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

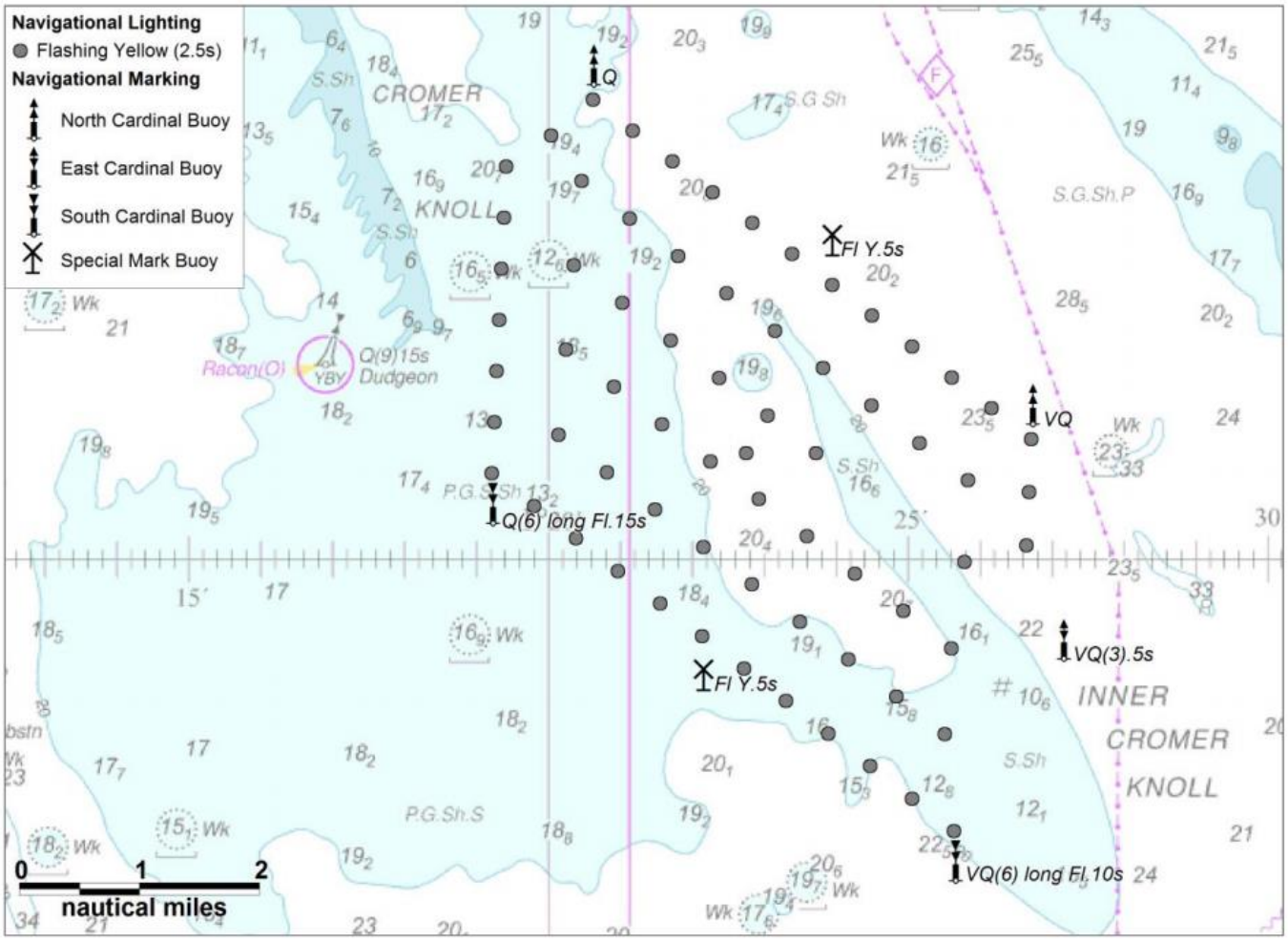
Fishing

