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## Notice to Mariners – Offshore

Fugro Frontier; Atlantis Dweller

F154991-NtM Offshore (02) | 12 June 2020

For Issue

**Scottish Power Renewables**



# Document Control

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## Client Information

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| Client              | Scottish Power Renewables                  |
| Client Address      | 3rd Floor, 1 Tudor Street, London EC4Y 0AH |
| Client Contact      | Alex Lowther                               |
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## Project Team

| Initials | Name                | Role                   |
|----------|---------------------|------------------------|
| HC       | Humphrey Capon      | Project Manager        |
| KJ       | Kate Jackson        | Vessel Project Manager |
| EvdO     | Eisse van den Oever | Vessel Project Manger  |
| 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 km<sup>2</sup> 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). Initially, Fugro will be operating across EA1N and EA2 in parallel.

This Notice to Mariners will be updated and reissued periodically as additional vessel are planned to come on site. For operations in 2020, current planning indicates a total of 6 vessels being on site between the period 1<sup>st</sup> July 2020 and 5<sup>th</sup> October 2020. 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.

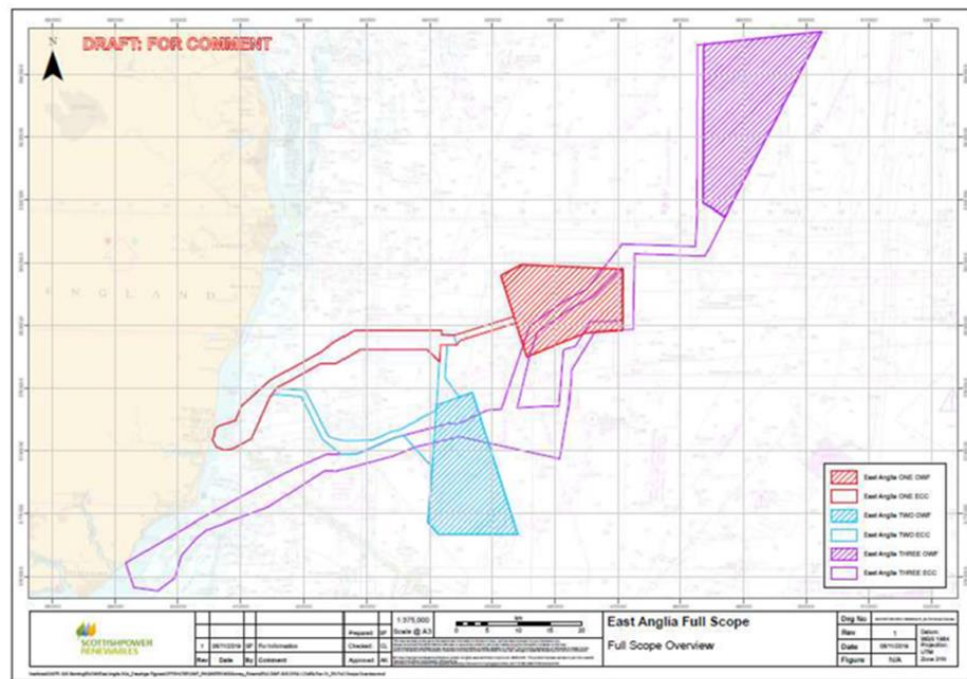


Figure 1: Project Location

## 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 |



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## 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 1<sup>st</sup> July 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 Atlantis Dweller

Geophysical operations at the EA1N site are expected to be carried out from the Atlantis Dweller from the 1<sup>st</sup> July for approximately ten 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 Atlantis Dweller 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.

### 3.2 Offshore Geophysical Investigation – EA2 – OWF & ECC

#### 3.2.1 Fugro Frontier

Geophysical operations at the EA2 site are expected to be carried out from the Fugro Frontier from the 20<sup>th</sup> July 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.

**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.

### 3.2.2 Atlantis Dweller

Geophysical operations at the EA1N site are expected to be carried out from the Atlantis Dweller from the 4<sup>th</sup> September 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.

**As the Atlantis Dweller 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 both vessel's (Fugro Frontier and Atlantis Dweller) will be operating across both sites (EA1N and EA2) throughout the total estimated period of 1<sup>st</sup> July to 15<sup>th</sup> September. The current estimated split between the two vessel's is based on initial scheduling however, the vessels may move between sites as required throughout.

