



- 5 605 000 N —

CLIENT REFERENCE

REPORT REFERENCE 11521.2 DRAWING NUMBER 11521.2.12

LEGEND

PROPOSED RAMPION 2 OWF AREA A (ZONE 6 AREA)

PROPOSED RAMPION 2 OWF AREA B (EXTENSION AREA)





		SEABED					
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GE		FERENCE SYSTEM					
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CLIENT REFERENCE

REPORT REFERENCE 11521.2 DRAWING NUMBER 11521.2.13







CLIENT REFERENCE

REPORT REFERENCE 11521.2 DRAWING NUMBER 11521.2.14



Survey Report for RWE Renewables UK Ltd

Project: Rampion 2 OWF Development

Description: Area B Geophysical Survey

> Survey Date: March to Oct 2020

> > Project Number: 11521.3

Report Status: Draft





REPORT AUTHORISATION AND DISTRIBUTION

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		Appro	oved		D I Gordon	
Revision	Date		Title		Description	
0	16-Dec-2020	0	Draft		Draft Report PDF only	

Distribution

1 copy

RWE Renewables UK Ltd Greenwood House Westwood Way Westwood Business Park Coventry CV4 8TT

For attention of Naren Mistry



EXECUTIVE SUMMARY

Gardline Limited was contracted by RWE Renewables UK Ltd to acquire shallow geophysical and UHRS data across areas being considered for development at the Rampion 2 Offshore Windfarm and associated export cable route corridor.

The offshore portion of the survey was undertaken predominantly by M.V. Vigilant, mobilising in Hull on 30-Jun-2020 and demobilising in Hull on 19-Aug-2020 after completion of the shallow geophysical data acquisition. The M.V. Ocean Observer carried out the UHRS portion of the survey including acquiring SBP and magnetometer data infilling the planned gaps in the geophysical survey including all crosslines. It mobilised in Lowestoft on 21-Sept-2020 and demobilised in Great Yarmouth on 13-Oct-2020. The M.V. Titan Discovery and Titan owned Unmanned Aerial Vehicle carried out the nearshore acquisition, mobilising on 01-Jul-2020 and demobilising 12-Aug-2020.

Within the survey area, the water depth ranges from 13.5m LAT to 65.0m LAT. Seabed gradients across the survey area are generally <1°. Localised gradients reach up to 20° within a depression interpreted as a dredging extraction area. The seabed undulates across much of the survey area, influenced by the underlying geology.

Seabed sediments are expected to comprise predominately sandy gravel with patches of gravelly sand. Over 15,000 boulders have been identified along with 12 debris items and 360 fishing pots. Linear debris is observed sporadically across the site along with a significant amount of fishing gear. A total of 14 wrecks have been identified along with 132 magnetometer contacts and 6 clusters of spudcan depressions.

Quaternary deposits are interpreted as comprising predominantly gravel and sand. The Quaternary deposits overlie the palaeochannels. The. Bedrock is interpreted to comprise Tertiary Claystones to Cretaceous Chalk strata. These subcrop the majority of the survey area, occasionally outcropping. Within Rampion 2 Area B there are four main channels with smaller tributary channels.

Report volumes are as follows:

Report	Report No.
Operations Report	11521.1
Rampion 2 OWF Area A Survey Report	11521.2
Rampion 2 OWF Area B Survey Report	11521.3
Rampion 2 OWF Area C Survey Report	11521.4

This report is the Rampion 2 OWF Area B survey report.



USE OF THIS REPORT

This report has been prepared with due care and diligence and with the skill reasonably expected of a reputable contractor experienced in the types of work carried out under the contract and as such the findings in this report are based on an interpretation of data which is a matter of opinion on which professionals may differ and unless clearly stated is not a recommendation of any course of action.

Gardline Limited has prepared this report for the client(s) identified on the front cover in fulfilment of its contractual obligations under the contract and the only liabilities Gardline Limited accept are those contained therein.

