

NOTICE TO MARINERS

05.07.2017

DUDGEON OFFSHORE WIND FARM CONSTRUCTION WORKS

NOTICE IS HEREBY GIVEN that construction activities are in progress at the Dudgeon Offshore Wind Farm.

Wind turbine generators will be installed until Q3 2017. All construction work is planned to be completed late 2017.

Service Operation Vessel

The ESVAGT NJORD will be performing preparation support for the operation of the wind farm and will be in regular transit between the Dudgeon site and Great Yarmouth.

Wind Turbine Generator Installation

The SEA CHALLENGER will perform installation of the wind turbine generators (WTG) from January 2017 until Q3-2017. WTG installation and commissioning work will be performed at the following locations in June - July:

| Location | Easting | Northing | Lon DD | Lat DD | Depth LAT [m] |
|-------------|---------|-----------|----------|-----------|---------------|
| Sub-Station | 391 870 | 5 902 955 | 1,378776 | 53,264808 | -21,1 |
| L01 | 391 174 | 5 901 522 | 1,368835 | 53,251789 | -21,0 |
| L02 | 391 122 | 5 900 148 | 1,368526 | 53,239433 | -19,9 |
| L03 | 391 760 | 5 899 631 | 1,378257 | 53,234918 | -20,2 |
| L04 | 392 399 | 5 899 114 | 1,388002 | 53,230402 | -21,0 |
| L05 | 393 038 | 5 898 596 | 1,397745 | 53,225877 | -20,6 |
| K01 | 392 045 | 5 902 246 | 1,381639 | 53,258473 | -21,5 |
| K02 | 391 907 | 5 900 928 | 1,380019 | 53,246602 | -21,2 |
| K03 | 392 640 | 5 900 334 | 1,391200 | 53,241413 | -20,8 |
| K04 | 393 373 | 5 899 739 | 1,402378 | 53,236214 | -21,0 |
| K05 | 393 676 | 5 898 079 | 1,407470 | 53,221359 | -21,8 |
| T01 | 392 212 | 5 903 533 | 1,383706 | 53,270071 | -21,5 |
| T02 | 392 948 | 5 902 936 | 1,394938 | 53,264856 | -22,1 |
| T03 | 394 241 | 5 900 466 | 1,415137 | 53,242920 | -21,8 |
| T04 | 394 974 | 5 899 873 | 1,426312 | 53,237737 | -22,3 |
| T05 | 394 840 | 5 898 551 | 1,424742 | 53,225832 | -21,2 |