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## 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](mailto:h.capon@fugro.com)

**Kate Jackson – Vessel Manager (Fugro Frontier)**

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

**Eisse van den Oever – Vessel Manager (Atlantis Dweller)**

**Tel:** +31 618750865 (mob), **Email:** [e.vandenoever@fugro.com](mailto:e.vandenoever@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](mailto:jonathan@brownmay.com)

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

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

## 5. Survey Vessels

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

Table 5.2: Atlantis Dweller

|  | General Information |   |
|---|---------------------|---|
|   | Name                | Atlantis Dweller  |
|   | Flag                | Bahamas   |
|   | Call Sign           | C6DX8   |
|   | Class               | Bureau Veritas + AUtUMS, HEL, DYNAPOS AM/AT R Multi Purpose Offshore Vessel |
|   | Dimensions          |   |
|   | Length              | 69.2 m  |
|   | Beam                | 16.2 m  |
|   | Draught (loaded)    | 4.75m   |
|   | Gross Tonnage       | 3346  |
|   | Communication       |   |
|   | Master              | +31 6 18 94 06 68 41  |

|  |                  |                                   |
|--|------------------|-----------------------------------|
|  | Vessel Sat Phone | +870 765 076 974                  |
|  | Email:           | captain@atlantisdweller.fugro.com |