Please be aware that further distribution of this report, in whole or part, or the use of the data for a purpose not expressly stated within the contractual work scope is at the client's sole risk and Gardline Limited recommends that this disclaimer be included in any such distribution.



LOCATION MAP RAMPION 2 OFFSHORE WINDFARM DEVELOPMENT



PROPOSED RAMPION 2 OWF AREA A (ZONE 6 AREA)



PROPOSED RAMPION 2 OWF AREA B (EXTENSION AREA)

PROPOSED RAMPION 2 OWF AREA C (EXPORT CABLE AREA)

PROPOSED RAMPION 2 OWF AREA D (EXPORT CABLE LINK AREA)

•

EXISTING RAMPION WIND TURBINE GENERATOR LAYOUT (SOURCE: CLIENT PROVIDED)

EXISTING RAMPION WIND FARM CABLE (SOURCE: CLIENT PROVIDED)

EXISTING RAMPION SURVEY AREA (SOURCE: CLIENT PROVIDED)



TABLE OF CONTENTS

REPO	ORT AUTH	ORISATION AND DISTRIBUTION	II
EXEC	CUTIVE SI	JMMARY	III
USE	OF THIS F	REPORT	IV
LOCA	TION MA	P	V
TABL	E OF CO	NTENTS	VI
LIST	OF CHAR	TS	VII
LIST	OF FIGUF	RES	VII
LIST	OF TABLE	ES	VIII
GLOS	SSARY OF	FABBREVIATIONS	IX
1.	PRO	JECT SUMMARY	1
	1.1	Scope of Work	1
	1.2	Equipment Summary	3
2.	ACCL	JRACY AND TERMS FOR SEISMIC INTERPRETATION	4
	2.1	Resolution and Limitations for Site Survey Data	4
	2.2	Criteria for Horizon Picking	5
3.	GEO	PHYSICAL SURVEY RESULTS	6
	3.1	Bathymetry	6
	3.2	Seabed Features	10
	3.3	Sub-Surface Geology	30
4.	BACK	(GROUND INFORMATION	41

APPENDICES

APPENDIX A. GEODETIC REFERENCE SYSTEM ENCLOSURES CHARTS 11521.3.01 –11521.3.14



LIST OF CHARTS

Charts are enclosed at a scale of 1:25,000:

	Title	Drawing No.
Chart 1	Reference Point Track	11521.3.01
Chart 2	Side Scan Sonar Track	11521.3.02
Chart 3	Sub-Bottom Profiler Track	11521.3.03
Chart 4	Ultra High Resolution Seismic Profiler Track	11521.3.03
Chart 5	Bathymetry	11521.3.05
Chart 6	Seabed Shaded Relief	11521.3.06
Chart 7	Seabed Gradients	11521.3.07
Chart 8	Seabed Features	11521.3.08
Chart 9	Side Scan Sonar Mosaic	11521.3.09
Chart 10	Magnetometer Residual Grid	11521.3.10
Chart 11	Shallow Soils H05	11521.3.11
Chart 12	Shallow Soils H10	11521.3.12
Chart 13	Geology Profile – UHRS Lines 2 & 10	11521.3.13
Chart 14	Geology Profile – UHRS Lines 17 & 39	11521.3.14

