

Vendor Coversheet

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Fugro – AyM Notice to Mariners

Awel y Môr Offshore Wind Farm

Fugro – AyM Notice to Mariners (03) | 9 July 2020

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Awel y Môr Offshore Wind Farm Limited

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Client Information

Client	Awel y Môr Offshore Wind Farm Limited
Client Address	Trigonos, Windmill Hill Business Park, Swindon, SN5 6PB
Client Contact	Mark Osola
Client Document No.	003626436-03

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Issue	Date	Status	Comments on Content	Prepared By	Checked By	Approved By
01	8 June 2020	For Review	Awaiting client comments	SL	GJ	AyM OWFL
02	26 June 2020	For Distribution	Valkyrie Included	SL	GJ	AyM OWFL
03	09 July 2020	For Distribution	Fugro Seeker & Mersey Guardian Included	SL	GJ	AyM OWFL

Project Team

Initials	Name	Role
SL	Sam Litchfield	Project Manager
RE	Richard Ellis	Project Director
AE	Andrew Eastmond	Package Manager (Valkyrie)
DF	Daniel Ferguson	Package Manager (Fugro Seeker)
CB	Craig Barrett	Package Manager (Mersey Guardian)
GJ	Guy Jamieson	Project Delivery Manager
BR	Ben Rainbow	Client Delivery Manager
RF	Richard Failey	QHSSE Manager
NB	Nick Buzzard	Senior QHSSE Advisor
BT	Ben Tokeley	Technical Lead (Geophysics)
JS	Jo Stirling	Reporting Coordinator

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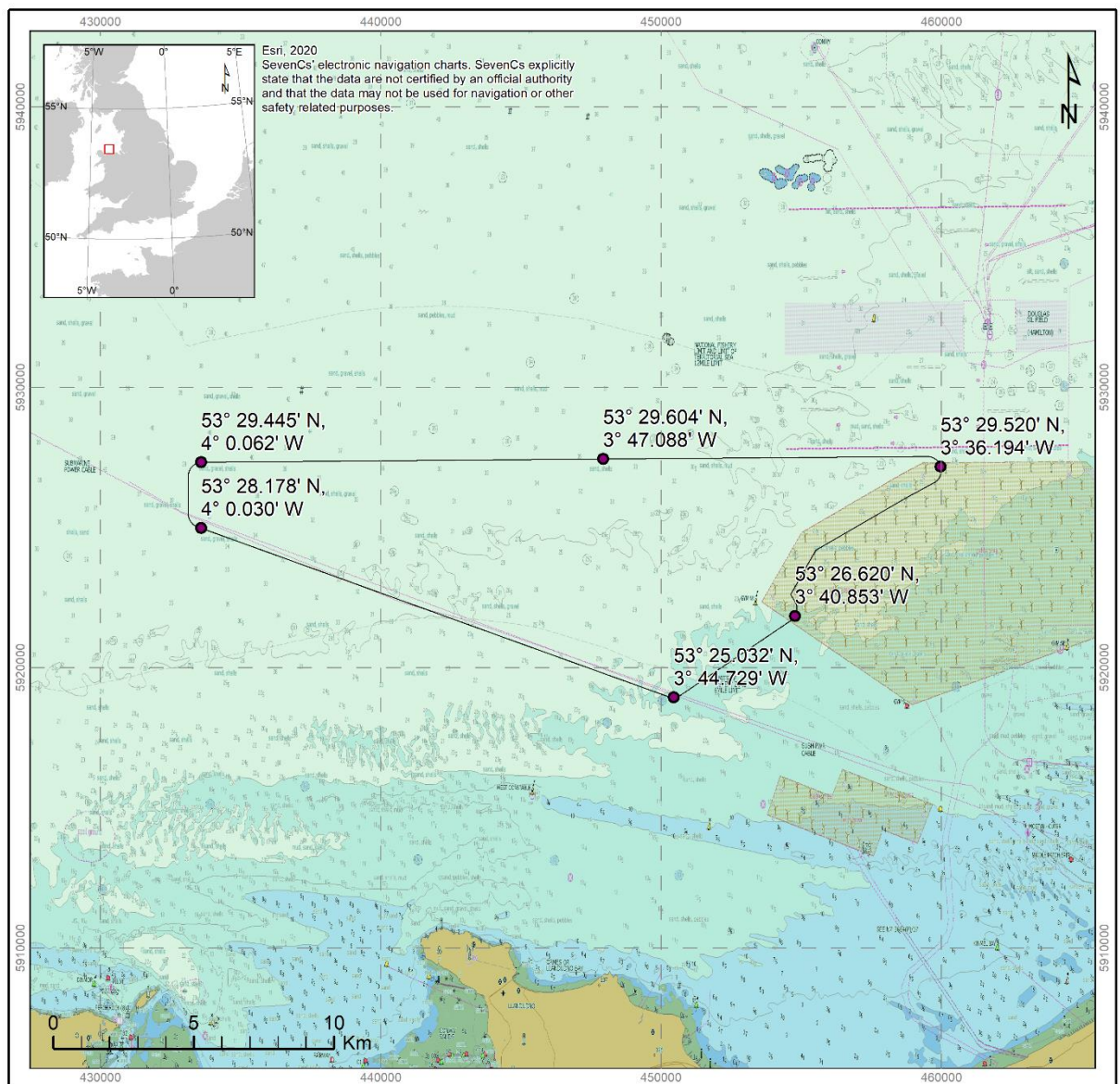
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1. Introduction