| Location | Easting | Northing | Lon DD | Lat DD | Depth LAT [m] |
|----------|---------|-----------|----------|-----------|---------------|
| J01 | 392 777 | 5 901 653 | 1,392808 | 53,253293 | -23,1 |
| J02 | 393 509 | 5 901 060 | 1,403974 | 53,248112 | -22,5 |
| J03 | 394 107 | 5 899 145 | 1,413569 | 53,231024 | -21,7 |
| J04 | 394 315 | 5 897 562 | 1,417208 | 53,216841 | -22,3 |
| J05 | 394 954 | 5 897 045 | 1,426945 | 53,212322 | -21,2 |
| F01 | 392 353 | 5 904 837 | 1,385377 | 53,281817 | -21,7 |
| F02 | 393 254 | 5 905 526 | 1,398654 | 53,288190 | -23,2 |
| F03 | 392 649 | 5 906 016 | 1,389417 | 53,292470 | -22,8 |
| F04 | 392 044 | 5 906 506 | 1,380177 | 53,296750 | -22,4 |
| F05 | 391 439 | 5 906 996 | 1,370936 | 53,301030 | -22,0 |
| F06 | 390 834 | 5 907 486 | 1,361693 | 53,305308 | -22,3 |
| E01 | 391 477 | 5 904 129 | 1,372486 | 53,275276 | -22,2 |
| E02 | 391 619 | 5 905 431 | 1,374170 | 53,287004 | -22,4 |
| E03 | 390 886 | 5 906 025 | 1,362975 | 53,292191 | -20,7 |
| E04 | 390 153 | 5 906 619 | 1,351778 | 53,297377 | -20,6 |
| E05 | 390 229 | 5 907 976 | 1,352448 | 53,309586 | -21,5 |
| E06 | 389 624 | 5 908 466 | 1,343201 | 53,313863 | -21,1 |
| D01 | 390 741 | 5 904 726 | 1,361247 | 53,280489 | -21,7 |
| D02 | 390 006 | 5 905 323 | 1,350022 | 53,285702 | -20,9 |
| D03 | 389 271 | 5 905 920 | 1,338793 | 53,290913 | -20,1 |
| D04 | 389 420 | 5 907 213 | 1,340577 | 53,302562 | -20,2 |
| D05 | 388 971 | 5 907 930 | 1,333591 | 53,308910 | -20,3 |
| D06 | 388 265 | 5 907 463 | 1,323165 | 53,304566 | -20,3 |
| B01 | 391 313 | 5 902 840 | 1,370468 | 53,263661 | -21,5 |
| B02 | 390 441 | 5 902 117 | 1,357649 | 53,256985 | -19,9 |
| B03 | 389 708 | 5 902 711 | 1,346460 | 53,262170 | -20,5 |
| B04 | 388 975 | 5 903 306 | 1,335268 | 53,267364 | -19,3 |
| B05 | 388 041 | 5 904 311 | 1,320916 | 53,276197 | -18,2 |
| B06 | 387 985 | 5 903 523 | 1,320354 | 53,269105 | -18,2 |
| G02 | 394 465 | 5 904 546 | 1,417139 | 53,279626 | -23,6 |
| G03 | 395 070 | 5 904 056 | 1,426371 | 53,275343 | -24,3 |
| G04 | 395 675 | 5 903 566 | 1,435601 | 53,271060 | -25,1 |
| G05 | 396 281 | 5 903 077 | 1,444844 | 53,266785 | -26,4 |
| G06 | 396 225 | 5 902 259 | 1,444272 | 53,259423 | -25,6 |
| H01 | 393 086 | 5 904 243 | 1,396567 | 53,276627 | -21,4 |
| H02 | 393 820 | 5 903 649 | 1,407769 | 53,271438 | -23,5 |
| H03 | 394 553 | 5 903 055 | 1,418953 | 53,266246 | -23,9 |
| H04 | 395 287 | 5 902 461 | 1,430149 | 53,261054 | -24,4 |
| H05 | 395 204 | 5 901 199 | 1,429321 | 53,249698 | -22,5 |
| H06 | 396 170 | 5 901 440 | 1,443715 | 53,252053 | -24,5 |
| A01 | 390 483 | 5 900 665 | 1,358777 | 53,243947 | -19,5 |
| A02 | 389 845 | 5 901 183 | 1,349042 | 53,248469 | -19,6 |
| A03 | 389 206 | 5 901 700 | 1,339289 | 53,252982 | -19,0 |
| A04 | 388 568 | 5 902 218 | 1,329549 | 53,257502 | -19,2 |

| Location | Easting | Northing | Lon DD | Lat DD | Depth LAT [m] |
|----------|---------|-----------|----------|-----------|---------------|
| A05 | 387 929 | 5 902 735 | 1,319792 | 53,262013 | -18,8 |
| C01 | 390 580 | 5 903 434 | 1,359278 | 53,268847 | -20,1 |
| C02 | 389 848 | 5 904 027 | 1,348102 | 53,274024 | -19,8 |
| C03 | 389 117 | 5 904 621 | 1,336937 | 53,279209 | -19,4 |
| C04 | 388 097 | 5 905 099 | 1,321478 | 53,283289 | -19,4 |
| C05 | 388 153 | 5 905 887 | 1,322040 | 53,290382 | -19,4 |
| C06 | 388 209 | 5 906 675 | 1,322602 | 53,297474 | -20,0 |

COORDINATE REFERENCE SYSTEM:

Datum: WGS84

Projection: UTM Zone 31N

Accommodation Vessel

The VESTLAND CYGNUS will be on location until Q4-2017 as accommodation vessel for Turbine commissioning.

Commissioning activities

For the commissioning and construction work there are several Crew Transfers Vessels operating in the wind farm area on a daily basis. This activity is ongoing and will continue until commissioning completes in Q4 2017.

Guard Vessel

The RESOLUTE or the ADVENTURE will be present at the site to safe guard the wind farm area.

GENERAL

MARINERS ARE HEREBY INFORMED; that a statutory construction Safety Zone (exclusion zone) is in place at the wind farm site. This safety zone is defined by:

- A 500 metres radius around each wind turbine, offshore sub-station and their foundations whilst work is being performed as indicated by the presence of construction vessels; and
- A 50 metres radius around each wind turbine, the offshore sub-station platform and associated foundation structures installed, complete or incomplete but waiting to be commissioned as part of the Dudgeon offshore wind farm where personnel are present on, or are being landed on or being taken from the structures.

