

Notice to Mariners

Exclusion zones around Confirmed Unexploded Ordnance (cUXOs) and Acoustics Research Units (ARUs) locations

Moray West Offshore Wind Farm

Issue date	29/05/2023
Version	08
Activity	Exclusion zones around cUXOs confirmed during ID Works

Revision History

Version	Issue Date	Status	Updates
01	29 March 2023	Final	First Issue
02	05 April 2023	Final	Second Issue. Table 1 updated
03	13 April 2023	Final	Third Issue. Table 1 updated
04	21 April 2023	Final	Forth Issue. Table 1 updated
05	28 April 2023	Final	Fifth Issue. Table 1 updated
06	05 May 2023	Final	Sixth Issue. Table 1 updated
07	12 May 2023	Final	Seventh Issue. Table 1 updated. ARU locations added
08	29 May 2023	Final	Eighth Issues. No changes. Just Date updated

1. Introduction

This notice to mariners is to inform the exclusion zones around unexploded ordnance confirmed (cUXOs) during the unexploded ordnance (pUXO) investigation being carried out by Moray Offshore Windfarm (West) Limited (Moray West) . The ordnance disposal works are ongoing and done from a vessel at the Moray West Offshore Wind Farm site and Export Cable Corridor.

The Moray West site is located on the Smith Bank in the Outer Moray Firth, approximately 22.5km from the Caithness coastline. The offshore wind farm site covers an area of approximately 225km². The offshore wind farm site is given in Figure 1:

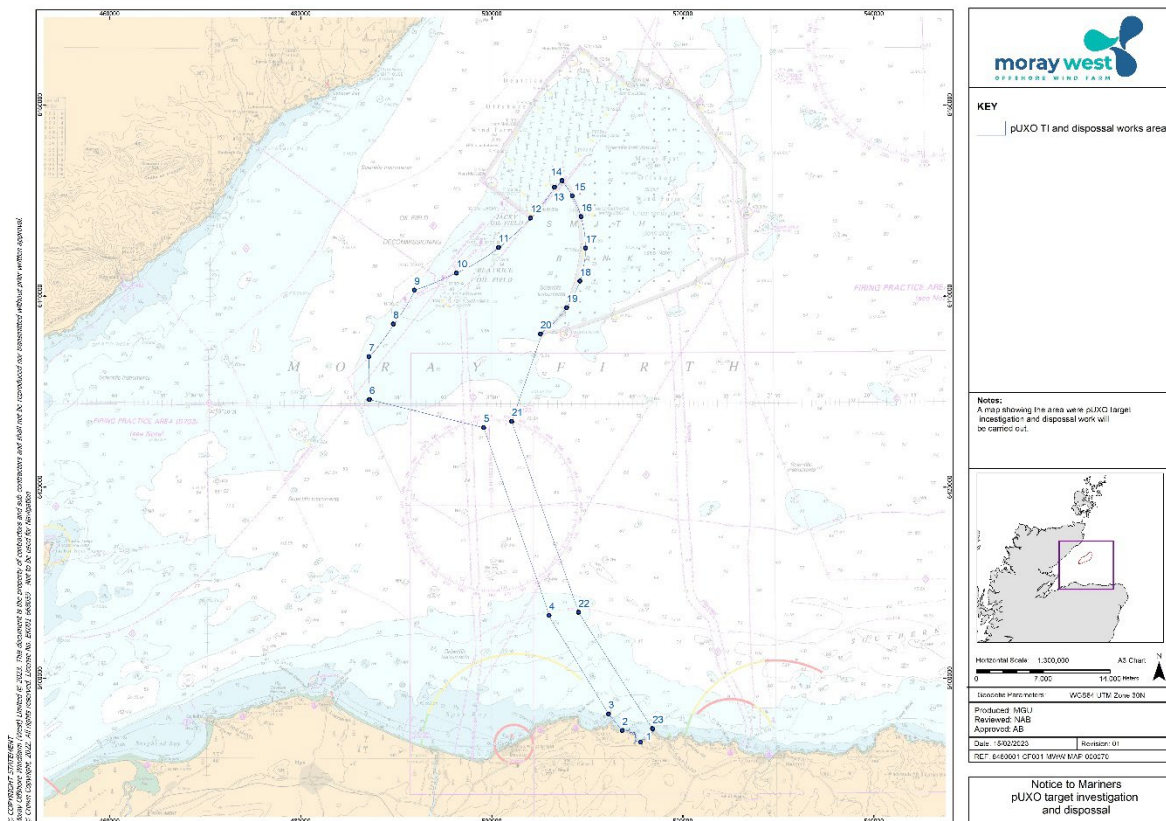


Figure 1. Moray West Wind Farm Site. Location of the works

The vessel works are to take place within the blue boundary shown in the figure above.

