suggests it is buried ferrous debris remains.

3.14.24 **70890** is a medium sized distinct magnetic anomaly identified in the central western section of the cable corridor measuring 101nT. This anomaly is located approximately 145m to the southeast of an UKHO recorded wreck, 9226, positioned outside the current study area which was designated an A3 rating during the previous phase of work. It may be associated with this wreck but, due to the distance and lack of seafloor expression, cannot be ascertained.

4 DISCUSSION

4.1.1 A total of **906** seabed anomalies with archaeological potential discriminated as A1 (Anthropogenic origin of archaeological interest), A2 (Uncertain origin of possible archaeological interest) and A3 (Historic record of possible archaeological interest) were identified across the wind farm study area and its associated export cable route (**Table** 20).

Geophysical Classification		Offshore Wind Farm	Export Cable Route	Total
A1		2	4	6
A2 (High Potential)	**≥ 50nT and ≥ 3m**	8	23	31
	< 50nT and ≥ 3m	3	2	5
	≥ 50nT and < 3m	6	46	52
	≥ 3m	23	27	50
	≥ 50nT	98	234	332
A2 (Low Potential)	**< 50nT and < 3m**	235	194	429
A3		0	1	1
Total		375	531	**906**

Table 20: Anomalies of Archaeological Potential within the study area

4.1.2 Within the assessed wind farm area two magnetic anomalies (**70195** and **70305**) have been classified as A1 (Anthropogenic origin of archaeological interest) due to their high magnetic amplitude (>1000nT) with no evidence of any feature on the seabed indicating a relatively large buried ferrous body.

4.1.3 Within the cable route area four anomalies have been classified as A1. Debris (**7173**) has been identified in both survey datasets and this has retained its A1 status and associated Archaeological Exclusion Zone. Two magnetic anomalies with amplitudes >1000nT with no surface expression (**70400** and **70401**) and an anomaly that may be the remains of a small wreck (**70402**) have also been classed as A1.

4.1.4 It is recommended that archaeological exclusion zones are implemented around these features. If these anomalies cannot be avoided and are to be impacted during development then further investigation is highly recommended to determine the nature of these anomalies.

4.1.5 One A3 record is included in the gazetteer (**7044**) which relates to a UKHO record and has an associated Archaeological Exclusion Zone from the previous work in the area. None of the geophysics survey data cover this location and as such its presence cannot be confirmed.

4.1.6 The remainder of the anomalies are classified as A2 (Uncertain origin of possible archaeological interest). Due to the high resolution of this survey notably more anomalies of potential archaeological interest have been identified. Of these a significant proportion are isolated features which may have archaeological potential and, if they are to be impacted by the scheme, will require further investigation to ascertain their nature and origin. Based on the assessment anomalies with magnetic magnitude >50nT and greater than 3m in size (any dimension) have been treated as being of potential significance. Anomalies lower than these limits may potentially be archaeological in origin, but are given a lower significance in terms of mitigation.

5 REFERENCES

Wessex Archaeology, 2009a, Dudgeon Offshore Wind Farm: Archaeological Desk Based and Geophysical Assessment, unpublished client report ref. 69680.08

Wessex Archaeology, 2009b, Dudgeon Offshore Wind Farm Extension Area: Archaeological Assessment of Marine Geophysical Data, unpublished client report ref. 69680.04

6 APPENDIX I

Dudgeon Offshore Wind Farm - Leg A

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
7059	Dark Reflector	388963	5901712	A2	0.6	0.5	0.3	-	Distinct anomaly with a tapered shadow. Identified during the current and previous phase.	-
7063	Debris	390059	5901035	A2	3	1.3	0.1	-	Anomaly with tapered shadow situated near sand wave. Identified during previous phase and may have subsequently been buried. Possible piece of buried non-ferrous debris	-
7064	Dark Reflector	388342	5902245	A2	1.6	0.6	0.5	-	Distinct, slightly angular, anomaly with a clear tapered shadow on a quiet seabed. Smaller, possibly associated, features (70006, 70007, and 70008) surround the anomaly. Identified during the current and previous phase.	-
7065	Debris	388306	5902439	A2	1.2	0.8	0.3	-	Angular, slightly irregular, anomaly with distinct shadow isolated on the seabed. Identified during current and previous phase. Possible piece of non-ferrous debris.	-
7066	Debris	389929	5901262	A2	2.5	0.8	0.2	-	Anomaly with tapered shadow situated near sand wave. Identified during previous phase and may have subsequently been buried. Possible piece of buried non-ferrous debris.	-
7086	Debris	390871	5901450	A2	1.2	1.1	0.6	76	Diffuse angular anomaly with a defined tapered shadow visible. Isolated with smaller adjacent anomaly 70021 on a quiet seabed. Associated with a distinct large magnetic dipole. Identified during current and previous phase. Possible piece of ferrous debris.	-
7100	Debris	391215	5902113	A2	2.2	1.2	1.1	-	Isolated and distinct anomaly with a clear tapered shadow with some areas of depression. A circular mound surrounded by a shallow scar was identified on the multibeam bathymetry data. Identified during the current and previous phase. Possible piece of non-ferrous debris.	-
70000	Magnetic	387793	5902855	A2	-	-	-	125	Distinct magnetic anomaly. Possible piece of ferrous material.	-
70001	Magnetic	387791	5902821	A2	-	-	-	98	Distinct magnetic anomaly. Possible piece of ferrous material.	-
70002	Dark Reflector	387830	5902741	A2	1.7	0.5	0.2	-	Distinct, hard edged anomaly, partly curvilinear with a triangular shadow visible on quiet seabed.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
70003	Dark Reflector	387814	5902603	A2	1.3	0.3	0.2	-	Distinct curvilinear anomaly with a tapered shadow visible on a quiet seabed.	-
70004	Dark Reflector	388140	5902450	A2	1.4	0.2	0.2	-	Elongated anomaly with a triangular shadow and slight depression before anomaly on a quiet seabed.	-
70005	Dark Reflector	388326	5902473	A2	2.3	0.7	0.4	-	Irregular anomaly on a quiet seabed with a distinct tapered shadow.	-
70006	Dark Reflector	388326	5902241	A2	1.3	0.3	0.2	-	Elongated and angular with a distinct trapezium shadow on quiet seabed in the vicinity of similar features (7064, 70007, 70008).	-
70007	Dark Reflector	388325	5902231	A2	1.2	0.8	0.4	-	Angular and distinct anomaly with a rounded rectangular shadow on a quiet seabed in the vicinity of similar anomalies (7064, 70006, 70008).	-
70008	Dark Reflector	388324	5902234	A2	0.6	0.1	0.1	-	Elongated anomaly with a short triangular shadow. Proximal to 7064, 70006, 70007.	-
70009	Magnetic	388560	5902408	A2	-	-	-	43	Distinct dipole anomaly. Possible piece of ferrous material.	-
70010	Magnetic	388642	5902227	A2	-	-	-	40	Small but distinct anomaly. Possible piece of ferrous material.	-
70011	Magnetic	388652	5902238	A2	-	-	-	69	Distinct anomaly, possible piece of ferrous material.	-
70012	Dark Reflector	388552	5901962	A2	1.4	0.5	0.3	-	Slightly angular anomaly with a tapered shadow visible on empty seabed.	-
70013	Dark Reflector	388975	5901762	A2	2	0.3	0.6	36	Diffuse area of single or multiple dark reflectors with a distinct shadow showing some possible height variation. Associated with a distinct position magnetic contact. Possible piece of ferrous material.	-
70014	Dark Reflector	389449	5901415	A2	2.8	0.4	0.1	-	Diffuse angular anomaly with an undefined square shadow. Possible depression.	-
70015	Magnetic	389340	5901511	A2	-	-	-	17	Small but distinct anomaly. Possible piece of ferrous material.	-
70016	Debris Field	389811	5901124	A2	7.7	2.5	0.2	167	An area of diffuse anomalies at the end of the data range. They have clear rectangular to sub-oval shadows visible. Some short elongated anomalies visible with rectangular shadows. Located on quiet seabed with an associated distinct large dipole magnetic contact. Possible ferrous debris.	-
70017	Dark Reflector	390059	5900970	A2	1.2	0.3	0.3	-	Slightly elongated anomaly with a distinct rectangular shadow visible. Slight depression before anomaly.	-
70018	Magnetic	390166	5900872	A2	-	-	-	95	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
70019	Magnetic	390248	5900613	A2	-	-	-	40	Small but distinct anomaly. Possible piece of ferrous material.	-
70020	Bright Reflector	390426	5900775	A2	2.6	0.4	0	-	Curvilinear bright reflector isolated on the quiet seabed.	-
70021	Dark Reflector	390868	5901448	A2	0.8	0.3	0.2	-	Indistinct and regular anomaly with diffuse shadow but possibly associated with larger adjacent anomaly 7086.	-
70022	Magnetic	390866	5901520	A2	-	-	-	185	Distinct and large broad positive magnetic monopole anomaly. Possible piece of ferrous material.	-
70023	Magnetic	390938	5901610	A2	-	-	-	28	Distinct dipole magnetic anomaly. Possible piece of ferrous material.	-
70024	Magnetic	391238	5902102	A2	-	-	-	31	Distinct dipole magnetic anomaly. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg B

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
7091	Debris	388362	5904056	A2	4.5	1.2	0.2	-	Anomaly with a sub-oval shadow situated on a sandy seabed. Only identified during the previous phase and my subsequently have been buried. Possible piece of buried non-ferrous debris.	-
7095	Debris	388665	5903768	A2	4	1	0.3	21	Diffuse anomaly with a sub-oval shadow situated on a sandy seabed. Associated with a distinct asymmetrical dipole. Identified on the sidescan sonar during the previous phase only and may sub-sequentially have been buried. Possible piece of buried ferrous debris.	-
70025	Magnetic	387898	5903899	A2	-	-	-	68	Distinct magnetic anomaly. Possible piece of ferrous material.	-
70026	Magnetic	387864	5903966	A2	-	-	-	19	Distinct positive monopole anomaly. Possible piece of ferrous material.	-
70027	Dark Reflector	388485	5903938	A2	1.5	0.9	0.4	-	Isolated but diffuse anomaly with a possible scour and clear triangular shadow visible.	-
70028	Magnetic	388434	5903853	A2	-	-	-	32	Distinct dipole magnetic anomaly. Possible piece of ferrous material.	-
70029	Debris	388580	5903848	A2	0.9	0.8	0.3	68	Diffuse anomaly with a clear and distinct triangular shadow visible. Associated with a distinct positive magnetic contact. Possible piece of ferrous debris.	-
70030	Magnetic	389078	5903380	A2	-	-	-	54	Distinct positive magnetic anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
70031	Dark Reflector	389036	5903059	A2	2.1	0.6	0.2	-	Distinct and isolated elongated anomaly with depression and tapered shadow visible.	-
70032	Magnetic	389963	5902497	A2	-	-	-	74	Clear dipole, possibly two separate magnetic anomalies. Possible piece of ferrous material.	-
70033	Magnetic	390001	5902560	A2	-	-	-	30	Distinct negative monopole magnetic anomaly. Possible piece of ferrous material.	-
70034	Debris	390058	5902328	A2	1	0.6	0.5	-	Isolated and distinct anomaly with a clear tapered shadow visible. Surrounded by a slight depression. Possible piece of non-ferrous debris.	-
70035	Magnetic	390272	5902201	A2	-	-	-	29	Distinct dipole magnetic anomaly. Possible piece of ferrous material.	-
70036	Mound	390352	5902123	A2	21	20	0.15	-	Low mound with a scour around the western side.	-
70037	Magnetic	390722	5902476	A2	-	-	-	30	Distinct dipole magnetic anomaly. Possible piece of ferrous material.	-
70038	Debris	390765	5902378	A2	0.4	0.3	0.4	-	Isolated angular anomaly with a clear rounded rectangular shadow visible.	-
70039	Magnetic	390895	5902684	A2	-	-	-	117	Distinct magnetic anomaly. Possible piece of ferrous material.	-
70040	Magnetic	391116	5902890	A2	-	-	-	49	Isolated but distinct double peaked magnetic anomaly. Possible piece of ferrous material.	-
70041	Magnetic	391217	5902775	A2	-	-	-	149	Distinct magnetic asymmetrical dipole anomaly in a linear formation. No associated sidescan sonar anomaly. Possible piece of ferrous material.	-
70042	Magnetic	391327	5902702	A2	-	-	-	112	Dipole magnetic anomaly. Maximum and minimum on different lines. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg C

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
70043	Debris	387996	5905671	A2	1.8	1	0.5	-	Isolated anomaly with a clear sub-oval shadow visible. A scour is visible to the north and an oblong depression to the east.	-
70044	Magnetic	388813	5904793	A2	-	-	-	88	Dipole magnetic anomaly. Possible piece of ferrous material.	-
70045	Magnetic	389602	5904141	A2	-	-	-	127	Dipole magnetic anomaly. Possible piece of ferrous material.	-
70046	Debris	389690	5904046	A2	1.9	0.6	0.5	-	Distinct, isolated and slightly angular anomaly with a clear tapered shadow. Small depression before anomaly.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External references
70047	Dark Reflector	389893	5904113	A2	0.6	0.6	0.5	-	Isolated and distinct anomaly with a clear tapered shadow visible. Slight depression before.	-
70048	Dark Reflector	389934	5904079	A2	1.6	0.7	0.5	-	Isolated, and slightly elongated and angular anomaly with a clear tapered shadow visible.	-
70049	Dark Reflector	389926	5904086	A2	2.6	0.8	0.4	-	Isolated and slightly angular anomaly with a clear trapezium shadow visible.	-
70050	Magnetic	390427	5903426	A2	-	-	-	54	Asymmetric dipole magnetic anomaly. Possible piece of ferrous material.	-
70051	Dark Reflector	390464	5903416	A2	1	0.5	0.4	-	Isolated, distinct and angular anomaly with a clear sub-oval shadow and areas of bright reflector surrounding the anomaly.	-
70052	Dark Reflector	391287	5903302	A2	2.1	0.9	0.2	-	Isolated anomaly with a clear tapered shadow and an oblong depression.	-

Dudgeon Offshore Wind Farm – Leg D

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70053	Dark Reflector	388154	5907388	A2	1.3	0.9	0.2	-	Hard edged and irregular dark reflector with a bright reflector internal structure/shadow. Rectangular shaped anomaly that could be partially broken up/buried.	-
70054	Dark Reflector	388364	5907607	A2	1	0.2	0.3	-	Hard edged curvilinear dark reflector with a bright shadow, located on a sandy and even part of the seabed.	-
70055	Debris	388489	5907617	A2	1.1	0.8	0.2	-	Diffuse medium sized dark reflector with a strong and bright shadow. Anomaly looks to be partially broken up, distinct possible debris remains on a sandy and even part of the seabed.	-
70056	Magnetic	388624	5907835	A2	-	-	-	139	Irregularly shaped anomaly. Possible piece of ferrous material.	-
70057	Magnetic	388738	5907867	A2	-	-	-	113	Asymmetric dipole in one line with negative monopoles seen in several lines to the north. Possible piece of ferrous material.	-
70058	Dark Reflector	389058	5907963	A2	1.4	0.9	0.4	-	Weak oval to angular shaped anomaly with clear trapezium shadow and scour.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70059	Dark Reflector	389010	5907824	A2	2.9	0.6	0.4	-	Narrow oval shaped anomaly with smaller oval shaped anomaly attached two separate shadows.	-
70060	Dark Reflector	389129	5907714	A2	2.5	0.3	0.4	-	Thick linear anomaly with rectangular shadow, anomaly slightly stretched.	-
70061	Debris	389106	5907642	A2	1.8	1	0	46	Ring shaped anomaly within a depression. Associated with a medium asymmetric dipole anomaly. Possible ferrous debris.	-
70062	Dark Reflector	389073	5907598	A2	1	0.2	0.3	-	Hard edged linear dark reflector with a very bright and distinct shadow, isolated possible debris remains, looks anthropogenic on a flat and even part of the seabed.	-
70063	Debris	389024	5907584	A2	2.6	1.2	0.5	-	Hard edged linear dark reflector with a very bright and distinct shadow, isolated possible debris remains, looks highly anthropogenic on a flat and even part of the seabed.	-
70064	Magnetic	389318	5907548	A2	-	-	-	80	Distinct dipole anomaly. Possible piece of ferrous material.	-
70065	Dark Reflector	389523	5907359	A2	1	0.4	0.2	-	Oval shaped anomaly with prominent shadow.	-
70066	Debris	389551	5907335	A2	8.7	3.8	0	-	Discrete elongated oval shaped area containing short curvilinear dark reflectors in area of bright reflection. Possibly debris.	-
70067	Dark Reflector	389332	5907293	A2	2.1	1.4	0.1	-	Diffuse circular dark reflector anomaly with an internal shadow/bright reflector and a bright shadow, looks anthropogenic on a flat and even part of the seabed.	-
70068	Dark Reflector	389557	5907195	A2	0.7	0.1	0.3	-	Very small but distinct hard edged dark reflector anomaly with a bright shadow, isolated on a sandy and even part of the seabed, possibly natural geology.	-
70069	Dark Reflector	389365	5907026	A2	0.9	0.2	0.3	-	Hard edged, short linear dark reflector with a bright shadow. Very distinct anomaly isolated on a quiet seabed.	-
70070	Dark Reflector	389405	5906638	A2	1.1	0.2	0.4	-	Hard edged, short rectangular shaped dark reflector with a bright shadow. Looks distinctive and anomalous to the surrounding seabed. Located approximately 7m northwest from similar anomaly, 70069.	-
70071	Dark Reflector	389411	5906634	A2	1.3	0.9	0.3	-	Very diffuse looking dark reflector with a large and bright shadow, located on a flat and even part of the seabed, possibly natural geology. Located approximately 7m southeast from similar anomaly, 70068.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70072	Debris	389391	5906581	A2	1.1	0.4	0.2	-	Hard edged, small rectangular dark reflector with a bright shadow and in a large depression, or behind elongated anomaly, looks anthropogenic.	-
70073	Dark Reflector	389198	5906490	A2	1.5	1	0.3	-	Diffuse irregular shaped dark reflector with a bright, thin shadow and in a depression, located on a sandy and even part of the seabed. Could prove to be natural.	-
70074	Dark Reflector	389267	5906486	A2	0.6	0.3	0.3	-	Small and hard edged dark reflector with a bright shadow and in a slight depression. Distinct and isolated anomaly. Could prove to be natural.	-
70075	Dark Reflector	389291	5906424	A2	1	0.2	0.4	-	Hard edged small and thin dark reflector with a long and bright shadow, located on a sandy and even part of the seabed, isolated. Could prove to be natural.	-
70076	Dark Reflector	389399	5906393	A2	0.5	0.2	0.1	-	Hard edged and distinctive shaped dark reflector with a bright shadow. Possible in a depression, possible debris remains isolated on a sandy part of the seabed.	-
70077	Debris	389410	5906388	A2	1.3	0.4	0.3	-	Hard edged and very distinctive dark reflector with a bright shadow and in a depression, isolated anomaly on a sandy and even part of the seabed	-
70078	Dark Reflector	389244	5906317	A2	3	1.1	0.2	-	Diffuse, irregular shaped dark reflector with a bright shadow and appears to be in a large depression. Looks to be slightly broken up/buried, isolated and distinct, although could prove to be natural.	-
70079	Magnetic	389157	5905852	A2	-	-	-	50	Negative monopole. Possible piece of ferrous material.	-
70080	Magnetic	389665	5905383	A2	-	-	-	108	Distinct dipole anomaly. Maximum and minimum on different lines. Possible piece of ferrous material.	-
70081	Magnetic	389809	5905377	A2	-	-	-	41	Irregularly shaped anomaly. Maximum and minimum on different lines. Possible piece of ferrous material.	-
70082	Magnetic	389830	5905343	A2	-	-	-	40	Asymmetric dipole. Maximum and minimum on different lines. Possible piece of ferrous material.	-
70083	Seafloor Disturbance	390120	5905097	A2	2	1	0.2	-	Area of bright and dark reflectors. Possibly containing rocks or debris.	-
70084	Magnetic	390758	5904774	A2	-	-	-	100	Probable dipole, monopoles identified on numerous survey lines. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70085	Seafloor Disturbance	390786	5904629	A2	1.8	0.4	0	-	Small area of principally bright reflectors. May contain small rocks.	-
70086	Magnetic	391137	5903814	A2	-	-	-	53	Distinct dipole anomaly. Maximum and minimum on different lines. Possible piece of ferrous material.	-
70087	Dark Reflector	391330	5903775	A2	1	0.3	0.5	-	Isolated anomaly with a hard dark edge and clear tapered shadow. Surrounded by small depressions.	-
70088	Dark Reflector	391446	5903597	A2	1.1	0.7	0.2	-	A distinct anomaly, possibly individual or two separate adjacent anomalies, with clear rounded shadows. Some angular features visible with diffuse areas.	-

Dudgeon Offshore Wind Farm – Leg E

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7147	Dark reflector	391546	5903955	A2	1.2	0.7	0.3	-	Rounded object with height - shadow extends beyond range. Probable rock but looks rather larger than others seen. Identified during the current and previous phases of work.	-
70089	Magnetic	389701	5908442	A2	-	-	-	60	Distinct dipole anomaly with maximum and minimum on different lines. Possible piece of ferrous material.	-
70090	Dark Reflector	389529	5908327	A2	0.8	0.3	0.2	-	Circular anomaly with height and in possible depression.	-
70091	Magnetic	389810	5908385	A2	-	-	-	42	Dipole seen in several lines, possibly ferrous associated with 70093.	-
70092	Magnetic	389816	5908397	A2	-	-	-	154	Asymmetric dipole seen in several lines, possibly ferrous associated with70093.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70093	Debris	389813	5908388	A2	8.1	1.9	1.3	-	Irregular oval area containing diffuse area of dark reflectors with a clear rounded shadow. Distinct bright reflector linear extending from it to the northwest, possible snagged fishing gear. Possibly associated with magnetic anomalies 70092 or 70091.	-
70094	Magnetic	390084	5908169	A2	-	-	-	20	Dipole with maximum and minimum on adjacent lines. Possible piece of ferrous material.	-
70095	Magnetic	390195	5908089	A2	-	-	-	15	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70096	Magnetic	390238	5908098	A2	-	-	-	140	Distinct dipole, possible associated with adjacent anomaly 70097	-
70097	Magnetic	390238	5908087	A2	-	-	-	67	Distinct dipole. Possible associated with adjacent anomaly 70096.	-
70098	Magnetic	390029	5907538	A2	-	-	-	76	Distinct dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70099	Dark Reflector	390260	5907266	A2	1.1	0.4	0.1	-	Weakly contrasting square shaped anomaly.	-
70100	Bright Reflector	389998	5906942	A2	1.2	0.9	0	-	Oval shaped anomaly.	-
70101	Debris	389979	5906935	A2	18.5	10.5	0.3	1938	Distinct area of irregular anomalies. A clear elongated dark reflector with a thick oblong shadow lies perpendicular to an irregular area of elongated bright reflectors at a series of angles to one another. Associated with a very large magnetic contact. Appears structural so a probable area of anthropogenic ferrous debris. Possible associated with smaller anomaly, 70100, located approximately 20m to the northeast.	-
70102	Magnetic	390084	5906600	A2	-	-	-	137	Distinct dipole anomaly. Possible piece of ferrous material.	-
70103	Magnetic	390159	5906538	A2	-	-	-	224	Negative monopole. Possible piece of ferrous material.	-
70104	Magnetic	390972	5905781	A2	-	-	-	48	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70105	Dark Reflector	391466	5905253	A2	2.2	1.3	0.2	-	Diffuse looking dark reflector with a bright shadow, possibly made up of two anomalies with an outer and inner part, located on a gravelly but even part of the seabed	-
70106	Magnetic	391592	5905104	A2	-	-	-	32	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70107	Magnetic	391597	5905046	A2	-	-	-	95	Asymmetric dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70108	Magnetic	391523	5904729	A2	-	-	-	84	Distinct dipole anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70109	Magnetic	391295	5904329	A2	-	-	-	23	Irregularly shaped anomaly, possible piece of ferrous material.	-
70110	Magnetic	391301	5904186	A2	-	-	-	37	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70111	Magnetic	391400	5904123	A2	-	-	-	35	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70112	Magnetic	391591	5903784	A2	-	-	-	31	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg F