LIST OF FIGURES

Figure 2.1	Depth TPU Histogram showing the spread of TVU values	4
Figure 3.1	Bathymetry overview	7
Figure 3.2	Seabed shaded relief overview	8
Figure 3.3	Seabed gradient overview	9
Figure 3.4	Seabed sediments overview	12
Figure 3.5	Side scan sonar mosaic overview	13
Figure 3.6	Side scan sonar line 16.001H, Illustrating undulating seabed	14
Figure 3.7	Side scan sonar line 23H, Illustrating boulder field area	15
Figure 3.8	Side scan sonar line 5H, Illustrating boulder field area	16
Figure 3.9	Side scan sonar line 6AH, Illustrating linear debris	17
Figure 3.10	Side scan sonar line 5H, Illustrating fishing gear debris	18
Figure 3.11	Side scan sonar line 28AH, Illustrating fishing gear debris	19
Figure 3.12	Side scan sonar line 33.001H, Illustrating fishing gear debris	20
Figure 3.13	Side scan sonar line 29H, Illustrating Wreck 3	21
Figure 3.14	Side scan sonar line 59H, Illustrating Wreck 11	22
Figure 3.15	Side scan sonar line 36.001H, Illustrating Wreck 6	23
Figure 3.16	Paleochannels identified on magnetometer data	24
Figure 3.17	MBES/Side scan sonar illustrating heavily scarred dredging extraction area	25
Figure 3.18	MBES/Side scan sonar illustrating lightly scarred dredging extraction area	26
Figure 3.19	Side scan sonar line 93H, Illustrating spudcan depressions	27
Figure 3.20	MBES/Side scan sonar Illustrating Wreck 5	28
Figure 3.21	MBES/Side scan sonar Illustrating Wreck 14	29
Figure 3.22	Soils overview for H05 and H07	33
Figure 3.23	Soils overview for H10	34
Figure 3.24	Pinger line M48 Illustrating sandwaves and megaripples associated with H05	35
Figure 3.25	Pinger line M6 Illustrating H07 overlying palaeochannels and bedrock	36
Figure 3.26	Pinger line M24 Illustrating palaeochannels within the bedrock stratum	37
Figure 3.27	Pinger line M47 Illustrating blanking within the palaeochannels	38
Figure 3.28	UHRS line M11 Illustrating bedrock strata at seabed	39
Figure 3.29	Bedrock strata overview	40



LIST OF TABLES

Table 1.1	Survey Equipment – M.V. Vigilant	3
Table 1.2	Survey Equipment – M.V. Ocean Observer	3
Table 3.1	Table of Wrecks Interpreted in Area B	11
Table 3.2	Summary of Interpreted Horizons within Area B	30
Table 3.3	Summary of Bedrock Strata	32



GLOSSARY OF ABBREVIATIONS

AVO	Amplitude Versus Offset	PC	Piston Core
BASE	Bathymetry Associated with Statistical Error	PDOP	Positional Dilution of Precision
BGS	British Geological Survey	ppm	Parts Per Million
BS	British Standards	QC	Quality Control
BSB	Below Seabed	QPRO	Quality Procedure
cm	Centimetre(s)	r	Rotation
CMP	Common Mid Point	RMS	Root Mean Square
CoG	Centre of Gravity	RPL	Route Positioning List
CPT(U)	Cone Penetrometer Testing (Unit)	Rx	Receive
cu. in.	Cubic Inch(es)	S	Second(s)
d	Delta	SBES	Single Beam Echo Sounder
dB	Decibel(s)	sd	Standard Deviation
deg	Degree(s)	SEGY	Society of Exploration Geophysicists storage format
(D)GNSS	(Differential) Global Navigation Satellite System	SNR	Signal to Noise Ratio
EBS	Environmental Baseline Survey	SP	Shot Point
EC	European Commission	SRME	Surface Related Multiple Elimination
FONOS	European Geostationary Navigation Overlay	SV	Sound Velocity
EGNUS	Service	SWNA	Surface Wave Noise Attenuation
EPSG	European Petroleum Survey Group	ТWT	Two Way Time
f	Focal Length	Tx	Transmit
ft	Foot/Feet	UHRS	Ultra High Resolution Seismic
h	Hours (times expressed bh:mmb e.g. 12:45b)	UKCS	United Kingdom Continental Shelf
н	Height	USBL	Ultra Short Base Line
HDOP	Horizontal Dilution of Precision	(U)TM	(Universal) Transverse Mercator
ISO	International Organisation for Standardisation	VC	Vibrocore
		(V)GPS	(Vovager) Global Positioning System
(k)Hz	(Kilo)Hertz	VORF	Vertical Offshore Reference Frames
ka	Kilogram(s)	WGS84	World Geodetic System 1984
km	Kilometre(s)		
kN	Kilonewton(c)		
kPa	Kilonascal(s)		
	Kilowatt(s)		
KVV I	Niowall(S)		
LAI	Lowest Astronomical fide		
111 N4	Megeniyele		
	Multi Deem Febe Sounder		
	Methone Derived Authigenia Carbonates		
	Meen High Water Interval		
	Milling stra (c)		
	Maganagasia		
MPa	Metian Deference Unit		
MRU			
m/s	Matree per Second		
III/S	Mean See Level		
	Near Spring Range		
	wean oping range		
	North Fast South West		
IN,⊏,⊃,VV	NoraTaala		
111 oot			
UGP	International Association of Oil and Gas Producers		
USPAR	Usio and Paris Commissions		



