



Notice to Mariners – Offshore

Fugro Frontier; Xplorer, Haven Seariser 2, MTS Viking, CRC Vanguard, Highland Eagle, Gargano, Fugro Galaxy

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For Issue

Scottish Power Renewables



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GP	Gertjan Paff	Project Director

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1. Introduction

Scottish Power Renewables (SPR) has contracted Fugro GM Marine Limited (Fugro) to carry out a geophysical and geotechnical site investigation located east of Lowestoft, United Kingdom, in the southern North Sea and covers an area of approximately 5,900 km² for the proposed East Anglia HUB offshore windfarm site.

The East Anglia HUB offshore windfarm site is split into three zones: East Anglia ONE North (EA1N); East Anglia TWO (EA2); and East Anglia THREE (EA3). In 2021, Fugro will be initially operating in EA1N only with operations commencing on 5th February 2021, with operations in EA2 and EA3 commencing subsequently.

This Notice to Mariners will be updated and reissued periodically as additional vessels are planned to come on site. For operations in 2021, current planning indicates a total of 8 vessels being on site between the period 5th February and 18th August 2021. It should be noted these dates are subject to change and the total number of vessels could increase.

Fugro will distribute updated revisions of this notice as early possible before any additional vessels arrive on site. The details of the vessel's survey and their estimated schedule will be included in section 3. Offshore Survey Investigations. Any additional contact details will be included in section 4. Immediate Contacts. Additional vessel's details will be included in section 5. Survey Vessels.

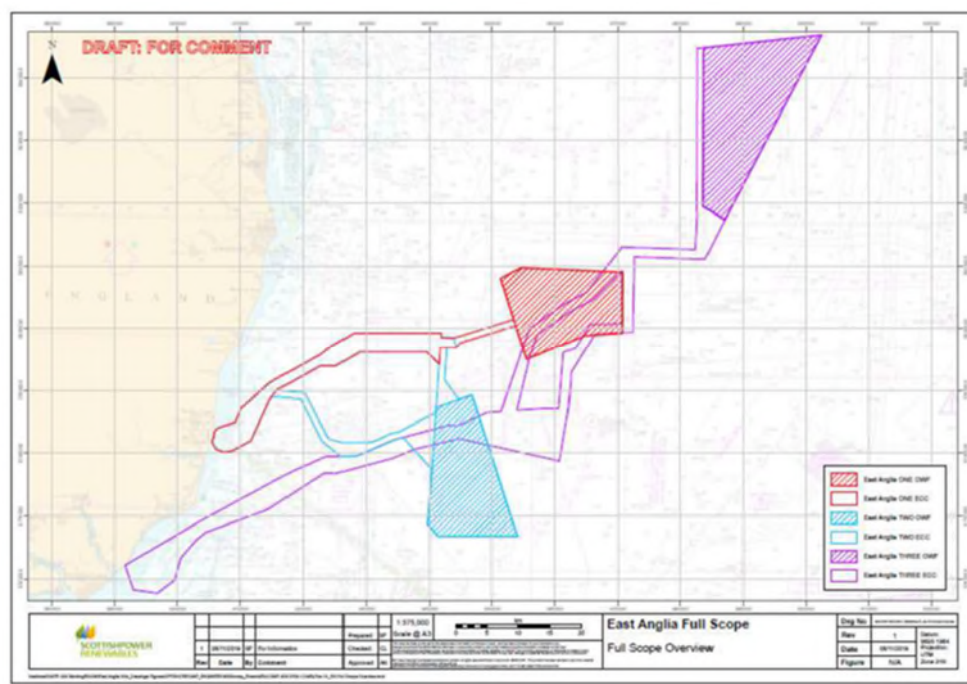


Figure 1: Project Location

2. Area of Operations

The accompanying drawings in Appendix A indicates the areas within which the survey will be carried out. The coordinates of the survey area are also provided below.

2.1 EA1N - OWF

Table 2-1: East Anglia One North Windfarm Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	470740.06	5799228.57	52.3425773	2.5704969	52° 20.554639' N	2° 34.229815' E	52° 20' 33.2783" N	2° 34' 13.7889" E
2	464729.09	5798828.35	52.3386256	2.4823083	52° 20.317535' N	2° 28.938498' E	52° 20' 19.0521" N	2° 28' 56.3099" E
3	455485.87	5794974.99	52.3033121	2.3471587	52° 18.198726' N	2° 20.829524' E	52° 18' 11.9235" N	2° 20' 49.7714" E
4	451335.97	5807927.49	52.4193992	2.2844229	52° 25.163950' N	2° 17.065377' E	52° 25' 9.8370" N	2° 17' 3.9226" E
5	454597.32	5809687.84	52.4355046	2.3321364	52° 26.130279' N	2° 19.928186' E	52° 26' 7.8167" N	2° 19' 55.6912" E
6	470803.98	5808950.90	52.4299855	2.5705879	52° 25.799131' N	2° 34.235276' E	52° 25' 47.9479" N	2° 34' 14.1166" E

