

# Kingfisher Bulletin

## Offshore News

Oil & Gas

07 September 2017 | Issue 18

Shaded blocks indicate activity.

What's inside?

### **New Hazards** (p.3)

#### **Area 1** (p.4-10)

1. Notice to Fishermen
2. Seabed Activity
3. Deployment of Buoys
4. Survey

#### **Area 2** (p.11-15)

1. Notice to Fishermen
2. Seabed Activity
3. Deployment of Buoys

#### **Area 3** (p.16-18)

1. Seabed Activity
2. Deployment of Buoys

#### **Area 4** (p.19)

1. Seabed Activity

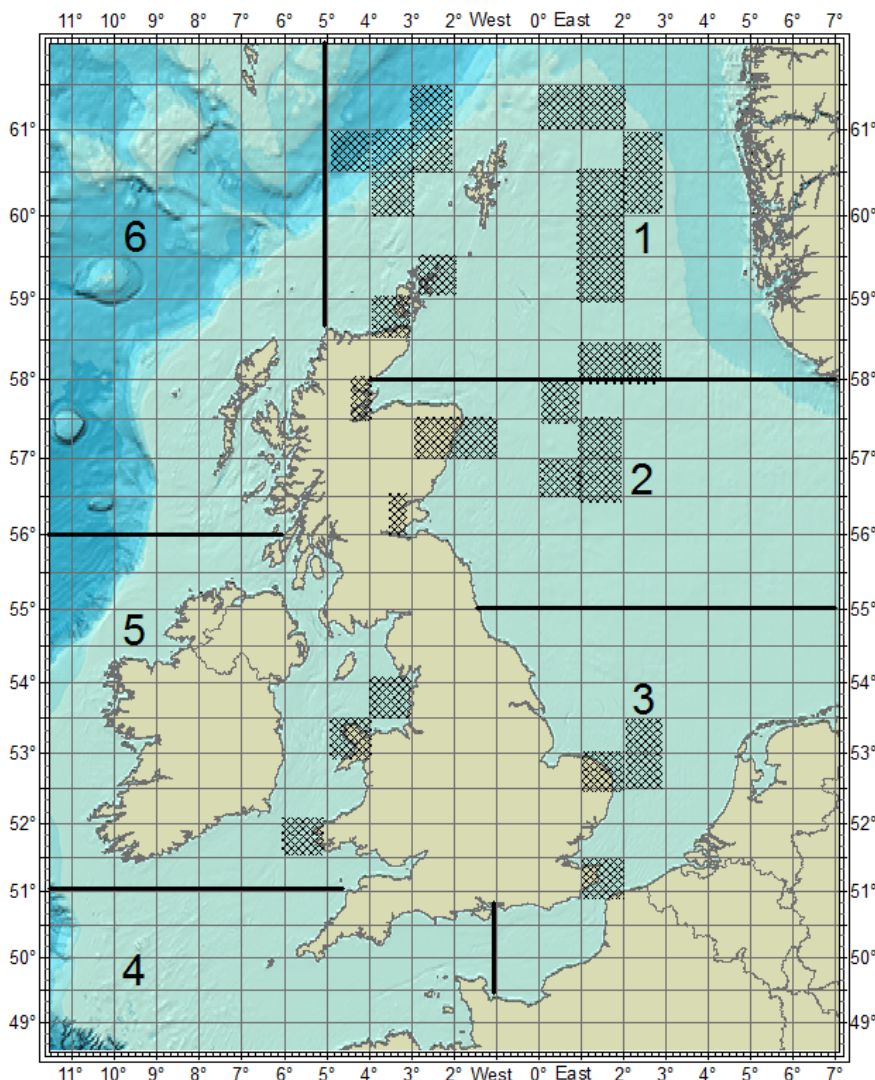
#### **Area 5** (p.20)

1. Seabed Activity

#### **Area 6** (N.A)

#### **Extra...** (p.21-28)

1. Rig List
2. Anchor List
3. Survey List



## Support

The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote awareness of offshore hazards to fishermen, new structures and zones and conflicting offshore operations. Support for publication of oil and gas industry information in this Bulletin is part of the project 'Fishing Safely in Changing European Waters 2016-2019' promoted by FLTC Services Ltd. The European Union through the European Maritime and Fisheries Fund and the Scottish Government have awarded substantial grants towards the costs of the project.



For further information, please visit: [www.fishsafe.eu/en/contact-us/funding](http://www.fishsafe.eu/en/contact-us/funding)

## Information




Information contained within the Kingfisher Bulletin comes from a variety of sources, although is in the majority, supplied directly to Kingfisher from the offshore operating industry, or government licensing authorities.


Coordinates within the Kingfisher Bulletin are converted into World Geodetic System 1984 (WGS84) and displayed as degrees, minutes and decimal minutes, to three decimal places (ddd°mm.mmm'). Route or boundary coordinates may be simplified for ease of use.



## Disclaimer and Limitation of Liability



Whilst reasonable steps have been taken to ensure its accuracy, the data contained in this Bulletin ("Bulletin Data") is not verified. Neither Seafish nor FLTC Services Limited (together the "Parties" and each a "Party") makes any warranty, express or implied, as to accuracy, completeness or suitability for any particular purpose of the Bulletin Data. Except for any liability which cannot be excluded or limited by applicable law, none of the Parties shall have any liability to You, meaning any person, firm, partnership, corporate body or any other legal person receiving or otherwise using, or benefitting from the use of, Bulletin Data for any damage or losses (including indirect, incidental, special or consequential loss or damage) caused by any: (i) use of the Bulletin Data, or (ii) error or omission in the Bulletin Data. Notwithstanding the foregoing exclusion of liability, in the event that any of the Parties are found liable to You, then the Parties' entire liability in such event, whether in contract, delict (including negligence) or otherwise, shall not exceed £1,000. The Admiralty Notices to Mariners should also be consulted.

## New Hazards

Area 1		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Pipeline Span Length 21m Height 2m	60°54.521'N 001°37.699'E	24 Aug 2017	<a href="mailto:jonathan.hoare@cnrl.com">jonathan.hoare@cnrl.com</a>		
Obstruction from Well 9/27-4	59°00.306'N 001°17.721'E	11 July 2017	<a href="mailto:rawe@staoil.com">rawe@staoil.com</a>		
AXS Bundle Span – Alba Field 10m span length and 0.8m span depth	58°02.592'N 001°05.106'E to 58°02.607'N 001°05.088'E	29 June 2017	<a href="mailto:pat.dasgupta@chevron.com">pat.dasgupta@chevron.com</a>		

Area 2		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
A Tidal Gauge System, 1m x 1m base plate, 40kg	57°04.674'N 002°04.542'E	10 Aug 2017	<a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a>		

Area 3		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
Pipeline Span Juliet Export Line 15m x 1.3	53°33.726'N 00°59.092'E	07 Sept 2017	<a href="mailto:david.hawkins@gdfsuezep.co.uk">david.hawkins@gdfsuezep.co.uk</a>		
Wreck of MV Ella	52°25.230'N 001°49.670'E	11 July 2017	<a href="mailto:lee.cornwell@innogy.com">lee.cornwell@innogy.com</a>		

Area 5		Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map	
2 x pipeline spans 2 metres high and 16 metres and 12 metres long	54°59.484'N 005°13.235'W	25 July 2017	<a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a>		
Potential Seabed Obstruction	51°42.600'N 008°11.214'W 51°41.622'N 008°10.739'W 51°41.327'N 008°11.466'W 51°41.778'N 008°11.941'W	30 June 2017	<a href="mailto:navwarnings@btconnect.com">navwarnings@btconnect.com</a>		

**The Hazard List is a collection of potential fishing hazards supplied to Kingfisher from across all offshore industries. Potential hazards will be listed for 6 months.**

Please be advised that an a Pipeline Span Julie span of exposed pipeline and umbilical on the Juliet export line which is currently in operation/producing. Both pipeline and umbilical is approximately 1.3m above the seabed

12" Production Pipeline Span 13m Long x 1.3m Height above Seabed

Umbilical Span 15m Long x 1.3m Height above Seabed

**Position: 53°33.726'N 00°59.092'E**

## Notice To Fishermen

First Published: 13 July 2017 | Latest Update: 13 July 2017

## FishSAFE Information – FSIv34 Now Available

The latest release of FSI data is now being distributed to fishermen and is available to download [here](#).

FishSAFE v34 contains the positions of many new oil & gas structures and is available for the following fishing plotter systems: Sodena, Maxsea, Olex, Penta, SIS MicroPlot, Transas Navifisher, Litton FishMaster, TMPlanner Quodfish, Trax and also your FishSAFE Unit.

For further information: *Kingfisher Information*, using the details at the foot of this page.

## Notice to Fishermen

First Published: 07 September 2017 | Latest Update: 07 September 2017

## Fishing Hazard – UXO (unexploded ordnance)



Please be advised that an a Pipeline Span Length 21m Height 2m (maximum)

Position: 60°51.340'N 001°28.257'E

Location is inside installation 500m safety zone.



For further information: Jonathan Hoare, CNR International (UK) Ltd Tel: +44(0)1224 303757 email: [jonathan.hoare@cnrl.com](mailto:jonathan.hoare@cnrl.com)

## Notice to Fishermen

First Published: 24 August 2017 | Latest Update: 24 August 2017

## Fishing Hazard – Pipeline Span



Please be advised that an a Pipeline Span Length 21m Height 2m (maximum)

Position: 60°54.521'N 001°37.699'E



For further information: Jonathan Hoare, CNR International (UK) Ltd Tel: +44(0)1224 303757 email: [jonathan.hoare@cnrl.com](mailto:jonathan.hoare@cnrl.com)

## Notice to Fishermen

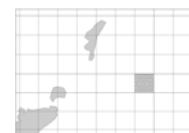
First Published: 29 June 2017 | Latest Update: 29 June 2017

## Fishing Hazard – Obstruction from Well 9/27-4



Please be advised that an obstruction from Well 9/27a-4 which has been plugged and Abandoned. The object was observed to be approximately 1.1metres high.