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7138	Debris Field	392020	5904238	A2	16.3	11.9	1.2	382	Large group of mostly diffuse and some hard edged dark reflector, debris field has a huge shadow and is very distinct containing +20 anomalies, chiefly short curvilinear shaped. Possible rock dump. Identified on the multibeam bathymetry data as a distinct mound on a flat and featureless seabed. Identified during the current and previous phases of work.	-
7305	Debris	391864	5906753	A2	6.8	1.1	0.9	168	Discrete oval shaped area containing numerous curvilinear and circular dark reflectors that are possibly structural and area disrupts line of sand ripple, possible ferrous debris. Large associated magnetic contact. Identified during the current and previous phases of work. Probably ferrous debris.	-
7306	Debris field	390692	5907450	A2	30	9.7	0.7	546	Distinct area containing numerous clear linear, oval and circular dark reflectors with oblong to tapered shadows visible. Possibly structural for the larger anomalies. Associated with a large magnetic contact. Possible ferrous debris, which may indicate possible, remains of a wreck site or modern debris. Identified during the current and previous phases of work.	-
7332	Dark Reflector	392967	5905180	A2	2	0.6	0.2	-	Pointed oval shaped anomaly in area of sand ripples. Identified during current and previous phases of work. Identified during the current and previous phases of work.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70113	Debris	390749	5907266	A2	1.9	0.6	0.1	76	Irregular shaped anomaly, interconnecting rectilinear dark reflector at end of survey line. Associated with a magnetic contact. Possible ferrous debris.	-
70114	Dark Reflector	390986	5907176	A2	0.7	0.4	0.2	-	Approximately circular anomaly with scour possibly associated with 70115 and 70116 nearby.	-
70115	Dark Reflector	390985	5907146	A2	1.4	0.4	0.2	-	Approximately oval shaped anomaly with scour possibly associated with 70114 and 70116 nearby.	-
70116	Dark Reflector	390985	5907139	A2	5.2	0.7	0	-	Crossing curvilinear bright reflectors with small approximately rectangular dark reflector at one end. Possibly associated with 70114 and 70115 nearby.	-
70117	Seafloor Disturbance	391106	5907146	A2	20.1	7.6	0.1	-	Three curvilinear dark reflectors in linear orientation- possibly natural but irregular for area. Two circular dark reflectors nearby interpreted as geology.	-
70118	Magnetic	391081	5907083	A2	-	-	-	331	Probably asymmetric dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70119	Dark Reflector	391105	5907032	A2	1.9	0.2	0.2	-	Weak, irregular shaped anomaly.	-
70120	Dark Reflector	391132	5907024	A2	1.7	1.4	0.2	-	Irregular shaped, weakly contrasting anomaly.	-
70121	Debris	391871	5906773	A2	0.3	0.2	0	-	Curvilinear dark reflector but classed as debris as possibly associated with debris, 7305.	-
70122	Debris	391877	5906739	A2	0.9	0.8	0	-	Striated irregular shaped dark reflector in vicinity of debris, 7305 and possibly associated.	-
70123	Debris	391372	5906828	A2	4.9	0.4	0.1	-	Thick curvilinear dark reflector with short linears attached.	-
70124	Dark Reflector	391553	5906660	A2	0.9	0.7	0.1	-	Three small oval shaped dark reflectors grouped together, possibly associated with larger piece of debris 70125.	-
70125	Debris	391553	5906657	A2	2.8	1.2	0.3	-	Larger elongated oval shaped dark reflector with shadow either side possibly indicating that it is partially buried in a depression, possibly associated with anomaly 70124.	-
70126	Dark Reflector	391726	5906644	A2	1.1	0.4	0.2	-	Oval shaped anomaly lying on sand ripple.	-
70127	Dark Reflector	391666	5906586	A2	1.7	0.7	0.3	-	Thick linear anomaly with angular shadow and scour.	-
70128	Dark Reflector	391674	5906577	A2	1.5	0.7	0.3	-	Narrow linear anomaly with scour.	-
70129	Magnetic	391849	5906746	A2	-	-	-	60	Asymmetric dipole. Possible piece of ferrous material.	-
70130	Magnetic	391879	5906687	A2	-	-	-	99	Asymmetric dipole. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70131	Dark Reflector	391222	5907140	A2	1.1	0.3	0.2	-	Thick linear anomaly with prominent shadow in area of sand ripples.	-
70132	Debris	391543	5906894	A2	0.8	0.6	0.2	-	Approximately square anomaly with at least two small circular dark reflectors within it. Slight scour.	-
70133	Dark Reflector	391698	5906759	A2	0.9	0.1	0	-	Narrow linear in area of sand ripples.	-
70134	Dark Reflector	391968	5906517	A2	0.6	0.4	0.1	-	Approximately oval shaped anomaly with square shaped shadow amongst sand waves. Possible geology.	-
70135	Dark Reflector	392054	5906303	A2	2	0.4	0.5	-	Sub rectangular anomaly with elongated shadow, lying on top of area of sand ripples.	-
70136	Magnetic	392034	5906232	A2	-	-	-	62	Dipole seen on several lines. Maximum and minimum on different lines. Possibly associated with magnetic anomaly 70137.	-
70137	Magnetic	392061	5906216	A2	-	-	-	49	Dipole seen on several lines. Maximum and minimum on different lines. Possibly associated with magnetic anomaly 70136.	-
70138	Magnetic	392282	5906231	A2	-	-	-	26	Asymmetric dipole. Possible piece of ferrous material.	-
70139	Magnetic	392610	5905987	A2	-	-	-	44	Irregularly anomaly, possible piece of ferrous material.	-
70140	Magnetic	392611	5905969	A2	-	-	-	41	Asymmetric dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70141	Magnetic	392632	5905840	A2	-	-	-	223	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70142	Magnetic	393182	5905358	A2	-	-	-	28	Distinct positive monopole anomaly. Possible piece of ferrous material.	-
70143	Magnetic	393193	5905299	A2	-	-	-	482	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70144	Dark Reflector	392983	5905355	A2	1.5	0.9	0.3	-	Oval shaped anomaly with triangular shadow and scour.	-
70145	Dark Reflector	392902	5905134	A2	2.2	1.4	0.2	-	Oval shaped anomaly with small circular anomaly adjacent in slight depression.	-
70146	Magnetic	392704	5905178	A2	-	-	-	52	Dipole with maximum and minimum on adjacent lines. Possible piece of ferrous material.	-
70147	Magnetic	392604	5904986	A2	-	-	-	46	Distinct dipole anomaly. Possible piece of ferrous material.	-
70148	Magnetic	392177	5904915	A2	-	-	-	153	Negative monopole. Possible piece of ferrous material.	-
70149	Magnetic	392381	5904896	A2	-	-	-	84	Asymmetric dipole anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70149	Dark Reflector	392175	5904901	A2	2.7	0.4	0.3	-	Possible debris remains; hard edged irregular shaped dark reflector with a bright shadow located on a small sand wave and may be partially buried. Looks more anthropogenic than surrounding likely geology	-
70150	Magnetic	392241	5904864	A2	-	-	-	188	Negative monopole anomaly. Possible piece of ferrous material.	-
70151	Dark Reflector	392219	5904857	A2	1.6	0.3	0.2	-	Hard edged rectangular shaped dark reflector with a bright shadow and on a rough and uneven part of the seabed. Possibly natural geology	-
70152	Magnetic	392406	5904845	A2	-	-	-	35	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70153	Magnetic	392485	5904856	A2	-	-	-	101	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70154	Dark Reflector	392328	5904693	A2	1.3	0.3	0.2	-	Hard edged oval shaped dark reflector with a bright and distinctive shadow on a rough and uneven part of the seabed. Possibly natural geology	-
70155	Dark Reflector	392372	5904649	A2	1.3	0.2	0.2	-	Hard edged irregular shaped dark reflector with a bright shadow, located on an area of the seabed with frequent sand waves, possibly natural geology	-
70156	Debris	392130	5904620	A2	3.8	0.9	0.2	-	Diffuse looking possible debris remains on a rough and uneven part of the seabed. dark reflector, the main part being circular shaped with a curvilinear piece coming off this, looks to be in a slight depression with a bright shadow	-
70157	Dark Reflector	392317	5904472	A2	0.8	0.3	0.4	-	Small, hard edged and distinct dark reflector with a bright and long shadow, located on a rough and uneven part of the seabed, possibly natural geology	-
70158	Dark Reflector	392231	5904359	A2	1.5	0.9	0.2	-	Small but very distinct dark reflector with a bright shadow and in a depression, isolated on a sandy and even part of the seabed, possible scour to the west measuring 5m.	-
70159	Dark Reflector	392055	5904263	A2	1.4	1.3	0.2	-	Very diffuse looking dark reflector with a bright and strong shadow, curvilinear/oval shaped outline on a sandy and even part of the seabed. Possibly natural geology	-
70160	Debris	392011	5904254	A2	16.7	0.9	0.1	382	Diffuse and discreet dark reflector with no shadow looks to be broken up/partially buried small and thin linear anomalies. Close to debris field. Possible scar. Possibly associated with a large magnetic contact. Probable ferrous debris.	-
70161	Magnetic	392040	5904190	A2	-	-	-	37	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70162	Dark Reflector	392022	5903985	A2	2.5	1	0.1	-	Irregularly shaped object with height. Rather indistinct.	-

Dudgeon Offshore Wind Farm – Leg G

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70163	Magnetic	396141	5902180	A2	-	-	-	67	Distinct dipole anomaly. Possible piece of ferrous material.	-
70164	Bright reflector	396135	5902445	A2	2.2	0.8	0	-	Approximately rectangular anomaly.	-
70165	Magnetic	396337	5902561	A2	-	-	-	30	Distinct dipole anomaly. Possible piece of ferrous material.	-
70166	Magnetic	396362	5902772	A2	-	-	-	86	Irregularly shaped anomaly visible in 2 lines but not others in between. Possible piece of ferrous material.	-
70167	Dark reflector	396317	5902789	A2	2.5	0.2	0.1	-	Narrow striated linears.	-
70168	Magnetic	396186	5902841	A2	-	-	-	220	Negative monopole anomaly. Possible piece of ferrous material.	-
70169	Magnetic	396300	5902999	A2	-	-	-	239	Negative monopole anomaly. Possible piece of ferrous material.	-
70170	Dark reflector	392027	5906512	A2	0.6	0.4	0.4	-	Approximately L-shaped anomaly with rectangular shadow.	-
70171	Magnetic	396155	5903312	A2	-	-	-	52	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70172	Magnetic	395937	5903301	A2	-	-	-	301	Distinct dipole anomaly. Possible piece of ferrous material.	-
70173	Magnetic	395912	5903461	A2	-	-	-	38	Positive monopole anomaly. Possible piece of ferrous material.	-
70174	Magnetic	395693	5903466	A2	-	-	-	40	Positive monopole anomaly. Possible piece of ferrous material.	-
70175	Magnetic	395639	5903486	A2	-	-	-	32	Negative monopole anomaly. Possible piece of ferrous material.	-
70176	Magnetic	395627	5903503	A2	-	-	-	47	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70177	Magnetic	395192	5903883	A2	-	-	-	154	Distinct dipole anomaly. Possible piece of ferrous material.	-
70178	Magnetic	394804	5904332	A2	-	-	-	30	Asymmetric dipole anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70179	Dark reflector	394805	5904346	A2	0.7	0.2	0.3	-	Short thick linear anomaly, possible geology.	-
70180	Magnetic	394458	5904315	A2	-	-	-	63	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70181	Magnetic	394472	5904480	A2	-	-	-	36	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70182	Magnetic	394319	5904677	A2	-	-	-	566	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70183	Magnetic	394081	5904955	A2	-	-	-	120	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70184	Dark reflector	393823	5904772	A2	1.9	0.2	0.2	-	Thick linear anomaly.	-
70185	Magnetic	393508	5904659	A2	-	-	-	41	Irregular shaped anomaly seen on a single line. Possible piece of ferrous material.	-
70186	Dark reflector	393032	5904550	A2	1.5	0.4	0.2	-	Narrow rectangular anomaly in area of sand ripples with possible scour.	-
70187	Dark reflector	393032	5904523	A2	2.5	0.9	0.3	-	Hard edged and angular shaped anomaly with a distinct trapezium shadow. Isolated located in-between sand waves with slight scour.	-
70188	Dark reflector	392887	5904334	A2	1.7	0.4	0.1	-	Medium sized hard edged dark reflector with a large shadow, very distinct 'jagged' anomaly located in-between sand waves, possibly natural geology.	-
70189	Magnetic	392338	5903917	A2	-	-	-	100	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg H

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7130	Debris	395116	5901450	A2	0.5	0.1	0.6	-	Very square blocky object, possible debris. Identified during the current and previous phases of work.	-
7132	Debris	395122	5901448	A2	1.1	0.2	0.3	-	Very square blocky object, possible debris. Identified during the current and previous phases of work.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70190	Magnetic	396223	5901458	A2	-	-	-	95	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70191	Magnetic	396226	5901428	A2	-	-	-	202	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70192	Dark Reflector	396258	5901327	A2	1.5	1.3	0.6	-	Hard edged and very distinctive possible debris remains, Thick, curvilinear dark reflector with a very bright and distinctive shadow, anomaly looks slightly broken up on a flat and even part of the seabed	-
70193	Rope/Chain	395918	5901254	A2	23	0.6	0.2	77	Very diffuse looking and possibly partially buried rope/chain remains, visible as a dark reflector with a shadow, located on a rough and uneven part of the seabed. Associated with a medium magnetic contact. Possible ferrous chain.	-
70194	Magnetic	395811	5901231	A2	-	-	-	61	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70195	Magnetic	395732	5901238	A1	-	-	-	1997	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70196	Debris	395737	5901100	A2	1	0.4	0.4	-	Hard edged and very distinctive curvilinear dark reflector with a bright shadow, short scour to the east measuring 1.7m, distinct and anthropogenic looking anomaly	-
70197	Debris	395732	5901102	A2	4.5	0.7	0.4	-	Possible debris remains located on a rough and uneven part of the seabed, partially buried within sand waves, isolated and distinct dark reflector with a bright shadow	-
70198	Magnetic	395553	5901110	A2	-	-	-	26	Positive monopole anomaly. Possible piece of ferrous material.	-
70199	Magnetic	395529	5901128	A2	-	-	-	26	Positive monopole anomaly. Possible piece of ferrous material.	-
70200	Magnetic	395412	5900978	A2	-	-	-	213	Distinct dipole anomaly. Possible piece of ferrous material.	-
70201	Magnetic	395225	5901578	A2	-	-	-	94	Irregularly shaped anomaly seen in several lines. Possible piece of ferrous material.	-
70202	Magnetic	395267	5901966	A2	-	-	-	48	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70203	Debris	395220	5902406	A2	1.4	1.2	0.4	-	Small but thick curvilinear dark reflector possible debris with a large and bright shadow, very distinct anomaly isolated on a rough and uneven part of the seabed. Scour to the Northwest measuring 6.5m in length.	-
70204	Debris	395139	5902487	A2	3	0.5	0.1	-	Hard edged irregular shaped dark reflector on the edge of the survey file, Has a larger central piece and thin curvilinear diffuse dark reflectors coming off this. Possible debris remains.	-
70205	Magnetic	395089	5902764	A2	-	-	-	52	Dipole anomaly. Possible piece of ferrous material.	-
70206	Magnetic	394870	5902688	A2	-	-	-	346	Asymmetric dipole anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70207	Magnetic	394792	5902673	A2	-	-	-	139	Negative monopole in a single line. Possible piece of ferrous material.	-
70208	Magnetic	394786	5902665	A2	-	-	-	148	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70209	Magnetic	394828	5902884	A2	-	-	-	65	Negative monopole seen in 2 lines but not others in-between. Possible piece of ferrous material.	-
70210	Magnetic	394651	5903024	A2	-	-	-	49	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70211	Magnetic	394564	5903019	A2	-	-	-	29	Positive monopole in a single line. Possible piece of ferrous material.	-
70212	Magnetic	394095	5903355	A2	-	-	-	48	Dipole in a single line. Possible piece of ferrous material.	-
70213	Magnetic	393688	5903636	A2	-	-	-	36	Asymmetric dipole anomaly. Possible piece of ferrous material. Maximum and minimum on different lines.	-
70214	Dark Reflector	393509	5903759	A2	0.9	0.3	0.2	-	Hard edged thick but short linear dark reflector with a small shadow. Located in-between a sand wave and with a small scour to the Northwest, possibly natural geology	-
70215	Magnetic	393573	5903872	A2	-	-	-	76	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70216	Magnetic	393397	5903841	A2	-	-	-	243	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70217	Magnetic	393439	5903922	A2	-	-	-	37	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70218	Magnetic	393214	5904093	A2	-	-	-	577	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70219	Magnetic	393146	5904028	A2	-	-	-	38	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70220	Magnetic	393047	5904026	A2	-	-	-	31	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70221	Dark Reflector	393061	5904092	A2	2.6	0.5	0.2	-	Hard edged and distinctive dark reflector with a bright shadow, Possibly broken up/abraded and located on a sand wave. Isolated and distinct anomaly that could be possible geology, but situated in an area of sand waves.	-
70222	Magnetic	393104	5904192	A2	-	-	-	69	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70223	Dark Reflector	393062	5904174	A2	0.8	0.4	0.2	-	Hard edged irregular shaped dark reflector with a bright shadow, located in-between sand waves, could be possible geology, but situated in an area of sand waves.	-
70224	Magnetic	392943	5904233	A2	-	-	-	78	Asymmetric dipole anomaly. Possible piece of ferrous material.	-
70225	Dark Reflector	392953	5904186	A2	1.1	0.3	0.2	-	Very distinct and hard edged rectangular dark reflector with a short but bright shadow. Irregular shape/outline and located in-between sand waves, possibly natural geology.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70226	Magnetic	392884	5904159	A2	-	-	-	38	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70227	Dark Reflector	392838	5904135	A2	2	0.6	0.1	-	Hard edged and distinct dark reflector with a bright shadow and in a slight depression on a sand wave rich part of the seabed. Anomaly looks to be broken up/partially buried, possibly natural geology	-
70228	Magnetic	392874	5903990	A2	-	-	-	57	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70229	Magnetic	392809	5903970	A2	-	-	-	48	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70230	Magnetic	392792	5903975	A2	-	-	-	45	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70231	Debris	392669	5904036	A2	2	0.3	0.2	-	Very diffuse looking possible debris remains on a sandy but uneven part of the seabed, anomaly is made up of two small hard edged dark reflectors and there appears to be two parallel linear anomalies coming off this. Bright shadow and in a depression.	-
70232	Dark Reflector	392304	5903691	A2	1.1	0.4	0.3	23	Elongated dark reflector with oblong shadow. Associated with a magnetic contact. Possible ferrous material.	-

Dudgeon Offshore Wind Farm – Leg I

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7106	Debris	394940	5899325	A2	4.5	0.3	0.1	44	Distinct elongated anomaly with an associated magnetic contact. Sidescan sonar identified during the previous phase but not the current phase, indicting a possible piece of buried ferrous.	-
7109	Debris	394295	5900613	A2	2.4	1.3	0.4	-	Isolated and distinct angular anomaly with some curvature and a clear tapered shadow. Identified during the current and previous phase.	-
70233	Magnetic	394955	5899344	A2	-	-	-	28	Distinct anomaly. Possible piece of ferrous material.	-
70234	Dark Reflector	394960	5899347	A2	0.7	0.4	0.3	-	Isolated and distinct anomaly with a tapered shadow located amongst sand waves.	-
70235	Magnetic	394966	5899350	A2	-	-	-	25	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70236	Dark Reflector	394705	5899897	A2	1.3	0.8	0.3	-	Isolated and distinct anomaly with a trapezium shadow and slight scour and depression.	-
70237	Dark Reflector	394730	5900108	A2	1.4	0.9	0.3	-	Isolated anomaly amongst sand waves with an irregular to tapered shadow visible in a slight depression.	-
70238	Magnetic	394319	5900302	A2	-	-	-	168	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70239	Magnetic	394151	5900494	A2	-	-	-	29	Positive monopole anomaly. Possible piece of ferrous material.	-
70240	Magnetic	394154	5900811	A2	-	-	-	38	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70241	Debris	393883	5901003	A2	2	0.7	0.6	-	Distinct anomaly with a clear tapered shadow. Situated near similar angular anomaly 70242.	-
70242	Debris	393874	5901003	A2	1.3	0.5	0.3	-	Distinct angular anomaly with a trapezium to square shadow visible. Situated near similar anomaly 70241.	-
70243	Dark Reflector	393976	5901092	A2	2.5	0.2	0.2	-	Distinct anomaly with a tapered shadow visible and possible slight scour. Near two similar but very small anomalies.	-
70244	Magnetic	393693	5901180	A2	-	-	-	134	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70245	Dark Reflector	393681	5901542	A2	2.3	0.6	0.4	-	Isolated and distinct anomaly with a tapered shadow visible.	-
70246	Magnetic	393453	5901570	A2	-	-	-	184	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70247	Dark Reflector	393529	5901681	A2	1.5	0.5	0.4	-	Distinct anomaly with a clear tapered shadow visible.	-
70248	Dark Reflector	393552	5901685	A2	2.4	0.8	0.3	-	Distinct anomaly with a clear tapered shadow visible.	-
70249	Debris	393580	5901706	A2	1	0.3	0.4	52	Distinct anomaly with a clear rectangular shadow visible. Associated with a medium magnetic contact. Possible ferrous debris.	-
70250	Rope/Chain	393420	5901951	A2	12.4	0.2	0.1	28	Isolated curvilinear anomaly with an associated oblong shadow associated with a magnetic contact. Probable ferrous chain.	-
70251	Magnetic	393167	5902143	A2	-	-	-	50	Probable dipole with positive monopole on some lines and negative monopoles on others. Possible piece of ferrous material.	-
70252	Magnetic	392872	5902745	A2	-	-	-	93	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70253	Magnetic	392498	5903245	A2	-	-	-	47	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70254	Debris	392084	5903582	A2	2	0.2	0.3	-	Elongated feature with irregular shadow showing some height variation. Isolated object on sandy seabed.	-
70255	Magnetic	391888	5903199	A2	-	-	-	135	Dipole anomaly. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg J

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7089	Debris	394248	5899120	A2	0.4	0.3	0.3	-	Isolated and distinct angular anomaly with a rectangular shadow and slight scour. Large irregular depression before the anomaly. Identified during current and previous phase.	-
7097	Debris	394027	5899749	A2	1.2	0.5	0.5	-	Distinct and isolated elongated anomaly with a clear rectangular shadow visible and slight scour. Hard edged elongated dark reflector. Identified during current and previous phase. Position taken from multibeam bathymetry data.	-
7108	Dark Reflector	392814	5901393	A2	1.6	0.8	0.6	-	Isolated and distinct, possibly angular, elongated anomaly with a clear tapered shadow. Identified during the current and previous phase.	-
70256	Dark Reflector	394829	5897059	A2	2.8	1.1	0.6	-	Curved anomaly with a distinct hard edged dark reflector and a sub-oval shadow visible. Located amongst sand waves.	-
70257	Magnetic	394788	5897072	A2	-	-	-	46	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70258	Dark Reflector	394551	5897132	A2	8.3	0.2	0.2	-	A diffuse elongated dark reflector orientated perpendicular to the sediment trend. Irregular shadow visible.	-
70259	Dark Reflector	394127	5897650	A2	3.7	0.4	0.2	-	Isolated elongated anomaly with variations of shadow visible.	-
70260	Dark Reflector	394158	5897624	A2	0.5	0.3	0.2	-	Small anomaly with a sub-oval shadow on a quiet seabed proximal to two larger anomalies.	-
70261	Dark Reflector	394168	5897622	A2	1	0.3	0.2	-	Distinct anomaly with a clear square shadow and a slight scour before. Proximal to two anomalies.	-
70262	Dark Reflector	394175	5897620	A2	2.6	0.2	0.1	-	Elongated anomaly with a curvilinear oblong shadow and slight depression before. Proximal to two other anomalies. Possibly stretched slightly.	-
70263	Magnetic	394356	5897870	A2	-	-	-	57	Distinct negative monopole. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70264	Magnetic	393988	5899336	A2	-	-	-	32	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70265	Magnetic	393984	5899383	A2	-	-	-	54	Distinct asymmetrical dipole adjacent to similar magnetic anomaly 70266. Possible piece of ferrous material.	-
70266	Magnetic	393968	5899393	A2	-	-	-	19	Distinct asymmetrical dipole adjacent to similar magnetic anomaly 70265. Possible piece of ferrous material.	-
70267	Dark Reflector	394032	5899613	A2	0.9	0.5	0.3	-	Isolated and distinct anomaly with a tapered shadow and possible scour mark.	-
70268	Dark Reflector	393790	5899648	A2	1	0.5	0.3	-	Isolated and distinct anomaly with a clear sub-oval shadow visible. Possibly geological.	-
70269	Magnetic	393872	5899832	A2	-	-	-	50	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70270	Magnetic	393831	5899994	A2	-	-	-	25	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70271	Dark Reflector	393654	5900026	A2	2.5	1.8	0.4	-	Isolated and angular anomaly with an undefined rectangular shadow visible.	-
70272	Magnetic	393791	5900170	A2	-	-	-	103	Distinct asymmetrical dipole. Immediately adjacent to 70274, but appears to be separate anomaly.	-
70273	Rope/Chain	393776	5900177	A2	1.7	0.1	0.1	-	Isolated, thin and diffuse linear anomaly with an oblong shadow and oblong depression.	-
70274	Magnetic	393785	5900185	A2	-	-	-	67	Distinct negative monopole. Immediately adjacent to 70272, but appears to be separate anomaly.	-
70275	Magnetic	393827	5900317	A2	-	-	-	35	Distinct negative monopole. Possible piece of ferrous material.	-
70276	Magnetic	393757	5900500	A2	-	-	-	26	Dipole anomaly. Possible piece of ferrous material.	-
70277	Magnetic	393558	5900720	A2	-	-	-	173	Negative monopole anomaly. Possible piece of ferrous material.	-
70278	Magnetic	392471	5901961	A2	-	-	-	21	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70279	Dark Reflector	392597	5902082	A2	1.6	0.3	0.2	-	Isolated anomaly with a small distinct dark reflector surrounded by a depression with a tapered shadow.	-
70280	Dark Reflector	392061	5902752	A2	2	0.5	0.2	-	Isolated anomaly with a clear tapered shadow visible.	-
70281	Magnetic	391780	5903157	A2	-	-	-	48	Probable dipole with positive monopole on some lines and negative monopoles on others. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg K