2.2 EA1N - ECC

Table 2-2: East Anglia One North Export Cable Corridor Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	411742.62	5781969.62	52.1811289	1.7091532	52° 10.867734' N	1° 42.549195' E	52° 10' 52.0640" N	1° 42' 32.9517" E
2	408662.85	5780314.80	52.1657536	1.6645674	52° 9.945217' N	1° 39.874042' E	52° 9' 56.7130" N	1° 39' 52.4425" E
3	407775.62	5780204.00	52.1646101	1.6516292	52° 9.876607' N	1° 39.097754' E	52° 9' 52.5964" N	1° 39' 5.8652" E
4	407289.34	5780229.16	52.1647548	1.6445148	52° 9.885288' N	1° 38.670890' E	52° 9' 53.1173" N	1° 38' 40.2534" E
5	406125.91	5780670.87	52.1685283	1.6273879	52° 10.111697' N	1° 37.643275' E	52° 10' 6.7018" N	1° 37' 38.5965" E
6	405481.77	5781874.48	52.1792365	1.6176369	52° 10.754192' N	1° 37.058215' E	52° 10' 45.2515" N	1° 37' 3.4929" E
7	405834.55	5782754.13	52.1872032	1.6225506	52° 11.232194' N	1° 37.353036' E	52° 11' 13.9317" N	1° 37' 21.1822" E
8	405895.96	5784884.08	52.2063578	1.6228569	52° 12.381468' N	1° 37.371415' E	52° 12' 22.8881" N	1° 37' 22.2849" E
9	407658.35	5785271.22	52.2101356	1.6485348	52° 12.608133' N	1° 38.912088' E	52° 12' 36.4880" N	1° 38' 54.7253" E
10	408775.05	5784810.57	52.2061811	1.6649975	52° 12.370868' N	1° 39.899850' E	52° 12' 22.2521" N	1° 39' 53.9910" E
11	409225.04	5784921.41	52.2072517	1.6715512	52° 12.435104' N	1° 40.293070' E	52° 12' 26.1063" N	1° 40' 17.5842" E
12	410146.14	5787101.56	52.2269984	1.6844482	52° 13.619903' N	1° 41.066894' E	52° 13' 37.1942" N	1° 41' 4.0136" E
13	414761.89	5791276.90	52.2652620	1.7509560	52° 15.915718' N	1° 45.057360' E	52° 15' 54.9431" N	1° 45' 3.4416" E
14	422830.58	5795787.48	52.3069980	1.8681321	52° 18.419878' N	1° 52.087926' E	52° 18' 25.1927" N	1° 52' 5.2756" E
15	424600.25	5797189.67	52.3198478	1.8937689	52° 19.190865' N	1° 53.626137' E	52° 19' 11.4519" N	1° 53' 37.5682" E

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
16	428034.22	5799241.10	52.3387489	1.9437019	52° 20.324934' N	1° 56.622115' E	52° 20' 19.4961" N	1° 56' 37.3269" E
17	441872.22	5799240.99	52.3403890	2.1467858	52° 20.423341' N	2° 8.807148' E	52° 20' 25.4004" N	2° 8' 48.4289" E
18	441845.45	5798524.28	52.3339434	2.1465169	52° 20.036604' N	2° 8.791017' E	52° 20' 2.1962" N	2° 8' 47.4610" E
19	444052.52	5798500.07	52.3339553	2.1789084	52° 20.037318' N	2° 10.734506' E	52° 20' 2.2391" N	2° 10' 44.0704" E
20	453417.45	5801430.87	52.3611777	2.3159309	52° 21.670661' N	2° 18.955854' E	52° 21' 40.2396" N	2° 18' 57.3513" E
21	453737.82	5800430.91	52.3522154	2.3207732	52° 21.132926' N	2° 19.246391' E	52° 21' 7.9755" N	2° 19' 14.7834" E
22	444760.28	5797621.35	52.3261277	2.1894389	52° 19.567663' N	2° 11.366336' E	52° 19' 34.0598" N	2° 11' 21.9802" E
23	444288.46	5796897.39	52.3195719	2.1826363	52° 19.174315' N	2° 10.958180' E	52° 19' 10.4589" N	2° 10' 57.4908" E
24	441685.68	5796925.94	52.3195582	2.1444497	52° 19.173492' N	2° 8.666981' E	52° 19' 10.4095" N	2° 8' 40.0188" E
25	441498.51	5794215.22	52.2951703	2.1421750	52° 17.710221' N	2° 8.530502' E	52° 17' 42.6133" N	2° 8' 31.8301" E
26	439579.91	5796143.32	52.3122951	2.1136996	52° 18.737708' N	2° 6.821979' E	52° 18' 44.2625" N	2° 6' 49.3187" E
27	428889.09	5796143.23	52.3110138	1.9569023	52° 18.660826' N	1° 57.414140' E	52° 18' 39.6496" N	1° 57' 24.8484" E
28	425164.25	5793917.97	52.2905161	1.9027693	52° 17.430969' N	1° 54.166157' E	52° 17' 25.8581" N	1° 54' 9.9694" E
29	422765.32	5793917.97	52.2901842	1.8676039	52° 17.411050' N	1° 52.056231' E	52° 17' 24.6630" N	1° 52' 3.3739" E
30	415767.25	5790005.89	52.2539924	1.7660017	52° 15.239546' N	1° 45.960102' E	52° 15' 14.3727" N	1° 45' 57.6061" E
31	414765.85	5788636.61	52.2415305	1.7516806	52° 14.491832' N	1° 45.100835' E	52° 14' 29.5099" N	1° 45' 6.0501" E

2.3 EA2 - OWF

Table 2-3: East Anglia Two Windfarm Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	454030.05	5766727.44	52.0492447	2.3296379	52° 2.954683' N	2° 19.778273' E	52° 2' 57.2810" N	2° 19' 46.6964" E
2	441334.83	5766727.52	52.0480470	2.1445284	52° 2.882823' N	2° 8.671702' E	52° 2' 52.9694" N	2° 8' 40.3021" E
3	439730.16	5768605.66	52.0647590	2.1208002	52° 3.885543' N	2° 7.248012' E	52° 3' 53.1326" N	2° 7' 14.8807" E
4	441018.57	5787264.71	52.2326372	2.1363533	52° 13.958230' N	2° 8.181200' E	52° 13' 57.4938" N	2° 8' 10.8720" E
5	446756.00	5789255.34	52.2511172	2.2200421	52° 15.067033' N	2° 13.202528' E	52° 15' 4.0220" N	2° 13' 12.1517" E