## 6. Distribution List

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

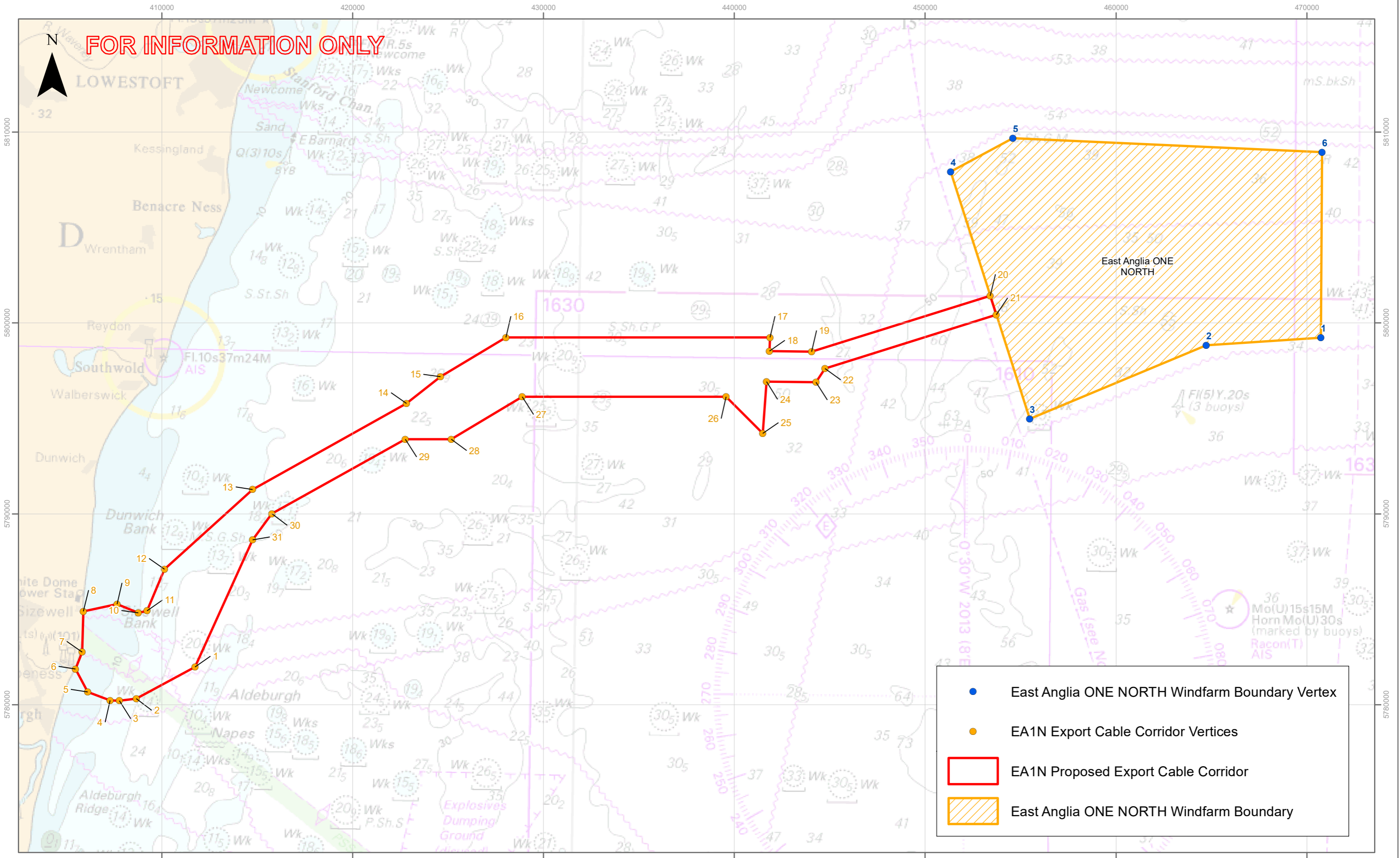
Table 6.1: Distribution List

|  | E-mail   |
|--|--|
|  | <a href="mailto:wm.humber@mcga.gov.uk">wm.humber@mcga.gov.uk</a>                         |
|  | <a href="mailto:sdr@ukho.gov.uk">sdr@ukho.gov.uk</a>                                     |
|  | <a href="mailto:offshore.energy@ukho.gov.uk">offshore.energy@ukho.gov.uk</a>             |
|  | <a href="mailto:noticestomariners@ukho.gov.uk">noticestomariners@ukho.gov.uk</a>         |
|  | <a href="mailto:navigationsafety@mcga.gov.uk">navigationsafety@mcga.gov.uk</a>           |
|  | <a href="mailto:navigation.directorate@thls.org">navigation.directorate@thls.org</a>     |
|  | <a href="mailto:lowestoft@marinemanagement.org.uk">lowestoft@marinemanagement.org.uk</a> |
|  | <a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a>                   |
|  | <a href="mailto:zone10@hmcg.gov.uk">zone10@hmcg.gov.uk</a>                               |
|  | <a href="mailto:NavWarnings@UKHO.gov.uk">NavWarnings@UKHO.gov.uk</a>                     |
|  | <a href="mailto:nmoccontroller@hmcg.gov.uk">nmoccontroller@hmcg.gov.uk</a>               |
|  | <a href="mailto:marine@scottishpower.com">marine@scottishpower.com</a>                   |
|  | <a href="mailto:jonathan@brownmay.com">jonathan@brownmay.com</a>                         |
|  | <a href="mailto:sarah@gobeconsultants.com">sarah@gobeconsultants.com</a>                 |
|  | <a href="mailto:jyoung@ScottishPower.com">jyoung@ScottishPower.com</a>                   |
|  | <a href="mailto:nberry@scottishpower.com">nberry@scottishpower.com</a>                   |
|  | <a href="mailto:nabad@scottishpower.com">nabad@scottishpower.com</a>                     |
|  | <a href="mailto:c.paterson@scottishpower.com">c.paterson@scottishpower.com</a>           |
|  | <a href="mailto:alowther@scottishpower.com">alowther@scottishpower.com</a>               |
|  | <a href="mailto:lcosta@scottishpower.com">lcosta@scottishpower.com</a>                   |
|  | <a href="mailto:akirkland@scottishpower.com">akirkland@scottishpower.com</a>             |
|  | <a href="mailto:amilligan@scottishpower.com">amilligan@scottishpower.com</a>             |

# Appendix A

## Buffer Zone Drawings

FOR INFORMATION ONLY



- East Anglia ONE NORTH Windfarm Boundary Vertex
- EA1N Export Cable Corridor Vertices
- EA1N Proposed Export Cable Corridor
- East Anglia ONE NORTH Windfarm Boundary



| Rev | Date       | By | Comment         | Approved: |
|-----|------------|----|-----------------|-----------|
| 1   | 01/06/2020 | RB | Initial Release | HAH       |