The vessel is expected to continue disposal operations until the 15th August 2023.

2. Exclusion zones around cUXO- Offshore pUXO ID phase

During the now completed inspection of potential UXO targets, a total of 81 targets have been confirmed as UXO.

The coordinates of the remaining confirmed Ordenance (cUXO) and their associated exclusion zone radius around them are presented in the bellow Table 1 (these cUXOs and exclusion zones are also presented in Figure 2):

Table 1. Coordinates of the confirmed UXOs and exclusion zones.

Confirmation date	Coordinates of the confirmed UXOs and exclusion zones					Exclusion Zone
	cUXO ID	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude	
21/03/2023	100	493432.00	6434175.00	58° 02.9422' N	003° 06.6761' W	300m
21/03/2023	106	504035.85	6440138.51	58° 06.1581' N	002° 55.8915' W	300m
21/03/2023	112	503994.99	6440571.56	58° 06.3915' N	002° 55.9327' W	300m
21/03/2023	214	503827.96	6440598.33	58° 06.4056' N	002° 56.1027' W	300m
24/03/2023	126	489964.82	6432255.91	58° 01.9041' N	003° 10.1955' W	300m
24/03/2023	125	489926.24	6432241.00	58° 01.8960' N	003° 10.2346' W	300m
24/03/2023	124	489847.37	6432254.68	58° 01.9034' N	003° 10.3147' W	300m
25/03/2023	122	489751.65	6432263.18	58° 01.9076' N	003° 10.4120' W	300m
25/03/2023	123	489783.72	6432233.70	58° 01.8920' N	003° 10.3794' W	300m
25/03/2023	120	489669.30	6432249.67	58° 01.9005' N	003° 10.4957' W	300m
25/03/2023	119	489551.63	6432291.41	58° 01.9224' N	003° 10.6154' W	300m
25/03/2023	121	489693.29	6432278.50	58° 01.9162' N	003° 10.4714' W	300m
25/03/2023	113	489128.76	6431976.92	58° 01.7526' N	003° 11.0440' W	300m
26/03/2023	114	489131.01	6431924.05	58° 01.7240' N	003° 11.0417' W	300m
26/03/2023	115	489150.64	6431603.80	58° 01.5516' N	003° 11.0209' W	300m
26/03/2023	116	489154.62	6431121.82	58° 01.2919' N	003° 11.0155' W	300m
26/03/2023	117	489177.87	6430101.76	58° 00.7422' N	003° 10.9890' W	300m
26/03/2023	145	492084.53	6431227.72	58° 01.3527' N	003° 08.0398' W	300m
26/03/2023	144	492057.43	6431320.12	58° 01.4022' N	003° 08.0676' W	300m
26/03/2023	147	492222.00	6431391.29	58° 01.4407' N	003° 07.9005' W	300m
27/03/2023	149	492778.03	6431743.56	58° 01.6315' N	003° 07.3364' W	300m
27/03/2023	143	492031.59	6432376.23	58° 01.9713' N	003° 08.0959' W	300m
27/03/2023	136	491956.40	6432666.15	58° 02.1275' N	003° 08.1729' W	300m
27/03/2023	137	491961.96	6432746.09	58° 02.1706' N	003° 08.1674' W	300m
27/03/2023	146	492082.67	6433315.29	58° 02.4774' N	003° 08.0459' W	300m
27/03/2023	130	491818.82	6433356.80	58° 02.4998' N	003° 08.3142' W	150m
27/03/2023	129	491220.38	6433844.98	58° 02.7621' N	003° 08.9234' W	300m
27/03/2023	138	492003.62	6434262.50	58° 02.9882' N	003° 08.1282' W	300m
27/03/2023	131	491821.50	6434417.90	58° 03.0716' N	003° 08.3136' W	300m
28/03/2023	134	491919.91	6434545.02	58° 03.1401' N	003° 08.2139' W	300m
28/03/2023	142	492030.87	6434560.59	58° 03.1488' N	003° 08.1011' W	300m
28/03/2023	150	492974.21	6435315.82	58° 03.5566' N	003° 07.1435' W	300m