2.4 EA2 – ECC

Table 2-4: East Anglia Two Export Cable Corridor Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	420394.21	5789354.30	52.2488245	1.8339240	52° 14.929469' N	1° 50.035438' E	52° 14' 55.7682" N	1° 50' 2.1263" E
2	423908.96	5782510.35	52.1878020	1.8869367	52° 11.268117' N	1° 53.216205' E	52° 11' 16.0870" N	1° 53' 12.9723" E
3	424294.40	5782200.68	52.1850713	1.8926431	52° 11.104281' N	1° 53.558584' E	52° 11' 6.2569" N	1° 53' 33.5150" E
4	426385.82	5781653.81	52.1804386	1.9233473	52° 10.826316' N	1° 55.400836' E	52° 10' 49.5790" N	1° 55' 24.0502" E
5	428041.20	5781647.12	52.1805969	1.9475552	52° 10.835817' N	1° 56.853315' E	52° 10' 50.1490" N	1° 56' 51.1989" E
6	430944.19	5781791.14	52.1822626	1.9899767	52° 10.935758' N	1° 59.398602' E	52° 10' 56.1455" N	1° 59' 23.9161" E
7	433903.98	5783092.61	52.1943246	2.0330066	52° 11.659478' N	2° 1.980395' E	52° 11' 39.5687" N	2° 1' 58.8237" E
8	435353.47	5783461.69	52.1978143	2.0541393	52° 11.868857' N	2° 3.248355' E	52° 11' 52.1314" N	2° 3' 14.9013" E
9	440958.95	5786401.22	52.2248684	2.1356312	52° 13.492106' N	2° 8.137870' E	52° 13' 29.5263" N	2° 8' 8.2722" E
10	440339.46	5777429.65	52.1441505	2.1281417	52° 8.649033' N	2° 7.688504' E	52° 8' 38.9420" N	2° 7' 41.3103" E
11	438958.55	5779026.93	52.1583586	2.1076771	52° 9.501513' N	2° 6.460628' E	52° 9' 30.0908" N	2° 6' 27.6377" E
12	438216.66	5779831.07	52.1655050	2.0966870	52° 9.930299' N	2° 5.801222' E	52° 9' 55.8179" N	2° 5' 48.0733" E
13	435838.87	5782506.08	52.1892806	2.0614212	52° 11.356834' N	2° 3.685270' E	52° 11' 21.4100" N	2° 3' 41.1162" E
14	434210.67	5782067.50	52.1851462	2.0376917	52° 11.108774' N	2° 2.261504' E	52° 11' 6.5264" N	2° 2' 15.6902" E
15	428314.11	5779501.50	52.1613451	1.9519993	52° 9.680704' N	1° 57.119959' E	52° 9' 40.8422" N	1° 57' 7.1975" E
16	426047.67	5779486.66	52.1609127	1.9188750	52° 9.654761' N	1° 55.132500' E	52° 9' 39.2857" N	1° 55' 7.9500" E
17	425779.26	5779660.81	52.1624421	1.9149138	52° 9.746527' N	1° 54.894826' E	52° 9' 44.7916" N	1° 54' 53.6896" E
18	423164.19	5781761.81	52.1809701	1.8762141	52° 10.858207' N	1° 52.572848' E	52° 10' 51.4924" N	1° 52' 34.3709" E
19	423112.83	5781809.02	52.1813873	1.8754524	52° 10.883237' N	1° 52.527146' E	52° 10' 52.9942" N	1° 52' 31.6288" E
20	423061.1636	5781872.527	52.18195096	1.874682492	52° 10.917058' N	1° 52.480950' E	52° 10' 55.0235" N	1° 52' 28.8570" E
21	419592.6107	5788616.766	52.24207844	1.822360202	52° 14.524706' N	1° 49.341612' E	52° 14' 31.4824" N	1° 49' 20.4967" E
22	415546.0962	5788971.239	52.24465861	1.7630213	52° 14.679517' N	1° 45.781278' E	52° 14' 40.7710" N	1° 45' 46.8767" E
23	415300.4601	5788955.986	52.24448376	1.759428257	52° 14.669026' N	1° 45.565695' E	52° 14' 40.1415" N	1° 45' 33.9417" E
24	414765.8525	5788636.61	52.24153053	1.751680578	52° 14.491832' N	1° 45.100835' E	52° 14' 29.5099" N	1° 45' 6.0501" E
25	415767.2546	5790005.887	52.25399243	1.766001706	52° 15.239546' N	1° 45.960102' E	52° 15' 14.3727" N	1° 45' 57.6061" E
26	419993.6084	5789635.25	52.25129172	1.827990618	52° 15.077503' N	1° 49.679437' E	52° 15' 4.6502" N	1° 49' 40.7662" E
27	420112.6293	5789605.63	52.25104276	1.829740761	52° 15.062566' N	1° 49.784446' E	52° 15' 3.7539" N	1° 49' 47.0667" E
28	420221.5295	5789549.202	52.25055135	1.831348995	52° 15.033081' N	1° 49.880940' E	52° 15' 1.9849" N	1° 49' 52.8564" E
29	420314.3654	5789469.047	52.24984431	1.832727527	52° 14.990659' N	1° 49.963652' E	52° 14' 59.4395" N	1° 49' 57.8191" E
30	444652.3254	5788525.457	52.2443482	2.18934878	52° 14.660892' N	2° 11.360927' E	52° 14' 39.6535" N	2° 11' 21.6556" E
31	441018.5745	5787264.706	52.23263716	2.136353339	52° 13.958230' N	2° 8.181200' E	52° 13' 57.4938" N	2° 8' 10.8720" E
32	441685.6847	5796925.939	52.3195582	2.144449676	52° 19.173492' N	2° 8.666981' E	52° 19' 10.4095" N	2° 8' 40.0188" E
33	442737.3883	5796914.403	52.31956523	2.159879746	52° 19.173914' N	2° 9.592785' E	52° 19' 10.4348" N	2° 9' 35.5671" E
34	442376.5675	5791688.918	52.27255283	2.155480643	52° 16.353170' N	2° 9.328839' E	52° 16' 21.1902" N	2° 9' 19.7303" E

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
35	444652.3254	5788525.457	52.2443482	2.18934878	52° 14.660892' N	2° 11.360927' E	52° 14' 39.6535" N	2° 11' 21.6556" E

2.5 EA3 - OWF

Table 2-5: East Anglia Three Windfarm Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	487052.30	5817287.86	52.5055627	2.8092404	52° 30.333763' N	2° 48.554425' E	52° 30' 20.0258" N	2° 48' 33.2655" E
2	483639.67	5819524.02	52.5255742	2.7588524	52° 31.534453' N	2° 45.531142' E	52° 31' 32.0672" N	2° 45' 31.8685" E
3	483759.98	5844814.39	52.7529357	2.7593814	52° 45.176145' N	2° 45.562886' E	52° 45' 10.5687" N	2° 45' 33.7732" E
4	502545.66	5846873.91	52.7716884	3.0377336	52° 46.301306' N	3° 2.264018' E	52° 46' 18.0784" N	3° 2' 15.8411" E

2.6 EA3 - ECC

Table 2-6: East Anglia Three Export Cable Corridor Boundary Perimeter Coordinates