Awel y Môr Offshore Farm Limited (AyM) has contracted Fugro GB Marine Limited (Fugro) to carry out a geophysical and environmental site investigation in the Irish Sea for the proposed Awel y Môr Offshore Wind Farm (AyMOWF) site.

The Awel y Môr Offshore Wind Farm site is located in the Irish Sea located to the west of the existing Gwynt y Môr Wind Farm, off the north coast of Wales in water depths between 20 m and 40 m Lowest Astronomical Tide (LAT).



Map Document: S:\430-MGC-IT\Charting\G200655_Innogy_Aym\3_Plots\1_SurveyArray\Proposal\907367_Innogy_Aym_LinePlan_20200422.mxd)
28/05/2020 - 16:38:49

Figure 1: Project Location – Main Array

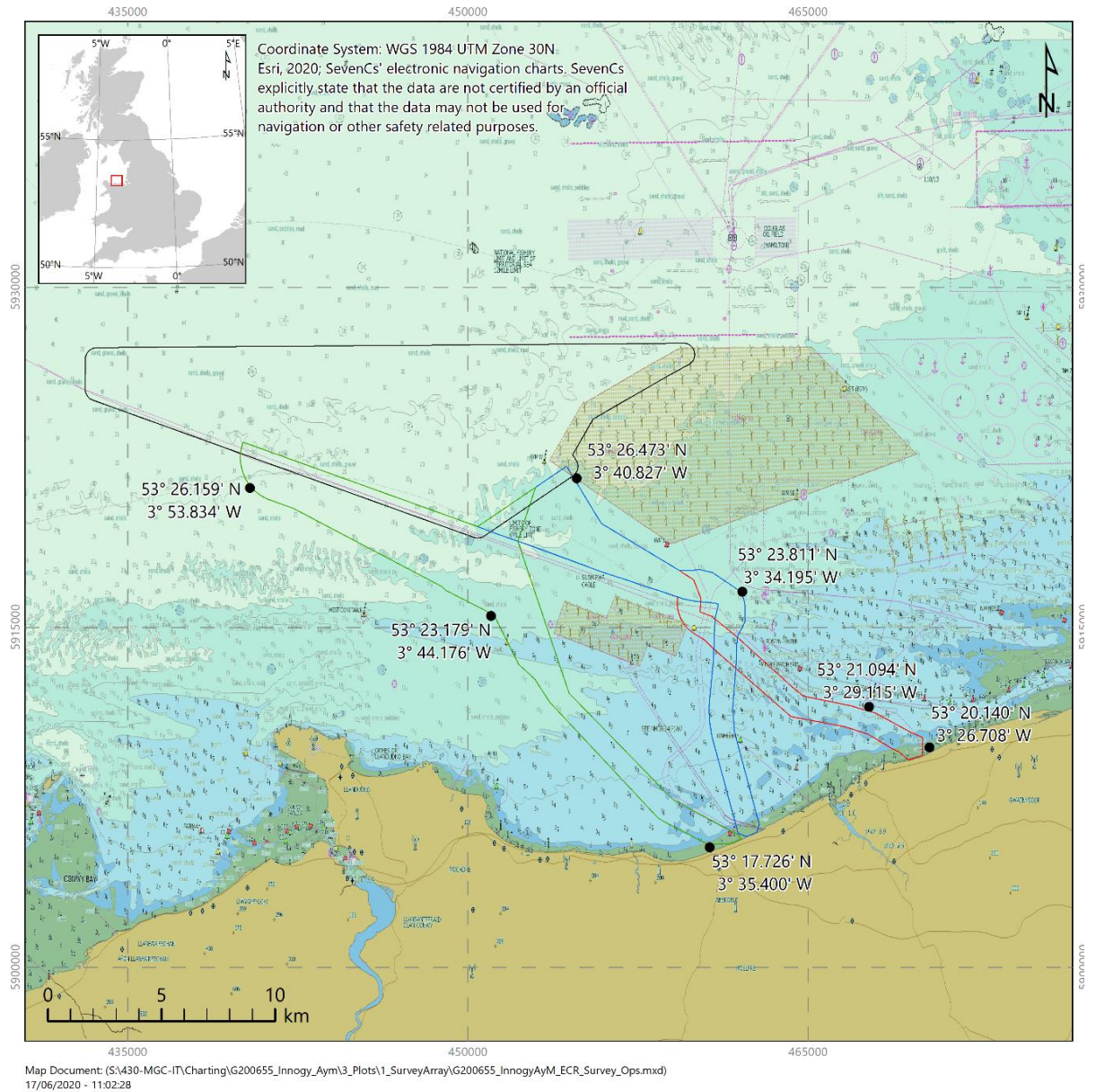


Figure 2: Project Location – Export Cable Routes

2. Area of Operations

The coordinates of the survey area, including buffers, are also provided below.

Table 1: Survey Area Buffer Zone Coordinates

Label	Lat_DDM	Long_DDM	Easting	Northing
1	53° 29.445' N	4° 0.062' W	433585.20696	5927330.83926
2	53° 28.178' N	4° 0.030' W	433587.426075	5924982.15894
3	53° 29.604' N	3° 47.088' W	447934.567082	5927445.81854
4	53° 29.520' N	3° 36.194' W	459978.902988	5927172.18113
5	53° 25.032' N	3° 44.729' W	450454.4143	5918940.4447
6	53° 26.620' N	3° 40.853' W	454775.3936	5921842.52613

Table 2: Export Cable Routes - Survey Area Buffer Zone Coordinates

Label	Lat_DDM	Long_DDM	Easting	Northing
1	53° 26.159' N	3° 53.834' W	440395.0958	5921147.058
2	53° 23.179' N	3° 44.176' W	451031.3671	5915498.192
3	53° 17.726' N	3° 35.400' W	460675.4489	5905298.484
4	53° 20.140' N	3° 26.708' W	470359.2183	5909703.806
5	53° 21.094' N	3° 29.115' W	467700.1505	5911489.747
6	53° 23.811' N	3° 34.195' W	462104.2018	5916569.757
7	53° 26.473' N	3° 40.827' W	454801.6872	5921570.392

3. Offshore Geophysical Investigation – Array Area

The geophysical operations at the AyM site are expected to be carried out from the Fugro Mercator from 15th June 2020 for approximately 5-6 weeks. Also please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Mercator will be towing survey equipment the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 1,000m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24-hour basis.