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70282	Magnetic	393672	5898174	A2	-	-	-	33	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70283	Magnetic	393468	5898619	A2	-	-	-	121	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70284	Magnetic	393422	5898642	A2	-	-	-	34	Distinct negative monopole. Possible piece of ferrous material.	-
70285	Magnetic	393371	5898748	A2	-	-	-	90	Distinct dipole. Possible piece of ferrous material.	-
70286	Magnetic	393535	5898819	A2	-	-	-	27	Distinct negative anomaly. Possible piece of ferrous material.	-
70287	Magnetic	393371	5898944	A2	-	-	-	137	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70288	Dark Reflector	393388	5899069	A2	1.1	0.5	0.2	-	Isolated and diffuse circular shadow with cylindrical shadow visible.	-
70289	Dark Reflector	393306	5899143	A2	1.2	1	0.3	-	Isolated and distinct angular anomaly with a clear sub-oval shadow visible.	-
70290	Debris	393579	5899169	A2	1.9	1.2	0.6	203	Distinct isolated anomaly with a hard edged 'U' shape appearing to protrude from the seabed. Distinct tapered shadow with some shape showing possible height variation. Surrounded by area of depression. Associated with a large magnetic contact. Probable piece of ferrous debris.	-
70291	Depression	393503	5899289	A2	43	14	-0.2	-	Group of 4 similar depressions, each approximately 9m x 6m x -0.2m. Identified on the multibeam bathymetry data.	-
70292	Debris Field	393438	5899336	A2	10.3	6.1	0.2	135	Isolated area of curvilinear anomalies with oblong shadows visible. Longest (2.71 x 0.17 x 0.1) curves at a right angle. Appear to overlap one another. Some central dark reflectors appear linear. Associated with a large magnetic contact. Probable ferrous debris.	-
70293	Debris	393385	5899718	A2	2.2	0.6	0.3	70	Isolated, distinct and slightly elongated anomaly with two near parallel elongate features and slight depression to the north. Clear sub-oval shadow visible. Associated with a medium magnetic contact. Probable ferrous debris.	-
70294	Magnetic	393146	5900052	A2	-	-	-	18	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70295	Magnetic	393143	5900073	A2	-	-	-	33	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70296	Magnetic	393108	5900090	A2	-	-	-	362	Distinct negative monopole. Very large magnetic anomaly, but this strength only identified on one survey lines, others indicate smaller strength. Possible piece of ferrous material.	-
70297	Debris Field	392827	5899965	A2	6	1	0.4	-	Isolated area of dark reflectors with irregular shadows showing some seafloor disturbance and height variation. Possible non-ferrous debris field.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70298	Magnetic	392851	5900103	A2	-	-	-	39	Distinct dipole. Possible piece of ferrous material.	-
70299	Magnetic	392833	5900268	A2	-	-	-	63	Distinct monopole. Possible piece of ferrous material.	-
70300	Magnetic	392254	5900653	A2	-	-	-	17	Distinct dipole. Possible piece of ferrous material.	-
70301	Magnetic	391828	5900981	A2	-	-	-	16	Distinct asymmetrical dipole. Possible piece of ferrous material.	-
70302	Dark Reflector	391983	5901023	A2	1.7	0.5	0.3	-	Distinct anomaly consisting of four features with tapered shadow isolated on a quiet seafloor.	-
70303	Magnetic	392028	5901557	A2	-	-	-	46	Distinct anomaly. Possible piece of ferrous material.	-
70304	Dark Reflector	391927	5901573	A2	0.6	0.3	0.2	33	A diffuse cylindrical anomaly with a undefined tapered shadow visible on a quiet seafloor, surrounded by small depressions. Associated with a magnetic contact.	-
70305	Magnetic	391857	5902095	A1	-	-	-	1423	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-
70306	Magnetic	391945	5902330	A2	-	-	-	264	Dipole seen in a single line. Possible piece of ferrous material.	-
70307	Magnetic	391779	5902743	A2	-	-	-	80	Dipole seen in several lines. Possible piece of ferrous material.	-

Dudgeon Offshore Wind Farm – Leg L

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
7057	Debris	391771	5899459	A2	2.3	0.4	0.5	-	Distinct, hard edged anomaly with a defined triangular shadow and slight depression on a quiet seabed. Identified during current and previous phase.	-
7058	Debris	391546	5899608	A2	1.7	1	0.4	-	Distinct elongated anomaly with a clear tapered shadow on a quiet seabed. Identified during current and previous phase.	-
7069	Dark Reflector	391798	5899661	A2	1	0.4	0.3	-	Distinct anomaly on an area of rough seabed with clear tapered shadow. Possibly geological. Identified during current and previous phase.	-
70308	Magnetic	392926	5898773	A2	-	-	-	45	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70309	Magnetic	392986	5898576	A2	-	-	-	36	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70310	Dark Reflector	392951	5898777	A2	4.5	0.5	0	-	Elongated diffuse anomaly orientated perpendicular to sediment trend.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70311	Magnetic	392416	5898920	A2	-	-	-	34	Distinct anomaly but only on one line. Possible piece of ferrous material.	-
70312	Magnetic	392347	5898995	A2	-	-	-	22	Distinct anomaly but only on one line. Possible piece of ferrous material.	-
70313	Magnetic	392359	5899211	A2	-	-	-	51	Anomaly spread out over a number of lines. Possible piece of ferrous material.	-
70314	Magnetic	392285	5899178	A2	-	-	-	40	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70315	Magnetic	392196	5899180	A2	-	-	-	238	Distinct anomaly. Possible piece of ferrous material.	-
70316	Magnetic	392160	5899190	A2	-	-	-	31	Distinct but only on one line. Possible piece of ferrous material.	-
70317	Magnetic	392181	5899278	A2	-	-	-	168	Distinct anomaly. Possible piece of ferrous material.	-
70318	Magnetic	392014	5899223	A2	-	-	-	21	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70319	Magnetic	391990	5899207	A2	-	-	-	57	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70320	Magnetic	392032	5899347	A2	-	-	-	48	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70321	Magnetic	391886	5899433	A2	-	-	-	39	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70322	Magnetic	391848	5899443	A2	-	-	-	76	Distinct anomaly. Possible piece of ferrous material.	-
70323	Debris	391730	5899448	A2	53	0.3	0.1	-	Curvilinear dark reflector with a diffuse oblong shadow. Joins anomaly 70324.	-
70324	Depression	391718	5899451	A2	5	2.1	0.3	-	Circular dark reflector with area of bright reflector before. Proximal to linear feature 70312. Identified on the multibeam bathymetry as a shallow depression.	-
70325	Dark Reflector	391687	5899676	A2	1.2	1.1	0.5	-	Isolated anomaly with an elongated hard edge but diffuse areas with a distinct tapered shadow visible on a quiet seabed.	-
70326	Magnetic	391410	5899691	A2	-	-	-	39	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70327	Magnetic	391465	5899742	A2	-	-	-	16	Small but distinct. Possible piece of ferrous material.	-
70328	Magnetic	391285	5899840	A2	-	-	-	31	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70329	Magnetic	391252	5899857	A2	-	-	-	35	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70330	Magnetic	391190	5899834	A2	-	-	-	24	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70331	Magnetic	391150	5899989	A2	-	-	-	92	Distinct anomaly. Possible piece of ferrous material.	-
70332	Debris	391151	5900063	A2	1.7	1.1	0.4	16	Diffuse rectangular anomaly isolated on quiet seabed with a distinct tapered shadow visible.	-
70333	Debris	391116	5900276	A2	6	6	0.1	-	Shallow depression identified on the multibeam bathymetry.	-
70334	Magnetic	391166	5900289	A2	-	-	-	86	Distinct dipole. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External References
70335	Magnetic	391123	5900466	A2	-	-	-	93	Distinct dipole. Possible piece of ferrous material.	-
70336	Dark Reflector	391112	5900571	A2	1.2	1.2	0.2	-	Distinct anomaly with a diffuse sub-oval shadow isolated on a quiet seabed. Possible geology.	-
70337	Magnetic	391166	5900840	A2	-	-	-	57	Distinct positive dipole. Possible piece of ferrous material.	-
70338	Magnetic	391178	5900854	A2	-	-	-	211	Distinct dipole. Possible piece of ferrous material.	-
70339	Magnetic	391059	5901127	A2	-	-	-	32	Distinct dipole. Possible piece of ferrous material.	-
70340	Mound	391131	5901377	A2	9	5	0.1	-	Small oval mound identified on the multibeam bathymetry.	-
70341	Mound	391131	5901406	A2	8	5	0.1	-	Small oval mound with a smaller similar object beside it, identified on the multibeam bathymetry data.	-
70342	Magnetic	391323	5902007	A2	-	-	-	59	Distinct anomaly. Possible piece of ferrous material.	-
70343	Dark Reflector	391331	5902015	A2	1.3	0.1	0.1	39	Isolated and distinct elongated anomaly with a sub-oval shadow visible with associated magnetic contact. Possible piece of ferrous material.	-
70344	Magnetic	391364	5902088	A2	-	-	-	20	Distinct dipole. Possible piece of ferrous material.	-
70345	Magnetic	391385	5902158	A2	-	-	-	49	Distinct dipole. Possible piece of ferrous material.	-
70346	Debris	391533	5902472	A2	1.8	0.6	0.3	-	Isolated and distinct anomaly with some possible angular features. Clear sub-oval to tapered shadow visible. Possible piece of non-ferrous debris.	-
70347	Magnetic	391583	5902620	A2	-	-	-	26	Dipole anomaly. Possible piece of ferrous material.	-
70348	Seafloor Disturbance	391709	5902818	A2	3.3	2.5	0.1	-	Isolated anomaly with a semi-circular bright reflector adjacent to a semi-circular dark reflector creating a hollow circle. Within the circle is a dark reflector with a tapered shadow.	-
70349	Magnetic	391754	5903132	A2	-	-	-	111	Dipole with maximum and minimum on different lines. Possible piece of ferrous material.	-

