

# NOTICE TO MARINERS

## №53 – 2022

## PORT OF LIVERPOOL

### LIVERPOOL BAY – TOWED STREAMER SEISMIC SURVEY

NOTICE IS HEREBY GIVEN that a towed streamer seismic survey is being undertaken in Liverpool Bay by the vessel *SW Bly*. Details of the *SW Bly*, its towed streamer and support vessels are supplied in the accompanying notice issued by Shearwater GeoServices Limited.

All going well, on 5 May and 6 May 2022, the *SW Bly* will survey an area of Liverpool Bay that is immediately to the north of the Port Limits, with survey lines running in an easterly direction. The *SW Bly* will encroach into the Port Limits at the eastern end of certain survey lines when the vessel turns to port to head in a north-north-easterly direction, prior to commencing a survey line running in a westerly direction.

The encroachment into the Port Limits will be in the vicinity of Jordans Spit west cardinal mark, as depicted on the accompanying “Shooting Plan”.

The *SW Bly* is restricted in its ability to manoeuvre, and all vessels must maintain a suitable distance from this vessel and its towed streamer.

This Notice will remain in force until completion of the survey lines detailed in the “Shooting Plan”

**Towed Streamer Seismic Survey – Hamilton North, Liverpool Bay**

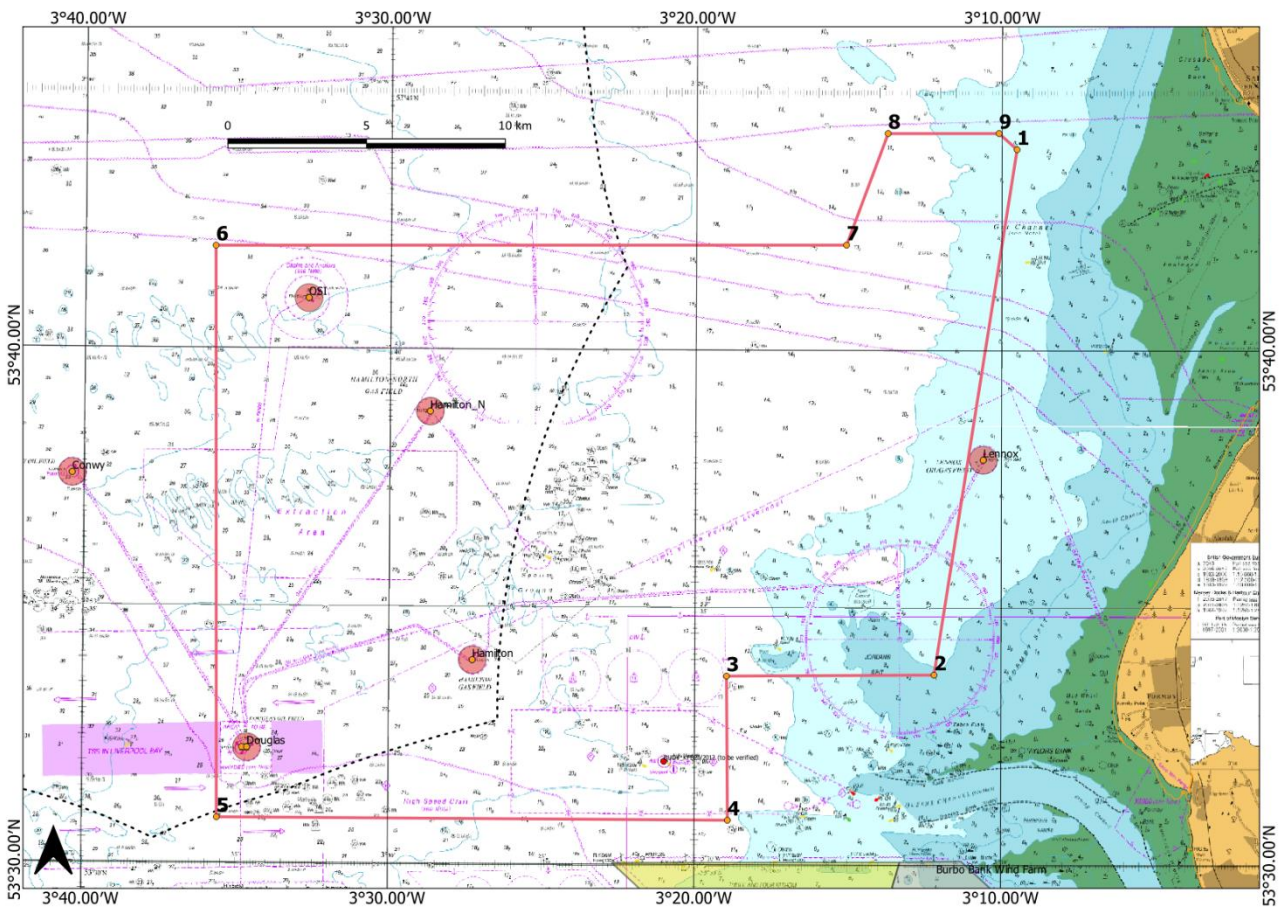
**Notice to Mariners**

**1. Activity**

A 3D Seismic Survey will be carried out in the Liverpool Bay area of the Eastern Irish Sea.

Survey operations will be centered around the area of the ‘Hamilton and Lennox gas fields’ and will be carried out by the Seismic Survey Vessel ‘SW BLY’ supported on site by the support vessel ‘OCEAN DON’ and the Scout / Guard vessels ‘LADY HELEN’ and ‘JULIA ANNE’.