1. **PROJECT SUMMARY**

1.1 Scope of Work

Gardline Limited carried out a shallow geophysical and UHRS survey for RWE Renewables UK Ltd off the coast of Brighton, Sussex. The objective was to investigate three areas being considered for development using multi-beam echo sounder, side scan sonar, magnetometer, sub-bottom profiler and UHRS equipment.

The three extension areas were designated:

- Area A: "Zone 6 Area" to the south-east of the existing Rampion offshore wind farm. Part of this area was previously surveyed during the original development and there was no requirement for re-surveying at this stage of the development.
- Area B: "Extension Area" to the west of the existing Rampion offshore windfarm.
- Area C: "Export Cable Area" to the north of Area B, with landfall between Littlehampton and Bognor Regis. No UHRS acquisition was required for Area C.

The purpose of the survey was to:

- To provide accurate bathymetry of the site regions and cable routes region
- To identity natural seabed features and any obstructions, man-made objects, debris, or wrecks
- To produce isopach charts to show sediment thickness of the upper, loose, and any mobile material, and of any other significant reflector levels which might impact on the engineering design to 50m below seabed for Areas A and B, and to 10m below seabed for Area C
- To locate any structural complexities or geohazards within the shallow geological succession such as faulting, accumulations of shallow gas, buried channels etc to 50m below seabed for Areas A and B, and to 10m below seabed for Area C
- Locate and identify sites of near surface soft material pertinent to jack-up operations
- To provide detailed geological interpretation to show strata variations and structural feature changes via appropriate maps and sections
- To provide interpretation to assist design of the offshore foundations / structures and cable routing and burial
- To identity items through correlation of magnetic anomalies and sonar contacts that may require further physical survey, for example UXO and wrecks

The offshore work scope was carried out by the Gardline vessels M.V. Vigilant, with additional work undertaken by M.V. Ocean Observer. The M.V. Vigilant acquired full coverage with MBES and SSS of Areas A, B and the offshore part of Area C. In addition, it acquired SBP and magnetometer data on all of the offshore part of Area C with a line spacing of 60m, and 4 out of every 5 main lines in Areas A and B, with a line spacing of 77m.

The M.V. Ocean Observer acquired UHRS, SBP and magnetometer data on Areas A and B at a line spacing of 385m, and on each of the cross lines in Areas A and B at a line spacing of 1336m. Both the main and cross lines are orientated and positioned so as to acquire UHRS data through the proposed locations of the turbines in Areas A and B.

The nearshore work scope was covered by the M.V. Titan Discovery and a Titan owned Unmanned Aerial Vehicle (UAV). Details of operational activities is included in the Operations Report, 11521.1.



All coordinates quoted in the report are with respect to **World Geodetic System 1984 (WGS84), UTM Grid Zone 30N (3° West)**. All water depths are reduced to **Lowest Astronomical Tide (LAT).** Full details of the geodetics used during the project are contained in Appendix A.

The grid of survey lines as acquired for Rampion 2 Area B is presented on Charts 1, Chart 2 and Chart 3.