Position: 59°00.306'N 001°17.721'E



For further information: Ray Wells, Statoil UK Limited, Tel: +44 7771 918 018 email: [rawe@statoil.com](mailto:rawe@statoil.com)

## Notice to Fishermen

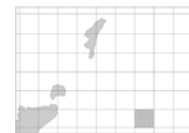
First Published: 29 June 2017 | Latest Update: 29 June 2017

## Fishing Hazard – Alba Field – AXS Bundle Span



Please be advised that the AXS Bundle Span at Chevron's Alba Field as reported during the pipeline inspection campaign. The 10m span length and 0.8m span depth shown below could present a Hazard to Fishing.

Position: 58°02.592'N 001°05.106'E to 58°02.607'N 001°05.088'E



For further information: Pat Dasgupta, Chevron North Sea Ltd, +44(0)1224 345425, [pat.dasgupta@chevron.com](mailto:pat.dasgupta@chevron.com)

## Notice to Fishermen

First Published: 15 June 2017 | Latest Update: 15 June 2017

## Abandoned Wellhead – Plugged and Abandoned

Please be advised that the abandoned wellhead below, No overtrawlability done yet, rough ground may be experienced.

Structure	Operator	Position
3/30-7	Total	60°03.710'N 001°59.140'E



For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

## Seabed Activity

First Published: 07 September 2017 | Latest Update: 07 September 2017

## Northern North Sea Diving Campaign – UKCS 3/14a, 3/15a &amp; 2/15d

WFrom 11 September until 24 September, Seven Pelican, Call sign C6RE7, will carry out some diving works in the 500m zones of the following locations:

Dunbar platform	UKCS 3/14a	60° 37.77' N 01° 39.15' E
Jura 1 wellhead	UKCS 3/15a	60° 32.65' N 01° 53.98' E
Forvie manifold	UKCS 3/15d	60° 31.41' N 01° 52.13' E
Forvie North wellhead	UKCS 3/15d	60° 30.74' N 01° 50.12' E



Please avoid this operation.

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: [david.colliard@total.com](mailto:david.colliard@total.com)

## Seabed Activity

First Published: 01 June 2017 | Latest Update: 22 August 2017

## Leadon Development – Decommissioning

Maersk Oil UK Ltd have commenced decommissioning activities associated with the removal of the Leadon subsea infrastructure in Block 9/14 of the UK Continental Shelf.

The 2017 Decommissioning campaign at Leadon will see the Maersk Master AHT complete recovery of the approx. 6.8km long flexible flowline from outside the Beryl 500m zone to the Leadon mid-line structure. Recovery operations will commence in mid-June as part of the Janice, James and Leadon Fields joint decommissioning campaign.

An additional vessel campaign will see the Maersk Achiever in field in July 2017 for the recovery of 6x Riser Bases at the mid-line structure location (59Te, 79Te, 79Te, 79Te, 95Te, 95Te all approx. 6m x 6m x 6m). Further to this, the Achiever will complete the bundle cutting scope, consisting of 4x Diamond Wire cuts in total, 1x cuts at both of the North and South Towhead locations and 2x cuts (1x either side) at the mid-line structure.

The remaining subsea facilities including the Leadon bundle (42.5 inch and 47.5 inch outer diameter with total length of 4.2km) and associated towheads comprising the North towhead (370Te) 28.7m x 6m x 4.6m, South towhead (275Te) 25.7m x 6m x 4.5m and the mid-line structure (282Te) 41.2m x 6m x 4.6m will be decommissioned during future offshore campaigns in accordance with the approved Decommissioning Programme.

A summary of the upcoming activities is as follows:

Location	Block	Coordinates	Activity	Schedule
Beryl Alpha to Leadon Midline Structure	9/13 & 9/14a	59°32.570'N 01°32.565'E	Recovery of Flexible flowline approx. 6.8km length	Completed June 2017
Leadon North Towhead	9/14a	59°34.708'N 01°39.323'E	North Towhead 1x Bundle Cut	August - Sept 2017
Leadon South Towhead	9/14a	59°32.562'N 01°39.495'E	South Towhead 1x Bundle Cut	August - Sept 2017
Leadon Midline Structure	9/14a	59°33.708'N 01°39.403'E	Midline Structure 2x Bundle Cuts	August - Sept 2017
Leadon Midline Structure	9/14a	59°33.708'N 01°39.403'E	Recovery of 6x Riser Bases	August - Sept 2017



For further information: Steph Kiltie, PDi Ltd, Tel +44(0)1224 562193 email [steph.kiltie@pdi-ltd.com](mailto:steph.kiltie@pdi-ltd.com)

## Seabed Activity

First Published: 24 August 2017 | Latest Update: 24 August 2017

## Balmoral Field – Well Intervention Operations

Please be advised that Premier Oil UK will commence well intervention work in September 2017 on the Balmoral Field in the Central North Sea (Block 16/21).



The work involves the intervention of several wells and this email is to advise that the LWIV "Seawell" will be at the following locations:

Location	Coordinates	Date
Well 16/21a-10Z	58°13.002'N 001°07.139'E	September 2017
Well 16/21a-7Z	58°14.697'N 001°06.299'E	September 2017
Well 16/21a-11	58°14.713'N 001°04.224'E	October 2017
Well 16/21b-14	58°13.607'N 001°03.655'E	October 2017
Well 16/21b-4A	58°12.666'N 001°10.567'E	November 2017

Note: All dates are subject to change however September is the earliest current start date.

For further information: Mike Swankie, Premier Oil email: [mswankie@premier-oil.com](mailto:mswankie@premier-oil.com)

## Seabed Activity

First Published: 10 August 2017 | Latest Update: 21 August 2017

## Lancaster Field – Drilling Operations

Hurricane Energy plc propose to mobilise the Furgo operated Bucentaur to their Lancaster field, which is located in Block 205/21a to the west of Shetland. The Bucentaur is a drilling ship which will be undertaking borehole drilling operations. The vessel will move around as needed to drill at different locations, but all will be within approximately 1.2 km of this location. It will be held in position by DP with no requirement for anchors, but the vessel will be held in place by the drilling equipment beneath the vessel when at each location



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish
Bucentaur	Lancaster Field	60°10.794'N 003°52.196'W	23/08/17 – 16/09/17

For further information: Kirsty McWilliam, Hurricane, Tel: +44 1483 862820 email: [Kirsty.mcwilliam@hurricaneenergy.com](mailto:Kirsty.mcwilliam@hurricaneenergy.com)

## Seabed Activity

First Published: 17 August 2017 | Latest Update: 17 August 2017

## Don South West and West Don – Water Injection Pipeline Replacement Project

EnQuest are planning to undertake the installation of a water injection flexible pipelines between Northern Producer and the Don South West and West Don Water Injection drill centres.



The earliest start date for operations to commence is 29th August. The operations are expected to last from the 30th August to mid-October. The operations will be undertaken from the following vessels:

- Deep Explorer DSV
- Wellservicer DSV
- (TBC) Rockdumper

The co-ordinates for the proposed operations are listed below:

Location	Coordinates
Northern Producer	61°29.251'N 001°27.860'E
Don South West	61°28.083'N 001°33.435'E
West Don	61°29.631'N 001°25.672'E

For further information: Natalie Cooper, EnQuest, Tel: +44 1224 975694 email: [natalie.cooper@enquest.com](mailto:natalie.cooper@enquest.com) [www.enquest.com](http://www.enquest.com)

## Seabed Activity

First Published: 24 March 2016 | Latest Update: 05 September 2017

**Martin Linge Project** – NOCS Blocks 30/4 & 30/7a

Total Norway have activities solely within the Norwegian Sector for the Martin Linge Project which are included here for information.

A steel jacket (topsides to be installed summer 2017) at the following locations: 60°30.34' N 02°00.79' E and 60°29.87' N 02°04.42' E.

From 15th July 2016 Total Norway have a new 500m radius safety zone at the submerged STL buoy prior to the arrival of a floating storage vessel (FSO) planned to arrive Q4 2017 centred on the following location: 60° 29.87' N 02° 04.42' E

A guard vessel will be present in the area until the FSO arrives in late 2017.

**For further information:** David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: david.colliard@total.com



## Seabed Activity

First Published: 18 May 2017 | Latest Update: 24 July 2017

**Beatrice Decommissioning Project** – Bravo & Charlie Well Abandonment

As part of the above project, Repsol Sinopec Resources Limited wish to advise that the jack-up rig (MODU) 'Enasco 80' will be moving from its current location at the Beatrice Charlie platform to the Beatrice Bravo platform in mid-August 2017, continuing the well abandonment activity in the Beatrice Field (Block 11/30a of the UKCS).

This work will be carried out within the HSE recognised 500m safety zones, at the Beatrice Bravo and Charlie platforms. The main area of activity during this campaign are as follows:

Location	Location
Beatrice Field	58°06.918'N 003°05.158'E

**For further information:** Steve Guzik, Repsol Sinopec Resources UK Limited, Tel: 01224 352886 email: [steve.guzik@repsolsinopecuk.com](mailto:steve.guzik@repsolsinopecuk.com)



## Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

**Clair Ridge Subsea Installation Works** – Block 206/08 & Block 206/13

BP Exploration Operating Company wish to advise that the following offshore subsea works will commence earliest 07/07/17

Work will be carried out from the Seven Atlantic diving support vessel at three key sites:

- Clair Ridge Platform and subsea isolation valves(206/08)
- West of Shetland pipeline system Tee (206/13)
- Clair Phase 1 Platform subsea isolation valves (206/13)

The works will include:

- Installation and commissioning of the final spool pieces tying into the Clair Ridge
- Installation of a control umbilical for the Clair Ridge pipeline Subsea isolation valves
- Installation and commissioning of the final spool pieces at West of Shetland Pipeline System
- Installation and commissioning of the final spool piece at Clair Phase 1
- Installation of hydraulic and electrical jumpers at Clair Phase 1

From mobilisation, the work is anticipated to continue for a duration of up to 20 days (excluding weather disruption)

Note: The Floatel Victory continues to be in the field to support project activity until further notice.