The extent of the Working Area around Hamilton and Lennox is shown in Figure 1.



1	53°43.909'N	003°09.506'W
2	53°33.694'N	003°12.184'W
3	53°33.660'N	003°18.962'W
4	53°30.859'N	003°18.912'W
5	53°30.863'N	003°35.589'W
6	53°41.973'N	003°35.751'W
7	53°42.046'N	003°15.088'W
8	53°44.217'N	003°13.737'W
9	53°44.223'N	003°10.098'W
CRS:	WGS84	

**Figure 1: Hamilton and Lennox Working Area (WGS84)**

## 2. Dates

Operations in this area are expected to take place:

Start Date: 5<sup>th</sup> May 2022

Estimated Completion Date: 15<sup>th</sup> June 2022

## 3. Safe Clearances, Navigation Features and Safety Notes for Mariners

At all times while on-site the survey vessel 'SW BLY' will be operating as a vessel of 'RESTRICTED MANOEUVRABILITY' towing FOUR submerged seismic cables at a length of 1.2 Nautical Miles astern.

A clearance of 1 Nautical Mile is requested across the bow and down both sides and a clearance of 2 Nautical Miles across the stern of the vessel.


SW BLY will display appropriate lights and shapes while surveying.

The vessel and front and tail of the outer seismic cables will be marked by AIS.


The tailbuoys are yellow and have a flashing light and radar reflector

An Offshore Fisheries Liaison Officer will be present on the SW BLY.




## 4. Vessel and Towed Equipment Details



### SW Bly: Seismic vessel towing 4 cables of 1.2 nm



Support & Guard vessels

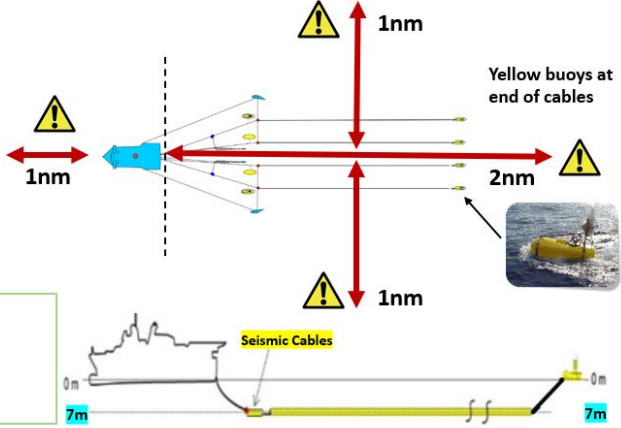
Ocean Don [MEIT3]    Lady Helen [MMUL3]    Julia Anne [MNNMY]