This report is the Rampion 2 Area B Survey Report.



1.2 Equipment Summary

Table 1.1Survey Equipment – M.V. Vigilant

System	Make/Model
Positioning system	Oceaneering C-Nav DGNSS
	Sonardyne Ranger USBL
Navigation System	Voyager5
Echo Sounder (MBES system)	Simrad EM2040D
Echo Sounder (SBES system)	Simrad EA400
Side Scan Sonar	EdgeTech 4200FS
Magnetometer	Geometrics G882
Sub-Bottom Profiler	GeoAcoustics Pinger

Table 1.2Survey Equipment – M.V. Ocean Observer

System	Make/Model
Positioning Systems	Fugro Starfix XP2 DGNSS
	Sonardyne Ranger 2 USBL
Navigation System	Voyager5
Echo Sounder (MBES system)	Simrad EM710
Echo Sounder (SBES system)	Kongsberg EA400
Magnetometer	Geometrics G882
Sub-Bottom Profiler	GeoAcoustics Pinger
UHRS	Teledyne 24 Channel Streamer Applied Acoustics Dura Spark



2. ACCURACY AND TERMS FOR SEISMIC INTERPRETATION

2.1 Resolution and Limitations for Site Survey Data

2.1.1 Bathymetry

Several factors influence the accuracy of the bathymetric data:

- · Variations in sound velocity
- Instrument accuracy (typically 0.2-0.5% of depth depending on beam angle)
- Weather effects/vessel movement
- Morphology of seabed

The uncertainty requirement of the survey is to achieve International Hydrographic Organisation's (IHO) Order 1. In the guidelines produced by the IHO, a formula is outlined to derive an accuracy level depending on the depth of water the survey is being carried out in. This Total Vertical Uncertainty (TVU) value is used to ensure the data collected meets the standard required to meet Order 1a. Using water depths of 13m and 65m as the rough range within which Gardline acquired data, the MBES TVU must be better than +/- 0.528m and +/- 0.982m, respectively.

The data were analysed using the Total Propagated Uncertainty (TPU) engine in CARIS. A depth TPU surface created within CARIS to identify the TVU range. The figure below shows that the TVU values meet the minimum level required to me the IHO Order1.



Figure 2.1 Depth TPU Histogram showing the spread of TVU values

In addition to the standard processing flow of the data, post processing was carried out on the raw GNSS records to produce a more accurate tidal profile to be applied to the data.

Multi-beam echo sounder data have been processed with a 1m bin size. As such, localised gradients of features with a smaller lateral extent will be underestimated.

2.1.2 Seabed Features

Side scan sonar data were collected for the purpose of mapping and imaging features and hazards on the seabed. Collected data from the Vigilant have frequencies of 122kHz and 410kHz and a range of 100m per channel.

From corrections made to the sonar mosaic, and comparing the sonar data with the bathymetry data, USBL positioning accuracy is expected to be in the order of $\pm 2m$, and horizontal resolution is expected to be approximately 0.5m. Vertical protrusions above the seabed over 0.1m should be detectable (and flat-lying objects above 0.1m diameter) measurable to the nearest 0.1m, depending on the range.



2.1.3 Magnetic Survey

Magnetometer data were inspected for potential anomalies with the results being presented on the enclosed Seabed Features Chart.

Records were of average quality with background noise apparent due to the relative close proximity of the magnetometer to the survey vessel due to the shallow water depths on site, as well as induced noise from the underlying geology.

Positioning of ferrous bodies from magnetic anomalies is problematical. Errors are introduced from uncertainties on raw navigation data and on offset errors, as well as from the inherent ambiguity of determining body shape from magnetic anomalies. Where possible magnetic anomalies are cross referenced against other datasets (e.g. bathymetry, side scan sonar, sub-bottom profiler, database records etc), in order to assign a likely centre of the magnetic deviation. Where this is not possible the positioning accuracy will be largely dependent on the acquired line spacing.