Location West of Shetland	Position
Clair Ridge Jackets	60°44.184'N 002°29.653'W
Clair Phase 1 Jackets	60°41.544'N 002°32.546'W

**For further information:** Stephanie Burch, Email: [Stephanie.burch@uk.bp.com](mailto:Stephanie.burch@uk.bp.com) or Eric Primeau, Email: [eric.primeau@bp.com](mailto:eric.primeau@bp.com)



## Western Isles – Development

The Western Isles FPSO is currently in Rotterdam. Dana are planning to tow the FPSO to field on the 7th June 2017 (at the earliest) as part of the Western Isles Development Project. The towing operations are expected to take approximately 8 days with the FPSO due on location on 15th June 2017 (at the earliest).



Once in field the FPSO will be hooked up to the 12 mooring lines which are currently located on the seabed. Cross tensioning of the chains will be undertaken once the FPSO is on the final location: 61°12.869'N 00°45.218'E

The entire operations (including the tow) are expected to take 17 days to complete, however the operations could run until the end of July 2017. This is dependent on when the FPSO leaves Rotterdam.

The tow/hook-up fleet consists of:

- Skandi Skansen (Hook-up ship),
- Skandi Hera and Havila Jupiter (Lead Tow ship)
- Skandi Iceman or Skandi Saigon (Tow ship)
- Skandi Mogster (Escort ship)

Mooring	Start	End
Mooring Line 1	61°12.763'N 000°43.826'E	61°12.868'N 000°45.211'E
Mooring Line 2	61°12.787'N 000°43.819'E	61°12.869'N 000°45.209'E
Mooring Line 3	61°12.904'N 000°43.810'E	61°12.868'N 000°45.209'E
Mooring Line 4	61°12.929'N 000°43.814'E	61°12.870'N 000°45.211'E
Mooring Line 5	61°13.523'N 000°45.609'E	61°12.872'N 000°45.224'E
Mooring Line 6	61°13.516'N 000°45.656'E	61°12.872'N 000°45.226'E
Mooring Line 7	61°13.469'N 000°45.882'E	61°12.872'N 000°45.224'E
Mooring Line 8	61°13.457'N 000°45.926'E	61°12.871'N 000°45.226'E
Mooring Line 9	61°12.305'N 000°46.005'E	61°12.867'N 000°45.227'E
Mooring Line 10	61°12.292'N 000°45.965'E	61°12.866'N 000°45.224'E
Mooring Line 11	61°12.238'N 000°45.746'E	61°12.866'N 000°45.227'E
Mooring Line 12	61°12.230'N 000°45.700'E	61°12.865'N 000°45.225'E

For further information: Nicola Bannigan, Dana Petroleum Ltd, Tel: +44 1224 616170 email: [Nicola.bannigan@dana-petroleum.com](mailto:Nicola.bannigan@dana-petroleum.com)

## Oseberg Field – Installation Activities

Statoil will in the period from April to October 2017 perform marine activities in the area Oseberg Field Center, Tune/ Delta1, Vestflanken G4 and Delta O/ Delta P templates.



A new unmanned wellhead platform (Oseberg H) will be installed at field approx. 8 km northwest from Oseberg Field Center together with new infrastructure.

A new umbilical will be installed between Oseberg A and Oseberg H. The umbilical will be unprotected from April to end of September. **During this period the product will not be trawlable.**

Two new pipelines will be installed, a production pipeline from Oseberg Field Center to Oseberg H and a gas injection pipeline from Oseberg Field Center to Delta 1/ Tune subsea templates.

The pipelines will be unprotected from May to end of September. **During this period the products are not trawlable.**

In relation to tie-in of new spools, pipelines and umbilical there will be wet-stored equipment close to Tune/Delta 1, Vestflanken G4, Oseberg H, Template O and P, and Oseberg Field Center. The equipment will not be trawlable during the

Vessel	Activity	Start Finish
Normand Mermaid	Wet-storage of spools and covers	01/08/17 – 15/08/17
Normand Mermaid	Spool installation and tie-in	15/08/17 – 15/09/17
Viking Neptune	Wet-storage of covers and spools at Tune and Oseberg Field Centre	20/08/17 – 25/08/17
Hermud	Installation of unmanned wellhead platform (Oseberg H)	01/07/17 – 30/07/17
TBC	Rock installation	19/08/17 – 20/09/17
TBC	Rock Installation	15/10/17 – 20/10/17

period from 1 of April to end of September.

Installation and operations are weather dependent, hence changes to schedule can occur.

Area	Coordinates
Oseberg A	60°29.481'N 02°49.539'E
Delta L	60°28.054'N 02°40.797'E
Delta P	60°27.385'N 02°41.605'E
Delta O	60°23.978'N 02°40.170'E
Vestflanken G4	60°32.226'N 02°41.036'E
Oseberg H	60°32.878'N 02°43.901'E

For further information: Precautionary area will be surveilled by Statoil Operasjonssenter; telephone number +47 55 14 32 78 or VHF ch 10

Questions may be directed to Annette Veka, mobile number +47 41 20 23 96.

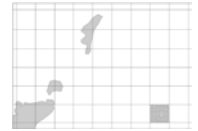


## Seabed Activity

First Published: 20 April 2017 | Latest Update: 20 April 2017

**Zeepipe IIA NE Sleipner A** – Temporary Safety Zone against Anchoring & Fishing

**Statoil shall in the period from 15th of April to end of September this year install a subsea structure for Gina Krog Hot Tap. The structure will be situated over Zeepipe IIA approx. 11.4km North East of the Sleipner platform.**



Statoil commence preparatory work including excavation and removal of concrete protective coating medio April 2017, while the Hot Tap operation and the installation of the subsea structure follows in June. Tie in to the gas pipeline will be performed in July and August 2017. Completion will be by the end of September. Pipelines and structures will be completely protected by means of GRP covers and rock dump.

The subsea structures will in the construction period be unprotected and the area cannot be exposed for bottom trawling.

## Surveillance

A safety zone will be established with exclusion from anchoring and fishing in the zone. The temporary safety zone will have a radius of 500m and will act until the structures are completely protected.

The site will be surveyed by Statoil Centre for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on channel 14 or 0047 55 14 32 78.

Location	Position
Zeepipe IIA Gina Krog Hot Tap	58°26.435'N 002°02.660'E

*For further information: Ellinor Nesse, Statoil ASA, Tel: +47 95939348 email: [elne@statoil.com](mailto:elne@statoil.com)*

## Seabed Activity

First Published: 20 April 2017 | Latest Update: 20 April 2017

**Gina Krog Direct Shuttle** – Temporary Safety Zone

**Statoil shall in the period from 20th April to 30th September this year establish a Temporary Direct Shuttle Tanker oil export solution. A flexible flowline will be pulled in to the platform and a flexible riser will be connected to a Shuttle Tanker. The oil export flowline will be installed in a corridor from the Gina Krog platform towards the FSO.**



The flowline system will be unprotected and be exposed at the sea bottom and the flexible riser will have a section with bouyancy elements bringing it up approx. 40 from sea bottom in the water column.

The site will be surveyed by Statoil Centre for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on chanal 14 or 0047 55 14 32 78.

## Surveillance

A safety zone will be established with exclusion from anchoring and fishing in the zone. The temporary safety zone will have a radius of 600m and will act until the flowlines are removed.

The site will be surveyed by Statoil Center for Operation Surveillance & Emergency, OPC (Statoil Marin). OPC can be reached by VHF on chanal 14 or 0047 55 14 32 78.

Location	Position
Gina Krog Temporary DSL (Direct Shuttle Tanker Loading)	58°34.593'N 001°42.666'E

*For further information: Ellinor Nesse, Statoil ASA, Tel: +47 95939348 email: [elne@statoil.com](mailto:elne@statoil.com)*

## Edradour / Glenlivet Field Development – Construction Activities

Please note that TEPUK have three new permanent subsea 500m safety zones which came into effect 14 July 2015 at Edradour & Glenlivet, and 3 July 2017 at Edradour PLEM location.

MV Searcher (BF205), Call Sign: MKJF6, is acting as guard vessel part way between Edradour & Edradour PLEM at the following location: 60° 55.39' N 02° 23.73' W

MV Courageous (LK470), Call Sign: MPWV9, is acting as guard vessel part way between Edradour & Glenlivet at the following location: 61° 00.28' N 02° 09.16' W.

The construction vessel MV Far Superior, Call Sign: LATJ7, is working infield since 20th April and should be demobilizing and departing field on September 6<sup>th</sup>.

The construction vessel Olympic Challenger, Call Sign: C6ZZ7, is in the field on 21<sup>st</sup> July. A rock dumper (name to be confirmed) will be mobilizing in the field around 15th September for approximately 2 weeks.

Once all construction works will be completed (anticipated around mid to end of September), guard vessels will be released from site.

Attention is drawn that FishSAFE units currently display a 200m radius zone (as opposed to the statutory 500m radius Safety Zone in force) as Hazard area centred on Edradour PLEM. Fishermen are therefore kindly requested to avoid this area.



Area	Block	Coordinates
Glenlivet	UKCS 214/30a	61°04.600'N 02°05.010'W
Edradour	UKCS 206/4a	60°56.040'N 02°14.010'W
Edradour PLEM	UKCS 206/4a	60°54.660'N 02°32.260'W
Laggan	UKCS 206/4a	60°56.670'N 02°53.620'W

For further information: David Colliard, Total E&P UK Limited, Tel: 01224 298172 email: david.colliard@total.com

## Deployment of Buoys

First Published: 29 June 2017 | Latest Update: 29 June 2017

### North and East Coast – Acoustic receiver deployments

Marine Scotland Science intends to install 8 moorings on the north and East coast of Scotland. The moorings will hold research equipment that support hydrophone receivers that log the presence of salmon adults tagged with acoustic ID tag transmitters migrating from Armadale on the North coast.

Below is a table with the proposed locations of these moorings. Once the moorings are in the water, the locations will be confirmed and updated with as-laid positions. Deploying these moorings between 25th June-10th July 2017. The moorings will be removed by the 30th of November 2017.