Vessel Name	SW Bly
Vessel Type	Seismic Survey Vessel
Call Sign	C6ZD3
IMO No.	9610171
MMSI	311052800
Tel.	+47 23 67 52 00

**Seismic Vessel SW Bly** call sign **C6ZD3** on VHF Channel 16 & 68

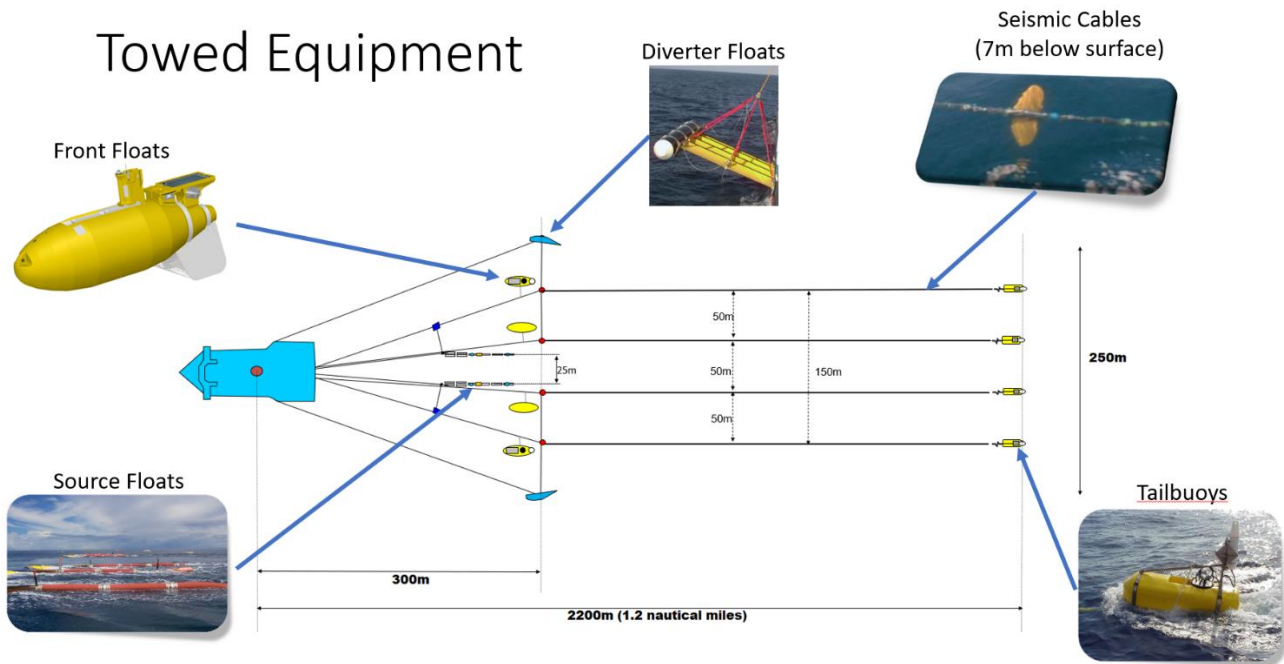
All vessels must maintain a minimum distance of:

- 1nm ahead of **Seismic Vessel**
- 1nm either port / starboard side of **Seismic Vessel**
- 2nm astern of **Seismic Vessel**



Yellow buoys at end of cables

## Towed Equipment



### 5. Shearwater – Emergency Contact Details

Andrew Thompson (Operations Manager)

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SW Bly Master

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SW Bly Party Manager

+47 23 67 52 04 [blypm@shearwatergeo.com](mailto:blypm@shearwatergeo.com)

Tom Watson (Onshore Fishing Industry Rep.)