7 APPENDIX II

Dudgeon Export Cable Route

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70400	Magnetic	386861	5890707	A1	-	-	-	1010	Very distinct magnetic anomaly present on a number of lines, located on/beneath a very large sand wave which could be covering up any ferrous remains	-
70401	Magnetic	383939	5883420	A1	-	-	-	1818	Very large and distinct magnetic anomaly present across a number of lines, possibly buried ferrous remains.	-
7173	Debris	383970	5883160	A1	35.3	5.4	0.2	-	Possible large debris or wreck. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
70402	Wreck	383829	5883308	A1	13.0	9.0	0.7	1387	Large wreck debris, made up of diffuse and hard edged dark reflectors with large and bright shadows, one 'V' shaped debris and large broken up curvilinear piece, largest 3.9m.Distinct anomaly on a number of lines. Possibly a number of adjacent anomalies, though this is unclear. Medium/large mound Oriented 050/230. Isolated on flat seafloor. Possible ferrous debris.	-
70403	Mound	374769	5868512	A2	17.0	5.0	0.4	-	Elongated mound. Oriented 020/200.Slight scour on eastern side. At extreme inshore end of export cable route. 70m from wreck 10316, sidescan sonar and magnetometer data does not cover this area of the cable route	-
70404	Mound	374843	5868469	A2	16.0	4.0	0.6	-	Elongated mound. Oriented 030/210.Slight scour around northern end and on eastern side. At extreme inshore end of export cable route.	-
70405	Mound	376442	5871022	A2	27.0	18.0	0.9	-	Oval shaped mound. Oriented 050/230. May be natural but no similar features nearby.	-
70406	Magnetic	386210	5888395	A2	-	-	-	111	Distinct anomaly on a number of lines, though large amplitude only really on one line.	-
70407	Magnetic	385942	5888569	A2	-	-	-	367	Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible piece of ferrous material.	-
70408	Magnetic	386164	5888454	A2	-	-	-	60	Distinct anomaly. Possible piece of ferrous material.	-
70409	Magnetic	386142	5888793	A2	-	-	-	262	Distinct anomaly. Possible piece of ferrous material.	-
70410	Magnetic	385977	5888887	A2	-	-	-	36	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70411	Magnetic	386137	5888898	A2	-	-	-	363	Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible piece of ferrous material.	-
70412	Magnetic	386238	5888833	A2	-	-	-	40	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70413	Magnetic	386352	5888768	A2	-	-	-	55	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70414	Magnetic	386367	5888763	A2	-	-	-	55	Small anomaly but on a number of lines. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70415	Magnetic	386443	5888763	A2	-	-	-	19	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70416	Magnetic	386278	5888898	A2	-	-	-	28	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70417	Magnetic	386221	5888988	A2	-	-	-	239	Distinct anomaly on a number of lines may indicate a linear feature. Possible piece of ferrous material.	-
70418	Magnetic	386212	5889007	A2	-	-	-	77	Distinct anomaly on a number of lines may indicate a linear feature. Possible piece of ferrous material.	-
70419	Magnetic	386213	5889021	A2	-	-	-	46	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70420	Magnetic	386202	5889028	A2	-	-	-	31	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70421	Magnetic	386147	5889067	A2	-	-	-	103	Distinct anomaly. Possible piece of ferrous material.	-
70422	Magnetic	386090	5889181	A2	-	-	-	72	Distinct anomaly. Possible piece of ferrous material.	-
70423	Magnetic	386084	5889375	A2	-	-	-	52	Distinct anomaly. Possible piece of ferrous material.	-
70424	Magnetic	386532	5889275	A2	-	-	-	117	Distinct anomaly. Possible piece of ferrous material.	-
70425	Magnetic	386487	5889349	A2	-	-	-	47	Distinct anomaly. Possible piece of ferrous material.	-
70426	Magnetic	386536	5889375	A2	-	-	-	37	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70427	Magnetic	386485	5889542	A2	-	-	-	72	Distinct anomaly. Possible piece of ferrous material.	-
70428	Magnetic	386046	5889725	A2	-	-	-	324	Distinct anomaly. Possible piece of ferrous material.	-
70429	Magnetic	386569	5889691	A2	-	-	-	308	Distinct anomaly on a number of lines, though large amplitude only really on one line.	-
70430	Magnetic	386613	5889777	A2	-	-	-	24	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70431	Magnetic	386299	5889858	A2	-	-	-	61	Distinct anomaly. Possible piece of ferrous material.	-
70432	Magnetic	386188	5889888	A2	-	-	-	90	Distinct anomaly. Possible piece of ferrous material.	-
70433	Magnetic	386214	5889960	A2	-	-	-	47	Small but distinct, though only on one line.	-
70434	Magnetic	386845	5889950	A2	-	-	-	288	Distinct anomaly. Possible piece of ferrous material.	-
70435	Magnetic	386131	5890027	A2	-	-	-	36	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70436	Magnetic	386875	5890037	A2	-	-	-	52	Small anomaly but distinct, though only on one line. Possible piece of ferrous material.	-
70437	Magnetic	386230	5890129	A2	-	-	-	63	Distinct anomaly. Possible piece of ferrous material.	-
70438	Magnetic	386195	5890260	A2	-	-	-	118	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70439	Magnetic	386668	5890113	A2	-	-	-	80	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70440	Magnetic	386827	5890198	A2	-	-	-	80	Distinct anomaly. Possible piece of ferrous material.	-
70441	Magnetic	387062	5890162	A2	-	-	-	68	Distinct anomaly. Possible piece of ferrous material.	-
70442	Magnetic	386661	5890330	A2	-	-	-	138	Distinct anomaly. Possible piece of ferrous material.	-
70443	Magnetic	386883	5890348	A2	-	-	-	53	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70444	Magnetic	386848	5890378	A2	-	-	-	134	Distinct anomaly. Possible piece of ferrous material.	-
70445	Magnetic	386299	5890525	A2	-	-	-	177	Distinct anomaly. Possible piece of ferrous material.	-
70446	Magnetic	386738	5890503	A2	-	-	-	24	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70447	Magnetic	386787	5890513	A2	-	-	-	608	Large anomaly on more than one line, though high amplitude only on one line. Possible piece of ferrous material.	-
70448	Magnetic	386775	5890512	A2	-	-	-	110	Distinct anomaly on more than one line, though high amplitude only really on one line. Possible piece of ferrous material.	-
70449	Magnetic	386278	5890727	A2	-	-	-	93	Distinct anomaly. Possible piece of ferrous material.	-
70450	Magnetic	386599	5890641	A2	-	-	-	170	Distinct anomaly. Possible piece of ferrous material.	-
70451	Magnetic	386742	5890587	A2	-	-	-	778	Distinct anomaly. Possible piece of ferrous material.	-
70452	Magnetic	386436	5890748	A2	-	-	-	22	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70453	Magnetic	386504	5890768	A2	-	-	-	79	Distinct anomaly. Possible piece of ferrous material.	-
70454	Magnetic	386377	5890860	A2	-	-	-	27	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70455	Magnetic	386557	5890790	A2	-	-	-	54	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70456	Magnetic	386762	5890798	A2	-	-	-	218	Distinct anomaly. Possible piece of ferrous material.	-
70457	Magnetic	387072	5890602	A2	-	-	-	219	Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible piece of ferrous material.	-
70458	Magnetic	387194	5890523	A2	-	-	-	62	Small anomaly but on a number of lines. Possible piece of ferrous material.	-
70459	Magnetic	387142	5890608	A2	-	-	-	231	Distinct anomaly. Possible piece of ferrous material.	-
70460	Magnetic	387212	5890657	A2	-	-	-	58	Distinct, though only on one line. Possible piece of ferrous material.	-
70461	Magnetic	387128	5890731	A2	-	-	-	468	Distinct anomaly. Possible piece of ferrous material.	-
70462	Magnetic	386810	5891124	A2	-	-	-	668	Distinct anomaly. Possible piece of ferrous material.	-
70463	Magnetic	386880	5891022	A2	-	-	-	234	Distinct anomaly. Possible piece of ferrous material.	-
70464	Magnetic	386909	5891005	A2	-	-	-	165	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70465	Magnetic	386793	5891362	A2	-	-	-	34	Distinct anomaly. Possible piece of ferrous material.	-
70466	Magnetic	386998	5891292	A2	-	-	-	162	Distinct anomaly. Possible piece of ferrous material.	-
70467	Magnetic	386992	5891389	A2	-	-	-	83	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70468	Magnetic	387173	5891463	A2	-	-	-	75	Distinct anomaly on a number of lines. Part of a group of similar anomalies. Possible piece of ferrous material.	-
70469	Magnetic	387198	5891453	A2	-	-	-	18	Small anomaly only on one line. Part of a group of similar anomalies. Possible piece of ferrous material.	-
70470	Magnetic	387210	5891432	A2	-	-	-	73	Distinct anomaly on a number of lines. Part of a group of similar anomalies	-
70471	Magnetic	387243	5891427	A2	-	-	-	172	Distinct anomaly on a number of lines. Part of a group of similar anomalies. Possible piece of ferrous material.	-
70472	Magnetic	387237	5891464	A2	-	-	-	29	Small anomaly but on a number of lines. Part of a group of similar anomalies. Possible piece of ferrous material.	-
70473	Magnetic	387062	5891565	A2	-	-	-	47	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70474	Magnetic	387244	5891715	A2	-	-	-	126	Distinct anomaly. Possible piece of ferrous material.	-
70475	Magnetic	387317	5891742	A2	-	-	-	30	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70476	Magnetic	387557	5891662	A2	-	-	-	93	Distinct anomaly on more than one line, though high amplitude only really on one line. Possible piece of ferrous material.	-
70477	Magnetic	387326	5891824	A2	-	-	-	372	Distinct anomaly. Possible piece of ferrous material.	-
70478	Magnetic	387589	5891899	A2	-	-	-	259	Distinct anomaly. Possible piece of ferrous material.	-
70479	Magnetic	387683	5892034	A2	-	-	-	94	Distinct anomaly. Possible piece of ferrous material.	-
70480	Magnetic	387585	5892286	A2	-	-	-	56	Distinct anomaly. Possible piece of ferrous material.	-
70481	Magnetic	388138	5892565	A2	-	-	-	429	Distinct anomaly. Possible piece of ferrous material.	-
70482	Magnetic	388253	5892736	A2	-	-	-	25	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70483	Magnetic	388177	5892795	A2	-	-	-	152	Distinct anomaly. Possible piece of ferrous material.	-
70484	Magnetic	388192	5892785	A2	-	-	-	90	Distinct anomaly. Possible piece of ferrous material.	-
70485	Magnetic	387953	5892948	A2	-	-	-	45	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70486	Magnetic	388182	5892947	A2	-	-	-	81	Distinct anomaly though only really on one line. Possible piece of ferrous material.	-
70487	Magnetic	388365	5893043	A2	-	-	-	238	Distinct anomaly though only really on one line. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70488	Magnetic	388383	5893037	A2	-	-	-	35	Small anomaly but distinct and on one line. Possible piece of ferrous material.	-
70489	Magnetic	387995	5893283	A2	-	-	-	43	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70490	Magnetic	388395	5893107	A2	-	-	-	277	Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible piece of ferrous material.	-
70491	Magnetic	388045	5893332	A2	-	-	-	68	Distinct anomaly. Possible piece of ferrous material.	-
70492	Magnetic	388157	5893547	A2	-	-	-	34	Small but distinct, on more than one line. On edge of natural feature, Possible Palaeochannel.	-
70493	Magnetic	388390	5893507	A2	-	-	-	32	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70494	Magnetic	388610	5893515	A2	-	-	-	57	Distinct anomaly. Possible piece of ferrous material.	-
70495	Magnetic	388460	5893681	A2	-	-	-	56	Distinct anomaly. Possible piece of ferrous material.	-
70496	Magnetic	388735	5893938	A2	-	-	-	55	Distinct anomaly. Possible piece of ferrous material.	-
70497	Magnetic	388705	5893946	A2	-	-	-	109	Distinct anomaly. Possible piece of ferrous material.	-
70498	Magnetic	388507	5894090	A2	-	-	-	328	Distinct anomaly. Possible piece of ferrous material.	-
70499	Magnetic	388875	5894023	A2	-	-	-	236	Distinct anomaly though only really on one line. Possible piece of ferrous material.	-
70500	Magnetic	388704	5894151	A2	-	-	-	81	Distinct anomaly. Possible piece of ferrous material.	-
70501	Magnetic	388645	5894185	A2	-	-	-	99	Distinct anomaly. Possible piece of ferrous material.	-
70502	Magnetic	388928	5894108	A2	-	-	-	154	Distinct anomaly. Possible piece of ferrous material.	-
70503	Magnetic	388651	5894238	A2	-	-	-	42	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70504	Magnetic	388622	5894275	A2	-	-	-	108	Distinct anomaly. Possible piece of ferrous material.	-
70505	Magnetic	388635	5894603	A2	-	-	-	69	Distinct anomaly. Possible piece of ferrous material.	-
70506	Magnetic	388793	5894512	A2	-	-	-	18	Small anomaly but distinct and on more than one line. Possible piece of ferrous material.	-
70507	Magnetic	388718	5894615	A2	-	-	-	110	Distinct anomaly. Possible piece of ferrous material.	-
70508	Magnetic	388711	5894598	A2	-	-	-	98	Distinct anomaly. Possible piece of ferrous material.	-
70509	Magnetic	389063	5894657	A2	-	-	-	35	Irregular and small anomaly, but distinct and on a number of lines. Possible piece of ferrous material.	-
70510	Magnetic	388813	5894623	A2	-	-	-	60	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70511	Magnetic	388750	5894816	A2	-	-	-	25	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70512	Magnetic	388908	5894810	A2	-	-	-	26	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70513	Magnetic	388955	5894838	A2	-	-	-	58	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70514	Magnetic	388758	5894889	A2	-	-	-	108	Distinct anomaly. Possible piece of ferrous material.	-
70515	Magnetic	388826	5894902	A2	-	-	-	101	Distinct anomaly. Possible piece of ferrous material.	-
70516	Magnetic	389034	5894891	A2	-	-	-	42	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70517	Magnetic	389057	5894843	A2	-	-	-	105	Distinct anomaly. Possible piece of ferrous material.	-
70518	Magnetic	389260	5894889	A2	-	-	-	43	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70519	Magnetic	389236	5895148	A2	-	-	-	112	Distinct anomaly. Possible piece of ferrous material.	-
70520	Magnetic	389212	5895408	A2	-	-	-	32	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70521	Magnetic	389127	5895643	A2	-	-	-	147	Distinct anomaly. Possible piece of ferrous material.	-
70522	Magnetic	389265	5895736	A2	-	-	-	34	Small but distinct, on more than one line.	-
70523	Magnetic	389302	5895763	A2	-	-	-	81	Distinct anomaly. Possible piece of ferrous material.	-
70524	Magnetic	389539	5895908	A2	-	-	-	42	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70525	Magnetic	389570	5895893	A2	-	-	-	42	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70526	Magnetic	389655	5895938	A2	-	-	-	137	Distinct anomaly. Possible piece of ferrous material.	-
70527	Magnetic	389792	5896341	A2	-	-	-	75	Distinct anomaly. Possible piece of ferrous material.	-
70528	Magnetic	389972	5896366	A2	-	-	-	116	Distinct anomaly, though only really on one line.	-
70529	Magnetic	389579	5896370	A2	-	-	-	147	Distinct anomaly. Possible piece of ferrous material.	-
70530	Magnetic	389465	5896531	A2	-	-	-	40	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70531	Magnetic	389550	5896906	A2	-	-	-	24	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70532	Magnetic	389716	5897268	A2	-	-	-	100	Distinct anomaly. Possible piece of ferrous material.	-
70533	Magnetic	389543	5897724	A2	-	-	-	87	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70534	Magnetic	390665	5897477	A2	-	-	-	64	Distinct anomaly. Possible piece of ferrous material.	-
70535	Magnetic	390676	5897476	A2	-	-	-	53	Distinct anomaly. Possible piece of ferrous material.	-
70536	Magnetic	389803	5897818	A2	-	-	-	197	Distinct anomaly. Possible piece of ferrous material.	-
70537	Magnetic	390350	5897712	A2	-	-	-	66	Distinct anomaly. Possible piece of ferrous material.	-
70538	Magnetic	381422	5877002	A2	-	-	-	29	Distinct anomaly. Possible piece of ferrous material.	-
70539	Magnetic	381401	5876579	A2	-	-	-	68	Large distinct monopole, though only on one line. Possible piece of ferrous material.	-
70540	Magnetic	380760	5875944	A2	-	-	-	56	Distinct anomaly. Possible piece of ferrous material.	-
70541	Magnetic	380444	5875864	A2	-	-	-	61	Distinct anomaly though only on one line. Possible piece of ferrous material.	-
70542	Magnetic	380475	5875762	A2	-	-	-	112	Distinct anomaly. Possible piece of ferrous material.	-
70543	Magnetic	380546	5875727	A2	-	-	-	104	Distinct dipole on separate lines with little between.	-
70544	Magnetic	380626	5875697	A2	-	-	-	179	Large anomaly though only really on one line. Possible piece of ferrous material.	-
70545	Magnetic	379848	5875255	A2	-	-	-	409	Distinct anomaly. Possible piece of ferrous material.	-
70546	Magnetic	380219	5875095	A2	-	-	-	357	Distinct dipole seen on some lines but not others. Possible piece of ferrous material.	-
70547	Magnetic	380132	5874952	A2	-	-	-	286	Distinct anomaly. Possible piece of ferrous material.	-
70548	Magnetic	380154	5874942	A2	-	-	-	54	Distinct anomaly. Possible piece of ferrous material.	-
70549	Magnetic	379888	5874804	A2	-	-	-	409	Distinct anomaly. Possible piece of ferrous material.	-
70550	Magnetic	379602	5874930	A2	-	-	-	64	Distinct anomaly. Possible piece of ferrous material.	-
70551	Magnetic	379801	5874693	A2	-	-	-	83	Distinct anomaly. Possible piece of ferrous material.	-
70552	Magnetic	379728	5874488	A2	-	-	-	97	Distinct dipole though only on one line. Possible piece of ferrous material.	-
70553	Magnetic	379285	5874528	A2	-	-	-	193	Distinct dipole identified on some line but not others. Possible piece of ferrous material.	-
70554	Magnetic	379394	5874584	A2	-	-	-	236	Distinct anomaly. Possible piece of ferrous material.	-
70555	Magnetic	379418	5874545	A2	-	-	-	111	Distinct anomaly. Possible piece of ferrous material.	-
70556	Magnetic	379429	5874544	A2	-	-	-	116	Distinct anomaly. Possible piece of ferrous material.	-
70557	Magnetic	379519	5874491	A2	-	-	-	155	Distinct anomaly on a number of lines, slightly suspicious of the positive amplitude. Possible piece of ferrous material.	-
70558	Magnetic	379524	5874479	A2	-	-	-	90	Distinct anomaly on a number of lines, slightly suspicious of the positive amplitude. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70559	Magnetic	379194	5874294	A2	-	-	-	91	Distinct anomaly. Possible piece of ferrous material.	-
70560	Magnetic	378964	5874197	A2	-	-	-	34	Distinct anomaly. Possible piece of ferrous material.	-
70561	Magnetic	379136	5874103	A2	-	-	-	366	Distinct anomaly. Possible piece of ferrous material. Suspicious of amplitude.	-
70562	Magnetic	378772	5873994	A2	-	-	-	178	Distinct dipole, though only identified on a single line. Possible piece of ferrous material.	-
70563	Magnetic	378783	5873888	A2	-	-	-	39	Distinct anomaly, though only on one line. Possible piece of ferrous material.	-
70564	Magnetic	378639	5873811	A2	-	-	-	82	Distinct anomaly. Possible piece of ferrous material.	-
70565	Magnetic	378655	5873807	A2	-	-	-	107	Distinct anomaly, though only really on one line.	-
70566	Magnetic	378609	5873803	A2	-	-	-	528	Distinct anomaly. Possible piece of ferrous material.	-
70567	Magnetic	378615	5873792	A2	-	-	-	339	Distinct anomaly. Possible piece of ferrous material.	-
70568	Magnetic	378359	5873493	A2	-	-	-	201	Distinct dipole on more than one line, suspicious of amplitude. Possible piece of ferrous material.	-
70569	Magnetic	378463	5873305	A2	-	-	-	77	Distinct anomaly. Possible piece of ferrous material.	-
70570	Magnetic	378532	5873232	A2	-	-	-	71	Distinct anomaly. Possible piece of ferrous material.	-
70571	Magnetic	378257	5873358	A2	-	-	-	28	Distinct anomaly. Possible piece of ferrous material.	-
70572	Magnetic	378290	5873301	A2	-	-	-	31	Distinct anomaly. Possible piece of ferrous material.	-
70573	Magnetic	378308	5873145	A2	-	-	-	411	Distinct anomaly. Possible piece of ferrous material.	-
70574	Magnetic	378319	5873143	A2	-	-	-	846	Distinct anomaly. Possible piece of ferrous material.	-
70575	Magnetic	378369	5873112	A2	-	-	-	30	Possible anomaly though only really on one line. Possible piece of ferrous material.	-
70576	Magnetic	378044	5873068	A2	-	-	-	17	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70577	Magnetic	378109	5872816	A2	-	-	-	78	Distinct anomaly. Possible piece of ferrous material.	-
70578	Magnetic	378064	5872796	A2	-	-	-	128	Distinct anomaly. Possible piece of ferrous material.	-
70579	Magnetic	378014	5872746	A2	-	-	-	33	Small but on more than one line.	-
70580	Magnetic	377823	5872308	A2	-	-	-	93	Distinct anomaly. Possible piece of ferrous material.	-
70581	Magnetic	377854	5872237	A2	-	-	-	126	Distinct anomaly. Possible piece of ferrous material.	-
70582	Magnetic	377429	5872377	A2	-	-	-	79	Distinct anomaly. Possible piece of ferrous material.	-
70583	Magnetic	377535	5872302	A2	-	-	-	118	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70584	Magnetic	377568	5872287	A2	-	-	-	235	Distinct anomaly. Possible piece of ferrous material.	-
70585	Magnetic	377783	5872118	A2	-	-	-	22	Possible small anomaly. Possible piece of ferrous material.	-
70586	Magnetic	377769	5872103	A2	-	-	-	183	Distinct anomaly. Possible piece of ferrous material.	-
70587	Magnetic	377632	5872125	A2	-	-	-	60	Distinct anomaly. Possible piece of ferrous material.	-
70588	Magnetic	377119	5871926	A2	-	-	-	28	Distinct anomaly. Possible piece of ferrous material or natural.	-
70589	Magnetic	377108	5871820	A2	-	-	-	101	Distinct anomaly. Possible piece of ferrous material.	-
70590	Magnetic	377171	5871672	A2	-	-	-	33	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70591	Magnetic	376784	5871554	A2	-	-	-	41	Distinct anomaly. Possible piece of ferrous material.	-
70592	Magnetic	376824	5871522	A2	-	-	-	68	Distinct dipole anomaly. Possible piece of ferrous material.	-
70593	Magnetic	376702	5871294	A2	-	-	-	44	Distinct anomaly. Possible piece of ferrous material.	-
70594	Magnetic	376488	5871235	A2	-	-	-	87	Distinct dipole on a number of lines, suspicious of amplitude. Possible piece of ferrous material.	-
70595	Magnetic	376874	5871244	A2	-	-	-	20	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70596	Magnetic	376829	5870947	A2	-	-	-	95	Distinct dipole anomaly. Possible piece of ferrous material.	-
70597	Magnetic	376734	5870883	A2	-	-	-	27	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70598	Magnetic	376735	5870872	A2	-	-	-	21	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70599	Magnetic	376391	5870905	A2	-	-	-	25	Possible piece of ferrous material.	-
70600	Magnetic	376533	5870657	A2	-	-	-	56	Distinct anomaly. Possible piece of ferrous material.	-
70601	Magnetic	376216	5870771	A2	-	-	-	73	Distinct anomaly. Possible piece of ferrous material.	-
70602	Magnetic	376297	5870470	A2	-	-	-	62	Distinct anomaly. Possible piece of ferrous material.	-
70603	Magnetic	376276	5870473	A2	-	-	-	44	Distinct dipole on a number of lines. Possible End of a linear?	-
70604	Magnetic	375945	5870587	A2	-	-	-	20	Distinct small anomaly. Possible piece of ferrous material.	-
70605	Magnetic	375932	5870548	A2	-	-	-	139	Distinct anomaly. Possible piece of ferrous material.	-
70606	Magnetic	375904	5870497	A2	-	-	-	80	Distinct anomaly. Possible piece of ferrous material.	-
70607	Magnetic	375914	5870443	A2	-	-	-	47	Distinct anomaly. Possible piece of ferrous material.	-
70608	Magnetic	375837	5870345	A2	-	-	-	221	Distinct anomaly. Possible piece of ferrous material. Possible Part of linear?	-
70609	Magnetic	375830	5870371	A2	-	-	-	115	Distinct anomaly. Possible piece of ferrous material. Possible Part of linear?	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70610	Magnetic	376118	5870263	A2	-	-	-	84	Distinct anomaly. Possible piece of ferrous material.	-
70611	Magnetic	375768	5870185	A2	-	-	-	54	Distinct anomaly. Possible piece of ferrous material.	-
70612	Magnetic	375992	5869983	A2	-	-	-	35	Possible anomaly, seen on two lines and amongst natural features so uncertain.	-
70613	Magnetic	376039	5869953	A2	-	-	-	47	Possible anomaly, seen on two lines and amongst natural features so uncertain.	-
70614	Magnetic	375593	5870023	A2	-	-	-	181	Distinct anomaly. Possible piece of ferrous material.	-
70615	Magnetic	375609	5870025	A2	-	-	-	336	Distinct anomaly. Possible piece of ferrous material.	-
70616	Magnetic	375741	5869948	A2	-	-	-	184	Distinct anomaly. Possible piece of ferrous material.	-
70617	Magnetic	375758	5869947	A2	-	-	-	116	Distinct anomaly. Possible piece of ferrous material.	-
70618	Magnetic	375609	5869733	A2	-	-	-	165	Irregular anomaly on more than one line, suspicious of amplitude.	-
70619	Magnetic	375562	5869662	A2	-	-	-	32	Distinct small anomaly. Possible piece of ferrous material.	-
70620	Magnetic	375566	5869673	A2	-	-	-	46	Distinct small anomaly. Possible piece of ferrous material.	-
70621	Magnetic	375522	5869453	A2	-	-	-	27	Distinct small anomaly. Possible piece of ferrous material.	-
70622	Magnetic	375191	5868968	A2	-	-	-	63	Distinct anomaly. Possible piece of ferrous material.	-
70623	Magnetic	375044	5868918	A2	-	-	-	144	Distinct anomaly. Possible piece of ferrous material.	-
70624	Magnetic	374976	5868837	A2	-	-	-	488	Distinct anomaly. Possible piece of ferrous material.	-
70625	Magnetic	375033	5868893	A2	-	-	-	18	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70626	Magnetic	374892	5868764	A2	-	-	-	77	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70627	Magnetic	385824	5888158	A2	-	-	-	138	Distinct anomaly. Possible piece of ferrous material.	-
70628	Magnetic	386152	5888066	A2	-	-	-	65	Distinct irregular anomaly, on more than one line.	-
70629	Magnetic	385841	5888032	A2	-	-	-	149	Distinct anomaly. Possible piece of ferrous material.	-
70630	Magnetic	386066	5887855	A2	-	-	-	219	Distinct anomaly. Possible piece of ferrous material.	-
70631	Magnetic	385787	5887611	A2	-	-	-	73	Distinct anomaly. Possible piece of ferrous material.	-
70632	Magnetic	385081	5886778	A2	-	-	-	38	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70633	Magnetic	385139	5886653	A2	-	-	-	33	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70634	Magnetic	385074	5886438	A2	-	-	-	129	Distinct anomaly. Possible piece of ferrous material.	-
70635	Magnetic	385269	5886363	A2	-	-	-	63	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70636	Magnetic	385177	5886350	A2	-	-	-	34	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70637	Magnetic	385080	5886312	A2	-	-	-	30	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70638	Magnetic	385272	5886256	A2	-	-	-	310	Distinct anomaly. Possible piece of ferrous material.	-
70640	Magnetic	384768	5885694	A2	-	-	-	50	Distinct anomaly. Possible piece of ferrous material.	-
70641	Magnetic	384642	5885547	A2	-	-	-	40	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70642	Magnetic	384759	5885086	A2	-	-	-	139	Distinct anomaly. Possible piece of ferrous material.	-
70643	Magnetic	384753	5884982	A2	-	-	-	379	Distinct anomaly. Possible piece of ferrous material.	-
70644	Magnetic	384458	5884758	A2	-	-	-	66	Distinct anomaly. Possible piece of ferrous material.	-
70645	Magnetic	384110	5884522	A2	-	-	-	495	Distinct anomaly. Possible piece of ferrous material.	-
70646	Magnetic	384151	5884523	A2	-	-	-	83	Distinct anomaly. Possible piece of ferrous material.	-
70647	Magnetic	384228	5884503	A2	-	-	-	166	Distinct anomaly. Possible piece of ferrous material.	-
70648	Magnetic	384264	5884448	A2	-	-	-	62	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70649	Magnetic	384472	5884317	A2	-	-	-	218	Distinct anomaly on a number of lines, though large amplitude only on one line. Possible piece of ferrous material.	-
70650	Magnetic	384460	5884323	A2	-	-	-	69	Distinct anomaly. Possible piece of ferrous material.	-
70651	Magnetic	384172	5884371	A2	-	-	-	50	Relatively small anomaly but on more than one line. Possible piece of ferrous material.	-
70652	Magnetic	384282	5884301	A2	-	-	-	35	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70653	Magnetic	383995	5884003	A2	-	-	-	51	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70654	Magnetic	384186	5883947	A2	-	-	-	59	Distinct anomaly. Possible piece of ferrous material.	-
70655	Magnetic	384219	5883953	A2	-	-	-	67	Distinct anomaly. Possible piece of ferrous material.	-
70656	Magnetic	384222	5883895	A2	-	-	-	40	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70657	Magnetic	384262	5883803	A2	-	-	-	25	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70658	Magnetic	383921	5883388	A2	-	-	-	772	Distinct anomaly. Possible piece of ferrous material.	-
70659	Magnetic	383993	5883014	A2	-	-	-	39	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70660	Magnetic	383543	5883034	A2	-	-	-	78	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70661	Magnetic	383542	5882924	A2	-	-	-	74	Distinct anomaly. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70662	Magnetic	383554	5882900	A2	-	-	-	80	Distinct anomaly. Possible piece of ferrous material.	-
70663	Magnetic	383682	5882924	A2	-	-	-	49	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70664	Magnetic	383635	5882775	A2	-	-	-	162	Distinct anomaly. Possible piece of ferrous material.	-
70665	Magnetic	383367	5882660	A2	-	-	-	96	Distinct anomaly. Possible piece of ferrous material.	-
70666	Magnetic	383508	5882119	A2	-	-	-	300	Distinct anomaly. Possible piece of ferrous material.	-
70667	Magnetic	383544	5882124	A2	-	-	-	83	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70668	Magnetic	383167	5881904	A2	-	-	-	267	Distinct anomaly on a number of lines, though high amplitude is on one line only. Possible piece of ferrous material.	-
70670	Magnetic	383428	5881803	A2	-	-	-	322	Distinct anomaly on a number of lines, though high amplitude is on one line only. Possible piece of ferrous material.	-
70671	Magnetic	383310	5881572	A2	-	-	-	743	Distinct anomaly on a number of lines, though high amplitude is on one line only.	-
70672	Magnetic	383099	5881067	A2	-	-	-	23	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70673	Magnetic	382366	5879610	A2	-	-	-	60	Distinct anomaly. Possible piece of ferrous material.	-
70674	Magnetic	382374	5879472	A2	-	-	-	57	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70675	Magnetic	382645	5879316	A2	-	-	-	42	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70676	Magnetic	382298	5879318	A2	-	-	-	55	Distinct anomaly. Possible piece of ferrous material.	-
70677	Magnetic	382270	5879144	A2	-	-	-	135	Distinct anomaly on a number of lines, though high amplitude is on one line only. Possible piece of ferrous material.	-
70678	Magnetic	382114	5879107	A2	-	-	-	28	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70679	Magnetic	382297	5878938	A2	-	-	-	605	Distinct anomaly. Possible piece of ferrous material.	-
70680	Magnetic	382342	5878847	A2	-	-	-	293	Distinct anomaly. Possible piece of ferrous material.	-
70681	Magnetic	381979	5878420	A2	-	-	-	157	Distinct anomaly. Possible piece of ferrous material.	-
70682	Magnetic	381992	5878418	A2	-	-	-	97	Distinct anomaly. Possible piece of ferrous material.	-
70683	Magnetic	382032	5877657	A2	-	-	-	81	Distinct anomaly. Possible piece of ferrous material.	-
70684	Magnetic	381856	5877661	A2	-	-	-	62	Distinct anomaly. Possible piece of ferrous material.	-
70685	Magnetic	381858	5877601	A2	-	-	-	222	Distinct anomaly. Possible piece of ferrous material.	-
70686	Magnetic	381817	5877657	A2	-	-	-	44	Small anomaly but on more than one line. Possible piece of ferrous material.	-
70687	Magnetic	381608	5877671	A2	-	-	-	32	Small anomaly but on more than one line. Possible piece of ferrous material.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70688	Magnetic	381518	5877579	A2	-	-	-	141	Distinct anomaly. Possible piece of ferrous material.	-
70689	Magnetic	381529	5877593	A2	-	-	-	217	Distinct anomaly. Possible piece of ferrous material.	-
70690	Magnetic	381539	5877588	A2	-	-	-	130	Distinct anomaly, though only really on one line. Possible piece of ferrous material.	-
70691	Magnetic	381837	5877543	A2	-	-	-	763	Distinct anomaly. Possible piece of ferrous material.	-
70692	Magnetic	381802	5877500	A2	-	-	-	90	Distinct anomaly. Possible piece of ferrous material.	-
70693	Magnetic	381822	5877475	A2	-	-	-	343	Distinct anomaly. Possible piece of ferrous material.	-
70694	Magnetic	381489	5877503	A2	-	-	-	169	Distinct anomaly. Possible piece of ferrous material.	-
70695	Magnetic	381488	5877481	A2	-	-	-	107	Distinct anomaly. Possible piece of ferrous material.	-
70696	Magnetic	381506	5877507	A2	-	-	-	56	Distinct anomaly. Possible piece of ferrous material.	-
70697	Magnetic	381537	5877487	A2	-	-	-	551	Distinct anomaly on a number of lines, though large amplitude only on one line. Possible piece of ferrous material.	-
70698	Magnetic	381554	5877469	A2	-	-	-	103	Distinct anomaly. Possible piece of ferrous material.	-
70699	Magnetic	390187	5898701	A2	-	-	-	68	Distinct anomaly. Possible piece of ferrous material.	-
70700	Magnetic	390047	5899517	A2	-	-	-	105	Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible piece of ferrous material.	-
70701	Magnetic	389992	5899501	A2	-	-	-	24	Distinct anomaly. Possible piece of ferrous material.	-
70702	Magnetic	390001	5899528	A2	-	-	-	177	Distinct anomaly. Possible piece of ferrous material.	-
70703	Magnetic	389903	5899558	A2	-	-	-	37	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70704	Magnetic	390252	5899345	A2	-	-	-	41	Small anomaly but distinct, on more than one line. Possible piece of ferrous material.	-
70705	Magnetic	390300	5899573	A2	-	-	-	65	Distinct anomaly. Possible piece of ferrous material.	-
70890	Magnetic	383500	5883088	A2	-	-	-	101	Distinct anomaly on a number of lines; possibly associated with UKHO wreck 9226. The current listed UKHO position (2014 search) is located 145m from the magnetic anomaly measuring 100nT.	UKHO 9226
7046	Debris	391258	5899468	A2	3.2	0.4	0.2	-	Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7051	Debris	391585	5899174	A2	1.1	0.2	0.2	-	Possible boulder. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7153	Debris	388868	5894029	A2	6.0	5.0	-0.1	1878	Hard edged triangular shaped debris remains, main part consists of a linear piece with more diffuse internal structure, anomaly has a bright shadow and is in a depression. Very large magnetic anomaly identified on a number of lines, though the very large amplitude only identified on one line. Possible ferrous debris.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
7156	Mound	388380	5893246	A2	6.0	5.0	0.1	637	Small mound on flat seabed. Distinct anomaly on a number of lines, though large amplitude only really on one line. Possible ferrous material.	-
7157	Debris	388085	5892477	A2	1.1	0.2	0.4	74	Isolated anomaly with a tapered shadow. Associated with a distinct magnetic anomaly 32m from debris on a number of lines. Possible ferrous debris.	-
7158	Debris	387995	5892307	A2	2.0	0.3	0.6	-	Possible boulder, close to some more smaller boulders. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7159	Dark reflector	387969	5892084	A2	1.7	0.6	0.7		Thin. hard edged dark reflector anomaly with a very bright shadow. Located on a rocky part of the seabed but looks more anthropogenic than surrounding anomalies	-
7160	Debris	385976	5887675	A2	3.2	2.7	0.3	223	Debris remains, distinctive and anthropogenic looking hard edged dark reflectors with bright shadows, made up of two linear pieces and a front, shorter linear. Possibly partially buried/broken up on a fairly sandy and even part of the seabed. Distinct magnetic anomaly on a number of lines. Possible ferrous debris.	-
7161	Debris	385460	5886580	A2	11.8	1.5	0.5	-	Linear anomaly. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7164	Debris	381749	5877686	A2	9.2	3.2	8.3	-	Circular mound with height; likely to be sediment. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7168	Dark reflector	380087	5875317	A2	6.0	0.0	0.0	-	Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7169	Debris	381777	5876887	A2	2.4	1.2	0.5	-	Medium sized hard edged and distinct dark reflector with a large and bright shadow. Looks to be in two pieces/buried by sands, debris has a large scour to the Southeast-Northwest measuring 12m	-
7170	Debris	381154	5876135	A2	1.6	0.6	0.4	-	Hard edged, small dark reflector with a large shadow. Very distinct anomaly on a sandy and even part of the seabed. Isolated possible debris remains.	-
7174	Debris	383756	5882558	A2	1.0	0.3	0.6	-	Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7175	Debris field	383970	5883170	A2	107.8	0.0	0.0	-	Possible debris field associated with possible large debris. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7177	Dark reflector	385320	5886433	A2	6.1	0.1	0.4	-	Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7178	Debris	385485	5886605	A2	3.1	1.5	0.6	-	Hard edged and distinctive right angled linear dark reflector with a bright shadow, looks to be partially buried/broken up and anomalous to surrounding seabed	-
7179	Debris	385671	5887303	A2	1.9	0.3	0.9	-	Area of disturbed sediment. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7180	Debris	385804	5887546	A2	2.2	0.2	0.1	1153	Hard edged (in parts) dark reflector with a bright shadow, curvilinear appearance and isolated on a flat and even part of the seabed, possible piece of debris. Distinct magnetic anomaly on a number of lines. Possible ferrous debris.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
7181	Debris	386598	5889123	A2	7.0	7.0	-0.1	914	Depression. Circular in shape. Distinct magnetic anomaly on a number of lines. Possible ferrous debris.	-
7182	Debris	387488	5891379	A2	2.6	0.3	0.5	-	Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7183	Debris	388063	5892599	A2	0.9	0.6	0.3	-	Hard edged, small curvilinear dark reflector with a long shadow, could be two possible pieces of debris or a partially buried piece, very distinct anomaly, looks more anthropogenic than surrounding anomalies on a rough part of the seabed	-
7184	Dark reflector	390295	5898994	A2	4.1	0.2	0.7	-	Area of disturbed sediment. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7185	Mound	390363	5899486	A2	8.0	5.0	0.1	63	Medium sized bright reflector anomaly, very distinct and irregular shaped mound. Isolated on a sandy and even part of the seabed. Distinct magnetic anomaly on a number of lines. Possible ferrous material.	-
7186	Debris	389004	5894761	A2	3.1	0.1	0.3	52	A distinct elongated anomaly with an oblong shadow isolated on the seafloor. Associated with a small but distinct magnetic anomaly, on more than one line. Possible ferrous debris.	-
7187	Debris	386300	5888850	A2	1.1	0.8	0.5	-	Hard edged semi-circular shaped dark reflector with a bright shadow, anthropogenic looking anomaly on a flat and even part of the seabed	-
7188	Debris field	385013	5885852	A2	10.0	3.0	0.1	849	Large spread of possible debris remains made up of hard edged and diffuse dark and bright reflectors. Some linear, curvilinear and rectangular anomalies the largest of which is 4m. Seafloor disturbance possibly containing debris. Surrounding seabed is flat and featureless. Oriented 090/270.Distinct magnetic anomaly on a number of lines. Possible ferrous debris.	-
7189	Rope/chain	387809	5892156	A2	2.0	0.2	0.1	-	Diffuse curvilinear anomaly, possibly rope/chain remains with a bright shadow, located in a rough and uneven part of the seabed. Anthropogenic appearance. In older data described as large area of disturbed sediment with numerous linear contacts which are not obviously connected	-
7198	Debris	390814	5899375	A2	2.7	0.2	2.8	-	Area of disturbed sediment. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7199	Debris	390826	5899077	A2	6.4	0.1	2.5	-	Sediment mound? shadow not quite on record. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7200	Debris	390804	5899066	A2	6.5	0.3	2.1	-	Sediment mound. Only identified in previous dataset and may or may not have been subsequently covered by sediment	-
7224	Magnetic	383975	5883016	A2	-	-	-	36	Small anomaly but on a number of lines, Possible Also seen in previous survey. Possible ferrous material	-
7225	Magnetic	384480	5884233	A2	-	-	-	72	Distinct anomaly. Possible ferrous material	-
7226	Magnetic	389933	5897577	A2	-	-	-	203	Distinct anomaly. Possible ferrous material. Also identified in previous survey	-
7230	Debris	389540	5895650	A2	0.6	0.4	0.3	86	Hard edged, disjointed linear dark reflector with a bright shadow, distinct anomaly on a fairly flat and even part of the seabed. Possibly natural geology or ferrous debris. Distinct magnetic anomaly on a number of lines.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
7233	Magnetic	388621	5894026	A2	-	-	-	125	Distinct anomaly on a number of lines. Also identified in previous survey. Possible ferrous material	-
7237	Magnetic	385219	5886280	A2	-	-	-	70	Irregular anomaly, on more than one line. Also identified on previous survey. Possible ferrous material	-
7243	Magnetic	380269	5875475	A2	-	-	-	265	Distinct dipole on a number of lines. Also identified on previous surveys. Possible ferrous material	-
7251	Magnetic	388335	5892949	A2	-	-	-	337	Distinct anomaly on a number of lines. Also identified in previous survey. Possible ferrous material	-
7256	Magnetic	390069	5897741	A2	-	-	-	147	Distinct anomaly on a number of lines. Also identified in previous survey. Possible ferrous material	-
70706	Rope/chain	381286	5876514	A2	8.3	0.2	0.2	-	Discreet possible linear rope/chain remains visible as a diffuse dark reflector with a bright shadow, anomaly looks disjointed and broken up on a moderately rough part of the seabed	-
70707	Rope/chain	375748	5870231	A2	8.5	0.2	0.1	81	Possible ferrous rope/chain remains located on a rough and uneven area of the seabed. Thin and hard edged dark reflector with a strong, bright shadow. Looks to be partially broken up/buried. Distinct magnetic anomaly on a number of lines. Possible ferrous chain.	-
70708	Debris	375534	5869965	A2	1.0	0.9	0.3	154	Hard edged, circular and hollow dark reflector with a large and bright shadow. Looks to be in a depression and on a rough and gravelly area of the seabed. Distinct magnetic anomaly on a number of lines. Possible ferrous debris.	-
70709	Debris	375913	5870240	A2	2.5	1.0	0.6	-	Possible piece of debris, medium sized hard edged dark reflector anomaly with in internal shadow. looks to be made up of two rounded pieces. Located on a sand/gravelly part of the seabed	-
70710	Debris field	376489	5871035	A2	4.1	1.4	0.5	626	Small spread of possible ferrous debris remains comprising three hard edged dark reflectors with shadows, very distinct and quite anthropogenic looking in between sand waves. Largest piece is 1 x 0.3m. Distinct dipole on a number of lines	-
70711	Debris	375725	5870132	A2	2.3	0.1	0.2	24	Curvilinear dark reflector anomaly with a bright shadow, Located on a rough and uneven part of the seabed. Possibly small magnetic anomalies related indicating ferrous material.	-
70712	Dark reflector	375164	5869437	A2	1.7	0.6	0.3	-	Hard edged curvilinear dark reflector anomaly with a bright shadow on the edge of the survey file. Has a hook like appearance. Located on a gravelly part of the seabed	-
70713	Debris	375917	5870013	A2	4.0	1.3	0.1	101	Medium sized ferrous debris remains comprising a central thin linear dark reflector encased in a more diffuse semi-circular dark reflector with bright shadow. Isolated anomaly located on a sandy and even part of the seabed. Distinct magnetic anomaly associated on a number of lines. Possible ferrous debris.	-
70714	Dark reflector	375647	5869543	A2	1.3	0.6	0.4	-	Medium sized hard edged dark reflector with a large and bright shadow. Located in a rough and uneven area of the seabed. Possibly natural geology	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70715	Bright reflector	377415	5871635	A2	3.1	2.4	0.0	20	Medium sized oval shaped diffuse bright reflector, possible depression, looks anomalous to the surrounding seabed. Small associated magnetic anomaly indicating ferrous material is present.	-
70716	Debris	385458	5887036	A2	2.2	0.4	0.2	311	Very diffuse looking dark rectangular reflector with a bright, square shadow. Possibly seen on adjacent survey line. Isolated possible ferrous debris remains on a sandy and even part of the seabed, large magnetic anomaly.	-
70717	Dark reflector	376762	5871515	A2	14.4	0.2	0.0	-	Hard edged linear dark reflector with no shadow, slightly broken up and abraded and located in between sand waves.	-
70718	Rope/chain	376633	5871355	A2	26.7	0.2	0.0	-	Possible rope/chain/cable remains visible as a hard edged dark reflector with no shadow on a sandy and sand wave rich part of the seabed. Possibly partially buried/broken up	-
70719	Debris	376611	5870754	A2	2.0	0.5	0.1	-	Hard edged, thin and relatively short linear dark reflector with a bright shadow. Possible debris on a very rough and uneven part of the seabed	-
70720	Debris	376600	5870921	A2	1.9	0.3	0.3	-	Curvilinear shaped hard edged dark reflector with a bright shadow and slight scouring to the E. Isolated and distinct anomaly located on a rough and uneven part of the seabed. Possible debris remains	-
70721	Rope/chain	380176	5875393	A2	11.2	0.2	0.1	-	Very discreet linear, faint dark reflector with a bright shadow, diffuse anomaly in a curvilinear shape. Located on an uneven part of the seabed. Possibly rope/chain remains	-
70722	Debris	375691	5869876	A2	1.9	1.2	0.3	1106	Curious shaped dark reflector anomaly with an internal shadow, oval shaped anomaly with a diffuse outline. Located on a rough and uneven part of the seabed. Possibly ferrous debris remains, very distinct and large magnetic anomaly associated.	-
70723	Debris	376114	5870354	A2	1.0	0.8	0.2	42	Very discreet and diffuse oval shaped dark reflector with a very bright shadow, distinct on a relatively flat part of the seabed. Possible ferrous debris remains, distinct dipole associated.	-
70724	Debris	375637	5869813	A2	1.4	0.4	0.4	94	Hard edged, small, curvilinear dark reflector with a long and bright shadow. Located on a rough and gravelly area of the seabed, possibly ferrous debris, distinct magnetic anomaly associated.	-
70725	Dark reflector	374974	5868691	A2	0.6	0.4	0.2	-	Hard edged and small dark reflector anomaly, located on a very flat and even part of the seabed and isolated. Very distinct but could be possible geology	-
70726	Debris	385567	5886711	A2	1.9	0.8	0.2	-	Very hard edged, thick, short linear anomaly located on the edge of the channel. Distinct dark reflector with a large and bright shadow, looks too solid/real to be noise. Possible debris	-
70727	Dark reflector	389023	5894346	A2	3.2	1.0	0.1	-	Diffuse looking dark reflector anomaly with a number of shadows and situated in a depression, quite discreet anomaly. Could be natural geology	-
70728	Dark reflector	381782	5876894	A2	1.1	0.4	0.5	-	Hard edged rectangular shaped dark reflector with a long and bright shadow. Located on a rough part of the seabed, possible associated scouring (approx. 18m)	-
70729	Dark reflector	390568	5897307	A2	1.4	0.3	0.5	-	Hard edged and distinctive dark reflector with a large, bright shadow. Tapered linear anomaly that is isolated on a fairly even part of the seabed.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70730	Seafloor disturbance	383660	5882449	A2	5.0	2.7	0.5	52	Seafloor disturbance located in between large sand waves, possibly partially buried. Diffuse dark reflector with a shadow, irregular shaped medium sized anomaly, possibly natural geology or ferrous material. Small magnetic anomaly.	-
70731	Debris	385019	5885820	A2	2.8	0.8	0.1	113	Diffuse looking dark reflector anomaly with shadows. Irregular shaped target that may be partially buried. Distinct magnetic anomaly associated. Possible ferrous debris.	-
70732	Dark reflector	385456	5886764	A2	2.0	1.9	0.3	-	Diffuse, irregular shaped dark reflector anomaly with an internal shadow. Isolated and curious looking anomaly on a flat and even part of the seabed	-
70733	Debris	390365	5897428	A2	1.4	1.1	0.2	-	Irregular shaped hard edged dark reflector in a depression and with a bright shadow, Slightly triangular shaped possible debris, looks more anthropogenic than surrounding anomalies	-
70734	Bright reflector	388105	5893457	A2	1.7	1.1	0.0	-	Diffuse looking bright reflector anomaly. Irregular shaped target isolated on a flat and even part of the seabed	-
70735	Debris	389986	5898919	A2	1.2	0.2	0.2	41	Hard edged, diffuse curvilinear shaped dark reflector with a bright shadow. Isolated and distinct anomaly. Small but distinct magnetic anomaly, possible ferrous debris.	-
70736	Debris	389620	5898319	A2	1.5	1.3	0.2	-	Very distinctive and hard edged possible debris remains, dark reflector with a bright shadow and in a large depression, possibly broken up/partially buried	-
70737	Debris	389714	5898836	A2	1.6	0.6	0.5	-	Rectangular shaped dark reflector with a very long and bright shadow, located in a depression. Possible debris remains with a 'bitty' appearance, looks more anthropogenic than surrounding anomalies	-
70738	Dark reflector	389705	5898969	A2	2.1	0.6	0.1	-	Hard edged and irregular shaped dark reflector in a depression and with a large shadow, anomaly looks anomalous to the surrounding seabed	-
70739	Debris field	385003	5885896	A2	11.5	8.5	0.3	-	Possible spread of distinct debris remains across a large area of the seabed, some look more anthropogenic than others, all hard edged dark reflectors with shadows, small rectangular anomalies along with linears.	-
70740	Debris	385019	5885894	A2	1.7	1.2	0.8	-	Possible debris remains, hard edged and broken up thin curvilinear dark reflector with a bright and distinct shadow.	-
70741	Debris	386790	5889888	A2	2.0	1.1	0.1	-	Debris remains that appear as a diffuse dark reflector bunched up rope/chain remains, has a bright and distinctive shadow on a gravelly part of the seabed	-
70742	Dark reflector	389205	5895265	A2	0.7	0.1	0.3	-	Very small but distinct hard edged dark reflector with a long shadow, located in some kind of depression, could be natural geology	-
70743	Debris	389300	5895577	A2	1.1	0.5	0.1	40	Small, dark reflector anomaly with a bright shadow, looks to be in a depression and with some sediment build up behind it to the west. Possible ferrous debris.	-
70744	Debris	389353	5895578	A2	1.4	1.2	0.6	-	Hard edged possible debris remains, has a broken up appearance and made up of dark reflectors with bright shadows, one small linear and two rectangular pieces	-
70745	Dark reflector	387742	5892381	A2	1.5	0.5	0.3	-	Hard edged 'v' shaped dark reflector with a shadow, located on the edge of the survey line, isolated and distinct, could be natural geology	-
70746	Dark reflector	389205	5895577	A2	0.9	0.3	0.2	-	Hard edged double linear dark reflector with a bright shadow, distinctive and isolated, possibly natural geology	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70747	Dark reflector	390515	5898330	A2	1.4	0.4	0.1	-	Irregular shaped dark reflector with a bright shadow, hard edged curvilinear anomaly which looks to be in a depression.	-
70748	Dark reflector	382074	5878740	A2	9.3	0.5	0.1	-	Long and thin possible cable/pipeline remains, visible as a thin hard edged dark reflector with a bright shadow.	-
70749	Debris	386275	5889311	A2	1.6	0.8	0.2	74	Diffuse looking irregular shaped dark reflector with a bright shadow and in a depression, isolated and distinct anomaly. Distinct magnetic anomaly, though only really on one line, 30m from possible debris. Possible ferrous debris.	-
70750	Debris	388787	5894706	A2	0.7	0.4	0.1	-	Hard edged irregular shaped linear dark reflector with a bright shadow located in a depression and on a noisy part of data, possible debris remains.	-
70751	Debris	381670	5877615	A2	2.0	0.3	0.2	1090	Hard edged and broken up dark reflector anomaly with a discreet shadow, possible debris. Isolated and distinct located on the edge of a sand wave. Distinct magnetic anomaly. Possible ferrous debris.	-
70752	Debris	387675	5892288	A2	1.9	0.3	0.1	-	Possible debris remains with a bright centre, oval shaped dark reflector anomaly with a shadow, looks anomalous to the surrounding seabed.	-
70753	Debris	389255	5895222	A2	0.8	0.4	0.4	-	Hard edged, curvilinear shaped thin dark reflector with a long and bright shadow. Isolated anomaly, possibly debris.	-
70754	Debris	384958	5885473	A2	0.5	0.1	0.4	258	Hard edged and distinct rectangular shaped dark reflector with a bright shadow, looks to have a thin, diffuse linear dark reflector coming off it. Possible debris remains. Distinct magnetic anomaly, possible ferrous debris.	-
70755	Dark reflector	386153	5888224	A2	1.4	0.2	0.3	-	Hard edged, distinct and isolated dark reflector with a bright shadow, looks anomalous to the surrounding seabed.	-
70756	Debris	389494	5897395	A2	1.0	0.1	0.3	-	Hard edged and distinct thin linear dark reflector with a bright shadow. Isolated possible debris remains, looks anthropogenic.	-
70757	Dark reflector	389669	5898698	A2	0.9	0.2	0.3	-	Hard edged curvilinear dark reflector with a bright shadow and in a slight depression. Distinct anomaly on a flat and even part of the seabed.	-
70758	Rope/chain	384956	5885870	A2	5.3	0.2	0.3	-	Possible rope/chain remains visible as a diffuse dark reflector with weak shadow, curvilinear anomaly on a flat and even part of the seabed	-
70759	Debris	388784	5894289	A2	0.9	0.3	0.2	121	Hard edged and distinctive medium sized dark reflector with a very bright shadow, located on a rough and uneven part of the seabed. Anomaly is slightly right angled and looks more anthropogenic than surrounding anomalies, possible ferrous debris with a distinct magnetic anomaly.	-
70760	Debris	388266	5893660	A2	1.7	0.4	0.2	-	Irregular shaped possible debris remains on an area of the seabed with small sand waves. Dark reflector which looks to be partially buried and with a bright shadow, small possible scour to the south of anomaly.	-
70761	Debris	383485	5882799	A2	3.1	0.2	0.2	447	Hard edged, very thin and discreet linear dark reflector with a large and bright shadow. Looks more anthropogenic than the surrounding seabed, Possible ferrous debris remains.	-
70762	Dark reflector	386604	5889965	A2	2.8	1.1	0.2	-	Medium sized dark reflector with a slight shadow. diffuse anomaly that looks to be spread or partially buried across the seabed. Looks anomalous to surrounding seabed, maybe possible geology.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70763	Dark reflector	388041	5892566	A2	0.4	0.3	0.4	-	Hard edged jagged dark reflector with a bright shadow and in a slight depression, possibly natural geology as lots of anomalies on this rough and uneven part of the seabed.	-
70764	Dark reflector	386304	5889081	A2	0.5	0.1	0.1	-	Irregular shaped dark reflector anomaly in a large depression and with a short shadow, quite discreet anomaly, may be natural geology.	-
70765	Debris	385611	5887147	A2	1.0	0.6	0.4	36	Hard edged rectangular shaped dark reflector with a long and bright shadow. isolated and distinct anomaly on a fairly even part of the seabed. Small magnetic anomaly. Possible ferrous debris.	-
70766	Debris	384352	5884416	A2	1.0	0.4	0.2	349	Rectangular shaped hard edged and distinctive dark reflector with a bright shadow, looks slightly broken up/abraded. Possible ferrous debris remains, large magnetic anomaly.	-
70767	Dark reflector	385431	5886964	A2	2.0	0.2	0.6	-	Hard edged, thin dark reflector with a long, thin and bright shadow, isolated and distinctive anomaly, possibly natural geology.	-
70768	Debris	386710	5889439	A2	2.5	1.6	0.4	-	Hard edged distinctive possible debris remains, dark reflector with a bright shadow and in a slight depression. Isolated anomaly on a flat and even part of the seabed.	-
70769	Debris	385146	5885742	A2	2.1	1.5	0.2	158	Diffuse looking right angled dark reflector anomaly with a short but bright shadow, 'V' shaped possible debris remains on a flat and even part of the seabed, possibly partially broken up/buried. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70770	Debris	383613	5882029	A2	0.9	0.9	0.6	220	Possible debris remains, thin and hard edged dark reflector with a very large and bright shadow. Located on a gravelly part of the seabed. Isolated and distinct anomaly. Distinct magnetic anomaly on a number of lines, though high amplitude is on one line only. Possible ferrous debris.	-
70771	Debris	390644	5897834	A2	1.1	0.4	0.5	-	Small, hard edged and very distinctive dark reflector with a long and bright shadow, situated in a distinct depression. Isolated possible debris on a flat and even part of the seabed.	-
70772	Debris	385483	5886524	A2	2.6	0.8	0.3	-	Hard edged and distinctive linear dark reflector with a very bright shadow and in a depression, isolated and distinctive anomaly, possibly debris.	-
70773	Debris	384849	5885029	A2	0.5	0.2	0.2	430	Small and hard edged dark reflector with a 'ring' shaped attachment surrounded by a bright shadow. Distinctive anomaly on a flat and even part of the seabed, possibly natural geology, Distinct anomaly on a number of lines, suspicious of negative amplitude.	-
70774	Debris	387425	5891145	A2	2.1	1.9	0.1	864	Irregular shaped possible debris remains visible as a dark reflector with bright shadow. One hard edged linear piece and small circular anomalies. Isolated and distinct on a fairy even part of the seabed. Possible ferrous debris.	-
70775	Dark reflector	391130	5898946	A2	2.8	2.1	0.5	-	Hard edged and distinctive dark reflector with a large and bright shadow, slightly triangular shaped and in a depression isolated on a sandy and even part of the seabed.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70776	Debris	384676	5884825	A2	3.5	1.2	0.3	57	Medium sized possible debris remains, anthropogenic looking right angled diffuse dark reflector anomaly, could be partially buried in fine sediments, has an internal bright reflector and a bright shadow. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70777	Debris	384056	5883266	A2	1.3	0.3	0.6	-	Hard edged curvilinear dark reflector with a bright shadow, long and thin possible debris isolated on a gravelly part of the seabed.	-
70778	Debris	389422	5896347	A2	2.0	0.3	0.4	-	Hard edged slightly curvilinear dark reflector with a strong and bright shadow, possible piece of debris. Isolated and distinct anomaly on a sandy/gravelly part of the seabed, possibly partially buried.	-
70779	Debris	390405	5898382	A2	2.5	1.3	0.3	-	Diffuse oval shaped dark reflector with a bright shadow, looks anthropogenic in shape, isolated and distinct on a gravelly but even part of the seabed. Looks to be made up of two pieces/partially buried by sediments.	-
70780	Debris field	390619	5897614	A2	5.7	5.4	0.8	-	Medium sized spread of possible debris remains, made up of small hard edged dark reflectors with very large and bright shadows, approx. 10+ anomalies, the largest being 0.5m.	-
70781	Debris	383603	5882293	A2	2.8	0.5	0.4	-	Hard edged and distinctive possible debris remains, irregular linear dark reflector anomaly with a bright shadow and in a slight depression, located in between sand waves, scour to east measuring 12.6m.	-
70782	Debris	388106	5892623	A2	2.0	0.6	1.1	-	Possible debris remains, visible as a small, hard edged linear anomaly on a gravelly part of the seabed, with a large, distinct and bright shadow. Looks anthropogenic.	-
70783	Dark reflector	389534	5897344	A2	1.7	1.1	0.2	-	Thin, hard edged linear dark reflector with a bright shadow and in a slight depression, isolated and distinct anomaly on a sandy part of the seabed. Possibly natural geology.	-
70784	Debris	387127	5891391	A2	0.9	0.5	0.4	310	Medium sized rectangular hard edged dark reflector with a bright shadow and slight scouring to the east. Irregular but distinct associated magnetic anomaly. Possible ferrous debris.	-
70785	Debris	385779	5888420	A2	0.8	0.4	0.3	134	Hard edged and distinctive small, dark reflector with a bright shadow. Isolated anomaly on a gravelly but even part of the seabed. Distinct associated magnetic anomaly; possible ferrous debris.	-
70786	Debris	383625	5883383	A2	0.7	0.6	0.5	92	Hard edged and partially diffuse rectangular dark reflector with a long and bright shadow, very distinct anomaly, isolated on a rough and uneven part of the seabed. Distinct associated magnetic anomaly; possible ferrous debris.	-
70787	Debris field	389960	5897372	A2	11.0	3.0	0.4	59	Possible debris field comprising four hard edged dark reflector anomalies, all with shadows. Three short linears (approximately 1.5m maximum) and one irregular, oval shaped anomaly, located on a gravelly part of the seabed. Small but distinct associated magnetic anomaly; possible ferrous debris.	-
70788	Debris	390276	5899312	A2	1.4	0.3	0.4	55	Small, slightly broken up/buried hard edged dark reflector with a bright and long shadow. Isolated and distinct anomaly on a gravelly part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70789	Debris	389738	5898515	A2	1.4	1.3	0.5	728	Hard edged, straight, rectangular dark reflector with a bright shadow. Possible debris remains in a slight depression on a gravelly part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70790	Debris	389577	5898128	A2	0.6	0.5	0.5	-	Hard edged, thick curvilinear dark reflector with a long and bright shadow, very distinct possible debris remains in a depression and with some sediment build up around it.	-
70791	Debris	387875	5892306	A2	1.4	0.4	0.4	-	Hard edged and distinctive possible debris remains, medium sized triangular shaped anomaly in a slight depression and with a bright and distinctive shadow.	-
70792	Debris	383428	5882709	A2	0.9	0.2	0.5	56	Small and hard edged distinctive dark reflector with a very long and bright shadow, possible debris, isolated anomaly on a rough and uneven part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70793	Debris	389900	5899663	A2	3.4	2.5	0.3	-	Possible debris remains, made up of three diffuse dark reflectors that could be buried/broken up on a sandy and even part of the seabed. Dark reflectors with shadow, looks anthropogenic.	-
70794	Debris	387483	5891643	A2	2.1	0.7	0.4	-	Hard edged, thick but short linear dark reflector with a very bright shadow, looks distinct and anthropogenic looking on a sandy seabed. A little sediment build up to the north of anomaly.	-
70795	Debris	388887	5894591	A2	2.7	1.3	0.4	-	Curious looking oval possible debris remains mainly comprising a bright reflector/shadows, has a diffuse west and east dark reflector part with a small central hard edged dark reflector anomaly.	-
70796	Debris	389329	5895516	A2	3.1	1.4	0.4	-	Diffuse dark reflector anomaly with a long and bright shadow, rectangular shaped and in a slight depression. Located on a sandy and even part of the seabed. Possible debris.	-
70797	Debris	387409	5891727	A2	1.9	1.2	0.7	163	Hard edged and distinctive possible debris remains, two linear hard edged dark reflectors with shadows in a parallel alignment. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70798	Debris	385689	5887757	A2	4.0	4.0	0.1	-	Possible debris remains made up of a rounded thin linear hard edged dark reflector with a very large and bright shadow. Distinct anomaly isolated on a sandy part of the seabed. Small circular mound surrounded by shallow scour.	-
70799	Debris	388041	5893053	A2	1.8	0.6	0.3	-	Possible debris remains visible as a hard edged linear dark reflector with a very bright and distinctive shadow, isolated anomaly.	-
70800	Debris	388759	5894645	A2	2.2	1.5	0.2	53	Possible debris remains, oval shaped medium sized dark reflector with a bright shadow and in a slight depression. Isolated and distinct anomaly on a gravelly part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70801	Debris	390257	5897818	A2	4.3	0.3	0.2	166	Hard edged rectangular shaped dark reflector with a bright shadow off the edge of the survey line, looks to be in a slight depression. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70802	Rope/chain	382063	5878837	A2	1.3	0.4	0.1	-	Likely rope chain remains, visible as a thin, diffuse dark reflector with a small shadow in parts. Looks highly anthropogenic and looks to be partially buried by sediment.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70803	Debris	382085	5879089	A2	1.0	0.1	0.1	177	Very thin and discreet hard edged dark reflector with a bright shadow. located on a gravelly part of the seabed. Distinct magnetic anomaly on a number of lines, though high amplitude is on one line only. Possible ferrous debris.	-
70804	Debris	385900	5888535	A2	1.5	1.0	0.2	-	Hard edged oval shaped dark reflector with a bright internal reflector and shadow. Possible debris, looks to be situated in a depression and isolated on a sandy and even part of the seabed.	-
70805	Debris	385833	5888411	A2	1.9	0.6	0.2	574	Distinct elongated anomaly, possibly with some curvilinear features, with a defined oblong shadow. Associated with a distinct magnetic anomaly on a number of lines, though large amplitude only really on one line. Possible ferrous debris.	-
70806	Debris	387851	5892869	A2	1.7	0.3	0.3	56	Hard edged linear dark reflector with a bright shadow on a noisy part of data, looks anthropogenic. Broad, irregular magnetic anomaly only on one line. Possibly natural or noise, but close to possible debris. Possible ferrous debris.	-
70807	Debris	384722	5885456	A2	2.5	2.4	0.6	158	Hard edged partially buried dark reflector anomaly with an internal bright reflector and distinct shadow. Hard edged anomaly, isolated and distinct in a sandy part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70808	Debris	381973	5878298	A2	7.4	0.6	0.3	92	Hard edged and irregular looking dark reflector with a bright shadow/bright reflector attached. Distinct linear anomaly, possible debris. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70809	Debris	386295	5889095	A2	2.9	2.5	0.3	113	Irregular dark reflector with a central bright reflector/shadow, large oval shaped anomaly with a dark reflector outline, looks curious and anomalous to surrounding seabed. Distinct associated magnetic anomaly, though large amplitude only really on one line. Possible ferrous debris.	-
70810	Debris	385150	5886540	A2	2.4	0.4	0.3	-	Irregular shaped linear hard edged dark reflector anomaly with a bright shadow and in a slight depression. Possible debris remains, isolated and distinct on a flat and even part of the seabed.	-
70811	Debris	386120	5890176	A2	3.0	1.1	0.7	70	Hard edged dark reflector with a bright shadow, right angled linear anomaly with a very bright and distinct shadow and in a slight depression. Isolated and distinct possible debris remains. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70812	Debris	385548	5887256	A2	2.4	1.2	0.4	55	Very diffuse looking dark reflector with a long and bright shadow, looks anomalous to the surrounding seabed, Slight scour to the north, possible debris. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70813	Debris	381631	5877206	A2	1.7	0.5	0.4	-	Irregular shaped, hard edged dark reflector with a diffuse shadow, located in between sand waves. Isolated and distinctive anomaly	-
70814	Debris	390392	5898327	A2	2.3	1.0	0.3	-	Hard edged oval shaped dark reflector with a bright shadow and internal bright reflector, very distinct and anthropogenic looking possible debris remains in a slight depression.	-
70815	Debris	385812	5888441	A2	0.8	0.2	0.2	80	Hard edged and thin linear dark reflector with a large, bright shadow, possible debris remains. Distinct associated magnetic anomaly. Possible ferrous debris.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70816	Debris	390313	5897890	A2	3.9	2.8	0.3	-	Diffuse looking oval shaped dark reflector with a bright shadow and internal bright reflectors, possibly partially buried/covered. Looks anthropogenic and possible debris remains.	-
70817	Debris	382293	5879051	A2	4.0	2.1	0.2	790	Large and distinctive dark reflector anomaly, semi-circular hollow bright reflector with a bright appearance, isolated on a rough, gravelly part of the seabed, possible ferrous debris remains, with a distinct associated magnetic anomaly.	-
70818	Rope/chain	385507	5887246	A2	19.4	1.4	0.3	249	Diffuse looking long and thin rope/chain dark reflector with a faint shadow coming off a dark reflector anomaly Thin, 'hook' like dark reflector with a bright shadow, possible ferrous anchor. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70819	Debris	377544	5872065	A2	1.6	0.9	0.7	1054	Possible ferrous debris remains on a sandy part of the seabed, looks to be partially buried/broken up on a gravelly seabed. Hard edged dark reflector with a bright shadow, looks anthropogenic. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70820	Debris	379306	5874365	A2	0.8	0.6	0.4	71	Discreet and small/partially buried dark reflector with a large shadow and in a slight depression. Located on a fairly even part of the seabed. Isolated possible ferrous debris, though 42m from medium sized magnetic anomaly.	-
70821	Debris	378981	5873995	A2	2.0	1.1	0.5	595	Hard edged and distinctive medium sized ferrous debris remains. Oval shaped dark reflector with a very large and bright shadow and in a depression on a sandy and even part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70822	Debris	377520	5872227	A2	7.8	1.4	0.3	46	Possible small fishing vessel, hard edged and thin hull edge seen to the east of remains, very distinct and bright shadow present. Not much internal structure/remains visible. Located on a sandy and even part of the seabed with small amount of scour, distinct associated magnetic anomaly. Possible ferrous debris.	-
70823	Debris	375615	5869916	A2	1.8	1.4	0.2	19	Hollow, circular hard edged dark reflector with a long and bright shadow in a slight depression. Located on a rough and uneven part of the seabed, looks anthropogenic and possible ferrous debris.	-
70824	Debris	379936	5875311	A2	2.0	0.3	0.7	192	Curvilinear hard edged dark reflector with a very large shadow located on a fairly even part of the seabed. Isolated possible ferrous debris. slight scouring to the east and west.	-
70825	Debris	375498	5870023	A2	1.1	0.4	0.9	409	Very hard edged and distinct dark reflector with a large shadow, rectangular shaped anomaly located on a rough and uneven gravel rich area of the seabed. Possible ferrous debris.	-
70826	Debris	376699	5870742	A2	3.9	2.8	1.3	215	Medium/large piece of ferrous debris, hard edged triangular shaped dark reflector with a bright shadow, very anthropogenic looking debris remains, Large scour to the east less than 15m long. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70827	Dark reflector	375820	5869705	A2	1.2	1.2	0.3	-	Hard edged curvilinear dark reflector with a bright, disjointed shadow. Located on a rough and uneven part of the seabed. Possibly natural geology.	-