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
1	487052.295	5817287.862	52.50556272	2.809240423	52° 30.333763' N	2° 48.554425' E	52° 30' 20.0258" N	2° 48' 33.2655" E
2	483966.0696	5811069.212	52.44957409	2.764070411	52° 26.974446' N	2° 45.844225' E	52° 26' 58.4667" N	2° 45' 50.6535" E
3	482469.8475	5811073.465	52.44956636	2.742054416	52° 26.973982' N	2° 44.523265' E	52° 26' 58.4389" N	2° 44' 31.3959" E
4	472672.2325	5811429.15	52.45236174	2.597862484	52° 27.141705' N	2° 35.871749' E	52° 27' 8.5023" N	2° 35' 52.3049" E
5	472440.8177	5799426.744	52.34444701	2.595445243	52° 20.666821' N	2° 35.726715' E	52° 20' 40.0092" N	2° 35' 43.6029" E
6	472440.6442	5799419.646	52.34438319	2.595443278	52° 20.662991' N	2° 35.726597' E	52° 20' 39.7795" N	2° 35' 43.5958" E
7	467672.1192	5799154.611	52.34174011	2.525471783	52° 20.504407' N	2° 31.528307' E	52° 20' 30.2644" N	2° 31' 31.6984" E
8	466432.749	5799181.312	52.3419057	2.507277605	52° 20.514342' N	2° 30.436656' E	52° 20' 30.8605" N	2° 30' 26.1994" E
9	462576.7977	5792867.772	52.284897	2.451382289	52° 17.093820' N	2° 27.082937' E	52° 17' 5.6292" N	2° 27' 4.9762" E
10	462572.5652	5792860.844	52.28483443	2.451321014	52° 17.090066' N	2° 27.079261' E	52° 17' 5.4039" N	2° 27' 4.7557" E
11	462556.1213	5792833.928	52.28459132	2.451082952	52° 17.075479' N	2° 27.064977' E	52° 17' 4.5288" N	2° 27' 3.8986" E
12	462553.5459	5792009.156	52.27717636	2.451136817	52° 16.630581' N	2° 27.068209' E	52° 16' 37.8349" N	2° 27' 4.0925" E
13	462550.0135	5791965.768	52.27678605	2.451089863	52° 16.607163' N	2° 27.065392' E	52° 16' 36.4298" N	2° 27' 3.9235" E
14	462161.5745	5787193.508	52.23385614	2.445931605	52° 14.031369' N	2° 26.755896' E	52° 14' 1.8821" N	2° 26' 45.3538" E
15	460761.4965	5778858.876	52.15882808	2.426396701	52° 9.529685' N	2° 25.583802' E	52° 9' 31.7811" N	2° 25' 35.0281" E
16	460786.0066	5778743.814	52.15779538	2.426768269	52° 9.467723' N	2° 25.606096' E	52° 9' 28.0634" N	2° 25' 36.3658" E
17	444819.4145	5782276.762	52.18819088	2.192814769	52° 11.291453' N	2° 11.568886' E	52° 11' 17.4872" N	2° 11' 34.1332" E

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Easting (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
18	444760.2822	5782283.813	52.18824835	2.191948721	52° 11.294901' N	2° 11.516923' E	52° 11' 17.6941" N	2° 11' 31.0154" E
19	444715.655	5782281.34	52.18822165	2.191296385	52° 11.293299' N	2° 11.477783' E	52° 11' 17.5979" N	2° 11' 28.6670" E
20	437758.9832	5780656.836	52.17287681	2.089844973	52° 10.372609' N	2° 5.390698' E	52° 10' 22.3565" N	2° 5' 23.4419" E
21	437744.5632	5780651.445	52.17282672	2.089635126	52° 10.369603' N	2° 5.378108' E	52° 10' 22.1762" N	2° 5' 22.6865" E
22	434091.5616	5779177.914	52.15915627	2.036511187	52° 9.549376' N	2° 2.190671' E	52° 9' 32.9626" N	2° 2' 11.4403" E
23	429019.189	5777812.977	52.14625762	1.962658165	52° 8.775457' N	1° 57.759490' E	52° 8' 46.5274" N	1° 57' 45.5694" E
24	429018.0198	5777812.66	52.14625462	1.962641147	52° 8.775277' N	1° 57.758469' E	52° 8' 46.5166" N	1° 57' 45.5081" E
25	425274.9774	5776789.197	52.13656086	1.908174344	52° 8.193652' N	1° 54.490461' E	52° 8' 11.6191" N	1° 54' 29.4276" E
26	423467.557	5776817.386	52.13656685	1.881764717	52° 8.194011' N	1° 52.905883' E	52° 8' 11.6406" N	1° 52' 54.3530" E
27	423394.634	5776809.555	52.13648634	1.880701205	52° 8.189180' N	1° 52.842072' E	52° 8' 11.3508" N	1° 52' 50.5243" E
28	423352.5674	5776796.398	52.13636224	1.880089653	52° 8.181734' N	1° 52.805379' E	52° 8' 10.9041" N	1° 52' 48.3228" E
29	414313.9358	5770973.819	52.08269733	1.749521939	52° 4.961840' N	1° 44.971316' E	52° 4' 57.7104" N	1° 44' 58.2790" E
30	404600.2939	5767409.153	52.04906865	1.608802888	52° 2.944119' N	1° 36.528173' E	52° 2' 56.6471" N	1° 36' 31.6904" E
31	404575.8718	5767396.124	52.04894734	1.608450497	52° 2.936840' N	1° 36.507030' E	52° 2' 56.2104" N	1° 36' 30.4218" E
32	404541.7479	5767372.502	52.04872914	1.607959633	52° 2.923749' N	1° 36.477578' E	52° 2' 55.4249" N	1° 36' 28.6547" E
33	403005.8523	5766143.783	52.03741858	1.585918068	52° 2.245115' N	1° 35.155084' E	52° 2' 14.7069" N	1° 35' 9.3050" E
34	403000.718	5766139.484	52.03737904	1.585844458	52° 2.242742' N	1° 35.150668' E	52° 2' 14.5645" N	1° 35' 9.0401" E
35	400580.4406	5763371.18	52.01206872	1.551375475	52° 0.724123' N	1° 33.082528' E	52° 0' 43.4474" N	1° 33' 4.9517" E
36	400571.0743	5763359.899	52.01196565	1.551242322	52° 0.717939' N	1° 33.074539' E	52° 0' 43.0764" N	1° 33' 4.4724" E
37	400562.2705	5763348.175	52.0118587	1.551117493	52° 0.711522' N	1° 33.067050' E	52° 0' 42.6913" N	1° 33' 4.0230" E
38	400554.0503	5763336.034	52.0117481	1.551001285	52° 0.704886' N	1° 33.060077' E	52° 0' 42.2932" N	1° 33' 3.6046" E
39	400546.4332	5763323.506	52.01163413	1.550893975	52° 0.698048' N	1° 33.053639' E	52° 0' 41.8829" N	1° 33' 3.2183" E
40	400539.4375	5763310.621	52.01151707	1.55079582	52° 0.691024' N	1° 33.047749' E	52° 0' 41.4614" N	1° 33' 2.8650" E
41	400533.0799	5763297.409	52.01139718	1.550707055	52° 0.683831' N	1° 33.042423' E	52° 0' 41.0298" N	1° 33' 2.5454" E
42	400527.3755	5763283.902	52.01127476	1.550627891	52° 0.676485' N	1° 33.037673' E	52° 0' 40.5891" N	1° 33' 2.2604" E
43	400522.3381	5763270.133	52.01115009	1.550558518	52° 0.669006' N	1° 33.033511' E	52° 0' 40.1403" N	1° 33' 2.0107" E
44	400517.9796	5763256.134	52.01102349	1.5504991	52° 0.661409' N	1° 33.029946' E	52° 0' 39.6846" N	1° 33' 1.7968" E
45	399536.5197	5759809.012	51.97986386	1.53721404	51° 58.791831' N	1° 32.232842' E	51° 58' 47.5099" N	1° 32' 13.9705" E
46	396760.5594	5757675.156	51.9601761	1.49745155	51° 57.610566' N	1° 29.847093' E	51° 57' 36.6340" N	1° 29' 50.8256" E
47	393110.5438	5758215.86	51.96434608	1.444181694	51° 57.860765' N	1° 26.650902' E	51° 57' 51.6459" N	1° 26' 39.0541" E
48	393095.1071	5758215.362	51.96433864	1.443957251	51° 57.860318' N	1° 26.637435' E	51° 57' 51.6191" N	1° 26' 38.2461" E
49	393079.7165	5758214.071	51.96432407	1.443733726	51° 57.859444' N	1° 26.624024' E	51° 57' 51.5667" N	1° 26' 37.4414" E
50	393064.4127	5758211.988	51.96430241	1.443511711	51° 57.858145' N	1° 26.610703' E	51° 57' 51.4887" N	1° 26' 36.6422" E
51	393034.2279	5758205.477	51.96423808	1.443074563	51° 57.854285' N	1° 26.584474' E	51° 57' 51.2571" N	1° 26' 35.0684" E
52	393019.4269	5758201.064	51.96419558	1.44286059	51° 57.851735' N	1° 26.571635' E	51° 57' 51.1041" N	1° 26' 34.2981" E
53	391701.7205	5762136.459	51.99931011	1.422446415	51° 59.958607' N	1° 25.346785' E	51° 59' 57.5164" N	1° 25' 20.8071" E
54	391701.7146	5762136.465	51.99931016	1.422446327	51° 59.958610' N	1° 25.346780' E	51° 59' 57.5166" N	1° 25' 20.8068" E