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

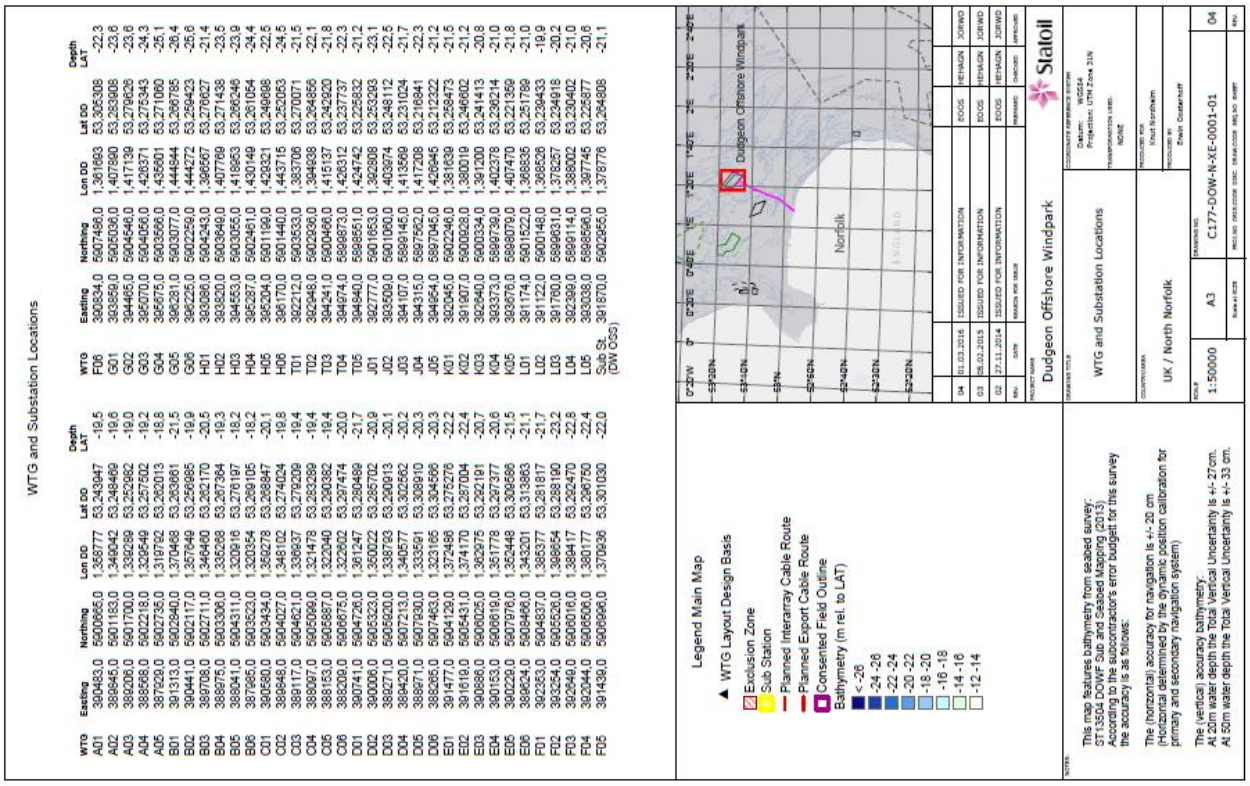
SITE DETAILS