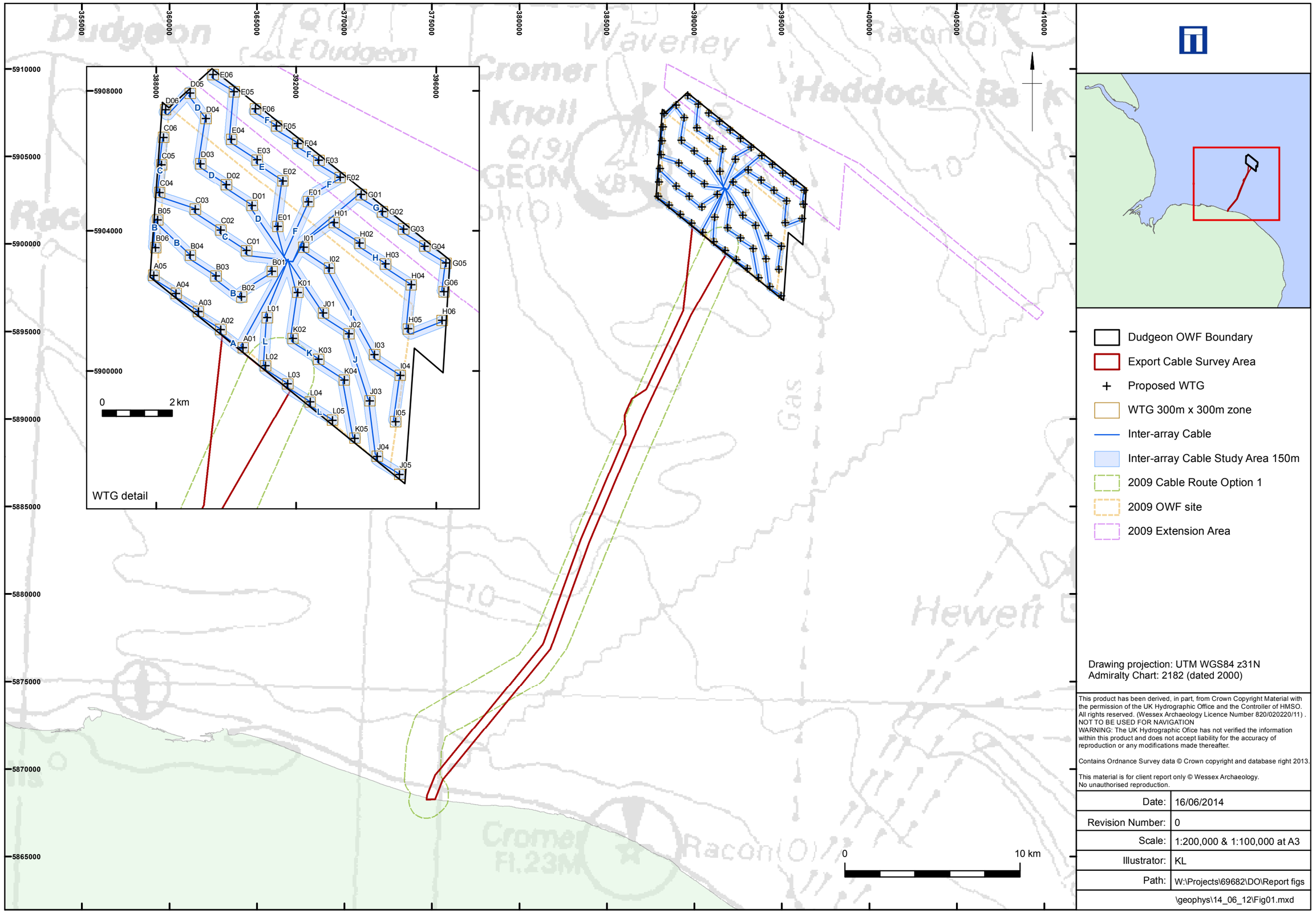
WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70828	Debris	375953	5869878	A2	1.2	1.1	0.2	355	Hollow and circular shaped possible ferrous debris. Hard edged dark reflector anomaly with a faint shadow. Isolated and distinct on a sandy and relatively flat part of the seabed.	-
70829	Dark reflector	375611	5869515	A2	0.4	0.2	0.3	-	Hard edged curvilinear dark reflector with a long and bright shadow, located on a gravelly/rocky part of the seabed. Possibly natural geology.	-
70830	Debris	377037	5871265	A2	1.6	0.4	0.3	-	Diffuse linear dark reflector anomaly with a faint shadow. Slightly tapered at one end. Located across a small sand wave and quite distinct.	-
70831	Rope/chain	375854	5870421	A2	6.4	0.6	0.1	186	Long and thin curvilinear anomaly, possibly ferrous rope/chain remains, hard edged dark reflector with a bright shadow on a sandy part of the seabed, looks to be partially buried. Distinct associated magnetic anomaly. Possible ferrous chain.	-
70832	Seafloor disturbance	377942	5872315	A2	8.7	7.8	0.7	456	Medium sized area of possible seafloor disturbance containing ferrous material, comprising approximately 5 hard edged dark reflectors with shadows and some bright reflectors. Looks anomalous to surrounding seabed. Largest anomaly 1.8m. Distinct associated magnetic anomaly.	-
70833	Debris	375814	5869761	A2	2.1	0.3	0.5	30	Hard edged and distinct right angled dark reflector with a strong, bright shadow. Anomaly looks to be in a slight depression on a rough and gravelly part of the seabed. Possibly ferrous debris.	-
70834	Debris	375772	5869762	A2	1.2	0.4	0.4	-	Hard edged slightly rectangular shaped dark reflector with a bright shadow, slight scouring to the east of possible debris (8m). Located on a rough and gravelly area of the seabed.	-
70835	Debris	375482	5869838	A2	2.2	1.8	0.3	161	Diffuse looking ferrous debris, made up of two hollow, circular dark reflectors with bright shadows on a gravelly area of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70836	Debris	375529	5869896	A2	2.2	1.1	0.5	30	Hard edged, thick curvilinear dark reflector with a long and bright shadow. Possible debris with some ferrous part in a slight depression and has a large scour to the southeast (7m). Small associated magnetic anomaly. Possible ferrous debris.	-
70837	Debris	375447	5869485	A2	1.3	0.4	0.6	-	Hard edged triangular shaped dark reflector with a long and bright shadow, distinct anomaly with a scour mark to the Southeast measuring 6m. Located on a fairly uneven but sandy part of the seabed.	-
70838	Debris	375875	5869890	A2	0.9	0.8	0.2	126	Hollow, circular hard edged dark reflector anomaly with a bright shadow. Located on a small sand wave and isolated on the seabed. Possible ferrous debris. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70839	Debris	375780	5869862	A2	0.8	0.8	0.4	239	Hollow circular hard edged dark reflector anomaly with a long and bright shadow. Distinct and anthropogenic looking ferrous debris on a fairly even part of the seabed. Scour mark to Southeast measuring 12m. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70840	Debris	375202	5868831	A2	3.2	0.3	0.1	-	Irregular shaped linear hard edged dark reflector with a shadow. Isolated and distinct anomaly on a fairly even and sandy area of the seabed. Located next to a sand wave.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70841	Debris	380872	5876058	A2	1.1	1.0	0.1	-	Circular and hollow possible debris remains, very diffuse dark reflector with a bright centre and shadow. Located on a sandy and even part of the seabed. Isolated anomaly.	-
70842	Debris	377540	5872091	A2	2.6	2.3	0.8	459	Hard edged right angled dark reflector with a very long and bright shadow. Debris is situated on a sandy and even part of the seabed and in a slight depression, isolated and distinct ferrous debris. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70843	Debris	380996	5875983	A2	2.7	2.0	0.7	94	Small and hard edged dark reflector with a large, bright and irregular shaped shadow. Possibly ferrous debris that looks to be slightly broken up/buried on a flat and even sandy seabed. Faint scour to the Southeast measuring 1.7m. Large associated magnetic anomaly. Possible ferrous debris.	-
70844	Debris	376713	5870820	A2	3.5	1.9	0.3	243	Medium sized possible piece of ferrous debris comprising a hard edged linear with smaller rectangular dark reflector attached, both with bright shadows. Located on a rough and uneven part of the seabed. Distinct associated magnetic anomaly. Possible ferrous debris.	-
70845	Debris	376477	5870890	A2	2.4	0.6	0.4	-	Hard edged and distinctive dark reflector with a long and bright shadow, Scouring to the Southeast and in a slight depression. Anthropogenic looking anomaly located on a rough and uneven part of the seabed, possible non-ferrous debris.	-
70846	Magnetic	390226	5900535	A2	-	-	-	21	Small anomaly but on a number of lines. Possible ferrous material.	-
70847	Magnetic	390249	5900516	A2	-	-	-	23	Small anomaly but on a number of lines. Possible ferrous material.	-
70848	Magnetic	390309	5900480	A2	-	-	-	39	Small anomaly but on a number of lines. Possible ferrous material.	-
70849	Debris	390440	5900425	A2	2.0	0.3	0.1	260	Two immediately adjacent, near parallel distinct hard edged elongated dark reflector with a defined rectangular shadow visible. Located on a quiet seabed with a large associated magnetic contact. Possible ferrous debris.	-
70850	Dark Reflector	390306	5900333	A2	1.8	1.0	0.3	-	Distinct angular anomaly isolated on a quiet seabed. Clear defined angular shadow visible.	-
70851	Dark Reflector	390432	5900310	A2	1.2	0.9	0.3	-	Isolated angular anomaly with a defined tapered shadow.	-
70852	Magnetic	390963	5899958	A2	-	-	-	431	Distinct anomaly on a number of lines though large amplitude only on one line. Possible ferrous material.	-
70853	Dark Reflector	391350	5899643	A2	1.6	1.3	0.4	-	Distinct angular anomaly with a distinct hard edge and with a rectangular shadow with diffuse edges. Located near similar anomaly, approximately 29m to the northeast.	-
70854	Dark Reflector	391356	5899670	A2	1.3	0.9	0.3		Angular anomaly with a distinct tapered shadow visible on a quiet seabed. Located approximately 29m to the northeast of similar anomaly.	-
70855	Magnetic	391393	5899598	A2	-	-	-	34	Small anomaly but on a number of lines. Possible ferrous material.	-
70856	Dark Reflector	391507	5899564	A2	0.9	0.8	0.2	-	Slightly angular anomaly with a distinct tapered shadow near the extent of the range.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70857	Dark Reflector	391541	5899474	A2	1.2	0.7	0.4	-	Distinct elongated anomaly a hard edge and tapered shadow visible. Area surrounded by similar smaller anomalies.	-
70858	Dark Reflector	391532	5899444	A2	1.1	0.8	0.1	-	Diffuse angular anomaly with a small shadow visible on a quite flat and even seabed. Surrounded by similar smaller anomalies.	-
70859	Dark Reflector	391529	5899432	A2	0.8	0.2	0.1	-	Slightly elongated anomaly with a distinct shadow showing some height variation. Surrounded by similar smaller anomalies.	-
70860	Debris	391485	5899453	A2	1.5	0.7	0.4	-	Irregular anomaly, partial semi-circle which appears slightly buried. Distinct shadow visible showing some height variation.	-
70861	Debris	391471	5899411	A2	3.4	0.5	0.1	70	A diffuse rectangular elongated anomaly with a clear oblong shadow visible. Associated with a medium magnetic contact. Possible ferrous debris.	-
70862	Magnetic	391666	5899378	A2	-	-	-	158	Distinct anomaly but only on one line. Possible ferrous material.	-
70863	Debris	391690	5899233	A2	1.4	1.1	0.6	-	Distinct anomaly with a clear elongated hard edge. Defined tapered shadow visible.	-
70864	Dark Reflector	391476	5899172	A2	1.1	1.0	0.3	-	Diffuse, slightly elongated anomaly with a clear tapered shadow visible.	-
70865	Dark Reflector	391472	5899176	A2	1.1	0.7	0.2	-	Diffuse anomaly with a surrounding depression with tapered shadow.	-
70866	Magnetic	391437	5899007	A2	-	-	-	52	Distinct anomaly but only on one line. Possible ferrous material.	-
70867	Magnetic	391413	5899215	A2	-	-	-	298	Distinct dipole anomaly. Possible ferrous material.	-
70868	Dark Reflector	391399	5899122	A2	1.3	0.2	0.4	-	Distinct anomaly isolated on a quiet seabed with a tapered shadow visible. Clear hard edged in a possible 'T' shape.	-
70869	Magnetic	391148	5899157	A2	-	-	-	65	Distinct anomaly but only on one line. Possible ferrous material.	-
70870	Dark Reflector	391295	5899297	A2	0.8	0.6	0.5	-	Distinct anomaly with tapered shadow possible geology.	-
70871	Dark Reflector	391308	5899336	A2	1.1	0.7	0.3	-	Distinct triangular anomaly with a clear tapered shadow visible on a quiet seabed.	-
70872	Magnetic	391342	5899360	A2	-	-	-	308	Distinct anomaly on a number of lines, though large amplitude only on one line. Possible ferrous material.	-
70873	Magnetic	391061	5899603	A2	-	-	-	51	Small but distinct anomaly, only on one line. Part of an area of multiple anomalies. Possible ferrous material.	-
70874	Magnetic	391046	5899617	A2	-	-	-	125	Distinct anomaly on a number of lines. Part of an area with frequent anomalies. Possible ferrous material.	-
70875	Magnetic	391049	5899630	A2	-	-	-	36	Small anomaly but on a number of lines. Part of an area with frequent anomalies. Possible ferrous material.	-
70876	Magnetic	391038	5899633	A2	-	-	-	30	Small magnetic anomaly but on a number of lines. Part of an area with frequent anomalies. Possible ferrous material.	-
70877	Magnetic	390609	5899728	A2	-	-	-	101	Distinct magnetic anomaly though only really on one line. Possible ferrous material.	-
70878	Dark Reflector	390485	5899669	A2	2.3	0.3	0.2	-	Elongated anomaly isolated on quiet seabed with a diffuse shadow visible. Possibly distorted by stretched data.	-