All vessels will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea.

ALL VESSELS ARE REQUESTED to give all construction and support vessels a wide berth.

MARINERS ARE ADVISED to navigate with caution and keep continued watch on VHF Ch. 16 when navigating the area.

A further notice to mariners will be issued when these works are completed, expected autumn 2017.

Please direct any enquiries regarding this notice to Statoil Wind Control Centre: statoilwindcontrol@statoil.com

A copy of this notice can also be found at:

<http://dudgeonoffshorewind.co.uk/news/notice-to-mariners>

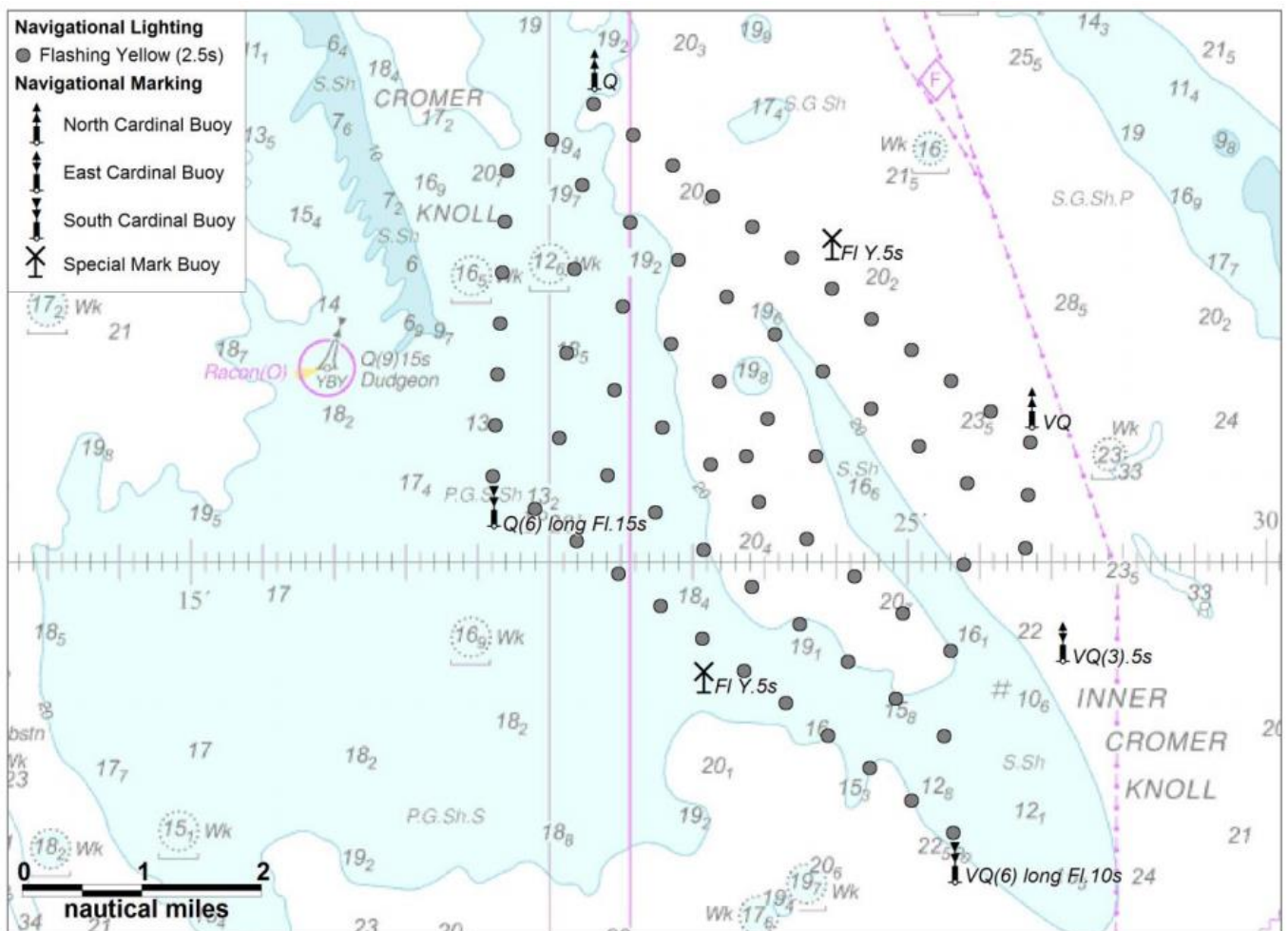
Fishing

The Dudgeon Wind Farm area is closed to fishing. The coordinates for the area of the closed area are included below.