4. Offshore Environmental Investigation – Array Area

The environmental operations at the AyM site are expected to be carried out from the Mersey Guardian from 21st July 2020 for approximately 4-5 days. Also please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Mersey Guardian will be deploying equipment astern of the vessel, the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 1,000m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 12-hour basis.

5. Offshore Geophysical Investigation – Export Cable Route

The geophysical operations on the AyM export cable route from the 10m LAT contour offshore, are expected to be carried out from the Fugro Mercator from approximately 20th July 2020 for approximately 3-4 weeks. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Mercator will be towing survey equipment the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 1,000m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24-hour basis.

6. Nearshore Geophysical Investigation – Export Cable Route

The geophysical operations on the AyM export cable route from the 10m LAT contour inshore to the potential landfall, are expected to be carried out from the survey vessel Valkyrie from 15th July 2020 for approximately 10 weeks and the Fugro Seeker from 20th July for approximately 3-4 weeks. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Valkyrie and Fugro Seeker will be towing survey equipment the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 500m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 12-hour basis.

7. Environmental Investigation – Export Cable Route

The environmental operations at the AyM site are expected to be carried out from the Mersey Guardian from 15th August 2020 for approximately 8-10 days. Also please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Mersey Guardian will be deploying equipment astern of the vessel, the vessel will require large turning circles and will be restricted in her ability to manoeuvre. All vessels operating within this area are requested to keep their distance, maintaining at least the 1,000m safety zone around the survey vessel, and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 12-hour basis.