+44 7903 173624 [tomwatsonfleetwood@btinternet.com](mailto:tomwatsonfleetwood@btinternet.com)

# Shooting Plan 5\_May\_2022\_v02



**Client:** ENI UK LIMITED  
**Area:** Liverpool Bay  
**Survey Type:** 4 STREAMER DUAL SOURCE  
**Projection:** UTM zone 30N

**Vessel:** SW Bly  
**Job No:** 3152  
**Report Time:** 2022-05-04 20:56:33 (UTC)  
**Datum:** European Datum 1950

### Plan Summary

(From current vessel position)

	Production	Line Change	Total
<b>Distance</b>	126.144 km	208.129 km	334.273 km
<b>Duration</b>	16h, 44 min	25h, 33 min	42h, 17 min

Seq	Line	Dir	Length	Duration	Start Pos	End Pos	Start Time	End Time	LC Length	LC Duration	Remarks
132	1012	90°	8.850 km	1h, 3 min	53 41.7087 N 003 31.1427 W	53 41.7390 N 003 23.1012 W	04-May 21:09 (UTC) 04-May 22:09 (Local)	04-May 22:13 (UTC) 04-May 23:13 (Local)	10.444 km	1h, 19 min	
133	1492	270°	8.850 km	1h, 17 min	53 38.5002 N 003 24.0462 W	53 38.4689 N 003 32.0774 W	04-May 23:32 (UTC) 05-May 00:32 (Local)	05-May 00:49 (UTC) 05-May 01:49 (Local)	11.294 km	1h, 22 min	South side Close pass with Bly CPA to Hamilton North 600m, Gear CPA 445m ETA~ 5 May 0015 UTC
134	1004	90°	8.850 km	1h, 3 min	53 41.7626 N 003 31.1434 W	53 41.7930 N 003 23.1017 W	05-May 02:12 (UTC) 05-May 03:12 (Local)	05-May 03:15 (UTC) 05-May 04:15 (Local)	10.444 km	1h, 19 min	
135	1484	270°	8.850 km	1h, 17 min	53 38.5541 N 003 24.0467 W	53 38.5228 N 003 32.0781 W	05-May 04:34 (UTC) 05-May 05:34 (Local)	05-May 05:52 (UTC) 05-May 06:52 (Local)	10.183 km	1h, 13 min	South side Close pass with Bly CPA to Hamilton North 500m, Gear CPA 345m ETA~ 5 May 0520 UTC
136	1028	90°	5.406 km	0h, 38 min	53 41.6009 N 003 31.1414 W	53 41.6204 N 003 26.2293 W	05-May 07:06 (UTC) 05-May 08:06 (Local)	05-May 07:45 (UTC) 05-May 08:45 (Local)	12.935 km	1h, 38 min	2nd Prime for seq 128 SP1001-1699 d/t high currents and steering.
137	1476	270°	8.850 km	1h, 17 min	53 38.6081 N 003 24.0472 W	53 38.5767 N 003 32.0787 W	05-May 09:23 (UTC) 05-May 10:23 (Local)	05-May 10:41 (UTC) 05-May 11:41 (Local)	10.183 km	1h, 13 min	South side Close pass with Bly CPA to Hamilton North 400m, Gear CPA 245m ETA~ 5 May 1015 UTC
138	1932	90°	8.850 km	1h, 3 min	53 35.5072 N 003 31.0667 W	53 35.5374 N 003 23.0448 W	05-May 11:54 (UTC) 05-May 12:54 (Local)	05-May 12:58 (UTC) 05-May 13:58 (Local)	10.269 km	1h, 17 min	Entering Peel ports limits at 1300 UTC on 5 May 2022; Bly exit 1315 UTC; towed gear exit 1332 UTC
139	1468	270°	8.850 km	1h, 17 min	53 38.6620 N 003 24.0477 W	53 38.6306 N 003 32.0794 W	05-May 14:16 (UTC) 05-May 15:16 (Local)	05-May 15:33 (UTC) 05-May 16:33 (Local)	10.356 km	1h, 15 min	South side Deviation pass with Bly CPA to Hamilton North 300m, Gear CPA 145m ETA~ 5 May 1500 UTC
140	1940	90°	8.850 km	1h, 3 min	53 35.4532 N 003 31.0660 W	53 35.4835 N 003 23.0443 W	05-May 16:49 (UTC) 05-May 17:49 (Local)	05-May 17:52 (UTC) 05-May 18:52 (Local)	10.444 km	1h, 19 min	Entering Peel ports limits at 1750 UTC on 5 May 2022, Bly exit 1805 UTC, Gear exit 1822 UTC