SITE DETAILS

Position of Navigation Buoys demarcating the Dudgeon Offshore Wind Farm site

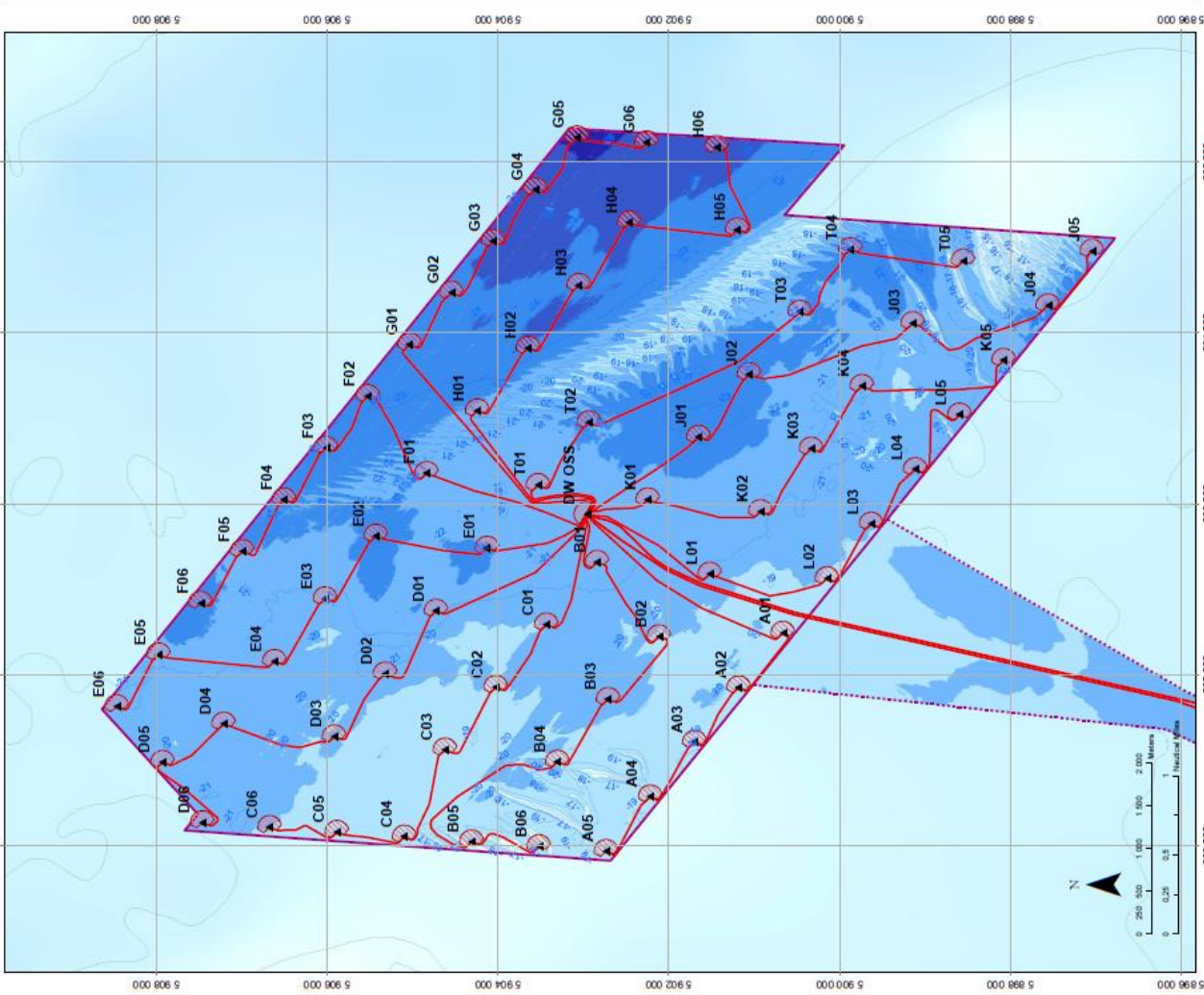
| Mark | Location | Name | Latitude | Longitude | Status | Flash Character | Code | Range |
|----------------|---------------------|---------------------|---------------|--------------|------------------|-------------------|------|-------|
| North Cardinal | NW Cardinal | N-DOW | 53° 19,102' N | 1° 20,592' E | Temporary | Q | 601 | 5nm |
| Special Mark | Special Mark North | DOW - SM - N | 53° 17,631' N | 1° 23,919' E | Temporary | Fl.Y.5s | 328 | 5nm |
| North Cardinal | North East Cardinal | NE - DOW | 53° 16,277' N | 1° 26,691' E | Temporary | VQ | 501 | 5nm |
| East Cardinal | East Cardinal | E- DOW | 53° 14,320' N | 1° 27,123' E | Temporary | VQ(3).5s | 508 | 5nm |
| South Cardinal | SE Cardinal | S - DUDGEON | 53° 12,470' N | 1° 25,617' E | Permanent | VQ(6) long Fl.10s | 516 | 5nm |
| Special Mark | Special Mark South | DOW - SM - S | 53° 14,012' N | 1° 22,132' E | Temporary | Fl.Y.5s | 328 | 5nm |
| South Cardinal | SW Cardinal | SW - DOW | 53° 15,451' N | 1° 19,188' E | Temporary | Q(6) long Fl.15s | 631 | 5nm |