WA_ID	Classification	Easting	Northing	Archaeological Discrimination	Length (m)	Width (m)	Height (m)	Magnetic Amplitude (nT)	Description	External Reference
70879	Debris	390707	5899962	A2	1.9	0.8	0.4	133	Elongated rectangular anomaly with a rectangular shadow visible and slight oblong depression before. Curvilinear scour. Large associated magnetic contact. Possible ferrous debris.	-
70880	Magnetic	390556	5900084	A2	-	-	-	75	Distinct anomaly. Possible ferrous material.	-
70881	Dark Reflector	390194	5899889	A2	1.4	0.7	0.4	-	Distinct isolated anomaly with a clear tapered shadow visible.	-
70882	Dark reflector	390068	5899889	A2	1.9	0.8	0.3	-	Diffuse dark reflector with a clear tapered shadow, isolated on a quiet seabed.	-
70883	Magnetic	390006	5900315	A2	-	-	-	48	Small anomaly but on a number of lines. Possible ferrous material.	-
70884	Magnetic	389976	5900203	A2	-	-	-	23	Small anomaly but on a number of lines. Possible ferrous material.	-
70885	Magnetic	389976	5900068	A2	-	-	-	36	Small but distinct anomaly, only on one line. Possible ferrous material.	-
70886	Magnetic	390043	5900028	A2	-	-	-	38	Small but distinct anomaly, only on one line. Possible ferrous material.	-
70887	Magnetic	390116	5900013	A2	-	-	-	54	Small anomaly but on a number of lines. Possible ferrous material.	-
70888	Magnetic	390297	5900048	A2	-	-	-	306	Distinct anomaly but on a number of lines. Possible ferrous material.	-
70889	Dark Reflector	389775	5900024	A2	1.0	0.6	0.3	-	Distinct and isolated anomaly on edge of range with tapered shadow and some smaller height.	-
7044	Wreck	374750	5868441	A3	-	-	-	-	The 4248 gross ton British Collier was built in 1914 by W. Grey and Co. Ltd, West Hartlepool. The vessel was 114.6m with a beam of 15.8m and a draught of 7.3m. At the time of loss, the vessel was carrying ballast and was owned by the New Ruperra Steam Shipping Co. The ship was on passage from the Tyne for San Francisco when it was torpedoed by UB-11. It was anchored and later beached at Weybourne, Norfolk. A UKHO survey in 1978 indicated superstructure and plates spread over a large area with four boilers in the centre. The scour was 2ft deep on the Southeast side. It 1982 it was noted that the mast was visible during most states of tide.	UKHO 10616

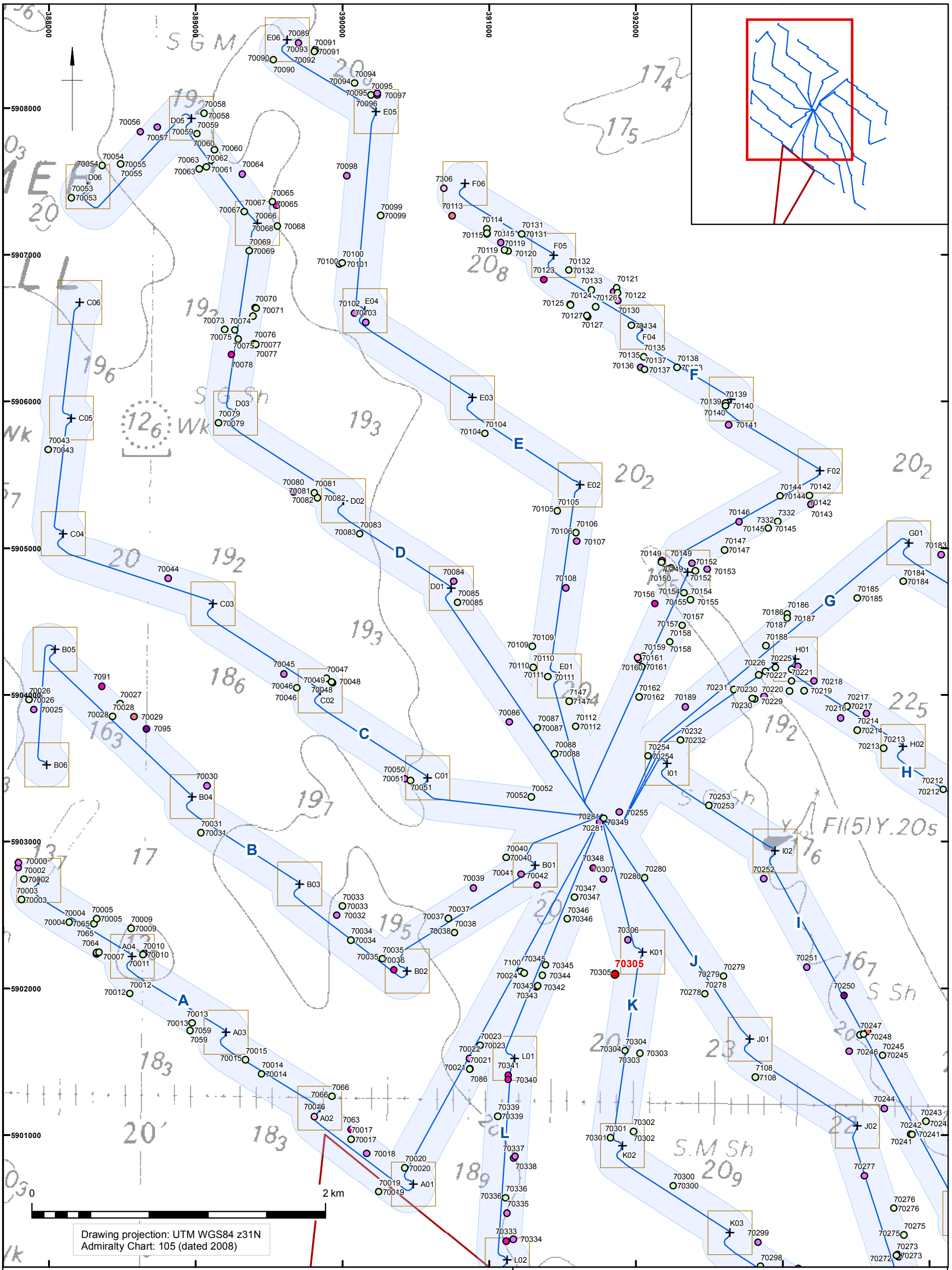
1. Coordinates are in WGS84 UTM zone 31N
2.Positional accuracy estimated ±5m



Date:	16/06/2014
Revision Number:	0
Scale:	1:200,000 & 1:100,000 at A3
Illustrator:	KL
Path:	W:\Projects\69682\DO\Report figs
	\geophys\14_06_12\Fig01.mxd