The moorings will have no surface markers and will be located on the seabed, extending vertically no more than 3 metres. They will be acoustically released and the entire mooring will be recovered.

Moorings	Depth	Coordinates
1	15m	55°52.518'N 002°04.175'W
2	15m	56°16.728'N 002°34.509'W
3	15m	57°42.039'N 001°59.989'W
4	10m	57°43.750'N 003°17.051'W
5	7m	58°07.363'N 003°36.665'W
6	20m	58°34.267'N 004°28.865'W
7	30m	58°34.488'N 004°28.673'W
8	30m	58°34.667'N 004°28.555'W

For further information: David Morris, Marine Scotland Science, Tel:+44(0)1224 294411 email: DavidMorris@gov.scot



## Notice to Fishermen

First Published: 10 August 2017 | Latest Update: 10 August 2017

## Fishing Hazard – Tidal Recording System 23/26a



Please be advised of the deployment of a tidal recording system that may be a Potential Snagging Hazard.

Position: 57°04.674'N 002°04.542'E

A Tidal Gauge System has been deployed on the SW edge of the Machar 500m zone. The System comprises a 1m x 1m base plate (that will remain in-situ until 2018) and a floatation recording unit and buoy (due to be retrieved around the 1st September 2017). The whole unit including the base plate weighs approximately 40kg



For further information: Nick Strachan, BP Tel: +44(0)1224 955089 email: [nick.strachan@uk.bp.com](mailto:nick.strachan@uk.bp.com)

## Notice to Fishermen

First Published: 23 March 2017 | Latest Update: 13 July 2017

## Fishing Hazard – Installation of rock berm



Please be advised of the updated coordinates these are now the final as-built locations. Finalised installation of a rock berm for the protection of PL721 (Forties Pipeline System -FPS)

Rockdump (covering pipeline PL721) Block:19/17 & 19/18 – between the following coordinates:

	Position
Start Point (big berm)	57°24.661'N 01°35.723'W
Transition Point (big – small berm)	57°24.693'N 01°37.715'W
End Point (small berm)	57°24.677'N 01°39.077'W

The maximum dimensions of the rock berm installed at PL721 are a width of 22.5m and a height of 2.8m.

For further information: Nick Strachan, BP Tel: +44(0)1224 955089 email: [nick.strachan@uk.bp.com](mailto:nick.strachan@uk.bp.com)



## Seabed Activity

First Published: 10 August 2017 | Latest Update: 16 August 2017

## Montrose BLP Project – Development Operations

Offshore campaigns upcoming;

- DSV Seven Pelican - 25th August. DSV will undertake subsea construction installation activities, including umbilical tie in, spool tie in operations, leak testing and commissioning at Shaw Production and Water Injection drill centres. (Duration 12 days)

Note. HSE recognised 500m Safety Zones are now in force at the following:

- Cayley drill centre 57°25.167'N 01°13.804'E
- Cayley/Montrose intermediate towhead 57°26.160' N 01°18.420' E
- Shaw production drill centre 57°17.813'N 01°21.755'E
- Shaw WI drill centre 57°17.369'N 01°22.299'E

Key Coordinates	
57°27.068'N 01°23.214'E	Montrose BLP (500m Safety Zone)
57°25.167'N 01°13.804'E	Cayley Drill Centre (500m Safety Zone)
57°25.924'N 01°17.332'E	44" Langed Crossing – located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°26.671'N 01°20.804'E	24" GAEL Crossing - located between Montrose BLP and Cayley Drill Centre– Fishing Hazard stay clear (concrete mattresses)
57°17.813'N 01°21.755'E	Shaw production Drill Centre
57°17.369'N 01°22.299'E	Shaw Water Injection Drill Centre
57°25.757'N 01°22.760'E	24" GAEL crossings- located between Montrose BLP and Shaw Production Drill Centre – Fishing Hazard stay clear (concrete mattresses)
57°27.054'N 01°22.987'E	14" Forties Crossings- located between Montrose BLP and Shaw Production Drill Centre (inside Montrose 500m zone)
57°22.00'N 01°20.25'E	CATS T2

For further information: James Harper, Repsol Sinopec Tel: 01224352855 email: [James.Harper@repsolsinopecuk.com](mailto:James.Harper@repsolsinopecuk.com) James Smith Tel: 01224353458 email: [James.Smith@repsolsinopecuk.com](mailto:James.Smith@repsolsinopecuk.com)



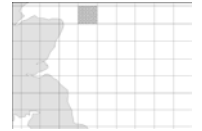
## Seabed Activity

First Published: 01 June 2017 | Latest Update: 04 September 2017

## Verbier – Notification of Works UKCS 20/5b

Please be advised of the following drilling activities that are in progress

Activity	Vessel & Call Sign	Position	Date / Duration	Comments
Verbier well	Transocean Spitsbergen V7ZS8	57°56.018'N 00°04.371'W	Mid – Aug -October 66 days	The Transocean Spitsbergen is a semi-submersible drilling unit and is anchored at this location to drill an exploration well.



For further information: Ray Wells, Statoil (UK) Ltd, Tel: 07771 918018, email: [rawe@statoil.com](mailto:rawe@statoil.com) or Euan Simpson, Statoil (Production) Limited, tel: 07557 161705, email: [eusi@statoil.com](mailto:eusi@statoil.com)

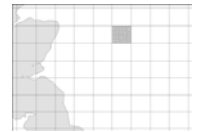
## Seabed Activity

First Published: 15 June 2017 | Latest Update: 10 August 2017

## Culzean Field - Jacket Installation

The Culzean CPF & ULQ jackets have now been installed in the Culzean Field (Block 22/25a) at the following coordinates:

Area	Coordinates
Culzean ULQ Jacket Centre	57°11.415'N 001°54.474'E
Culzean CPF Jacket Centre	57°11.475'N 001°54.582'E



Please note: these structures have now 500m safety zones enacted around them.

- See Anchor list for Culzean FSO Anchors and Chain End coordinates

For further information: Kevin Grant, Tel: +44 (0) 1224 599416, Email: [kevin.grant@maerskoil.com](mailto:kevin.grant@maerskoil.com)

## Seabed Activity

First Published: 07 September 2017 | Latest Update: 07 September 2017

## Azinor Agar – Drilling Operations

Azinor Catalyst is planning a drilling operation at the Agar location in UK Licence Block 9/14

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Ocean Guardian	Agar 9/14	59°37.498'N 001°44.708'E	06/09/17	25 Days



For further information: John Campbell, Anatec Ltd, Tel: +44 1224 253700 email: [johnc@anatec.com](mailto:johnc@anatec.com)

## Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

## Arbroath Alpha – Notification of Works UKCS 20/5b

Please be advised that the Rowan Norway (jack-up) is due to arrive (accommodation only) to support safety critical maintenance, inspection and fabric maintenance.

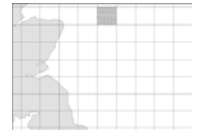
Location	Vessel & Call Sign	Position	Date / Duration	Activity
Arbroath Alpha	Rowan Norway	57°22.468'N 01°22.914'E	1 <sup>st</sup> July For 3 months	Accommodation rig linked with bridge linked to Arbroath platform.



For further information: William Gill, RepsolSinopec uk email: [William.Gill@repsolsinopecuk.com](mailto:William.Gill@repsolsinopecuk.com)

## Buchan Off-Station - Mooring Disconnect, Tow and final Subsea Well Isolation & disconnection

The Skandi Saigon, Skandi Iceman and Skandi Hera are expected to mobilise to the Buchan field in August to commence the disconnect and tow of the Buchan FPF from the field to the South Quay at Dales Voe. The work is expected to last 15 days and will involve anchor and anchor wire recovery followed by the actual tow to Dales Voe.



Location	Coordinates
Buchan FPF	57°54.330'N 000°01.978'E
A1 Anchor	57°52.807'N 000°03.560'E
A2 Anchor	57°52.593'N 000°01.405'E
B1 Anchor	57°53.216'N 000°00.518'E
B2 Anchor	57°54.105'N 000°01.262'E
C1 Anchor	57°55.147'N 000°00.899'E
C2 Anchor	57°55.889'N 000°00.670'E
D1 Anchor	57°56.016'N 000°02.548'E
D2 Anchor	57°55.527'N 000°04.236'E
E1 Anchor	57°54.561'N 000°05.156'E
E2 Anchor	57°53.431'N 000°04.754'E

Following the removal of the Buchan from location the Technip operated DSV Deep Arctic is expected to mobilise to the Buchan field to complete the final subsea well isolation and disconnection at the Buchan Template. The work is expected to last 7 days.

Location	Coordinates
Buchan FPF	57°54.330'N 000°01.978'E

Note after the Buchan has departed the field there will be a guard vessel on station.

For further information: Richard Lappin, Repsol Sinopec, Tel: +44(1224) 352590 email: [Richard.Lappin@repsolsinopecuk.com](mailto:Richard.Lappin@repsolsinopecuk.com)

## Chestnut Field – Drilling Operations

Centrica drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Paragon MSS1	Chestnut Field	57°57.053'N 001°12.836'E	07/08/17	70 Days



For further information: Eilidh Morrison, Centrica, Tel: +44(0)1224 415 429 email: [eilidh.morrison@centrica.com](mailto:eilidh.morrison@centrica.com)

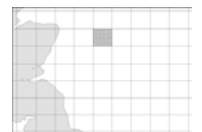
## Mallard Water Injection – Pipeline Replacement Project

EnQuest are planning to undertake the installation of a water injection pipeline (and associated spoolpieces) between Kittiwake Platform and the Mallard drill centre, with an inline connection at the Gadwell field.