WTG ID and locations (coordinates)

WTG and Substation Locations

| WTG ID | Easting | Northing | Lon DD | Lat DD | Depth | WTG ID | Easting | Northing | Lon DD | Lat DD | Depth |
|--------|----------|----------|----------|-----------|-------|----------|----------|----------|----------|-----------|-------|
| A01 | 380483.0 | 500066.0 | 1.38777 | 53.243947 | -18.5 | F06 | 380834.0 | 500749.0 | 1.381683 | 53.305308 | -22.3 |
| A02 | 388945.0 | 501153.0 | 1.34042 | 53.248469 | -18.6 | G01 | 388880.0 | 500350.0 | 1.407890 | 53.253908 | -23.6 |
| A03 | 388206.0 | 500218.0 | 1.336289 | 53.252862 | -18.2 | G02 | 384465.0 | 500646.0 | 1.417139 | 53.279238 | -23.6 |
| A04 | 388588.0 | 500278.0 | 1.328549 | 53.257502 | -18.2 | G03 | 388070.0 | 500450.0 | 1.426871 | 53.275343 | -24.3 |
| A05 | 387628.0 | 500262.0 | 1.318782 | 53.262013 | -18.6 | G04 | 388675.0 | 500350.0 | 1.426871 | 53.271069 | -25.1 |
| A06 | 391131.0 | 500947.0 | 1.327568 | 53.266983 | -21.5 | G05 | 388251.0 | 500257.0 | 1.444272 | 53.266183 | -20.4 |
| A07 | 390789.0 | 500711.0 | 1.346480 | 53.258170 | -19.6 | H01 | 389280.0 | 500430.0 | 1.396567 | 53.276937 | -21.0 |
| A08 | 389075.0 | 500338.0 | 1.336289 | 53.263784 | -19.3 | H02 | 389320.0 | 500380.0 | 1.407789 | 53.271438 | -23.5 |
| A09 | 388941.0 | 500431.0 | 1.320918 | 53.278107 | -18.2 | H03 | 384653.0 | 500365.0 | 1.418863 | 53.282448 | -23.9 |
| A10 | 387685.0 | 500362.0 | 1.320254 | 53.289105 | -18.2 | H04 | 385287.0 | 500461.0 | 1.430149 | 53.281054 | -24.4 |
| B01 | 390580.0 | 500344.0 | 1.350278 | 53.289105 | -18.2 | H05 | 385204.0 | 500189.0 | 1.428321 | 53.249688 | -22.5 |
| B02 | 388548.0 | 500427.0 | 1.348102 | 53.274024 | -18.8 | H06 | 390170.0 | 500144.0 | 1.443716 | 53.250563 | -24.5 |
| C01 | 389117.0 | 500462.0 | 1.336837 | 53.279208 | -18.4 | T01 | 382212.0 | 500363.0 | 1.383706 | 53.270071 | -21.5 |
| C02 | 388807.0 | 500599.0 | 1.321478 | 53.283289 | -18.4 | T02 | 382248.0 | 500390.0 | 1.384638 | 53.284869 | -22.1 |
| C03 | 388153.0 | 500687.0 | 1.322602 | 53.293747 | -20.0 | T03 | 384241.0 | 500460.0 | 1.416137 | 53.242920 | -21.8 |
| C04 | 388200.0 | 500676.0 | 1.321247 | 53.297474 | -21.7 | T04 | 384674.0 | 500873.0 | 1.428312 | 53.237737 | -22.3 |
| C05 | 390741.0 | 500472.0 | 1.351247 | 53.287022 | -20.9 | T05 | 384940.0 | 500855.0 | 1.424742 | 53.225832 | -21.2 |
| C06 | 389006.0 | 500523.0 | 1.350222 | 53.285702 | -20.9 | J01 | 382777.0 | 500165.0 | 1.362808 | 53.253393 | -23.1 |
| D01 | 389271.0 | 500520.0 | 1.338783 | 53.290913 | -20.2 | J02 | 383509.0 | 500100.0 | 1.403974 | 53.248112 | -22.5 |