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

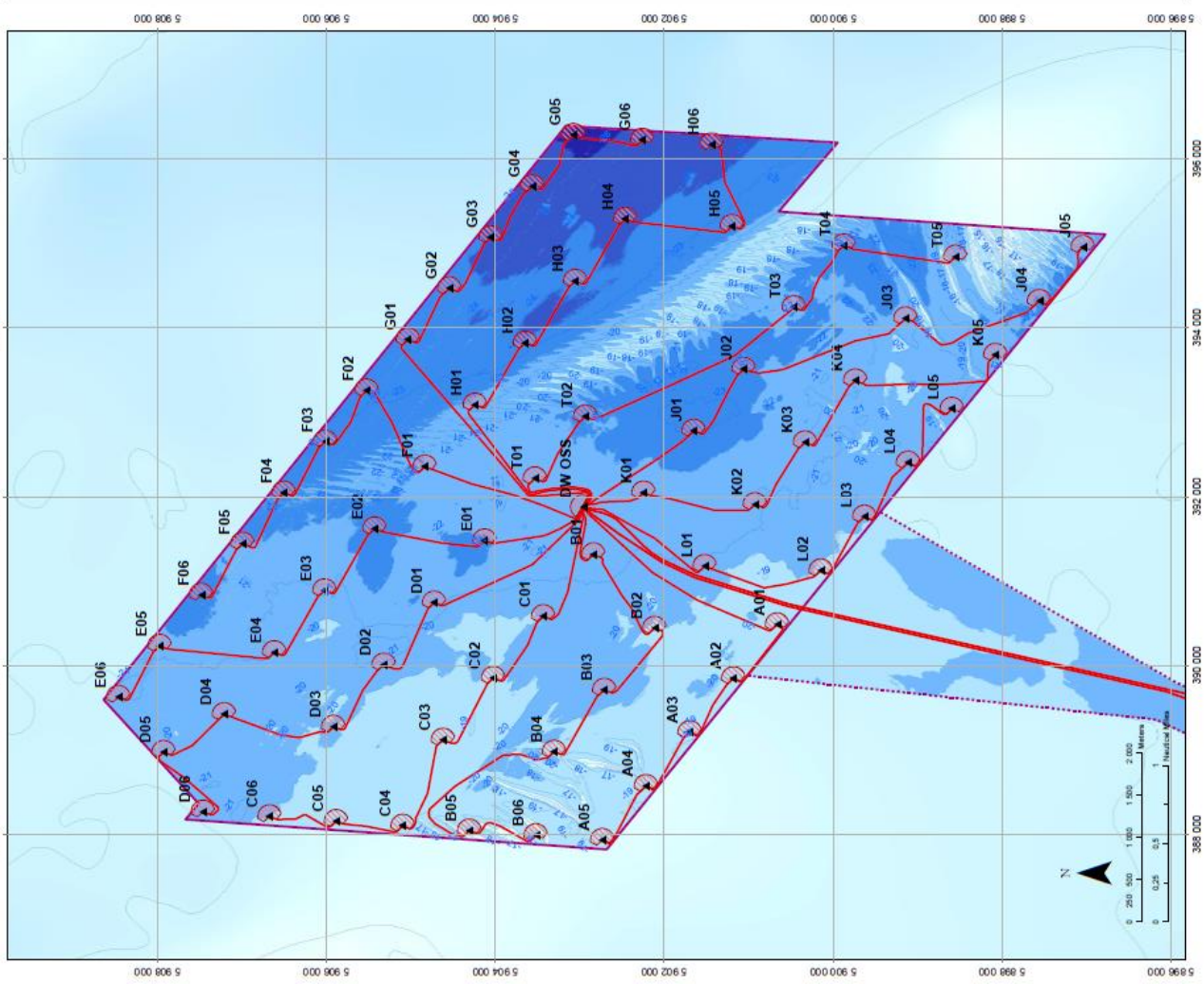


WTG ID and locations (coordinates)