29/03/2023	160	493991.83	6435165.24	58° 03.4763' N	003° 06.1086' W	300m
29/03/2023	158	493863.95	6435017.18	58° 03.3964' N	003° 06.2384' W	300m
29/03/2023	156	493857.71	6434723.12	58° 03.2380' N	003° 06.2443' W	300m
29/03/2023	157	493862.45	6434708.49	58° 03.2301' N	003° 06.2394' W	300m
29/03/2023	161	494272.65	6434117.20	58° 02.9118' N	003° 05.8215' W	300m
29/03/2023	162	494659.91	6433418.17	58° 02.5353' N	003° 05.4270' W	300m
31/03/2023	174	494881.34	6434424.34	58° 03.0766' N	003° 05.2050' W	300m
31/03/2023	172	494841.87	6434381.49	58° 03.0546' N	003° 05.2433' W	300m
01/04/2023	188	499503.87	6438860.72	58° 05.4703' N	003° 00.5049' W	300m
01/04/2023	186	499043.54	6438358.18	58° 05.1994' N	003° 00.9732' W	300m
01/04/2023	190	499543.24	6437153.80	58° 04.5504' N	003° 00.4646' W	300m
02/04/2023	185	498923.45	6436678.08	58° 04.2940' N	003° 01.0950' W	300m
02/04/2023	167	494766.46	6438033.21	58° 05.0225' N	003° 05.3248' W	300m
03/04/2023	152	493294.30	6437733.51	58° 04.8598' N	003° 06.8222' W	300m
03/04/2023	141	492028.24	6437881.69	58° 04.9384' N	003° 08.1105' W	300m
03/04/2023	132	491845.15	6438977.19	58° 05.5286' N	003° 08.2991' W	500m
04/04/2023	220	505166.82	6437683.98	58° 04.8344' N	002° 54.7435' W	300m
04/04/2023	198	500981.22	6440013.11	58° 06.0913' N	002° 59.0012' W	300m
05/04/2023	210	502552.86	6440021.62	58° 06.0955' N	002° 57.4013' W	300m
06/04/2023	207	502510.93	6444337.77	58° 08.4216' N	002° 57.4412' W	300m
07/04/2023	230	505838.80	6442192.86	58° 07.2638' N	002° 54.0531' W	300m
07/04/2023	226	505698.30	6442166.44	58° 07.2496' N	002° 54.1963' W	300m
07/04/2023	228	505713.05	6442178.24	58° 07.2560' N	002° 54.1812' W	300m
07/04/2023	224	505662.81	6442152.68	58° 07.2422' N	002° 54.2324' W	300m
07/04/2023	223	505454.86	6442193.20	58° 07.2642' N	002° 54.4442' W	300m
07/04/2023	222	505355.27	6442128.65	58° 07.2295' N	002° 54.5457' W	300m
08/04/2023	217	503898.94	6441198.40	58° 06.7291' N	002° 56.0299' W	300m
08/04/2023	243	494821.42	6436734.74	58° 04.3228' N	003° 05.2672' W	300m
10/04/2023	140	492020.38	6435431.28	58° 03.6178' N	003° 08.1135' W	300m
10/04/2023	239	491896.57	6434445.72	58° 03.0866' N	003° 08.2374' W	300m
10/04/2023	240	491872.33	6434340.37	58° 03.0298' N	003° 08.2618' W	300m
10/04/2023	241	491934.78	6434326.42	58° 03.0223' N	003° 08.1983' W	300m
10/04/2023	242	491872.15	6434193.49	58° 02.9506' N	003° 08.2617' W	300m
11/04/2023	238	491861.11	6432357.04	58° 01.9609' N	003° 08.2691' W	300m
11/04/2023	237	492078.73	6431313.81	58° 01.3989' N	003° 08.0459' W	300m
11/04/2023	118	489280.12	6430147.60	58° 00.7669' N	003° 10.8853' W	300m

Acoustics Research Units (ARUs) have been deployed and left on site. The coordinates of the Acoustics Research Units (ARUs) are presented in the bellow Table 2 (these ARU locations are also presented in Figure 2):

Table 2. Coordinates of the Acoustics research units (ARUs).