8. Immediate Contacts

The contents of this notice are based upon our current site investigation programme and upon Fugro's planning at the time of submission. It should be noted that Fugro will endeavour to update this notice as required.

Enquiries regarding the contents of this Notice to Mariners, or any other matters, should be directed to Fugro (survey contractor):

Sam Litchfield – Project Manager & Vessel Project Manager (Fugro Mercator)

Mob: +44 (0) 7748 988 393, **Email:** s.litchfield@fugro.com

Andrew Eastmond – Vessel Project Manager (Valkyrie)

Mob: +44 (0) 7825 054 937, **Email:** a.eastmond@fugro.com

Daniel Ferguson – Vessel Project Manager (Fugro Seeker)

Mob: +44 (0) 7968 845551, **Email:** d.ferguson@fugro.com

Craig Barrett - Environmental Package Manager, Vessel Manager (Mersey Guardian)

Mob: +44 (0)7717 807308, **Email:** c.barrett@fugro.com

Simon Bicknell – Operations Manager

Mob: +44 (0) 7557 585 280, **Email:** s.bicknell@fugro.com

Guy Jamieson – Project Delivery Manager

Mob: +44 (0) 7771 908 323, **Email:** g.jamieson@fugro.com

For enquiries related to Fishing, please contact the dedicated Fisheries Liaison Officer for the Awel y Mor Offshore Wind Farm:

Jim Andrews – Fisheries Liaison Officer (FLO)

Tel: +44 (0) 7908 225865 (mob), **Email:** jim@awjmarine.co.uk


9. Survey Vessels

9.1 Fugro Mercator

The AyM Main Array and export cable route offshore operations will be conducted by the survey vessel Fugro Mercator which will be operating out of Liverpool. The vessel will maintain continuous monitoring on Channel 16 and will be displaying appropriate lights and shapes for the type of operations.

Client, contractor and fisheries liaison contact details are provided in the Notice to Mariners distribution list in Section 6.

Table 3: Fugro Mercator


	General Information	
	Name	Mercator
	Flag	Bahamas
	MMSI	311000786
	IMO	9299977
	Call Sign	C6DU5
	Class	BV + 100 A5 K MC AUT
	Dimensions	
	Length	42.35m
	Beam	10.34m
	Draught (loaded)	1.4m
	Gross Tonnage	360
	Communication	
	Master	+31 615 42 06 73
	Vessel Sat Phone	+47 2240 8646
	Email:	Mercator.bridge@fugro.com

9.2 Valkyrie

The export cable route inshore operations will be conducted by the survey vessel Valkyrie which will be operating out of Conwy. The vessel will maintain continuous monitoring on Channel 16 and will be displaying appropriate lights and shapes for the type of operations.

Client, contractor and fisheries liaison contact details are provided in the Notice to Mariners distribution list in Section 6.

Table 4: Valkyrie


	General Information	
	Name	Valkyrie
	MMSI	235069806
	Call Sign	2BWA9
	Type	Catapult 396
	Dimensions	
	Length	12.00m
	Beam	4.88m
	Draught (loaded)	1.10m
	Gross Tonnage	19
	Communication	
	Master	Nick Praed +44 7980 971245 Giles Simmons +44 7757 607 751
	Party Chief	Khash Long +44 7980 987 725 Craig Dyer +44 7411 168 716
	Email:	Master.valkyrie@fugro.com Partychief.valkyrie@fugro.com

9.3 Fugro Seeker

The export cable route inshore operations will be conducted by the survey vessel Fugro Seeker as well as Valkyrie which will be operating out of Conwy. The vessel will maintain continuous monitoring on Channel 16 and will be displaying appropriate lights and shapes for the type of operations.

Client, contractor and fisheries liaison contact details are provided in the Notice to Mariners distribution list in Section 6.

Table 5: Fugro Seeker

	General Information	
	Name	Fugro Seeker
	MMSI	235102539
	Call Sign	2HCS2
	Type	Catapult 396
	Dimensions	
	Length	12.00m
	Beam	4.90m
	Draught (loaded)	1.10m
	Gross Tonnage	19
	Communication	
	Master	Will Rand +44 7585 992 459
	Party Chief	Ali Hartley +44 7766 488 697
	Email:	Master.fugroseeker@fugro.com
		Partychief.fugroseeker@fugro.com

9.4 Mersey Guardian

The environmental campaign on the main array and export cable route will be conducted by the vessel Mersey Guardian which will be operating out of Conwy/Liverpool. The vessel will maintain continuous monitoring on Channel 16 and will be displaying appropriate lights and shapes for the type of operations.