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	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
55	391701.6937	5762136.486	51.99931035	1.422446016	51° 59.958621' N	1° 25.346761' E	51° 59' 57.5173" N	1° 25' 20.8057" E
56	391703.153	5762137.627	51.99932089	1.422466904	51° 59.959253' N	1° 25.348014' E	51° 59' 57.5552" N	1° 25' 20.8809" E
57	391708.2934	5762141.643	51.99935798	1.422540484	51° 59.961479' N	1° 25.352429' E	51° 59' 57.6887" N	1° 25' 21.1457" E
58	391822.5944	5762229.574	52.00017056	1.424177042	52° 0.010233' N	1° 25.450623' E	52° 0' 0.6140" N	1° 25' 27.0374" E
59	391830.5	5762236.123	52.00023095	1.424290089	52° 0.013857' N	1° 25.457405' E	52° 0' 0.8314" N	1° 25' 27.4443" E
60	403659.2894	5769187.719	52.06489193	1.594583168	52° 3.893516' N	1° 35.674990' E	52° 3' 53.6109" N	1° 35' 40.4994" E
61	409754.6444	5772508.837	52.09577026	1.682597147	52° 5.746216' N	1° 40.955829' E	52° 5' 44.7729" N	1° 40' 57.3497" E
62	416350.5935	5776043.582	52.12857968	1.777991795	52° 7.714781' N	1° 46.679508' E	52° 7' 42.8868" N	1° 46' 40.7705" E
63	419313.6472	5777553.655	52.14259403	1.820909655	52° 8.555642' N	1° 49.254579' E	52° 8' 33.3385" N	1° 49' 15.2748" E
64	423716.3809	5779471.398	52.16045824	1.884803672	52° 9.627494' N	1° 53.088220' E	52° 9' 37.6497" N	1° 53' 5.2932" E
65	428314.1097	5779501.501	52.16134506	1.951999312	52° 9.680704' N	1° 57.119959' E	52° 9' 40.8422" N	1° 57' 7.1975" E
66	434210.6675	5782067.505	52.18514623	2.037691735	52° 11.108774' N	2° 2.261504' E	52° 11' 6.5264" N	2° 2' 15.6902" E
67	443131.8528	5784463.961	52.20768171	2.167764603	52° 12.460903' N	2° 10.065876' E	52° 12' 27.6542" N	2° 10' 3.9526" E
68	444383.1416	5784301.162	52.2063459	2.186101274	52° 12.380754' N	2° 11.166076' E	52° 12' 22.8452" N	2° 11' 9.9646" E
69	449193.8827	5786441.764	52.22605413	2.256173672	52° 13.563248' N	2° 15.370420' E	52° 13' 33.7949" N	2° 15' 22.2252" E
61	409754.6444	5772508.837	52.09577026	1.682597147	52° 5.746216' N	1° 40.955829' E	52° 5' 44.7729" N	1° 40' 57.3497" E
70	451394.6353	5786600.551	52.22768025	2.288368187	52° 13.660815' N	2° 17.302091' E	52° 13' 39.6489" N	2° 17' 18.1255" E
71	456009.2223	5799990.207	52.34844052	2.354177502	52° 20.906431' N	2° 21.250650' E	52° 20' 54.3859" N	2° 21' 15.0390" E
72	462188.7904	5804277.48	52.38744395	2.444410539	52° 23.246637' N	2° 26.664632' E	52° 23' 14.7982" N	2° 26' 39.8779" E
73	464973.4619	5805668.347	52.40013306	2.48518054	52° 24.007984' N	2° 29.110832' E	52° 24' 0.4790" N	2° 29' 6.6499" E
74	470656.6784	5812967.652	52.46608832	2.568068468	52° 27.965299' N	2° 34.084108' E	52° 27' 57.9180" N	2° 34' 5.0465" E
75	482436.0477	5812614.729	52.4634215	2.741475943	52° 27.805290' N	2° 44.488557' E	52° 27' 48.3174" N	2° 44' 29.3134" E
76	482686.8514	5817813.673	52.51016866	2.744897231	52° 30.610119' N	2° 44.693834' E	52° 30' 36.6072" N	2° 44' 41.6300" E
77	482639.6769	5819527.747	52.52557681	2.744112631	52° 31.534609' N	2° 44.646758' E	52° 31' 32.0765" N	2° 44' 38.8055" E
78	482639.6821	5819528.773	52.52558604	2.744112654	52° 31.535162' N	2° 44.646759' E	52° 31' 32.1097" N	2° 44' 38.8056" E
79	482759.451	5844704.695	52.75191866	2.744563059	52° 45.115119' N	2° 44.673784' E	52° 45' 6.9072" N	2° 44' 40.4270" E
80	483759.9841	5844814.386	52.75293574	2.759381434	52° 45.176145' N	2° 45.562886' E	52° 45' 10.5687" N	2° 45' 33.7732" E
81	502545.6565	5846873.907	52.77168843	3.03773364	52° 46.301306' N	3° 2.264018' E	52° 46' 18.0784" N	3° 2' 15.8411" E
82	487052.295	5817287.862	52.50556272	2.809240423	52° 30.333763' N	2° 48.554425' E	52° 30' 20.0258" N	2° 48' 33.2655" E
83	455909.1993	5794986.568	52.30345034	2.353365345	52° 18.207020' N	2° 21.201921' E	52° 18' 12.4212" N	2° 21' 12.1152" E
84	453948.4598	5786784.812	52.22955625	2.325730788	52° 13.773375' N	2° 19.543847' E	52° 13' 46.4025" N	2° 19' 32.6308" E
85	458410.9121	5787118.916	52.232915	2.391023011	52° 13.974900' N	2° 23.461381' E	52° 13' 58.4940" N	2° 23' 27.6828" E
86	460651.1175	5787118.916	52.23307967	2.423823842	52° 13.984780' N	2° 25.429430' E	52° 13' 59.0868" N	2° 25' 25.7658" E
87	461384.5215	5796129.308	52.31413591	2.433530619	52° 18.848155' N	2° 26.011837' E	52° 18' 50.8893" N	2° 26' 0.7102" E
88	463201.0375	5796711.318	52.319493	2.460113	52° 19.169580' N	2° 27.606780' E	52° 19' 10.1748" N	2° 27' 36.4068" E
89	465544.4394	5800614.772	52.35473752	2.494091857	52° 21.284251' N	2° 29.645511' E	52° 21' 17.0551" N	2° 29' 38.7307" E
90	465577.4505	5800621.633	52.35480128	2.494575832	52° 21.288077' N	2° 29.674550' E	52° 21' 17.2846" N	2° 29' 40.4730" E