Coordinates of the Acoustics Research Units (ARUs)				
Monitoring Distance	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude
1km	502950.33	6440085.50	58° 06.130' N	002° 56.997' W
5km	498968.65	6439739.79	58° 05.944' N	003° 01.050' W
10km	493974.83	6439488.59	58° 05.806' N	003° 06.133' W

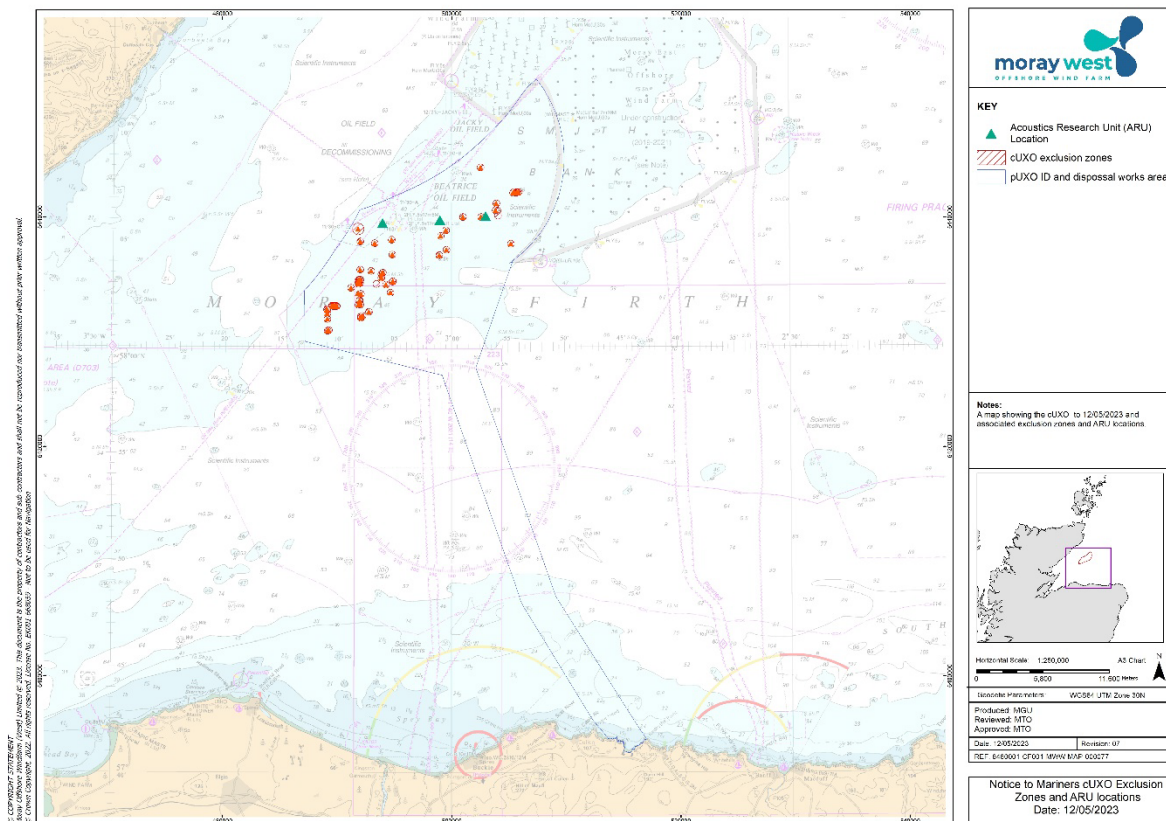


Figure 2. Moray West Wind Farm Site. Location of cUXOs and associated exclusion zones and ARUs

3. Vessel Information

Both the identification of pUXO and their disposal (if required) is being carried out by the survey vessel Glomar Wave.

Table 2. Glomar Wave General Information

Vessel Name	Glomar Wave
MMSI Number	356301000
Operating Company	Glomar Offshore
Vessel Call Sign	3FXF4
Vessel Phone Number	Ships Mob.: +31647982706 V-SAT: 00 31 223705020 Fleet One: +870773948919
Vessel Email Address	bridge@glomarwave.com



Figure 2. Glomar Wave – photo of the vessel

4. Developer Contacts Details

Enquiries regarding the contents of this Notice to Mariners should be directed to Moray West team (contact details below).

For fisheries related matters, please contact the Fishery Manager, using the contact details provided below:

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Moray West Marine Coordination

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