Client, contractor and fisheries liaison contact details are provided in the Notice to Mariners distribution list in Section 6.

Table 6: Mersey Guardian

	General Information	
	Name	Mersey Guardian
	MMSI	235091051
	Call Sign	2FGL4
	Type	Catapult 396
	Dimensions	
	Length	18.3m
	Beam	6.3m
	Draught (loaded)	1.65m
	Gross Tonnage	22
	Communication	
	Master	TBC
	Party Chief	TBC

10. Distribution List

This Notice to Mariners has been distributed to the following authorities, companies and individuals:

10.1 Maritime Notification and Authorities

Table 7: Maritime and Authorities

Organisation	Address	Phone	E-mail	Role
UK Hydrographic Office	Admiralty Way Taunton Somerset TA1 2DN	+44 (0) 1823 337 900	navwarnings@ukho.gov.uk sdr@ukho.gov.uk	Radio Navigation Warnings H-Notes
Holyhead Coastguard Operations Centre	HM Coastguard Prince of Wales Road Holyhead Anglesey LL65 1ET	+44 (0) 1407 762 051	holyhead.coastguard@mcga.gov.uk	Holyhead MRCC
UK Maritime and Coastguard Agency	Spring Place 105 Commercial Road Southampton Hampshire SO15 1EG	+44 (0) 23 8032 9486	navigationsafety@mcga.gov.uk	UK Coastguard
MCA: Liverpool Marine & Fishing Survey Office	Hall Road West Crosby Liverpool Merseyside L23 8SY	+44 (0) 20390 85110	liverpoolmo@mcga.gov.uk	Liverpool marine and fishing survey office
Trinity House Lighthouse Service	Tower Hill London EC3N 4DH	+44 (0) 20 7481 6900	navigation.directorate@thls.org	England/Wales lights, marks and buoys
Marine Management Organisation (Preston)	Lutra House Dodd Way Walton Summit Preston PR5 8BX	+44 (0) 208 026 5643	preston@marinemanagement.org.uk	Preston MMO Office
Gwynt y Môr Offshore Wind Farm	Gwynt y Môr Offshore Wind Farm Ltd Port of Mostyn Coast Road Mostyn Flintshire CH8 9HE	+44 (0) 845 0705500	gym.mcc@innogy.com	Marine Coordinator
The Crown Estate	1 St James's Market London	020 7851 5000	Consents@thecrownestate.co.uk	Consents

	SW1Y 4AH			
Natural Resources Wales	Marine Licensing Officer 2 Evidence, Policy and Permitting Directorate Natural Resources Wales	0300 065 4513 (Unavailable during current circumstances)	joseph.thomas@cyfoethnaturiolcymru.gov.uk Marinelicensing@naturalresourceswales.gov.uk	Marine Licencing

10.2 Fishing Industry

Table 8: Fishing Industry

Organisation	Address	Phone	E-mail	Role
National Federation of Fisherman's Organisations	30 Monkgate York YO31 7PF	+44 (0) 1904 635 430	nffo@nffo.org.uk	Fishing Industry Representatives
Sea Fish industry Authority	Origin Way Europarc Grimsby NE Lincs	+44 (0) 1472 252 300	kingfisher@seafish.co.uk	Fishing industry Notice / Publication Kingfisher Information Service

10.3 Port Authorities

Table 9: Port Authorities

Organisation	Address	Phone	E-mail	Role
Liverpool Port (Peel Ports)	Port Of Liverpool Head Office, Maritime Centre, Liverpool L21 1LA	+44 (0) 151 949 60000	info@peelports.com	Port Authority

10.4 Client Group

Table 10: Client Group

Organisation	Address	Phone	E-mail	Role
AyM Offshore Wind Farm Limited	Awel y Môr Offshore Wind Farm Limited, Windmill Hill Business Park, Whitehill Way, Swindon, Wiltshire SN5 6PB	+44 (0) 7557 758 149	mark.osola@innogy.com	Client: Mark Osola

10.5 Contractor Group

Table 11: Contractor Group

Organisation	Address	Phone	E-mail	Role
Fugro GB Marine Limited	Victory House 16 Trafalgar Wharf	+44 (0) 7748 988 393	s.litchfield@fugro.com	Project Manager: Sam Litchfield

Organisation	Address	Phone	E-mail	Role
	Hamilton Road Portchester Hampshire PO6 4PX			