Location figure

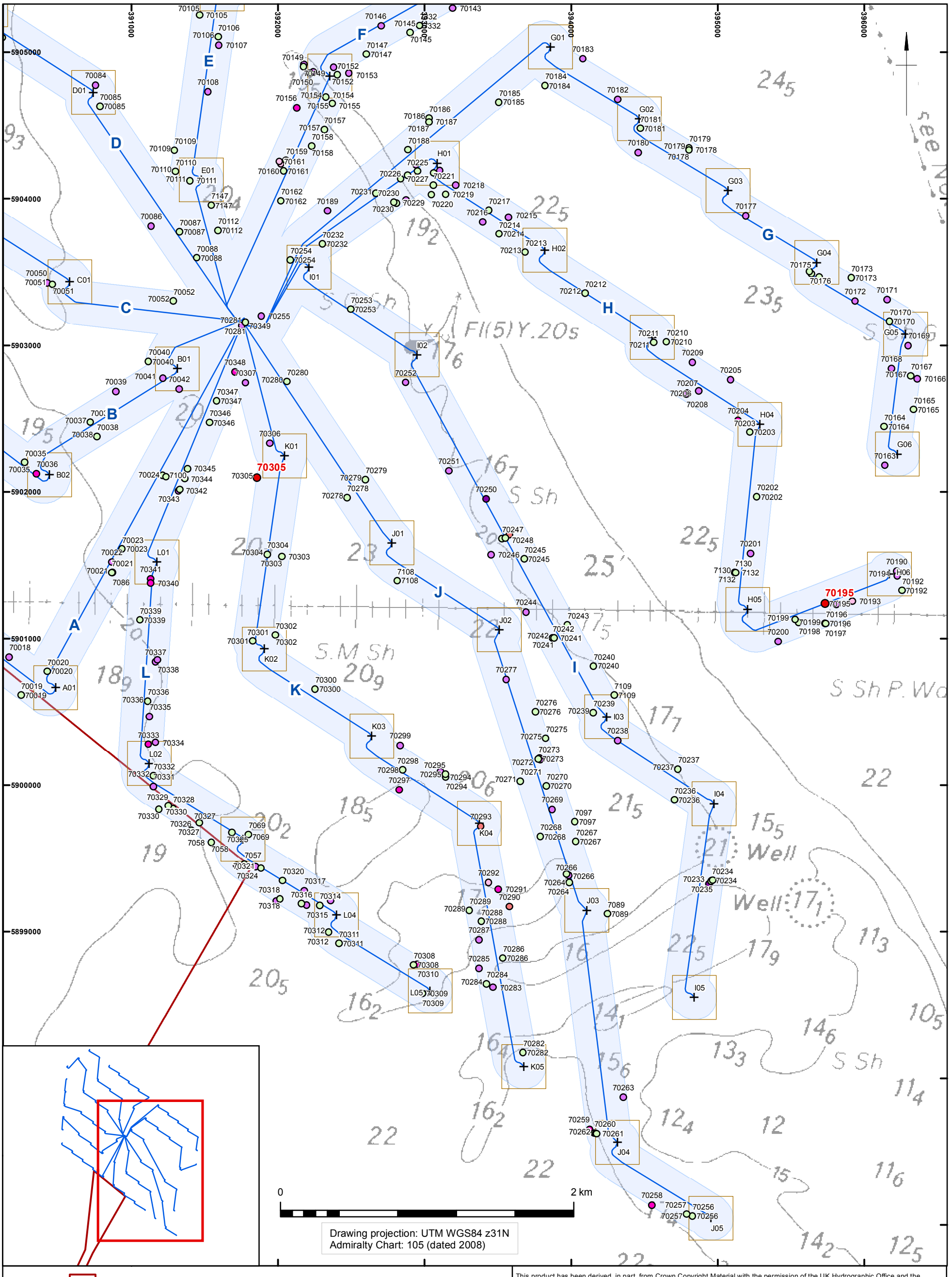
Figure 1



Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_07_26\Fig02a.mxd		

Seabed Anomalies: Offshore Wind Farm Interarray Cables A–F

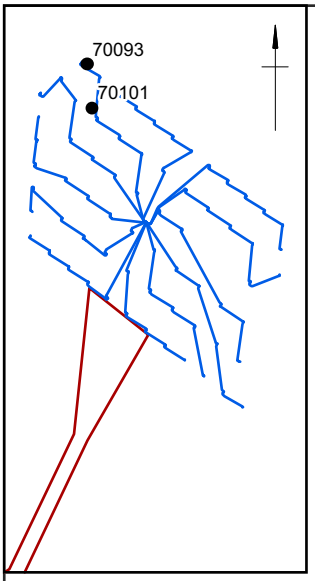
Figure 2a

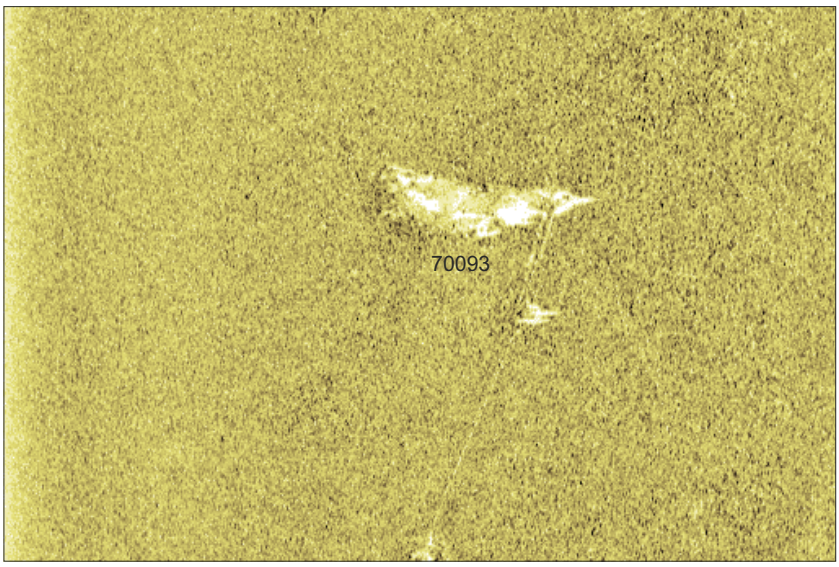


Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig02b.mxd		

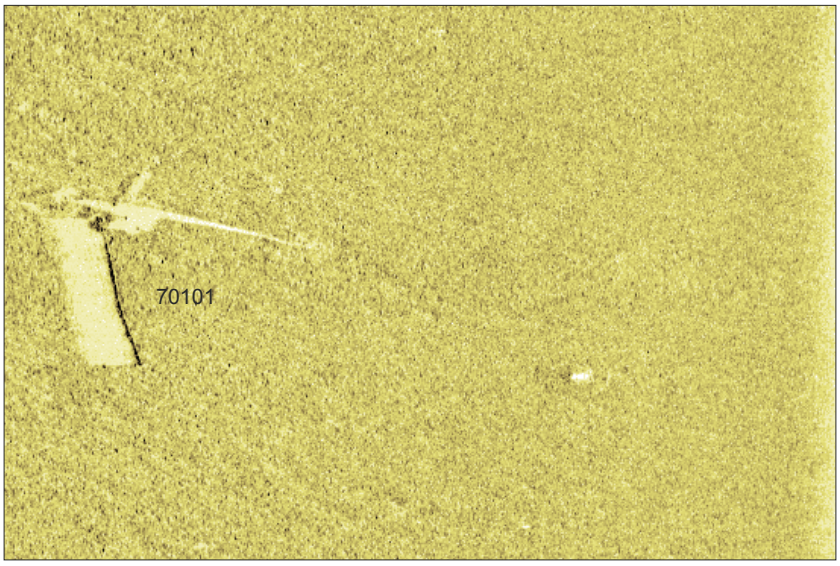
Seabed Anomalies: Offshore Wind Farm Interarray Cables G–L

Figure 2b

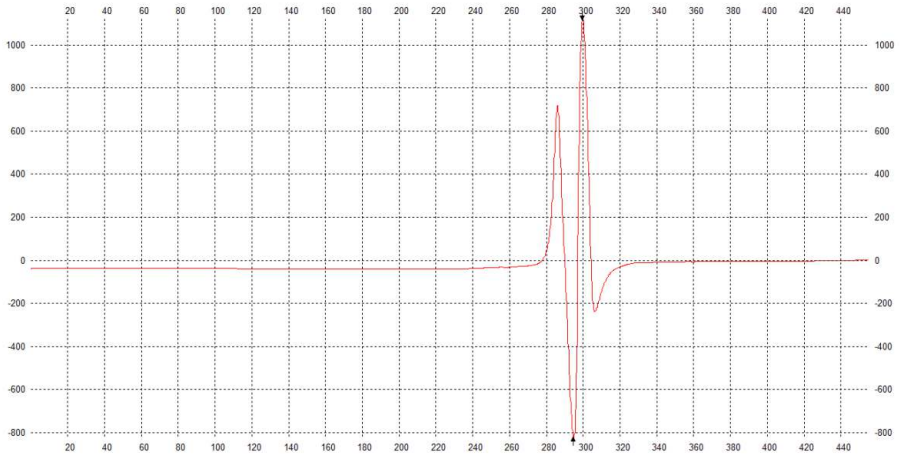




Sidescan Sonar image of Debris 70093, 8.1m x 1.9m x 1.3m

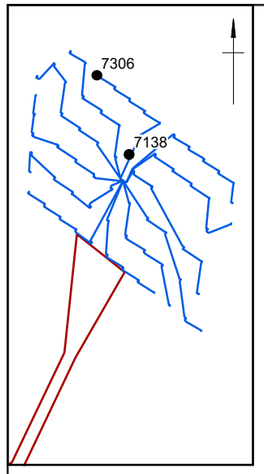


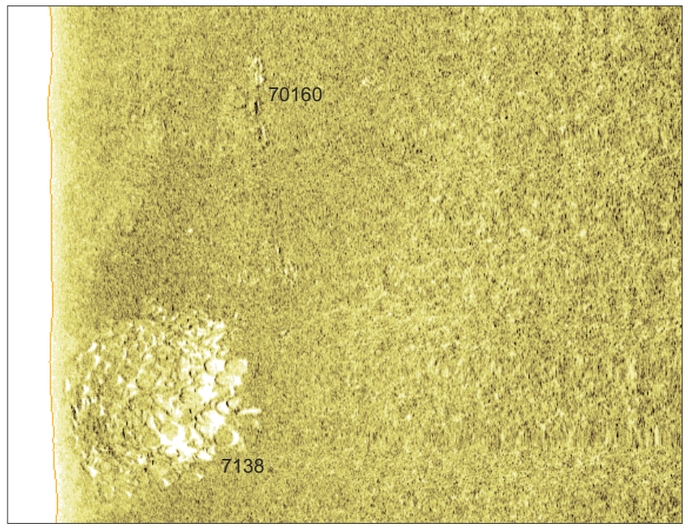
Sidescan Sonar image of Debris 70101, 18.5m x 10.5m x 0.3m



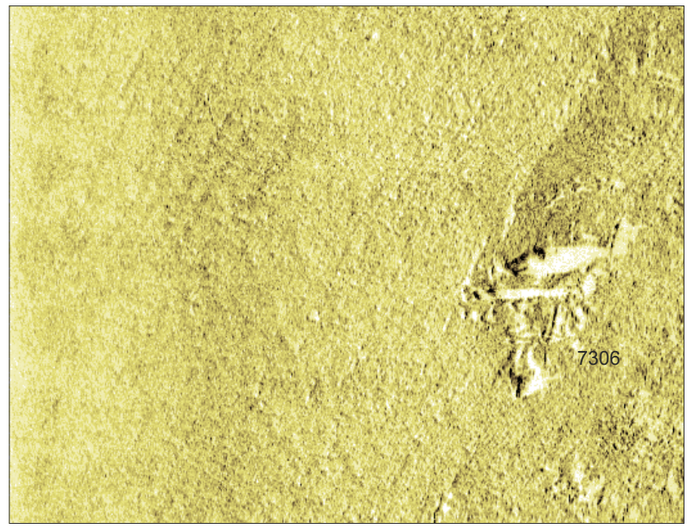
Magnetometer contact for Debris 70101, 1938nT

Date:	16/06/14	Revision Number:	0
Scale:	n/a	Layout:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig03.cdr		



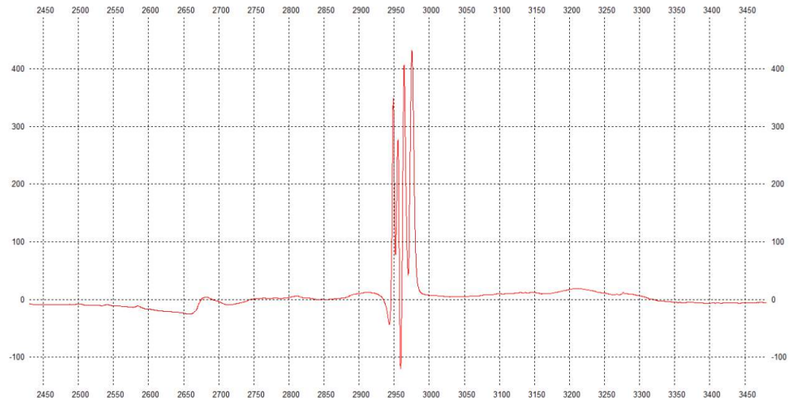


Sidescan Sonar image of Debris Field 7138, 16.3m x 11.9m x 1.2m



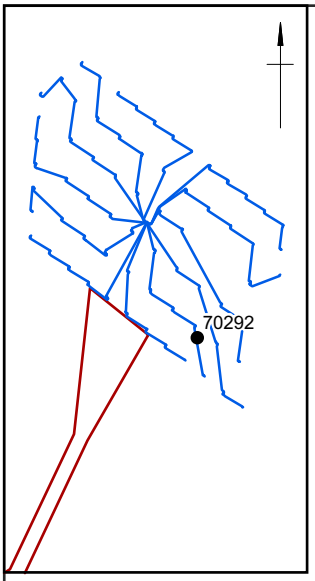
Sidescan Sonar image of Debris Field 7306, 30m x 9.7m x 0.7m

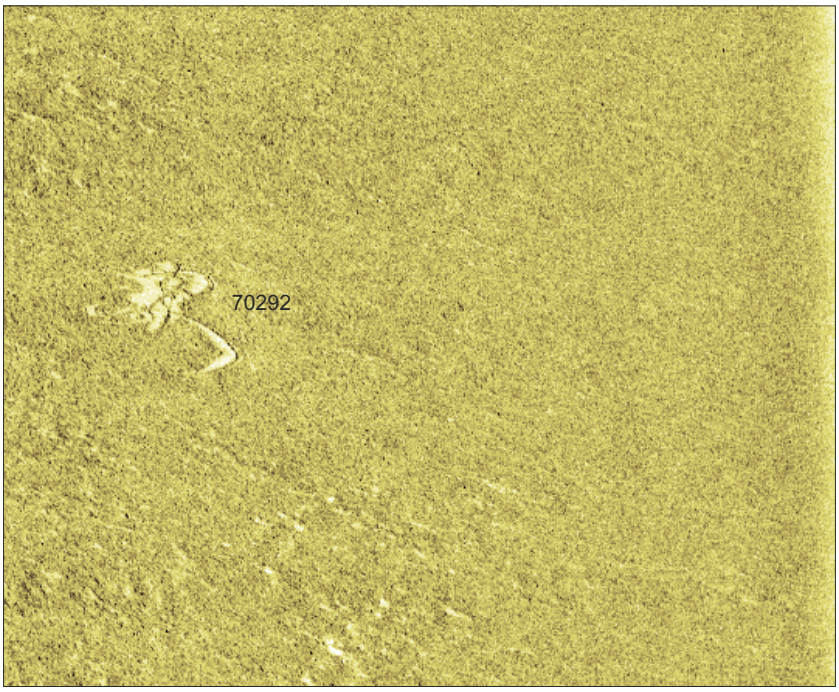
Magnetometer contact for Debris Field 7138, 382nT



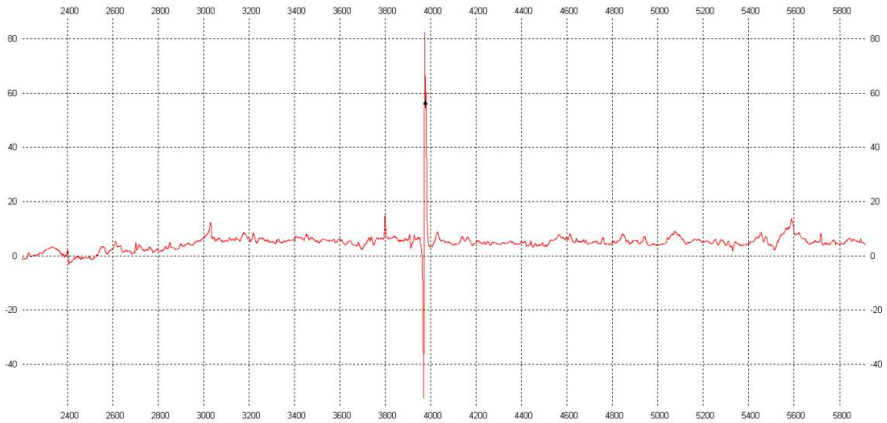
Magnetometer contact for Debris Field 7306, 546nT

Date:	16/06/14	Revision Number:	0
Scale:	n/a	Layout:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig04.cdr		



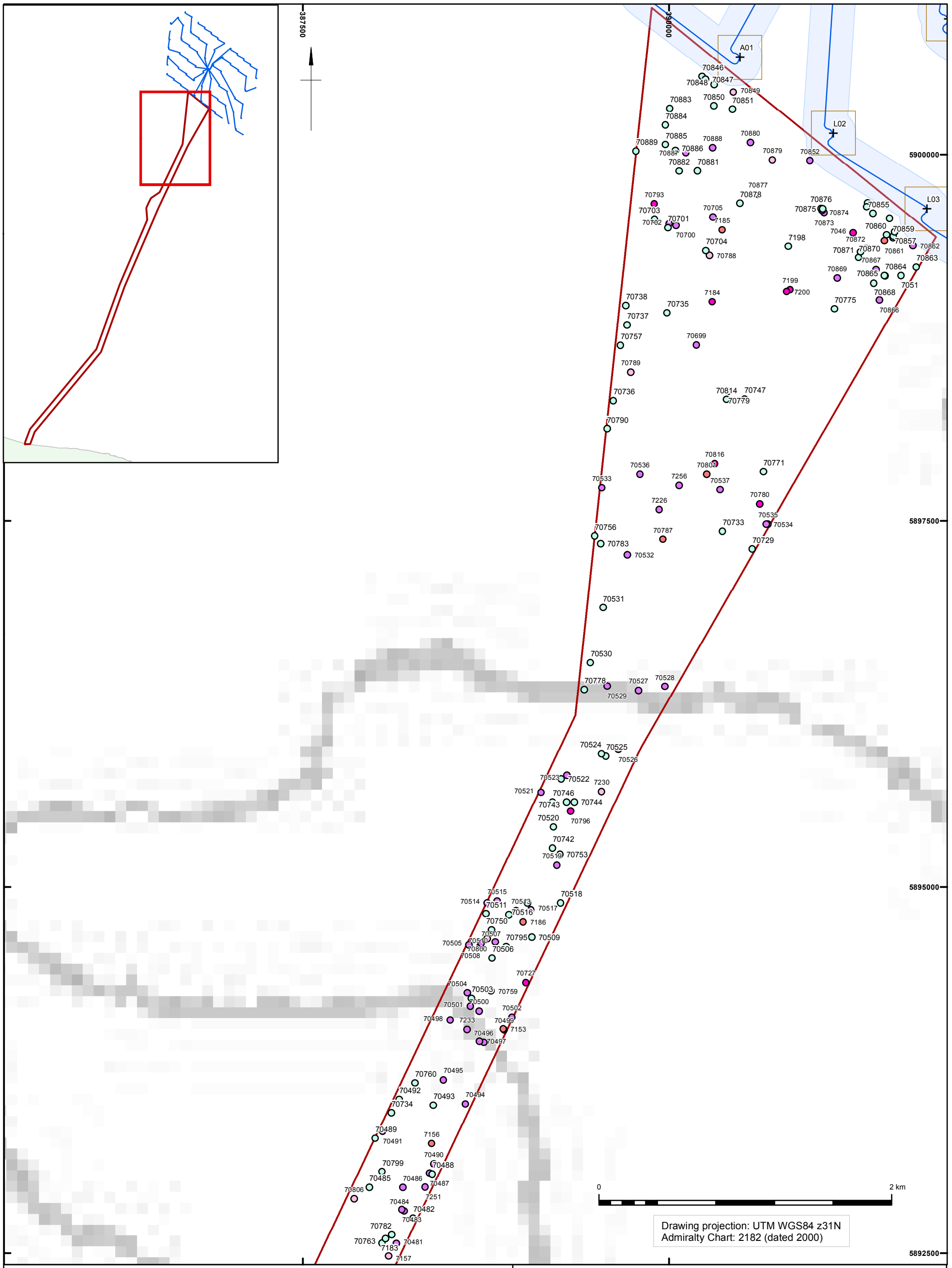


Sidescan Sonar image of Debris Field 70292, 10.3m x 6.1m x 0.2m



Magnetometer contact for Debris Field 70292, 135nT

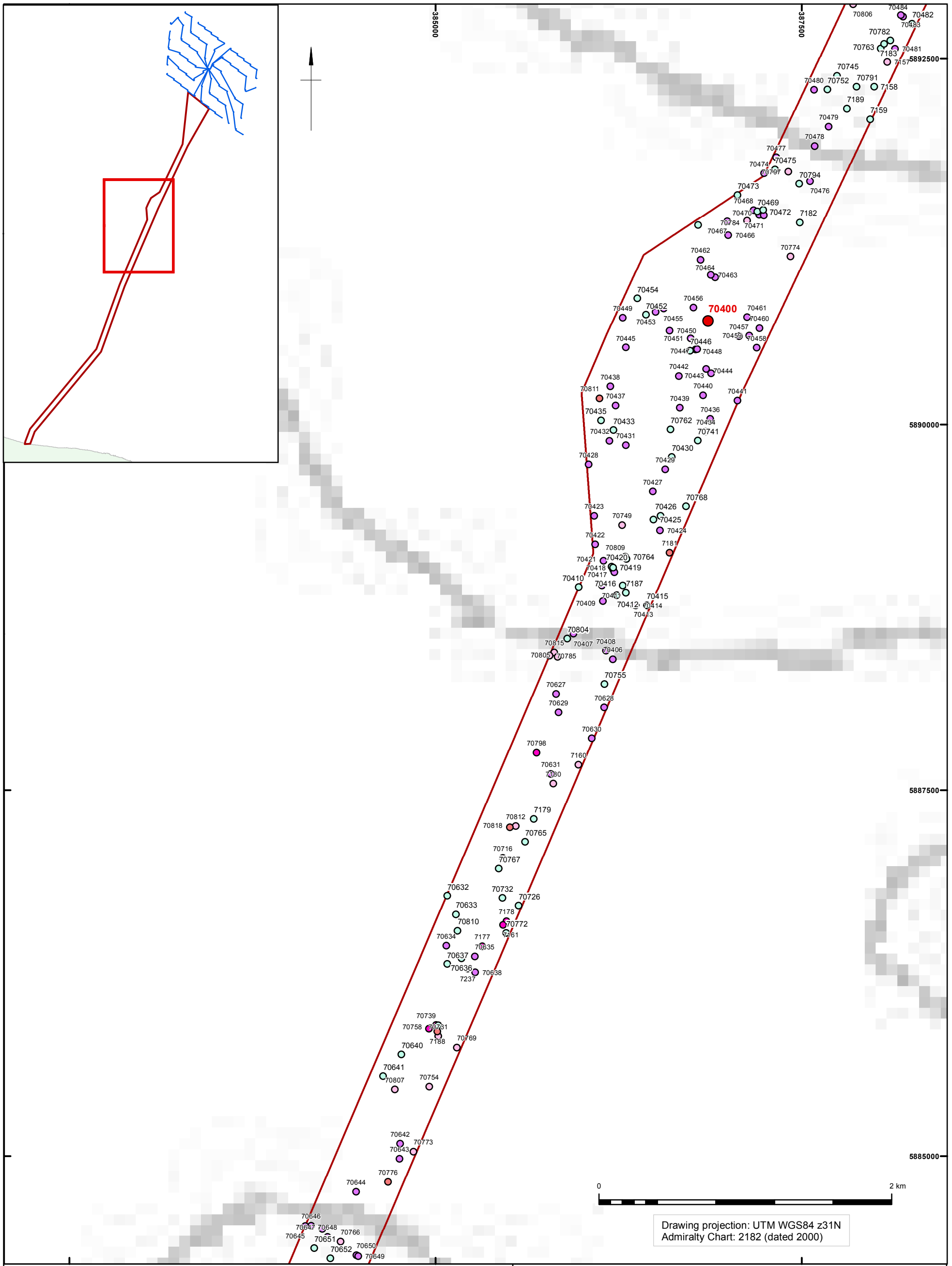
Date:	16/06/14	Revision Number:	0
Scale:	n/a	Layout:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig05.cdr		



Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_07_29\Fig06a.mxd		

Seabed Anomalies: Export Cable Route

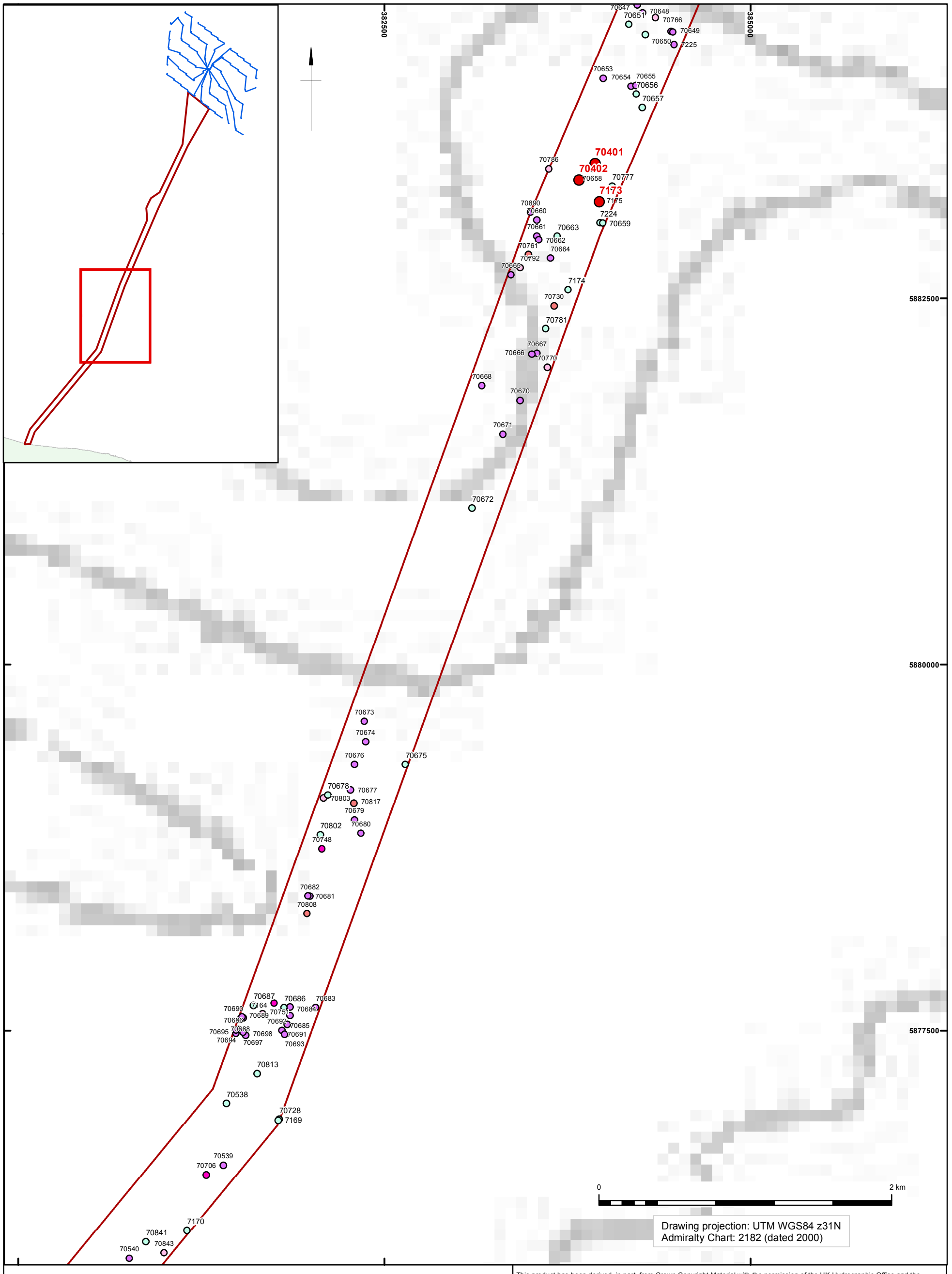
Figure 6a



Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_07_29\Fig06b.mxd		

Seabed Anomalies: Export Cable Route

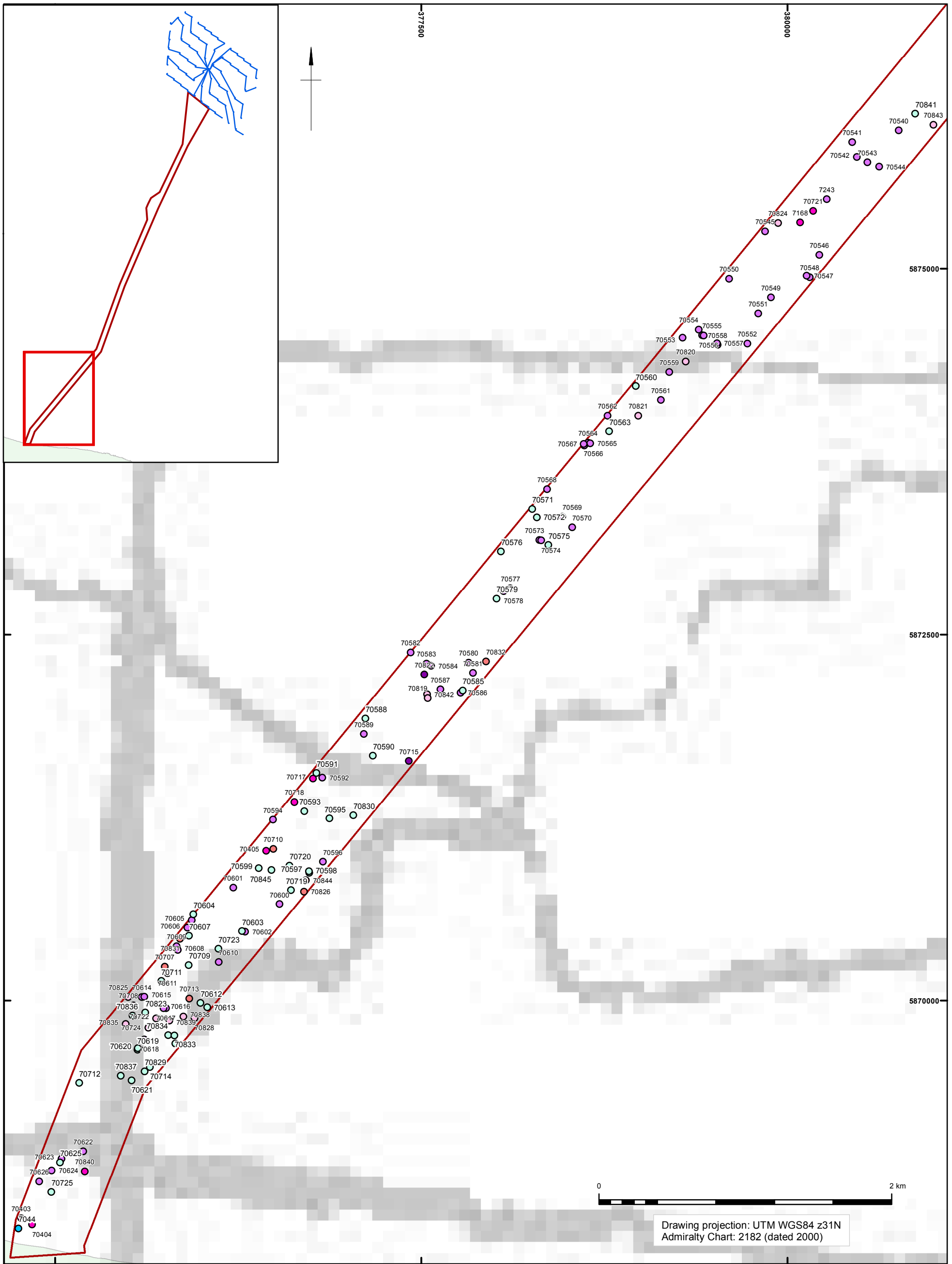
Figure 6b



Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_07_29\Fig06c.mxd		

Seabed Anomalies: Export Cable Route

Figure 6c



Export Cable Survey Area

A3

A2 Low Potential

< 50nT and < 3m

A2 High Potential

A2 (≥ 50nT)

A2 (≥ 3m)

A2 (≥ 50nT and < 3m)

A2 (≥ 50nT and ≥ 3m)

A2 (< 50nT and ≥ 3m)

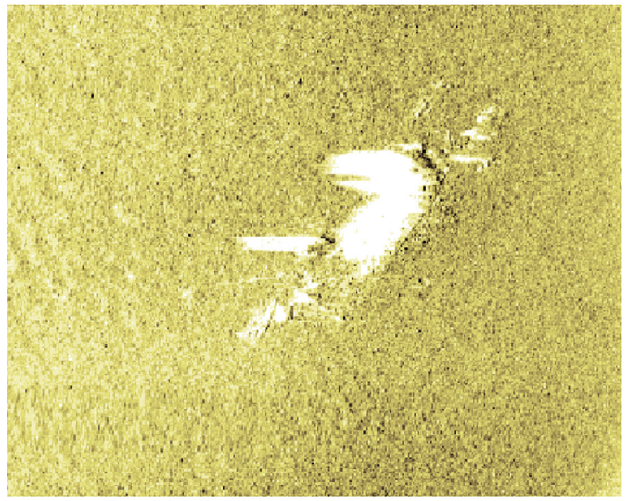
Date:	31/07/14	Revision Number:	2
Scale:	1:25,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_07_29\Fig06d.mxd		

Seabed Anomalies: Export Cable Route

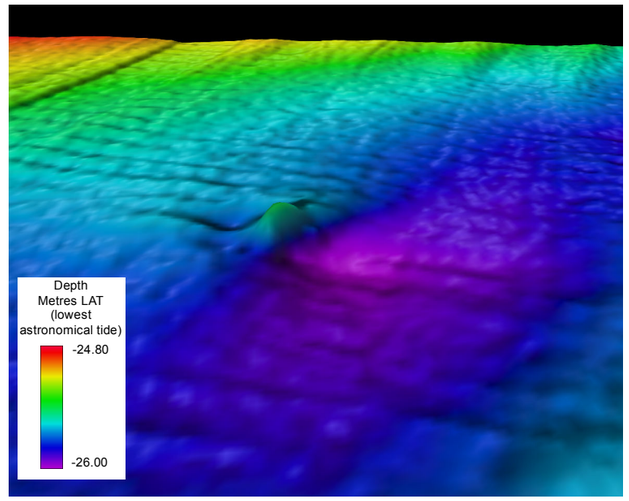
Figure 6d

Unknown Wreck 70402

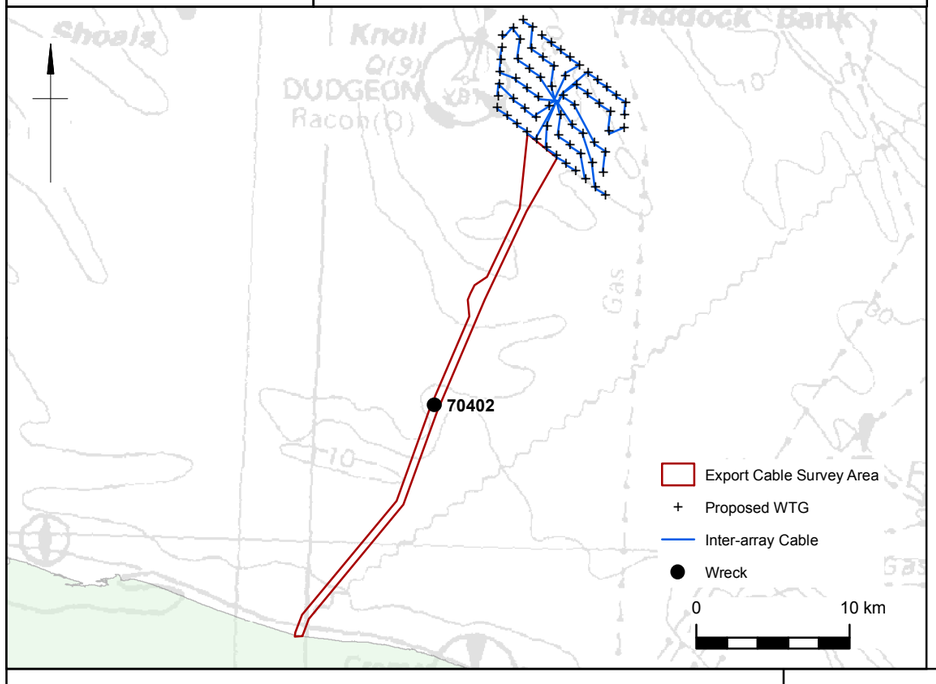
Location		383829 E 5883308 N (UTM31N)	**Area:** Export Cable Route
Archaeological Importance		High	
Geophysical Survey Dimensions and Notes		Dimensions 13m x 9m x 0.7m 70402 has been identified to be a medium to large sized area of dispersed wreck debris. In the sidescan sonar imagery the remains are made up of both diffuse and hard edged dark reflectors with large and bright shadows. Distinguishable structural remains include a 'V' shaped piece of debris and a large broken up curvilinear anomaly. The largest individual anomaly identifiable is 3.9m in length. This wreck is also clearly visible in the multibeam bathymetry data as a medium-large sized mound orientated 050/230°. The wreck has a very large magnetic anomaly associated with it measuring 1387nT indicating a ferrous construction or cargo. These are possible wreck remains.	
Build	**Date Built**	Unknown	
	Type	Unknown	
	Construction	Unknown	
	Shipyard	Unknown	
	Dimensions	Unknown	
Loss	**Cause**	Unknown	
Extents of Survival		There are no UKHO records associated with this wreck. The wreck appears as a medium sized spread of hard edged debris remains, highly broken up and abraded on the seabed. The full extent of the wreck and any associated debris may be partially covered up by the sand and gravel sediments.	

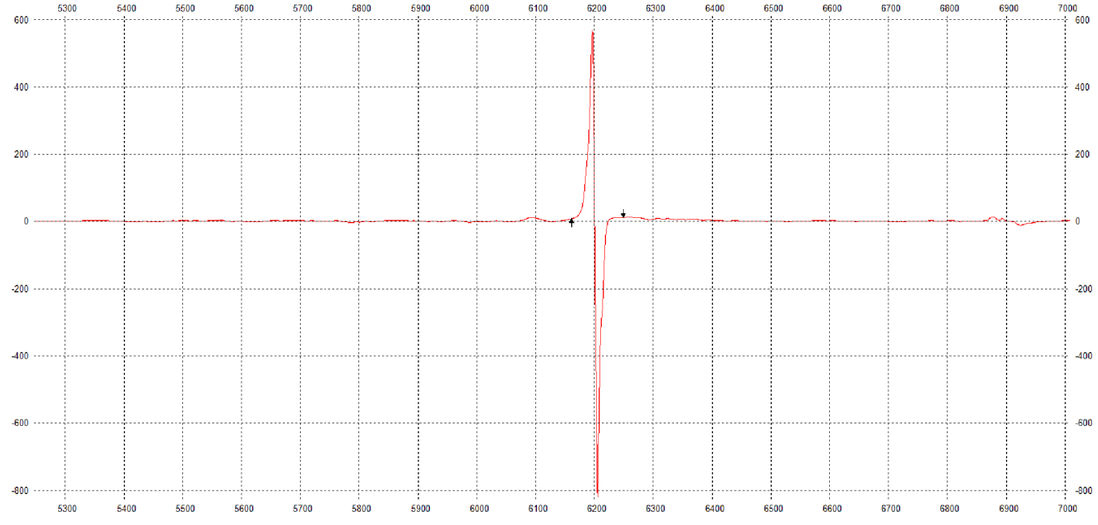


Sidescan sonar image of wreck 70402 13m x 9m x 0.7m



Multibeam bathymetry image of the wreck, looking North, x10 vertical exaggeration

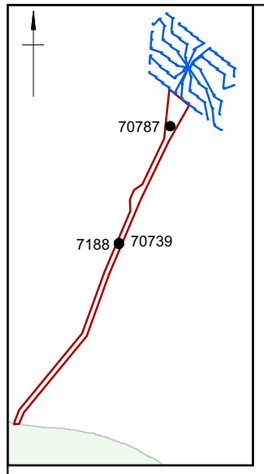


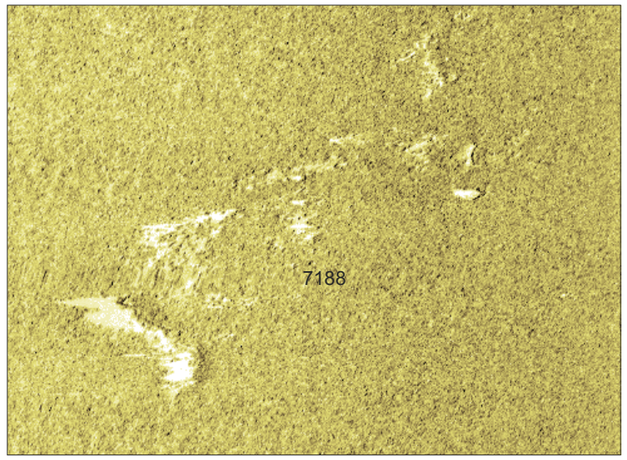


Magnetic profile of wreck 1387nT

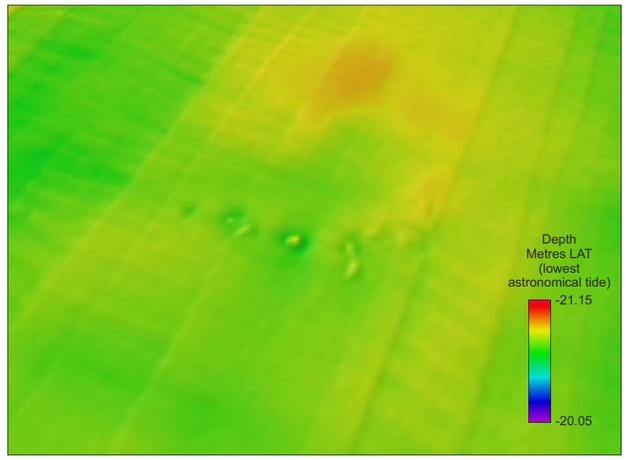
Drawing projection: UTM WGS84 z31N
Admiralty Chart: 2182 (dated 2000)

Date:	16/06/14	Revision Number:	0
Scale:	1:400,000 at A3	Illustrator:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig07.mxd		

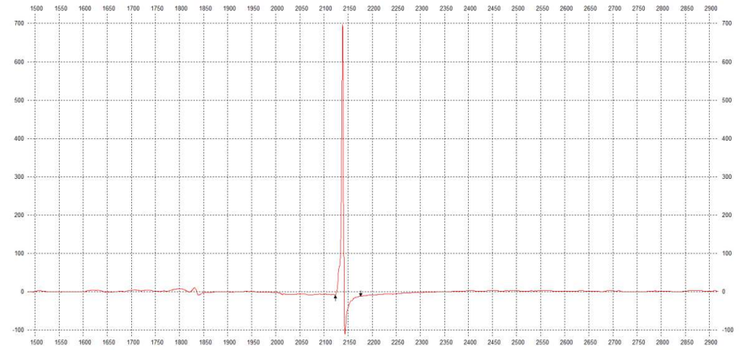




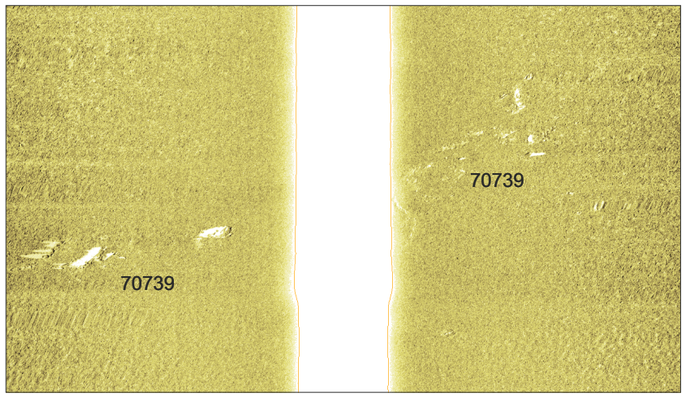
Sidescan sonar image of debris field 7188 10m x 3m x 0.1m



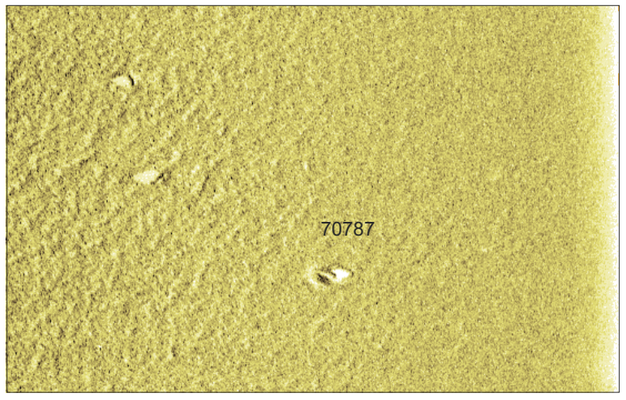
Multibeam bathymetry image of debris field 7188 looking North
x6 vertical exaggeration



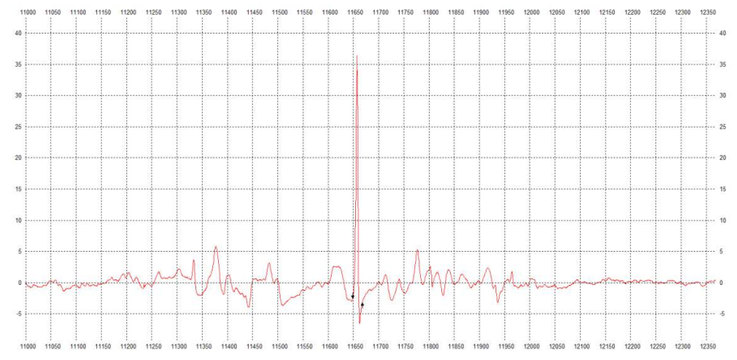
Magnetic profile of debris field 7188, 849nT



Sidescan sonar image of debris field 70739 11.5m x 8.5m x 0.3m



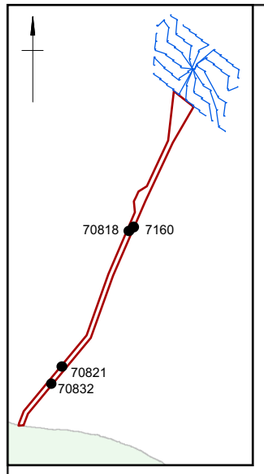
Sidescan sonar image of debris field 70787 11m x 3m x 0.4m

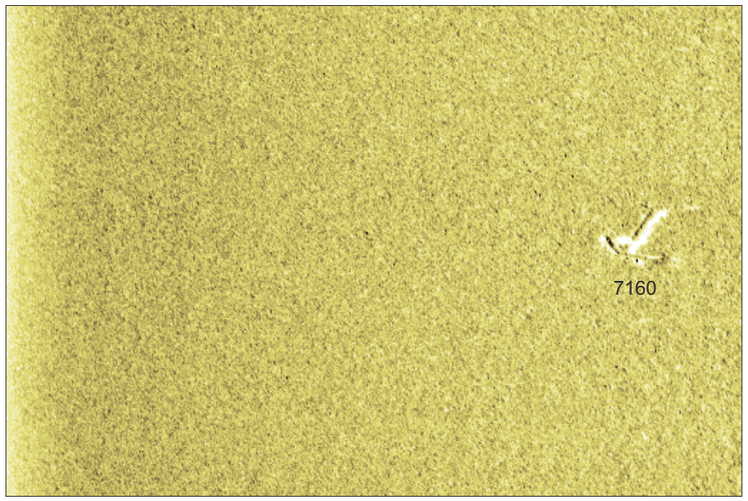


Sidescan sonar image of debris field 70739 11.5m x 8.5m x 0.3m

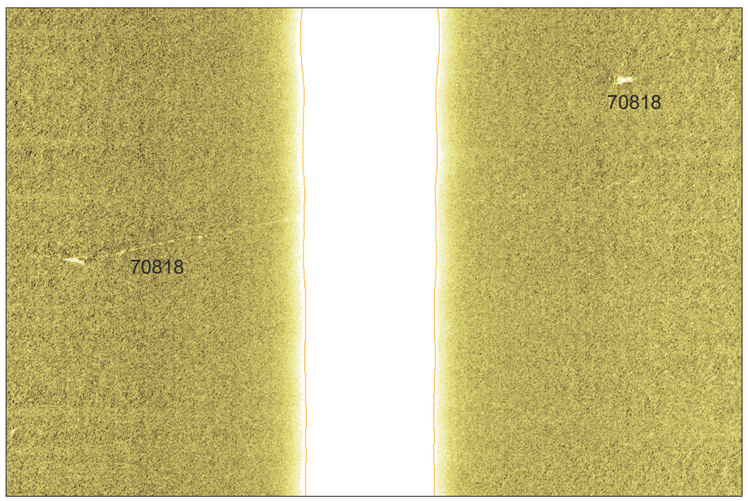
Date:	16/06/14	Revision Number:	0
Scale:	n/a	Layout:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig08.cdr		

Data Examples – Export Cable Route

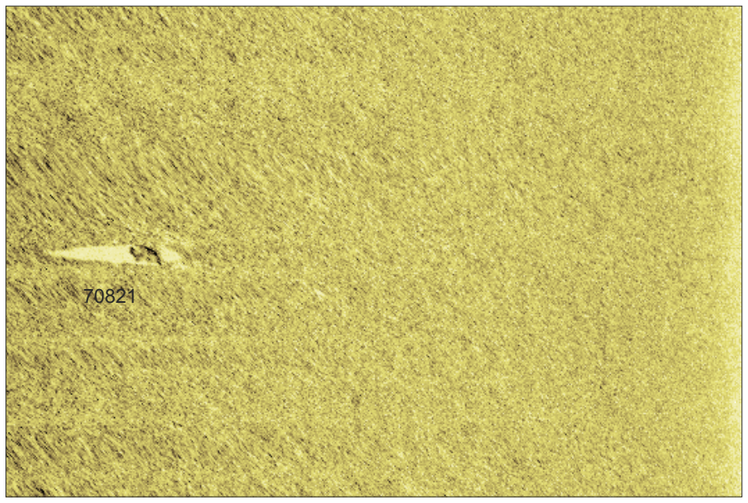




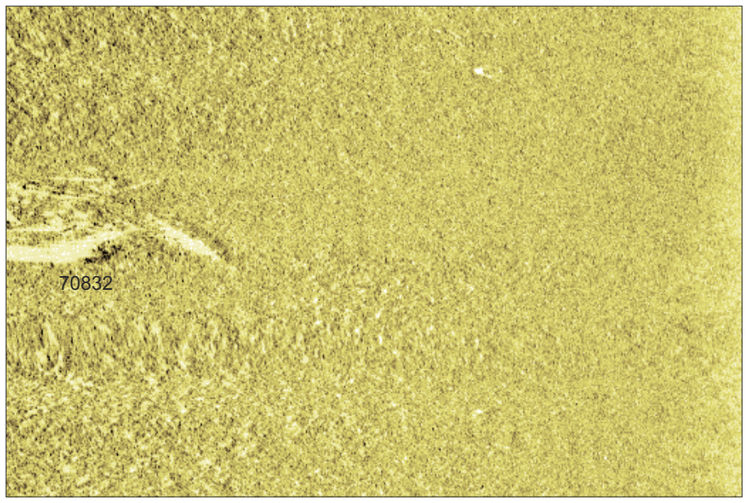
Sidescan sonar image of debris 7160 3.2m x 2.7m x 0.3m, 223nT



Sidescan sonar image of rope/chain remains 70818 19.4m x 1.4m x 0.3m, 249nT



Sidescan sonar image of debris 70821 2m x 1.1m x 0.5m, 595nT



Sidescan sonar image of seafloor disturbance 70832 8.7m x 7.8m x 0.7m 456nT

Date:	16/06/14	Revision Number:	0
Scale:	n/a	Layout:	KL
Path:	W:\Projects\69682\DrawingOffice\Report figs\geophys\14_06_12\Fig09.cdr		

Data Examples – Export Cable Route

Figure 9

wessex archaeology

salisbury rochester sheffield edinburgh

Wessex Archaeology Ltd registered office Portway House, Old Sarum Park, Salisbury, Wiltshire SP4 6EB
Tel: 01722 326867 Fax: 01722 337562 info@wessexarch.co.uk www.wessexarch.co.uk