2.1.4 Sub-Seabed Data

Pinger and UHRS data were of good quality and exhibit an average penetration of 15m and 60m respectively. Dependant on the local geological conditions. An assumed seismic velocity of 1650m/s was used for time/depth conversion in the shallow sediments. Maximum vertical resolution may be determined theoretically by one quarter of the wavelength, which would give a maximum vertical resolution of the Pinger and UHRS data is approximately 0.1m and 0.6m respectively, assuming a dominant frequency of approximately 3500Hz and 750Hz. Theoretical minimum detectable layer, estimated at 1/30th the dominant wavelength, is calculated to be approximately 0.016m and 0.073m respectively at seabed.

2.2 Criteria for Horizon Picking

Interpretation of the sub-seabed data has been aided using BGS records and previous reports which are detailed in Section 4.

Horizons were picked where they separated distinct seismo-stratigraphic units. Generally, they were picked on the peak, but where the horizons represented a velocity inversion, they were picked on the trough.



3. GEOPHYSICAL SURVEY RESULTS

3.1 Bathymetry

Area B bathymetry is presented on Chart 4 as a colour shaded relief image with contours at 1m intervals. An overview of the bathymetry is illustrated on Figure 3.1.

A shaded relief image of the bathymetry is presented on Chart 5. An overview of the shaded relief is illustrated on Figure 3.2.

Seabed Gradient is presented on Chart 6. An overview is illustrated on Figure 3.3.

Within the survey area, the shallowest depth is 13.5m LAT on a rocky outcrop to the northwest of the survey area. Water depths reach 65.0m LAT within a broad depression to the southeast of the survey area. Seabed gradients across the survey area are generally $<1^{\circ}$, dipping towards the south.

The seabed undulates across much of the survey area, influenced by the underlying geology. Occasional rocky outcrops are observed to the east of Area B, with seabed gradients reaching 5° locally.

Some significant seabed depressions are present in the north of Area B. with the largest measuring approximately 345m across and 12.5m deep, with gradients reaching 20° on its flanks. These depressions have been interpreted as possible dredging extraction areas.

The difference between LAT and MSL within the survey area is approximately 3.3m.





SEABED SHADED RELIEF OVERVIEW FOR RAMPION 2 OWF AREAS B & D PROPOSED RAMPION 2 OWF AREA A (ZONE 6 AREA) PROPOSED RAMPION 2 OWF AREA B (EXTENSION AREA) PROPOSED RAMPION 2 OWF AREA C (EXPORT CABLE AREA) PROPOSED RAMPION 2 OWF AREA D (EXPORT CABLE LINK AREA) PROPOSED RAMPION 2 WIND TURBINE GENERATOR LAYOUT ٠ (SOURCE: CLIENT PROVIDED) EXISTING RAMPION WIND TURBINE GENERATOR LAYOUT (SOURCE: CLIENT PROVIDED) EXISTING RAMPION WIND FARM CABLE (SOURCE: CLIENT PROVIDED) EXISTING RAMPION SURVEY AREA (SOURCE: CLIENT PROVIDED) 5 -10 -DEPTH IN METRES BELOW LAT 20 -30 -40 -50 -60 -65 -

Scale 1 : 100 000 WGS84/UTM Zone 30N (3°W)

Figure 3.2



SEABED GRADIENT OVERVIEW FOR RAMPION 2 OWF AREAS B & D PROPOSED RAMPION 2 OWF AREA A (ZONE 6 AREA) PROPOSED RAMPION 2 OWF AREA B (EXTENSION AREA) PROPOSED RAMPION 2 OWF AREA C (EXPORT CABLE AREA) PROPOSED RAMPION 2 OWF AREA D (EXPORT CABLE LINK AREA) PROPOSED RAMPION 2 WIND TURBINE GENERATOR LAYOUT ٠ (SOURCE: CLIENT PROVIDED) EXISTING RAMPION WIND TURBINE GENERATOR LAYOUT (SOURCE: CLIENT PROVIDED) EXISTING RAMPION WIND FARM CABLE (SOURCE: CLIENT PROVIDED) EXISTING RAMPION SURVEY AREA (SOURCE: CLIENT PROVIDED) >10 - 7.5 GRADIENT IN DEGREES