The earliest start date for operations to commence is 14th July. The operations are expected to last from the 14th July to the mid September. The operations will be undertaken from the following vessels: Deep Energy – Pipelay Vessel Deep Explorer DSV Fugro Saltire – Trenching (TBC) Rockdumper

The co-ordinates for the proposed operations are listed below:

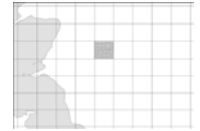
Location	Position
Kittiwake	57°28.100'N 000°30.728'E
Gadwell	57°25.514'N 000°43.086'E
Mallard	57°25.100'N 000°45.414'E



For further information: Natalie Cooper, EnQuest, Tel: +44 1224 975694 email: [natalie.cooper@enquest.com](mailto:natalie.cooper@enquest.com) www.enquest.com

## Catcher Area – Development Project

Subsea construction activities on behalf of Premier Oil UK Limited on the Catcher Area Development (including the Catcher, Burgman and Varadero fields) located in block 28/9a of the UKCS 56°46.200'N 00°42.783'E



## Seabed Activity

To date, the following have been installed:

- six (6) drilling template structures (elevation 9.2m above seabed) at the drill centres and coordinates listed below;

Structure	Coordinates
2 x drilling template structures at Varadero drill centre	
Varadero Drilling Template 1:	56°48.366'N 00°42.258'E
Varadero Drilling Template 2:	56°48.369'N 00°42.337'E
2 x drilling template structure at Catcher drill centre	
Catcher Drilling Template 1:	56°46.277'N 00°46.299'E
Catcher Drilling Template 2:	56°46.321'N 00°46.296'E
2 x drilling template structure at Burgman drill centre	
Burgman Drilling Template 1:	56°44.542'N 00°40.640'E
Burgman Drilling Template 2:	56°44.566'N 00°40.581'E

Please note; Each drill centre has an approved HSE 500m safety exclusion zone in force.

- **Pipeline Bundles:**  
Three (3) x 3.5km pipeline bundles have been installed on the seabed between each Drill Centre and the future FPSO location.
- **FPSO Mooring System:**  
Twelve (12) x piled anchors with chain and wire mooring legs (in 3 groups of 4 mooring legs) extending out approximately 1000m from the future Catcher FPSO location (56° 46' 12.44" N and 00° 42' 46.93" E, WGS84), where the mooring lines are connected to a Submerged Turret Production (STP) buoy - top of buoy at approximately 16m water depth. Please note, the STP buoy has its own approved HSE 500m safety exclusion zone.
- **Mid Water Arches and Gravity Base Structures**  
Three (3) x piled gravity base structures attached to 3 x mid-water arches (buoyancy units used to support risers positioned mid-water approximately 30m below sea surface and 80m from the future FPSO location).
- **Dynamic Risers & Umbilicals**  
13 x dynamic risers and umbilicals connected to the STP Buoy and running in catenary over the mid-water arch buoys and down to the seabed. The risers and umbilicals then run along the seabed, to Riser Base Towheads that are also within the STP Buoy/Future FPSO location 500m zone.
- **Spoil deposit**  
There is a Spoil deposit adjacent to the Curlew Deep Gas Diverter structure, 6.0m diameter and 2.5m high, located at 56° 43' 29.71" N & 01° 42' 56.63" E
- **Offshore Dive Support Vessels (DSV) or Construction Support Vessels.**  
There are currently no Support vessels working in the Catcher Development area. The Seven Pelican DSV is currently scheduled to return to the field mid-late September 2017. Diving will be undertaken for Spool Tie-ins activities at the Burgman Drill Centre location. The vessel will have limited manoeuvrability during this time.
- **Guard Vessel**  
A Scottish Fishermen's Federation guard vessel [MV "Silver Wave" BF372] is currently monitoring the STP Buoy location.

## Drilling

The ENSCO 100 Drilling Rig will be moving to the Burgman Drilling Template 1 (56°44.542N 00°40.640'E) late April and will remain at this location until Q3 2017, when it will move to Catcher Drilling Template 2.

The standby vessel Grampian Deliverance is monitoring the rig's 500m zone throughout drilling operations.

**For further information:** Steve Quayle, Tel: 01224 914298 email: squayle@premier-oil.com

## Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

## Blane Secure Production Project – Subsea destruction &amp; Construction

The Technip operated DSV Deep Arctic is expected to mobilise to the Blane field to commence this workscope in early July. The work is expected to last 60 days and will involve the following activity over a number of separate vessel trips :



<ul style="list-style-type: none"> <li>• Tree barrier testing</li> <li>• Production pipeline de-oiling</li> <li>• Gas lift pipeline flooding</li> <li>• PE destruct works incl spools</li> <li>• PW destruct works incl spools</li> </ul>	<ul style="list-style-type: none"> <li>• Manifold installation</li> <li>• PW SVS installation</li> <li>• PE SVS installation</li> <li>• Spool metrolog</li> <li>• Non metrology spool installation</li> </ul>	<ul style="list-style-type: none"> <li>• Control system reconfiguration</li> <li>• Choke valve replacement</li> <li>• SCM replacement</li> <li>• Spool installation</li> <li>• Leak testing</li> </ul>	<ul style="list-style-type: none"> <li>• Tree commissioning</li> <li>• Pipeline conditioning</li> <li>• Protection installation</li> <li>• Start up support</li> </ul>
---	---	--	--

Location	Coordinates
Well BPE	56°54.459'N 002°27.173'E
Well BPW	56°54.459'N 002°27.146'E
New Production manifold	56°54.447'N 002°27.115'E

For further information: Duncan Mennie, Repsol Sinopec, Tel: +44(1224) 501037 email: [Duncan.Mennie@repsolsinopecuk.com](mailto:Duncan.Mennie@repsolsinopecuk.com)

## Seabed Activity

First Published: 15 June 2017 | Latest Update: 15 June 2017

## Ettrick Blackbird – Decommissioning Project

Nexen Petroleum UK Limited wish to advise that it is undertaking subsea works in the Ettrick and Blackbird Fields (block 20/2a, Central North Sea).



This work will be undertaken by the following vessels as detailed below and will mainly consist of the removal of risers, pipelines, umbilicals and subsea structures in line with the Decommissioning Programme for these fields.

Planned Start Date	Vessel	Duration
21/06/2017	Deep Arctic (DSV)	12 Days
26/06/2017	Normand Pioneer (ROSV)	42 Days
05/07/2017	Deep Explorer (DSV)	20 Days

This work will be carried out mainly within HSE recognised 500m Safety Zones and on various pipelines within the field. The main areas of activity during this campaign are as follows:

Primary Locations:

Location	Coordinates
Disconnectable Turret Buoy	57°54.566'N 000°35.517'W
Ettrick Drill Centre Manifold	57°53.998'N 000°36.598'W
Blackbird Manifold	57°50.963'N 000°37.128'W
IW2	57°53.538'N 000°40.500'W
IB1	57°50.865'N 000°38.663'W

For further information: Ian Murphy, Tel: +44 (0)1224 371733 Email: [Ian.Murphy@nexencnoocLtd.com](mailto:Ian.Murphy@nexencnoocLtd.com)

## Deployment of Buoys

First Published: 13 July 2017 | Latest Update: 07 September 2017

## Aberdeen Harbour – Atlantic Salmon Study

Marine Scotland Science have recovered 34 moorings in an arc around the mouth of the River Dee in Aberdeen, on the East coast of Scotland, from the mouth of the River Don to Cove Bay. The moorings held research equipment that support hydrophone receivers that log the presence of salmon smolts tagged with acoustic ID tag transmitters migrating from the River Dee.



No.	Coordinates
22	57°08.031'N 002°02.228'E

For further information: University of Glasgow researchers Hannele Honkanen [h.honkanen.1@research.gla.ac.uk](mailto:h.honkanen.1@research.gla.ac.uk) or Matthew Newton [matthew.newton@glasgow.ac.uk](mailto:matthew.newton@glasgow.ac.uk)

## Notice to Fishermen

First Published: 07 September 2017 | Latest Update: 07 September 2017

## Fishing Hazard – Pipeline Span Juliet Export Line



Please be advised that an a Pipeline Span Julie span of exposed pipeline and umbilical on the Juliet export line which is currently in operation/producing. Both pipeline and umbilical is approximately 1.3m above the seabed

12" Production Pipeline Span 13m Long x 1.3m Height above Seabed

Umbilical Span 15m Long x 1.3m Height above Seabed

Position: 53°33.726'N 00°59.092'E



For further information: Jonathan Hoare, CNR International (UK) Ltd Tel: +44(0)1224 303757 email: [jonathan.hoare@cnr.com](mailto:jonathan.hoare@cnr.com)

## Notice to Fishermen

First Published: 13 July 2017 | Latest Update: 07 September 2017

## Fishing Hazard – Wreck MV Ella



Please be advised the vessel MV Ella Sank and has been marked with a 25 litre can attached to 110m of rope at the following position

Position: 52°25.230'N 001°49.670'E



For further information: Lee Cornwall, Galloper Wind Farm, Tel: +44(0)7917 474352 email: [lee.cornwall@innogy.com](mailto:lee.cornwall@innogy.com)

## Notice to Fishermen

First Published: 20 April 2017 | Latest Update: 01 June 2017

## Fishing Hazard – Pipeline Span PL20



The pipeline is no longer a hazard and is stable on the seabed and not mobile. ROV surveys are in place with a view to removing/recovering the section of damaged pipeline (potentially up to 475m in length). Works may take up to 4 weeks.

The Havila Subsea construction vessel returned to Great Yarmouth port on Weds 31st May and is intending to return to the field for a further approx 7-8 days before returning to Great Yarmouth port again. The vessel will be continuing to be working on the pipeline in and around the area. The GV Aora is still acting as a guard vessel at the location.

They show the pipeline is still connected at the FTP (platform) end of the anomaly : 52°59.666'N 1°34.609'E

It shows there is a break in the pipeline – both ends on seabed and partially buried in sand: 52°59.481'N 1°34.329'E end not moved and 52°59.531'N 1°34.259'E relocated end) Plans are in place to stabilise the ends with mattresses.