Scale @ A3  
1:180,000

Prepared: RB  
Checked: HAH  
Approved: AL

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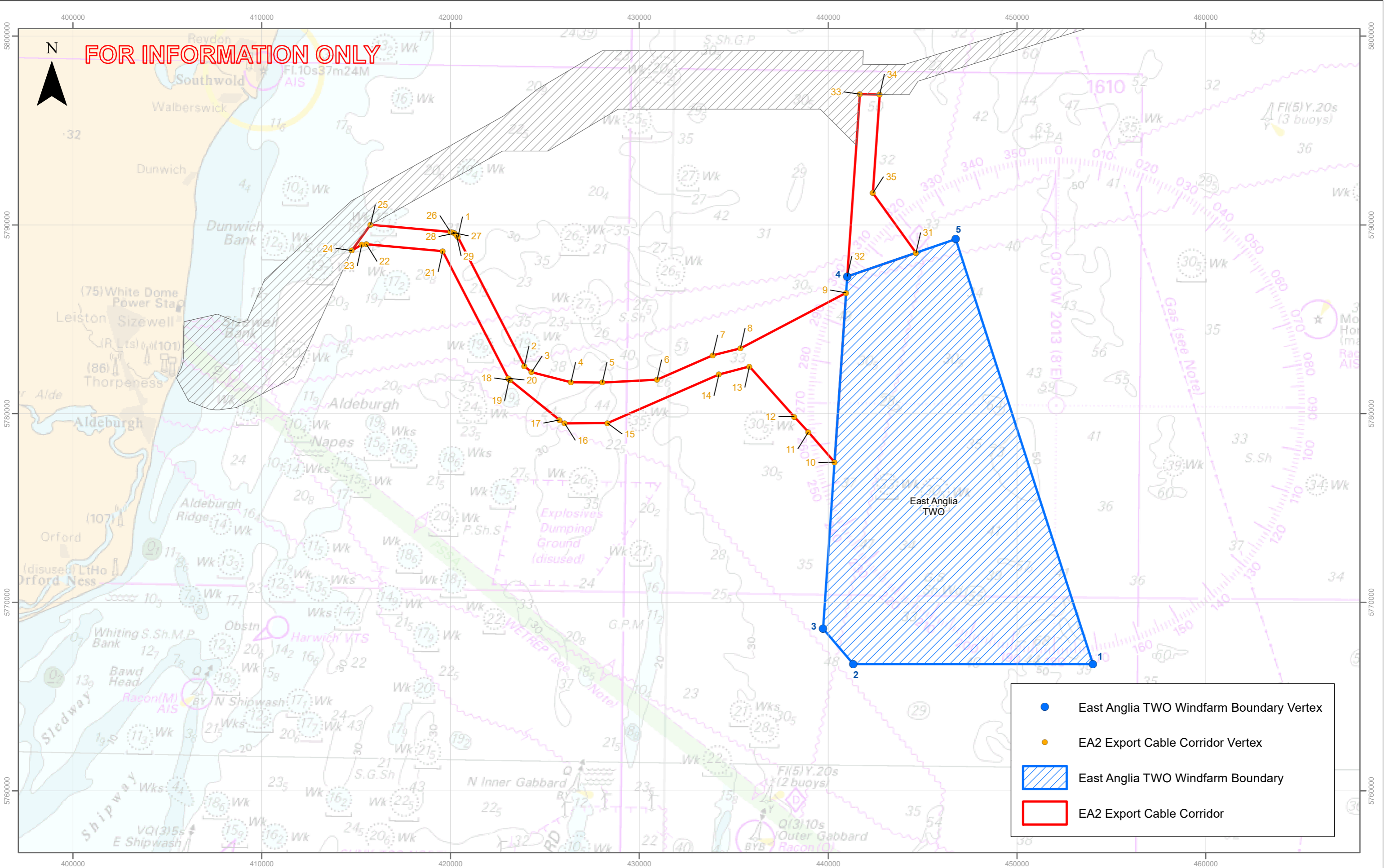
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## East Anglia ONE NORTH

### East Anglia One North Offshore Windfarm And Export Cable Corridor

|               |                             |                                |
|---------------|-----------------------------|--------------------------------|
| <b>Drg No</b> | EA1N-GEN-GIS-DRG-IBR-000039 |                                |
| <b>Rev</b>    | 1                           | Datum:<br>WGS 1984             |
| <b>Date</b>   | 05/06/2020                  | Projection:<br>UTM<br>Zone 31N |
| <b>Figure</b> | N/A                         |                                |





- East Anglia TWO Windfarm Boundary Vertex
- EA2 Export Cable Corridor Vertex
- East Anglia TWO Windfarm Boundary
- EA2 Export Cable Corridor

|  | 1   | 01/06/2020 | RB | Initial Release | Checked: HAH |
|--|-----|------------|----|-----------------|--------------|
|  | Rev | Date       | By | Comment         | Approved: AL |

|              |              |
|--------------|--------------|
| 1:180,000    | Scale @ A3   |
| Prepared: RB | Checked: HAH |
| Approved: AL |              |

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## East Anglia TWO

### East Anglia Two Offshore Windfarm And Export Cable Corridor

|               |                            |                 |
|---------------|----------------------------|-----------------|
| <b>Drg No</b> | EA2-GEN-GIS-DRG-IBR-000043 |                 |
| <b>Rev</b>    | 1                          | Datum: WGS 1984 |
| <b>Date</b>   | 05/06/2020                 | Projection: UTM |
| <b>Figure</b> | N/A                        | Zone 31N        |