5.0

2.5

0.0

Scale 1 : 100 000 WGS84/UTM Zone 30N (3°W)

Figure 3.3



3.2 Seabed Features

Seabed features are presented on Chart 7, with an overview illustrated as Figure 3.4. A side scan sonar mosaic is presented on Chart 8, with an overview illustrated as Figure 3.5.

Seabed sediments are expected to comprise predominately sandy gravel with patches of gravelly sand, and occasional outcrops of rock located in the southeast of the survey area.

The seabed undulates across much of the site, influenced by the underlying geology, where the dipping strata in the bedrock frequently approach seabed. A side scan sonar data example of the undulating seabed is illustrated on Figure 3.6.

Over 15,000 point contacts exceeding 0.5m in any dimension are interpreted across Area B, all of which are interpreted as boulders. The largest measures 2.5 in height, and is located in the centre of the survey area. 12 contacts are interpreted as debris with largest measuring 2.7m in height, located to the east of the survey area. 360 contacts are interpreted as fishing pots across the survey area.

Areas of numerous boulders cover much of the survey area with the majority being associated with rock outcrops or reworked sandy gravel. These are illustrated in Figure 3.7, and Figure 3.8. Boulders found within interpreted boulder fields have not been individually picked.

Linear debris is observed sporadically across the survey area. Nine items of linear debris are interpreted within the survey area limits. The longest item of linear debris is 194m in length, located in the north of the survey area, illustrated in Figure 3.9. 26 linear contacts are interpreted as fishing gear; an example of these can be seen in Figure 3.10, Figure 3.11 and Figure 3.12. The largest item of potential fishing gear is 641m in length, located in the west of the survey area.

No infrastructure is observed across the survey area.

A total of 14 wrecks occur across Area B, 12 of which are known wrecks on admiralty charts. The largest wreck, illustrated on Figure 3.13, has a length of 145m, width of 38m and a height of 5.9m. Figure 3.14 and Figure 3.15 illustrate 2 other wrecks seen within the survey area. A list of wrecks within Area B is included in Table 3.1.

A total of 132 magnetometer contacts have been interpreted across the survey area, and are presented on Chart 7. 26 of which have been associated with observed wrecks. 7 magnetometer contacts are associated with items of debris. The remaining magnetometer targets are interpreted to be buried or - due to the relative distance to underlying geology - associated with geological features. Illustrated on Figure 3.16.

Several areas of the seabed appear as large depressions and the seabed appears to be scarred. This is often indicative of a dredging extraction zone, illustrated on Figure 3.17 and Figure 3.18. there are two types of dredging areas observed, heavily scarred, and lightly scarred. The extents of these areas have been delineated on Chart 7 as possible dredging extraction areas. The largest extraction area measures 3400m in length and 1100m in width, located to the east of the survey area.

Spudcan depressions associated with the existing Rampion Windfarm are observed on the eastern edge of the survey area, in six distinctive clusters. With a maximum depths of 1.2m, and gradients up to 6° measured on the flanks all spudcan depressions are observed on bathymetry and side scan sonar data. Illustrated on Figure 3.19.