For further information: Bob Brighton, Petrofac, Tel 01493 416811 email: [Robert.brighton@petrofac.com](mailto:Robert.brighton@petrofac.com)

## Notice to Fishermen

First Published: 06 April 2017 | Latest Update: 06 April 2017

## Fishing Hazard – Horne &amp; Wren Decommissioning



Recently removed the H&W platform, which means the 500M installation exclusion zone has ceased. Having successfully removed the installation, it means there are a number of potential snags left on and protruding to a maximum of 3.5 metres off the sea bed, which include pipeline infrastructure and two x 30" diameter conductor guides. In parallel, we have applied to the HSE, for a subsea safety exclusion zone for the location to ensure that sea goers are not able to access the area. This approval is expected within the next two to three months.

52°54.245'N 02°35.915'E

It is intended to remove the hazards in the next few months and return the sea bed to be over-trawlable



For further information: Darin Scales, Tollow Oil, [Darin.Scales@tollowoil.com](mailto:Darin.Scales@tollowoil.com)



## Seabed Activity

First Published: 24 August 2017 | Latest Update: 24 August 2017

## Vampire OD Platform – Drilling Operations

ConocoPhillips wish to inform you that the Enasco 92 has an upcoming move from the River Tees Fairway Buoy to the Vampire OD platform (block 49/16)



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Enasco 92	Vampire OD/ 49/16-11 (V1), 49/16-V2, 49/16-V3Y	53°27.903'N 02°02.467'E	21/08/17	80 Days

**For further information:** Calum McMillan, ConocoPhillips UK Ltd, Tel: 01224 205315 email: [callum.e.mcmillan@conocophillips.com](mailto:callum.e.mcmillan@conocophillips.com)

## Seabed Activity

First Published: 29 June 2017 | Latest Update: 29 June 2017

## Sean Papa Platform – Drilling Operations

The Prospector 1 jack up rig will move to location in order to drill an exploration well for Oranje-Nassau Energie UK Limited. To be spudded in Block 49/30e approximately 3.8km south east of the Sean Papa platform .



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Propector 1	Sean Papa	53°10.002'N 002°54.257'E	24/07/17	60 Days

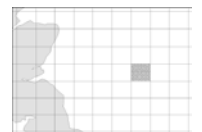
**For further information:** Linda Murray, Oranje-Nassau Energie UK Ltd, Tel: 44 1603 567239 email: [linda.murray@ONEBV.com](mailto:linda.murray@ONEBV.com)

## Seabed Activity

First Published: 01 June 2017 | Latest Update: 22 August 2017

## Janice, James and Affleck – Decommissioning

**Maersk Oil UK Ltd have commenced decommissioning activities associated with the removal of the Janice 'A' FPU in Block 30/17a of the UK Continental Shelf.**



The Janice FPU and its associated moorings and anchors were towed/recovered during the 2016 Phase 3a offshore campaign. A number of small structures as well as the Janice cluster and previously disconnected graveyard risers were also recovered to the Maersk Achiever.

As part of the 2017 Janice Decommissioning campaign, the Maersk Master AHTS completed recovery of the flexible flowline and umbilical between the Janice Cluster and James Wells, as well as performing debris clearance activities at both locations. Following this, the Maersk Achiever has been in field since July and will remain so throughout August and September recovering miscellaneous structures (Mid-Water Arches, Manifolds, Xmas Trees etc.), debris, pipeline sections and mattresses from the Janice Drill Centre, James Drill Centre and Affleck locations.

The Janice and James subsea wells Plug and Abandonment campaign has been ongoing throughout 2017, with the Ocean Valiant Drilling Rig having returned to the Janice Drill Centre to re-commence P&A activities at the beginning of August. P&A of the 2x James subsea wells was completed during June 2017, these trees will be recovered by the Maersk Achiever in September.

The remaining subsea infrastructure will be decommissioned during future offshore campaigns in accordance with the approved Decommissioning Programme. A summary of the upcoming activities is as follows:

Location	Block	Coordinates	Activity	Schedule
Janice Drill Centre to James Drill Centre	30/17a	56°23.706'N 02°15.316'E to 56°21.485'N 02°18.835'E	Recovery of Flexible flowline and umbilical approx. 5.5km length	Completed July 2017
Janice Drill Centre (within 500m zone)	30/17a	56°23.706'N 02°15.316'E	Debris Clearance	July – Sept 2017
James Drill Centre (within 500m Zone)	30/17a	56°21.485'N 02°18.835'E	Debris Clearance	July – Sept 2017
Janice Drill Centre (within 500m zone)	30/17a	56°23.706'N 02°15.316'E	Structure Recovery	July – Sept 2017
Janice Drill Centre (within 500m zone)	30/17a	56°21.485'N 02°18.835'E	Structure Recovery	July – Sept 2017
Affleck Drill Centre (within 500m zone)	30/19a	56°26.552'N 02°42.077'E	Structure Recovery & Debris Clearance	July – Sept 2017

**For further information:** Steph Kiltie, PDI Ltd, Tel +44(0)1224 562193 email [steph.kiltie@pdi-ltd.com](mailto:steph.kiltie@pdi-ltd.com)

## Seabed Activity

First Published: 15 June 2017 | Latest Update: 15 June 2017

## Breagh Field – Drilling Operations

INEOS Breagh drilling activity

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Ensco 121	Breagh A	54°35.736'N 00°26.015'E	01/07/17 – 31/01/18	215 Days



For further information: Phillip Jones, INEOS. Tel: +44 (0) 203 116 0641 [phillip.jones@ineos.com](mailto:phillip.jones@ineos.com)

## Seabed Activity

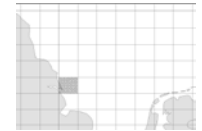
First Published: 15 June 2017 | Latest Update: 15 June 2017

## Rough Gas Field – Activity

Please be advised that works involving the jack up vessel 'Seajacks Zaratan' being located alongside the Rough 47/3B gas production Complex, BD platform. A fixed gangway will link the Seajacks Zaratan to the BD Platform with the vessel being located at:

53°50.073'N 00°26.580'E

The Seajacks Zaratan will mobilise from the DAMEN Ship Repair yard in Amsterdam (Holland) on or about 1st July 2017 to sail to Rough (with a transit time of between 28 and 40 hours), being on location on or about the 2nd -3rd July 2017, jacked up alongside the BD Platform. The anticipated duration alongside the BD Platform is a maximum duration of 129 days, not extending beyond the 30th November 2017. The Seajacks Zaratan will then move off station and depart for a port on the UK coast, currently expected to be Great Yarmouth.



For further information: James Garvie, Centrica Storage, [James.Garvie@centrica-sl.co.uk](mailto:James.Garvie@centrica-sl.co.uk)

**Ireland** – Drilling Operations

Providence drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
M/V Stena Icemax 2FMJ5	53/6-A	50°47.003'N 012°58.701'W	15/06/17 – 15/08/17	60 Days



**For further information:** Eimear, Sinbad Offshore Support Ltd, Tel: +353 749 741 472 email: [eimear@sinbadoffshore.com](mailto:eimear@sinbadoffshore.com)

## Notice to Fishermen

First Published: 25 July 2017 | Latest Update: 25 July 2017

## Fishing Hazard – Possible Seabed Obstruction



Hazardous Pipeline Spans (gaps underneath the pipeline) 2 x pipeline spans – gaps underneath the pipeline – have been reported at the position below. They are approx. 2 metres high and 16 metres and 12 metres long.



## Coordinates

54°59.484'N 005°13.235'W

For further information: Kingfisher Information, using the details at the foot of this page.

## Notice to Fishermen

First Published: 13 July 2017 | Latest Update: 13 July 2017

## Fishing Hazard – Possible Seabed Obstruction



The Department of Transport, Tourism and Sport has been advised by PSE Kinsale Energy Ltd that following a survey of the Kinsale Head gas field pipeline, a possible seabed obstruction has been identified. The nature of the seabed obstruction may present a hazard to ground fishing equipment. Any fishing vessels operating within the area are advised to proceed with caution.



## Coordinates

51°42.600'N 008°11.214'W  
51°41.622'N 008°10.739'W  
51°41.327'N 008°11.466'W  
51°41.778'N 008°11.941'W

For further information: UKHO, Tel: +44(0)1823 352448 email: [navwarnings@btconnect.com](mailto:navwarnings@btconnect.com)

## Seabed Activity

First Published: 23 February 2017 | Latest Update: 12 July 2017

## Liverpool Bay – Drilling Operations

Petrofac drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Irish Sea Pioneer	Lennox Field 110/15L	53°37.881'N 003°10.595'W	30/05/17	138 Days



For further information: Alec Townley, Petrofac, Tel: +44 1352 842353 [alec.townley@petrofac.com](mailto:alec.townley@petrofac.com)

## Deployment of Buoys

First Published: 25 July 2017 | Latest Update: 25 July 2017

## West Anglesey – Mooring Deployment

Bangor University have deployed two submersed moorings containing acoustic recorders at the following locations for approximately three weeks

## Coordinates

52°45.274'N 004°46.030'W  
52°46.466'N 004°48.029'W



For further information: Gemma Veneruso, Bangor University, Tel: 01248 382840 email: [g.veneruso@bangor.ac.uk](mailto:g.veneruso@bangor.ac.uk) [www.seacams.ac.uk](http://www.seacams.ac.uk)

## Area 1 Rig List

Latest Update: 07 September 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Enesco 80	58°08.90'N 03°01.20'W		Transocean Leader	59°56.90'N 01°15.80'E
New	Maersk Intrepid	58°25.10'N 01°42.90'E		Deepsea Aberdeen	60°20.10'N 04°02.40'W
	Ocean Guardian	58°32.70'N 00°49.60'W		West Phoenix	60°37.70'N 03°00.90'W
New	Maersk Integrator	58°34.30'N 01°41.80'E		Safe Scandinavia	60°41.90'N 02°55.90'E
	Deepsea Atlantic	58°45.90'N 02°31.10'E	New	COSL Promoter	60°44.60'N 03°36.30'E
	Rowan Viking	58°50.60'N 02°14.90'E		Songa Endurance	60°48.50'N 03°35.60'E
	Maersk Interceptor	58°55.30'N 02°11.80'E		Songa Equinox	60°54.90'N 03°37.50'E
	Transocean Spitsbergen	59°01.30'N 01°21.20'E		West Elara	61°02.30'N 02°20.30'E
	Wilphoenix	59°26.90'N 01°37.20'E		Transocean 712	61°19.40'N 01°32.10'E
	Transocean Arctic	59°29.70'N 01°57.90'E	New	Deepsea Bergen	61°23.10'N 01°57.50'E
New	Maersk Gallant	59°34.90'N 01°39.40'E		Bideford Dolphin	61°29.10'N 02°13.20'E
	Safe Boreas	59°35.20'N 01°03.20'E		Deepsea Stavanger	64°58.40'N 06°58.50'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E			