WTG and Substation Locations

WTG	Easting	Northing	Lon DD	Lat DD	Depth LAT
A01	390483.0	6000665.0	1.356777	53.2433047	-19.5
A02	389845.0	6001153.0	1.3460042	53.2484469	-19.6
A03	389206.0	6001700.0	1.3362089	53.2529862	-19.0
A04	388568.0	6002218.0	1.3265549	53.2576502	-19.2
A05	387929.0	6002735.0	1.3169792	53.2623013	-18.8
B01	391313.0	6002940.0	1.3719468	53.2639861	-21.5
B02	390441.0	6002717.0	1.3578449	53.2656865	-19.9
B03	389708.0	6002711.0	1.3464460	53.2652170	-20.5
B04	388975.0	6003306.0	1.3356288	53.2673364	-19.3
B05	388041.0	6004311.0	1.3209916	53.2763197	-18.2
B06	387985.0	6003523.0	1.3203554	53.2691105	-18.2
C01	390580.0	6003434.0	1.3592278	53.2688847	-20.1
C02	389848.0	6004027.0	1.3481102	53.2740224	-19.8
C03	389117.0	6004621.0	1.3368937	53.2792099	-19.4
C04	388097.0	6005099.0	1.3214778	53.2832389	-19.4
C05	388153.0	6005887.0	1.3220040	53.2903382	-19.4
C06	388209.0	6006675.0	1.3225602	53.2974474	-20.0
D01	390741.0	6004726.0	1.3612478	53.2804489	-21.7
D02	390006.0	6005323.0	1.3500222	53.2857702	-20.9
D03	389271.0	6005920.0	1.3387783	53.2909913	-20.1
D04	389420.0	6007213.0	1.3405577	53.3022562	-20.2
D05	388971.0	6007930.0	1.3335591	53.3089910	-20.3
D06	388265.0	6007483.0	1.3232165	53.3045666	-20.3
E01	391477.0	6004129.0	1.3724986	53.2762276	-22.2
E02	391619.0	6005431.0	1.3741170	53.2879004	-22.4
E03	390886.0	6006025.0	1.3629275	53.2932191	-20.7
E04	390153.0	6006619.0	1.3517758	53.2987377	-20.6
E05	389229.0	6007076.0	1.3524448	53.3026586	-21.5
E06	388524.0	6006466.0	1.3423201	53.3133863	-21.1
F01	392383.0	6004837.0	1.3883777	53.2818817	-21.7
F02	392354.0	6005526.0	1.3986654	53.2881190	-23.2
F03	392649.0	6006016.0	1.3884417	53.2924470	-22.8
F04	392044.0	6006506.0	1.3801777	53.2967750	-22.4
F05	391439.0	6006996.0	1.3709136	53.3011030	-22.0
G01	393850.0	6005036.0	1.4079901	53.2839308	-23.6
G02	394465.0	6004546.0	1.4171739	53.2796626	-23.6
G03	395070.0	6004056.0	1.4263371	53.2753743	-24.3
G04	395675.0	6003566.0	1.4356801	53.2710960	-25.1
G05	396281.0	6003077.0	1.4449244	53.2668785	-26.4
G06	396225.0	6002259.0	1.4447272	53.2594423	-25.6
H01	393086.0	6004243.0	1.3966567	53.2766627	-21.4
H02	393820.0	6003649.0	1.4077697	53.2713438	-23.5
H03	394553.0	6003055.0	1.4188953	53.2660246	-23.9
H04	395287.0	6002461.0	1.4301449	53.2610654	-24.4
H05	395204.0	6001199.0	1.4293321	53.2496698	-22.5
H06	396170.0	6001440.0	1.4433715	53.2520063	-24.5
T01	392212.0	6003533.0	1.3837706	53.2700071	-21.5
T02	392946.0	6002936.0	1.3948938	53.2648856	-22.1
T03	393241.0	6002486.0	1.4151137	53.2429220	-21.8
T04	394674.0	6004312.0	1.4263312	53.2377737	-22.3
T05	394940.0	5998851.0	1.4247142	53.2228832	-21.2
J01	392777.0	6001653.0	1.3928088	53.2532283	-23.1
J02	393609.0	6001060.0	1.4039874	53.2481112	-22.5
J03	394107.0	5999145.0	1.4133569	53.2310124	-21.7
J04	394315.0	5997562.0	1.4172085	53.2169841	-22.3
J05	394654.0	5997045.0	1.4236945	53.2123322	-21.2
K01	392045.0	6002246.0	1.3816839	53.2358473	-21.5
K02	391907.0	6000828.0	1.3800019	53.2246602	-21.2
K03	392640.0	6000334.0	1.3912000	53.2241413	-20.8
K04	393370.0	5999739.0	1.4023778	53.2382214	-21.0
K05	394078.0	5998079.0	1.4074700	53.2221369	-21.8
L01	391174.0	5998562.0	1.3888836	53.2517788	-21.0
L02	391922.0	5998148.0	1.3988226	53.2384433	-19.9
L03	391760.0	5998631.0	1.3978257	53.2349918	-20.2
L04	392396.0	5998114.0	1.3886002	53.2304402	-21.0
L05	393038.0	5998596.0	1.3977445	53.2258877	-20.6
Sub St. (DW OSS)	391670.0	6002955.0	1.3787776	53.2648808	-21.1



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@esvagtvessel.com

SEA CHALLENGER

Call sign: OWLQ2
Bridge Phone: V-sat: +45 89 88 90 10
Master phone: vsat +45 89 88 90 11 / GSM +45 52 13 95 80
E-mail: seachallenger@a2sea.com / Master mast_sc@a2sea.com

VESTLAND CYGNUS

Callsign: C6BW7
Bridge Phone: **VSAT.TEL: +4723677230; +4723677230 / GSM: +47 41 43 02 07**
E**-mail : captain.cygnus@vestlandoffshore.no** ; bridge.cygnus@vestlandoffshore.no

ADVENTURE

Callsign: 2IFE4
Bridge Phone: V-sat 01947750717
E-mail: adventureGS@gmail.com / adventure.guard1@gmail.com

Resolute

Callsign: MLPD5
Bridge Phone: +44 284 179 8209
E-mail: resolute.guard1@gmail.com

Advance WY77

Callsign: MZNA6
Bridge Phone: Sat. Phone: 00870773231090/01947 240024
E-mail: adventureGS@gmail.com