Ref ID	WGS 84 / UTM Zone 31N		World Geodetic System (WGS84)					
	(Metres)		(Decimal Degrees)		(Degrees Decimal Minutes)		(Degrees Minutes Seconds)	
	Eastings (m)	Northings (m)	Latitude (DD)	Longitude (DD)	Latitude (DDM)	Longitude (DDM)	Latitude (DMS)	Longitude (DMS)
91	470750.5597	5800828.245	52.35695919	2.570511748	52° 21.417551' N	2° 34.230705' E	52° 21' 25.0531" N	2° 34' 13.8423" E
92	470696.4948	5809214.757	52.43235188	2.568984009	52° 25.941113' N	2° 34.139041' E	52° 25' 56.4668" N	2° 34' 8.3424" E
93	465763.1627	5804393.054	52.38871814	2.496917442	52° 23.323088' N	2° 29.815047' E	52° 23' 19.3853" N	2° 29' 48.9028" E
94	462955.3683	5802983.667	52.37586502	2.455816926	52° 22.551901' N	2° 27.349016' E	52° 22' 33.1141" N	2° 27' 20.9409" E
95	457219.2552	5799004.056	52.33967087	2.372066265	52° 20.380252' N	2° 22.323976' E	52° 20' 22.8151" N	2° 22' 19.4386" E
96	455881.0494	5795089.32	52.30437181	2.352939062	52° 18.262308' N	2° 21.176344' E	52° 18' 15.7385" N	2° 21' 10.5806" E
97	455909.1993	5794986.568	52.30345034	2.353365345	52° 18.207020' N	2° 21.201921' E	52° 18' 12.4212" N	2° 21' 12.1152" E

3. Offshore Survey Investigations

3.1 Offshore Geophysical Investigation – EA1N – OWF & ECC

3.1.1 Fugro Frontier

Geophysical operations at the EA1N site are expected to be carried out from the Fugro Frontier from the 12th April 2021 for approximately three weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Frontier will be towing survey equipment the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000 m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24 hour basis.

3.1.2 Xplorer

Geophysical operations at the EA1N site are expected to be carried out from the Xplorer from the 20th May 2021 for approximately four weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Xplorer will be surveying prescribed survey lines, the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000 m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 12 hour basis.

The Xplorer will be operating in the nearshore section of EA1N ECC only.

3.2 Offshore Geotechnical Investigation – EA1N – OWF & ECC

3.2.1 Haven Seariser 2

Geotechnical operations at the EA1N site are expected to be carried out from the Jack Up Barge (JUB), Haven Seariser 2, from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The JUB will utilise a support tug, MTS Viking, and the JUB will be operational 24 hours per day unless stood down by the harbour authorities.

JUB crew will not be living on board and a RHIB will be operational between Southwold and the JUB twice per day to crew change.