| D02 | 389420.0 | 500713.0 | 1.340577 | 53.302562 | -20.2 | J03 | 384107.0 | 500145.0 | 1.413569 | 53.231024 | -21.7 |
| D03 | 388871.0 | 500790.0 | 1.333591 | 53.308910 | -20.3 | J04 | 384315.0 | 500765.0 | 1.417208 | 53.216941 | -22.3 |
| D04 | 388265.0 | 500746.0 | 1.323165 | 53.304596 | -20.3 | J05 | 384654.0 | 500704.0 | 1.420845 | 53.212322 | -21.2 |
| D05 | 391477.0 | 500412.0 | 1.374178 | 53.275276 | -22.2 | K01 | 382045.0 | 500246.0 | 1.381639 | 53.259473 | -21.5 |
| D06 | 391610.0 | 500431.0 | 1.374178 | 53.281014 | -20.7 | K02 | 381807.0 | 500093.0 | 1.381018 | 53.246002 | -21.2 |
| E01 | 389889.0 | 500025.0 | 1.329275 | 53.282181 | -20.7 | K03 | 382940.0 | 500028.0 | 1.381018 | 53.241413 | -20.8 |
| E02 | 390153.0 | 500181.0 | 1.351778 | 53.297377 | -20.6 | K04 | 389373.0 | 500730.0 | 1.402378 | 53.236214 | -21.0 |
| E03 | 389028.0 | 500791.0 | 1.324448 | 53.306686 | -21.5 | K05 | 388675.0 | 500079.0 | 1.404770 | 53.221389 | -21.8 |
| E04 | 388624.0 | 500946.0 | 1.343201 | 53.313883 | -21.1 | L01 | 381174.0 | 500152.0 | 1.368836 | 53.251789 | -21.0 |
| E05 | 382353.0 | 500465.0 | 1.356377 | 53.281817 | -21.7 | L02 | 381122.0 | 500146.0 | 1.368836 | 53.239433 | -18.9 |
| E06 | 389252.0 | 500520.0 | 1.358917 | 53.288160 | -23.2 | L03 | 381700.0 | 500663.0 | 1.382657 | 53.249618 | -20.2 |
| F01 | 389252.0 | 500520.0 | 1.358917 | 53.288160 | -23.2 | L04 | 381700.0 | 500663.0 | 1.382657 | 53.249618 | -20.2 |
| F02 | 389252.0 | 500520.0 | 1.358917 | 53.288160 | -23.2 | L05 | 383038.0 | 500659.0 | 1.387245 | 53.23577 | -21.0 |
| F03 | 389252.0 | 500520.0 | 1.358917 | 53.288160 | -23.2 | Sub St | 381870.0 | 500265.0 | 1.378776 | 53.284608 | -21.1 |
| F04 | 389252.0 | 500520.0 | 1.358917 | 53.288160 | -23.2 | (OW COS) | | | | | |
| F05 | 381430.0 | 500896.0 | 1.370638 | 53.301030 | -22.0 | | | | | | |



KEY CONSTRUCTION VESSEL CONTACT DETAILS

ESVAGT NJORD



Call sign: OWZN2

Bridge Phone: VSAT.TEL: +45 32 71 26 89; / GSM: +45 32 71 26 85

E-mail: njord@esvagtvesel.com

SEA CHALLENGER



Call sign: OWLQ2

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VESTLAND CYGNUS



Callsign: C6BW7

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E-mail : captain.cygnus@vestlandoffshore.no ; bridge.cygnus@vestlandoffshore.no

ADVENTURE



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Resolute



Callsign: MLPD5

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Advance WY77



Callsign: MZNA6

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