## Area 2 Rig List

Latest Update: 07 September 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Maersk Resolute	55°23.90'N 03°48.60'E		Enesco 120	56°51.00'N 02°15.30'E
	Noble Sam Turner	55°32.30'N 05°01.90'E		Safe Caledonia	57°00.57'N 01°49.97'E
	Maersk Guardian	55°34.80'N 04°45.40'E		Prospector 5	57°00.73'N 01°50.41'E
	Maersk Resilient	55°43.20'N 04°47.90'E		Noble Hans Deul	57°01.90'N 01°57.30'E
	Maersk Innovator	56°22.60'N 03°15.50'E	New	Ocean Patriot	57°10.40'N 01°44.80'E
	Ocean Valiant	56°23.70'N 02°15.30'E		Maersk Highlander	57°11.70'N 01°54.80'E
	Enesco 122	56°43.60'N 02°05.20'E	New	Stena Spey	57°17.80'N 01°21.90'E
New	Enesco 100	56°46.40'N 00°46.40'E		Rowan Norway	57°22.50'N 01°23.00'E
	Paul B Loyd	56°50.10'N 01°42.90'E	New	Paragon MSS1	57°57.01'N 01°12.75'E

## Area 3 Rig List

Latest Update: 07 September 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
New	Paragon Prospector 1	53°10.00'N 02°54.10'E	New	GMS Endeavour	53°45.90'N 03°11.70'E
	590021	53°14.00'N 03°14.50'E		Seajacks Zaratan	53°50.10'N 00°26.60'E
	Atlantic Amsterdam	53°17.80'N 00°48.50'E		Rowan Gorilla VII	54°03.30'N 01°02.10'E
	Enesco 72	53°23.20'N 04°15.60'E		Maersk Resolve	54°15.10'N 02°31.40'E
New	Seafox 4	53°27.80'N 01°55.10'E	New	Seafox 1	54°26.90'N 02°28.80'E
New	Enesco 92	53°28.00'N 02°02.50'E		Enesco 121	54°35.70'N 00°26.00'E
	Enesco 101	53°39.20'N 03°52.50'E			

## Area 4 Rig List

Latest Update: 07 September 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Stena Icemax	50°47.00'N 12°58.80'W			

## Area 5 Rig List

Latest Update: 07 September 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Irish Sea Pioneer	53°37.90'N 03°10.60'W		Seafox 2	54°05.60'N 03°51.40'W
	GMS Endurance	53°51.80'N 03°37.10'W			

Rig anchors may extend over one mile from rig positions; anchor buoys are not always deployed. There may be additional structures called anchor pennants, deployed up to 200 metres from each anchor. In the interests of safety and to avoid fishing gear damage, fishing close to, or within anchor patterns, should be avoided. Fishermen may contact the installation or the ERRV (standby vessel) for positions of the anchors.

Area 1 Anchor List

Latest Update: 10 August 2017

Deepsea Aberdeen – Pre-Laid at Schiehallion West Drill Centre

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°20.100'N 04°02.400'W	3	60°25.483'N 04°03.903'W	6	60°24.440'N 04°01.812'W
1	60°24.402'N 04°04.853'W	4	60°25.678'N 04°02.547'W	7	60°24.017'N 04°02.557'W
2	60°25.032'N 04°04.875'W	5	60°25.057'N 04°01.780'W	8	60°24.010'N 04°04.015'W

Deepsea Aberdeen – Schiehallion Loyal Drill Centre

Anchor No.	Anchor Position	Surface Buoy	Anchor Position	Surface Buoy
Well				
1	60°24.426'N 004°06.108'W	60°24.438'N 004°04.686'W	5	60°25.314'N 004°00.450'W
2	60°25.284'N 004°06.132'W	60°24.996'N 004°04.404'W	6	60°24.174'N 004°00.420'W
3	60°26.112'N 004°04.476'W	60°26.112'N 004°04.476'W	7	60°23.358'N 004°01.950'W
4	60°26.136'N 004°02.178'W	60°25.434'N 004°02.718'W	8	60°23.310'N 004°04.356'W

Deepsea Aberdeen – Schiehallion Central Drill Centre

Anchor No.	Anchor Position	Surface Buoy	Anchor Position	Surface Buoy
Well				
1	60°19.602'N 004°05.592'W	60°19.800'N 004°03.660'W	5	60°20.454'N 003°59.346'W
2	60°20.646'N 004°04.776'W	60°20.322'N 004°03.600'W	6	60°19.266'N 003°59.700'W
3	60°21.336'N 004°03.102'W	Anchor Laid Down on Seabed	7	60°20.112'N 004°01.692'W
4	60°21.432'N 004°00.948'W	60°20.670'N 004°01.710'W	8	60°18.624'N 004°04.038'W

Transocean Spitsbergen – at Verbier 20/5b

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°56.018'N 00°04.371'W	3	57°56.647'N 00°03.919'W	6	57°55.413'N 00°03.814'W
1	57°56.257'N 00°05.560'W	4	57°56.291'N 00°03.321'W	7	57°55.388'N 00°04.823'W
2	57°56.623'N 00°04.929'W	5	57°55.778'N 00°03.183'W	8	57°55.721'N 00°05.514'W

Transocean Arctic – At Volund West

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	59°29.079'N 001°50.029'E	3	59°29.891'N 001°49.142'E	6	59°28.747'N 001°51.723'E
1	59°28.775'N 001°48.287'E	4	59°29.972'N 001°50.560'E	7	59°28.218'N 001°50.728'E
2	59°29.411'N 001°48.348'E	5	59°29.484'N 001°51.679'E	8	59°28.235'N 001°49.402'E

Transocean Arctic – At Volund West

The bottom chains connected to the anchors have been laid down with 180m pennant wires and ROV pickup system.

Chain length: 1305m

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
1	59°28.774'N 001°48.288'E	2	59°29.410'N 001°48.349'E	3	59°29.890'N 001°49.142'E

Transocean 712 – At Osprey

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°19.496'N 001°32.716'E	3	61°20.113'N 001°33.270'E	6	61°18.074'N 001°33.551'E
1	61°19.792'N 001°31.340'E	4	61°19.700'N 001°33.985'E	7	61°18.656'N 001°31.970'E
2	61°20.112'N 001°32.162'E	5	61°19.080'N 001°34.219'E	8	61°19.210'N 001°31.331'E

Blackford Dolphin – As Laid Pattern Captain B

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°18.001'N 01°42.492'W	3	58°18.869'N 01°42.727'W	6	58°17.298'N 01°41.225'W
1	58°18.239'N 01°44.023'W	4	58°18.698'N 01°41.400'W	7	58°17.054'N 01°42.489'W
2	58°18.646'N 01°43.554'W	5	58°17.877'N 01°40.638'W	8	58°17.437'N 01°44.025'W

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°21.383'N 04°04.071'W	7	60°20.531'N 04°03.269'W	14	60°21.054'N 04°05.849'W
1	60°21.811'N 04°02.375'W	8	60°20.516'N 04°03.331'W	15	60°21.084'N 04°05.872'W
2	60°21.779'N 04°02.349'W	9	60°20.506'N 04°03.393'W	16	60°22.223'N 04°04.934'W
3	60°21.755'N 04°02.298'W	10	60°20.493'N 04°03.449'W	17	60°22.236'N 04°04.873'W
4	60°21.720'N 04°02.297'W	11	60°20.955'N 04°05.765'W	18	60°22.253'N 04°04.808'W
5	60°21.691'N 04°02.274'W	12	60°20.987'N 04°05.792'W	19	60°22.264'N 04°04.737'W
6	60°20.534'N 04°03.198'W	13	60°21.019'N 04°05.824'W	20	60°22.278'N 04°04.675'W

Transocean Leader – At Kraken DC1 9/02b-A1

Anchor No.	Anchor Position	Laydown Pennant s	Anchor Position	Laydown Pennant s
Rig	59°53.510'N 01°12.230'E			
1	59°54.290'N 01°11.580'E	59°54.380'N 01°11.500'E	5	59°52.760'N 01°12.810'E
2	59°54.310'N 01°12.690'E	59°54.400'N 01°12.740'E	6	59°52.740'N 01°11.590'E
3	59°54.760'N 01°13.790'E	59°53.790'N 01°13.980'E	7	59°53.200'N 01°10.670'E
4	59°53.210'N 01°13.700'E	59°53.170'N 01°13.880'E	8	59°53.820'N 01°10.660'E

Area 2 Anchor List

Latest Update: 07 September 2017

Maersk Master – will pre-lay anchors at Bittern B4

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	56°55.020'N 001°01.404'E	3	56°55.032'N 001°02.908'E	6	56°54.394'N 001°00.426'E
1	56°55.849'N 001°01.347'E	4	56°54.473'N 001°02.527'E	7	56°54.994'N 000°59.894'E
2	56°55.639'N 001°02.405'E	5	56°54.198'N 001°01.454'E	8	56°55.574'N 001°00.274'E

Paragon MSS1 – As Laid at Chestnut Infill Well

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°57.015'N 001°12.750'E	5	57°56.810'N 001°14.150'E	10	57°56.850'N 001°11.500'E
1	57°57.750'N 001°12.400'E	6	57°56.490'N 001°13.770'E	11	57°57.230'N 001°11.250'E
2	57°57.690'N 001°13.070'E	7	57°56.300'N 001°13.090'E	12	57°57.550'N 001°11.730'E
3	57°57.550'N 001°13.550'E	8	57°56.330'N 001°12.410'E		
4	57°57.240'N 001°14.390'E	9	57°56.530'N 001°11.870'E		