Exclusion Zones

When Seariser 2 is jacked to safe working height it requires a 50m execution zone for all other marine Traffic. Should it be necessary for a vessel to make a planned entry into the exclusion zone vessels are requested to contact the Barge Master.

When Seariser 2 is in the water or under tow, it requires a 100m exclusion zone and a speed reduction for all vessels who wish to pass it to minimise wake and wash.

The Haven Seariser 2 will be operating in the nearshore section of EA1N ECC only.

3.2.2 MTS Viking

MTS Viking will support the operations of the JUB Haven Seariser 2 from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The MTS Viking will be operating in the nearshore section of EA1N ECC only.

3.2.3 CRC Vanguard

CRC Vanguard will perform twice daily crew change operations between Southwold and JUB Haven Seariser 2 from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The CRC Vanguard will be operating in the nearshore section of EA1N ECC only.

3.2.4 Gargano

Geotechnical operations at the EA1N site are expected to be carried out from the Gargano from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Gargano having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m

(coordinates above).

Survey operations will be conducted on a 24 hour basis.

3.2.5 Highland Eagle

Geotechnical operations at the EA1N site are expected to be carried out from the Highland Eagle from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Highland Eagle having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

3.2.6 Fugro Galaxy

Geotechnical operations at the EA1N site are expected to be carried out from the Fugro Galaxy from the 10th June 2021 for approximately two weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Fugro Galaxy having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

3.3 Offshore Geophysical Investigation – EA2 – OWF & ECC**3.3.1 Fugro Frontier**

Geophysical operations at the EA2 site are expected to be carried out from the Fugro Frontier from the 1st April for approximately nine weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Frontier will be towing survey equipment the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000 m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24 hour basis.

Please note that the Fugro Frontier, will be operating across all sites (EA1N, EA2, and EA3) throughout the total estimated period of 1st April to 18th August. The current estimated split between the vessels is based on initial scheduling however, the vessels may move between sites as required throughout.

3.3.2 Xplorer

Geophysical operations at the EA2 site are expected to be carried out from the Xplorer from the 17th May 2021 for approximately four weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Xplorer will be surveying prescribed survey lines, the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000 m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 12 hour basis.

The Xplorer will be operating in the nearshore section of EA2 ECC only.

3.4 Offshore Geotechnical Investigation – EA2 – OWF & ECC

3.4.1 Haven Seariser 2

Geotechnical operations at the EA2 site are expected to be carried out from the Jack Up Barge (JUB), Haven Seariser 2, from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The JUB will utilise a support tug, MTS Viking, and the JUB will be operational 24 hours per day unless stood down by the harbour authorities.

Crew will not be living aboard and as such a RHIB will be operational between Southwold and the JUB twice per day to crew change.

Exclusion Zones

When Seariser 2 is jacked to safe working height it requires a 50m exclusion zone for all other marine Traffic. Should it be necessary for a vessel to make a planned entry into the exclusion zone vessels are requested to contact the Barge Master.

When Seariser 2 is in the water or under tow, it requires a 100m exclusion zone and a speed reduction for all vessels who wish to pass it to minimise wake and wash.

The Haven Seariser 2 will be operating in the nearshore section of EA2 ECC only.

3.4.2 MTS Viking

MTS Viking will support the operations of the JUB Haven Seariser 2 from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The MTS Viking will be operating in the nearshore section of EA2 ECC only.

3.4.3 CRC Vanguard

CRC Vanguard will perform twice daily crew change operations between Southwold and JUB Haven Seariser 2 from the 5th April 2021 for approximately eight weeks however these operations may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

The CRC Vanguard will be operating in the nearshore section of EA2 ECC only.

3.4.4 Gargano

Geotechnical operations at the EA2 site are expected to be carried out from the Gargano from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Gargano having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

Survey operations will be conducted on a 24 hour basis.

3.4.5 Highland Eagle

Geotechnical operations at the EA2 site are expected to be carried out from the Highland Eagle from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Highland Eagle having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m

(coordinates above).**3.4.6 Fugro Galaxy**

Geotechnical operations at the EA2 site are expected to be carried out from the Fugro Galaxy from the 10th June 2021 for approximately two weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Fugro Galaxy having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

3.5 Offshore Geophysical Investigation – EA3 – OWF & ECC**3.5.1 Fugro Frontier**

Geophysical operations at the EA3 site are expected to be carried out from the Fugro Frontier from the 5th April 2021 for approximately three weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

As the Fugro Frontier will be towing survey equipment the vessel will require large turning circles therefore it is requested that all vessels operating within this area keep their distance, maintaining at least the 2,000 m exclusion including in the survey area buffer (coordinates above), and pass at minimum speed to reduce vessel wash.

Survey operations will be conducted on a 24 hour basis.

3.6 Offshore Geotechnical Investigation – EA3 – OWF & ECC**3.6.1 Gargano**

Geotechnical operations at the EA3 site are expected to be carried out from the Gargano from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Gargano having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

Survey operations will be conducted on a 24 hour basis.

3.6.2 Highland Eagle

Geotechnical operations at the EA3 site are expected to be carried out from the Highland Eagle from the 1st May 2021 for approximately eight weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Highland Eagle having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

3.6.3 Fugro Galaxy

Geotechnical operations at the EA3 site are expected to be carried out from the Fugro Galaxy from the 10th June 2021 for approximately two weeks however this survey may be carried out earlier than the date mentioned above. Please note that the exact start and finish date will be dependent on the prevailing weather conditions and work progress.

Due to the Fugro Galaxy having limited manoeuvrability whilst working in DP mode it is requested that all vessels operating within this area keep their distance. The required exclusion zone is 500 m which is included in the survey area buffer of 2,000 m (coordinates above).

4. 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):

For any fisheries related matters, please contact the projects Fisheries Liaison Officer (Brown and May Marine Ltd), using the contact details provided below.