Table 3.1	Table of	Wrecks	Interpreted	in Area	B
		VICCIUS	interpreteu	III AICa	

			ou b		
Name	Easting	Northing	Length (m)	Width (m)	Height (m)
Wreck 1	674 009	5 613 969	11.8	4.2	1.2
Wreck 2	675 624	5 613 488	59.6	16.0	3.5
Wreck 3	669 041	5 610 661	144.5	38.1	5.9
Wreck 4	671 876	5 611 021	86.8	63.8	2.0
Wreck 5	680 144	5 613 201	83.4	27.4	4.4
Wreck 6	682 798	5 613 927	101.1	23.1	3.5
Wreck 7	683 277	5 614 681	12.1	5.1	3.1
Wreck 8	686 573	5 615 393	22.5	5.4	1.4
Wreck 9	665 778	5 608 506	98.2	33.8	3.7
Wreck 10A	680 908	5 611 556	13.1	7.3	1.9
Wreck 10B	680 938	5 611 543	35.3	17.5	2.9
Wreck 11	681 134	5 611 260	123.2	41.6	5.3
Wreck 12	669 194	5 607 240	88.1	23.2	2.6
Wreck 13	666 950	5 606 348	72.3	20.5	2.9
Wreck 14	684 144	5 616 072	78.5	35.2	3.1

MBES and side scan sonar montages of Wreck 5 and Wreck 14 are illustrated on Figure 3.20 and Figure 3.21, respectively.



_	SEABED SEDIMENTS OVERVIEW FOR RAMPION 2 OWF AREAS B & D			
'00" N —		PROPOSED RAMPION 2 OWF A	AREA A	
		PROPOSED RAMPION 2 OWF / (EXTENSION AREA)	AREA B	
		PROPOSED RAMPION 2 OWF A	AREA C	
0 N —		PROPOSED RAMPION 2 OWF / (EXPORT CABLE LINK AREA)	AREA D	
Z	•	PROPOSED RAMPION 2 WIND TURBINE GENERATOR L (SOURCE: CLIENT PROVIDED)	AYOUT	
5	•	EXISTING RAMPION WIND TURBINE GENERATOR L (SOURCE: CLIENT PROVIDED)	AYOUT	
00"N —		EXISTING RAMPION WIND FAR (SOURCE: CLIENT PROVIDED)	RM CABLE	
) 0 N =		EXISTING RAMPION SURVEY A (SOURCE: CLIENT PROVIDED)	AREA	
		SAND (NO BEDFORMS)		
¢		SAND (MEGARIPPLED)		
		SLIGHTLY GRAVELLY SAND (N	O BEDFORMS)	
1		SLIGHTLY GRAVELLY SAND (M	IEGARIPPLED)	
/		SLIGHTLY GRAVELLY SAND (S	ANDWAVES)	
•		SANDY GRAVEL (NO BEDFORM	MS)	
ON ?		SANDY GRAVEL (MEGARIPPLE	ED)	
		SANDY GRAVEL (OUTCROP)		
CORA /		ROCK (OUTCROP)		
VE		LIMIT OF SIDE SCAN SONAR C	OVERAGE	
0 N —				
'00" N —				
	Scale 1 : 1	100 000 TM Zopo 30N (3°\\/)	Figure 3.4	



-	SIDE FC	E SCAN SONAR MOSAIC OVERVIEW DR RAMPION 2 OWF AREAS B & D
		PROPOSED RAMPION 2 OWF AREA A (ZONE 6 AREA)
-		PROPOSED RAMPION 2 OWF AREA B (EXTENSION AREA)
-		PROPOSED RAMPION 2 OWF AREA C (EXPORT CABLE AREA)
		PROPOSED RAMPION 2 OWF AREA D (EXPORT CABLE LINK AREA)
	•	PROPOSED RAMPION 2 WIND TURBINE GENERATOR LAYOUT (SOURCE: CLIENT PROVIDED)
6	•	EXISTING RAMPION WIND TURBINE GENERATOR LAYOUT (SOURCE: CLIENT PROVIDED)
ר 		EXISTING RAMPION WIND FARM CABLE (SOURCE: CLIENT PROVIDED)
6 -		EXISTING RAMPION SURVEY AREA (SOURCE: CLIENT PROVIDED)
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Weth		
-		

Scale 1 : 100 000 WGS84/UTM Zone 30N (3°W)

Figure 3.5







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