141	1460	270°	8.850 km	1h, 17 min	53 38.7159 N 003 24.0482 W	53 38.6846 N 003 32.0801 W	05-May 19:11 (UTC) 05-May 20:11 (Local)	05-May 20:29 (UTC) 05-May 21:29 (Local)	12.204 km	1h, 30 min	South side Deviation pass (-80m) with Bly CPA to Hamilton North 280m, Gear CPA 125m ETA~ 5 May 2000 UTC
142	1900	90°	3.794 km	0h, 27 min	53 35.7413 N 003 26.4858 W	53 35.7531 N 003 23.0467 W	05-May 21:59 (UTC) 05-May 22:59 (Local)	05-May 22:26 (UTC) 05-May 23:26 (Local)	10.098 km	1h, 16 min	2nd prime for east part of seq120 ended early dt Port limits, BLY gear may enter port limits 5 May 22:30UTC, exits in <15mins
143	1452	270°	8.850 km	1h, 17 min	53 38.7698 N 003 24.0487 W	53 38.7385 N 003 32.0808 W	05-May 23:42 (UTC) 06-May 00:42 (Local)	06-May 01:00 (UTC) 06-May 02:00 (Local)	12.292 km	1h, 30 min	South side Deviation pass (-180m) with Bly CPA to Hamilton North 300m, Gear CPA 145m ETA~ 6 May 0030 UTC
144	1908	90°	3.794 km	0h, 27 min	53 35.6873 N 003 26.4853 W	53 35.6992 N 003 23.0463 W	06-May 02:31 (UTC) 06-May 03:31 (Local)	06-May 02:58 (UTC) 06-May 03:58 (Local)	10.269 km	1h, 17 min	2nd prime for east part of seq122 ended early dt Port limits, BLY gear may enter port limits 6 May 03:00UTC, exits in <15mins
145	1444	270°	8.850 km	1h, 17 min	53 38.8238 N 003 24.0492 W	53 38.7924 N 003 32.0815 W	06-May 04:16 (UTC) 06-May 05:16 (Local)	06-May 05:33 (UTC) 06-May 06:33 (Local)	10.550 km	1h, 14 min	South side Deviation pass (-280m) with Bly CPA to Hamilton North 300m, Gear CPA 145m ETA~ 6 May 0500 UTC
146	1668	90°	1.550 km	0h, 11 min	53 37.2867 N 003 31.0885 W	53 37.2927 N 003 29.6825 W	06-May 06:48 (UTC) 06-May 07:48 (Local)	06-May 06:59 (UTC) 06-May 07:59 (Local)	17.829 km	2h, 9 min	2nd prime for seq025 due to missing and duplicate NFH data SP1001-1082 plus half cable overlap
147	1508	90°	6.662 km	0h, 47 min	53 38.3653 N 003 31.1017 W	53 38.3889 N 003 25.0558 W	06-May 09:08 (UTC) 06-May 10:08 (Local)	06-May 09:56 (UTC) 06-May 10:56 (Local)	18.595 km	2h, 11 min	2nd Prime for seq128 due to missing shots and high screw noise from passing Cruise ship.
148	1916	90°	3.794 km	0h, 27 min	53 35.6334 N 003 26.4847 W	53 35.6452 N 003 23.0458 W	06-May 12:08 (UTC) 06-May 13:08 (Local)	06-May 12:35 (UTC) 06-May 13:35 (Local)	19.740 km	2h, 24 min	2nd prime for east part of seq124 ended early dt Port limits, BLY gear enters port limits 6 May 12:40 UTC, exits in <25mins

Seq	Line	Dir	Length	Duration	Start Pos	End Pos	Start Time	End Time	LC Length	LC Duration	Remarks
149	1924	90°	3.794 km	0h, 27 min	53 35.5795 N 003 26.4841 W	53 35.5913 N 003 23.0453 W	06-May 14:59 (UTC) 06-May 15:59 (Local)	06-May 15:27 (UTC) 06-May 16:27 (Local)	0.000 km	0h, 0 min	2nd prime for east part of seq126 ended early dt Port limits, BLY gear enters port limits 6 May 15:25 UTC, exits in <35mins



# Shooting Plan

## 5\_May\_2022\_v02