Humphrey Capon – Project Manager

Tel: +44 (0) 7825 879 223 (mob), **Email:** h.capon@fugro.com

Kate Jackson – Vessel Manager (Fugro Frontier)

Tel: +31 628 349 097 (mob), **Email:** k.jackson@fugro.com

Andrew Eastmond – Vessel Manager (Xplorer)

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

Andi Hagan – Vessel Manager (Haven Seariser2, MTS Viking, CRC Vanguard)

Tel: + 44 (0) 7964 010 040 (mob), **Email:** a.hagan@fugro.com

Scott Bennell-Smith – Vessel Manager (Highland Eagle)

Tel: + 44 (0)7881 573 127 (mob), **Email:** s.bennell-smith@fugro.com

Eisse van den Oever – Vessel Manager (Gargano)

Tel: + 31 (0) 618 750 865 (mob), **Email:** e.vandenoever@fugro.com

David Probert – Vessel Manager (Fugro Galaxy)

Tel: + 44 (0)7813 919010 (mob), **Email:** d.probert@fugro.com

For enquiries related to Fishing, please contact the dedicated Fisheries Liaison Officer:

Jonathan – Fisheries Liaison Officer (FLO) [Primary contact]

Tel: +44 (0) 7850 604851 (mob), **Email:** jonathan@brownmay.com

Zoe Lawrence – Fisheries Liaison Officer (FLO) [Alternative contact]

Tel: +44 (0) 7923 138175 (mob), **Email:** Zoe@brownmay.com

5. Survey Vessels

Export Cable Corridor and Offshore Wind Farm geophysical operations will be conducted by the survey vessels Fugro Venturer and Fugro Frontier.

Additional Vessels will mobilise to site at a later stage and this notice will be updated accordingly.

Table 5-1: Fugro Frontier



	General Information	
	Name	Fugro Frontier
	Flag	Bahamas
	Call Sign	C6BH4
	Class	GERMANISCHER LLOYD
	Dimensions	
	Length	53 m
	Beam	13 m
	Draught (loaded)	3.3 m
	Gross Tonnage	1308
	Communication	
	Master	+31 10 7130 936
	Vessel Sat Phone	+881 63 1419 009
	Email:	master@frontier.fugro.com
	Email:	captain@sea.fugro.com bridge@sea.fugro.com

Table 5-2: Xplorer

	General Information	
	Name	Xplorer
	Flag	UK
	Call Sign	VSQN2
	Class	UK Mecal MCA Workboat Certificate Brown Code
	Dimensions	
	Length	11.83 m
	Beam	5.20 m
	Draught (loaded)	1.13 m
	Nett Tonnage	15.48
	Communication	
	Master	+44 7810 607 645

Bridge (Party Chief)	+44 7961 046 376
Email:	FTVXplorerVS@fugro.com

Table 5-3: Haven Seariser 2


	General Information	
	Name	Haven Seariser 2
	Flag	United Kingdom
	Call Sign	2FWX9
	Class	Offshore Self Elevating Unit Coastal
	Dimensions	
	Length	29.26m
	Beam	17.07m
	Draught (loaded)	3.0m (with legs raised)
	Gross Tonnage	314
	Communication	
	Master	Redford Moors
	Vessel Phone	07799884633
	Email:	Seariser2@r7m.co.uk a.hagen@fugro.com

Table 5-4: MTS Viking


	General Information	
	Name	MTS Viking
	Flag	United Kingdom
	Call Sign	MCYN9
	Class	Utility Vessel
	Dimensions	
	Length	21.5m
	Beam	9m
	Draught (loaded)	2.5m
	Gross Tonnage	146
	Communication	
	Master	Fraser Wilson
	Vessel Phone	+44 (0)7970 113709
	Email:	mtsviking3@gmail.com

Table 5-5: CRC Vanguard

	General Information	
	Name	CRC Vanguard
	Flag	United Kingdom


	Call Sign	MERC2
	Class	Utility Vessel
	Dimensions	
	Length	12.5m
	Beam	3.6m
	Draught (loaded)	0.8m
	Gross Tonnage	5
	Communication	
	Master	Mik Robinson
	Vessel Phone	+ 44 (0) 7436 006 060
	Email:	stuart@commercialribcharter.co.uk

Table 5-6: Highland Eagle




	General Information	
	Name	Highland Eagle
	Flag	UK
	Call Sign	VQIE5
	Class	DNV +1A1, Supply Vessel, SF, EO, Dynpos AUTR
	Length	72m
	Beam	16m
	Draught (loaded)	5.9m
	Gross Tonnage	2,244
	Master / Bridge	+44 1224 395 860
Satellite	00870 773 992 705	
Email:	highland.eagle@gtships.com	

Table 5-7: Gargano

	General Information	
	Name	Gargano
	Flag	UK
	Call Sign	VSMW5
	Class	DNV +1A1, Supply Vessel, SF, EO, Dynpos AUTR
	Length	72m
	Beam	16m
	Draught (loaded)	5.9m

Gross Tonnage	2,244
Master / Bridge	+ 44 7788 975 807 (In Port) + 44 1224 372 500 (Offshore)
Fleet Broadband	+88 1677 104 986
Email:	gargano@gtships.com

Table 5-8: Fugro Galaxy

	General Information	
	Name	Fugro Galaxy
	Flag	Bahamas
	Call Sign	C6YY4
	Class	DP1
	Length	65.6
	Beam	14.3
	Draught (loaded)	5.4m
	Gross Tonnage	1,929
	Master	(+44) 1224 051623
	Inmarsat	(+870) 7732 01725
Mobile phone	(+44) 7807 079 387	

6. Distribution List

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

Table 6-1: Distribution List

	E-mail
	wm.humber@mcga.gov.uk
	sdr@ukho.gov.uk
	offshore.energy@ukho.gov.uk
	noticestomariners@ukho.gov.uk
	navigationsafety@mcga.gov.uk
	navigation.directorate@thls.org
	lowestoft@marinemanagement.org.uk
	kingfisher@seafish.co.uk
	zone10@hmcg.gov.uk
	NavWarnings@UKHO.gov.uk
	nmoccontroller@hmcg.gov.uk
	marine@scottishpower.com
	jonathan@brownmay.com
	sarah@gobeconsultants.com
	jyoung@ScottishPower.com
	nberry@scottishpower.com
	nabad@scottishpower.com
	c.paterson@scottishpower.com
	alowther@scottishpower.com
	tdimitriadis@scottishpower.com
	akirkland@scottishpower.com
	amilligan@scottishpower.com
	m.soares@scottishpower.com
	jbrown@scottishpower.com
	dburbury@scottishpower.com
	f.murdoch@scottishpower.com
	aschmidt-hansen@scottishpower.com

Appendix A

Buffer Zone Drawings