PBLJ – At Capercaillie

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	56°50.055'N 001°42.779'E	3	56°50.397'N 001°44.339'E	6	56°49.199'N 001°42.154'E
1	56°50.925'N 001°42.144'E	4	56°49.709'N 001°44.350'E	7	56°49.711'N 001°41.224'E
2	56°50.905'N 001°43.402'E	5	56°49.222'N 001°43.388'E	8	56°50.401'N 001°41.213'E

Ocean Patriot – Proposed At Egret Anchor pattern will have a circa 1600m radius

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°10.361'N 001°44.677'E	3	57°10.322'N 001°43.477'E	6	57°11.022'N 001°45.349'E
1	57°09.678'N 001°44.625'E	4	57°10.596'N 001°43.567'E	7	57°10.361'N 001°46.110'E
2	57°09.753'N 001°44.133'E	5	57°11.111'N 001°44.773'E	8	57°09.999'N 001°46.187'E

Culzean – Culzean FSO Anchors

Anchor No.	Anchor Pad Eye	Chain End (Inc 10m Adjust)	Anchor Position	Chain End (Inc 10m Adjust)
Well			7	57°11.065'N 001°58.562'E
1	57°11.723'N 001°56.145'E	57°11.724'N 001°56.314'E	8	57°11.092'N 001°58.625'E
2	57°11.680'N 001°56.148'E	57°11.686'N 001°56.316'E	9	57°12.445'N 001°58.413'E
3	57°11.637'N 001°56.154'E	57°11.647'N 001°56.322'E	10	57°12.465'N 001°58.343'E
4	57°11.594'N 001°56.165'E	57°11.609'N 001°56.332'E	11	57°12.483'N 001°58.271'E
5	57°11.018'N 001°58.429'E	57°11.097'N 001°58.344'E	12	57°12.500'N 001°58.197'E
6	57°11.041'N 001°58.497'E	57°11.117'N 001°58.404'E		

Safe Caledonia – Elgin

As part of the Safe Caledonia move to the Elgin Field in the Central North Sea, a mooring system comprising anchors and mooring lines has been installed as of 24th April at the following locations. Please avoid this mooring pattern

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°00.570'N 001°49.970'E	4	57°00.791'N 001°48.091'E	8	57°00.399'N 001°51.631'E
1	56°59.719'N 001°49.579'E	5	57°01.497'N 001°49.888'E	9	56°59.766'N 001°50.607'E
2	56°59.869'N 001°49.011'E	6	57°01.477'N 001°50.321'E	10	57°01.321'N 001°48.663'E
3	57°00.193'N 001°48.188'E	7	57°00.636'N 001°51.655'E		

**Catcher FPSO –**

Construction vessels Skandi Skansen and Skandi Neptune working around and extending out approximately 1000m from the future Catcher FPSO



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
STP Buoy @ Future FPSO	56°46.207'N 000°42.782'E				
1	56°46.573'N 000°42.093'E	5	56°46.457'N 000°43.780'E	9	56°45.713'N 000°42.755'E
2	56°46.602'N 000°42.136'E	6	56°46.423'N 000°43.804'E	10	56°45.719'N 000°42.687'E
3	56°46.630'N 000°42.182'E	7	56°46.387'N 000°43.824'E	11	56°45.728'N 000°42.620'E
4	56°46.655'N 000°42.233'E	8	56°46.350'N 000°43.840'E	12	56°45.739'N 000°42.555'E

**COSL Rival – Proposed Mooring at Judy30/7a**

COSL Rival located adjacent to the East face of the Judy Platform from 19th April for approx 6 months. Moorings are fitted with polyester inserts and subsea buoyancy and represent a significant snagging hazard to fishing vessel activity in the vicinity. Moorings have a circa 2km radius about the location



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Alongside	56°41.791'N 002°20.319'E	4	56°42.870'N 002°19.365'E	9	56°42.406'N 002°21.890'E
Standoff	56°41.807'N 002°20.355'E	5	56°42.897'N 002°19.526'E	10	56°41.361'N 002°21.830'E
1	56°40.927'N 002°19.690'E	6	56°42.945'N 002°20.077'E	11	56°41.193'N 002°21.599'E
2	56°41.102'N 002°19.457'E	7	56°42.757'N 002°21.099'E	12	56°41.061'N 002°21.267'E
3	56°41.250'N 002°19.161'E	8	56°42.583'N 002°21.519'E		

**Area 1 Survey List**

Latest Update: 10 August 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
CGG Services S.A Geo Coral LACA8 Bourbon Team 5BDQ4 Fugro		60°57.021'N 000°54.732'E 60°57.661'N 001°46.925'E 60°21.983'N 001°48.260'E 60°21.358'N 000°57.020'E	2; 3	01/10/2017 - 30/11/2017 For 30 Days
Fugro Searcher 3EU6	Autonomous Underwater Vehicle	60° 08.093' N 01° 40.807' E 60° 08.140' N 01° 45.666' E 60° 05.716' N 01° 45.757' E 60° 05.670' N 01° 40.904' E	3/29	20/09/2017 - 24/09/2017 For 5 Days
Fugro Survey AS M/V Fugro Galaxy G6YY4	1400m 3m	58°38.998'N 000°40.722'E 58°45.158'N 000°51.913'E 58°37.539'N 001°07.404'E 58°31.374'N 000°56.224'E	15; 16	15/09/2017 - 30/11/2017 For 10 Days
TBC		60°11.412'N 003°52.512'W 60°10.287'N 003°53.137'W	205	15/09/2017 - 31/10/2017 For 30 Days
Fugro Searcher 3EU6		60°08.615'N 001°40.807'E 60°08.140'N 001°45.666'E 60°05.716'N 001°45.757'E 60°05.670'N 001°40.904'E	3	13/09/2017 - 30/10/2017 For 1 Day
MMT M/V Stril Explorer LAZT7		58°25.614'N 001°29.174'E 58°33.337'N 002°12.599'E 58°49.464'N 001°01.409'E 59°27.436'N 001°57.100'E 59°29.038'N 001°12.141'E 59°31.399'N 001°15.091'E		13/09/2017 - 18/10/2017
Fugro Searcher 3EU6	Autonomous Underwater Vehicle  Seismic streamer 1200m tow	60° 23.667' N 04° 08.657' W 60° 25.870' N 04° 03.874' W 60° 24.765' N 04° 01.798' W 60° 23.848' N 04° 03.792' W 60° 23.256' N 04° 02.680' W 60° 21.972' N 04° 05.468' W 60° 21.657' N 04° 04.876' W 60° 19.821' N 04° 08.853' W 60° 20.136' N 04° 09.446' W	204/19, 20	10/09/2017 - 09/10/2017 For 30 Days
Fugro Survey Ltd Mv Fugro Galaxy	1400m 3m	59°14.632'N 001°13.617'E 59°23.849'N 001°15.350'E 59°23.132'N 001°29.934'E 59°13.915'N 001°28.151'E	9/17, 9/18, 9/22, 9/23	September For 10 Days
Fugro Survey Ltd Mv Fugro Galaxy	1400m 3m	58°45.164'N 000°51.918'E 58°37.547'N 001°07.402'E 58°31.380'N 000°56.219'E 58°38.997'N 000°40.718'E	15/9, 15/10, 15/14, 15/15, 16/06, 16/11	September / October For 20 Days
Schlumberger TBA		60°40.122'N 003°23.830'W	206	01/09/2017 - 30/03/2018 For 1 Day
Fugro Survey AS Fugro Galaxy C6YY4	1400m 3m	58°18.663'N 001°26.920'E 58°25.130'N 001°26.637'E 58°25.264'N 001°39.737'E 59°18.799'N 001°39.201'E	UK 16/18a Norway 15/8	September For 1 Day
FairfieldNodal MV Ocean Pearl C6ZW4 Geowave Commander LAKY6 Shemarah II – MVR7	83m 8m	58°19.749'N 001°24.124'E 58°19.973'N 001°44.192'E 58°09.552'N 001°44.562'E 58°09.329'N 001°24.592'E	16	25/08/2017 - 30/09/2017 For 30 Days



Fugro Fugro Searcher 3EUY6	1200m 3m	60°21.773'N 004°18.486'W 60°25.085'N 004°11.332'W 60°23.667'N 004°08.657'W 60°25.870'N 004°03.874'W 60°24.765'N 004°01.798'W 60°23.848'N 004°03.792'W 60°23.256'N 004°02.681'W 60°22.972'N 004°02.468'W 60°21.657'N 004°04.876'W 60°19.821'N 004°08.853'W 60°20.136'N 004°09.446'W 60°18.666'N 004°12.621'W	204	For 1 Day
Gardline Geosurvey Ltd MV Ocean Endeavour GAAL MV Ocean Researcher GDLS	1200m 3m	59°32.525'N 001°32.694'E 59°30.261'N 001°39.912'E 59°26.594'N 001°35.458'E 59°28.855'N 001°28.249'E	9	21/08/2017 - 31/12/2017 For 4 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3		61°40.610'N 001°28.557'E 61°40.534'N 001°35.397'E 61°31.507'N 001°28.125'E 61°31.360'N 001°40.909'E	211	15/08/2017 - 30/11/2017 For 5 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3		61°36.364'N 001°30.149'E 61°36.300'N 001°35.802'E 61°33.608'N 001°35.664'E 61°33.672'N 001°30.019'E	211	15/08/2017 - 30/11/2017 For 4 Days
Fugro Survey Ltd MV Fugro Venturer C6CG3	1400m 3m	58°28.100'N 001°09.766'W 58°28.232'N 001°05.663'W 58°25.950'N 001°09.512'W 58°26.082'N 001°05.412'W	13	08/08/2017 - 30/09/2017 For 7 Days
Fugro Survey AS MV Fugro Galaxy C6YY4	1400m 3m	58°18.663'N 001°26.920'E 58°25.130'N 001°26.637'E	16	27/07/2017 - 31/10/2017 For 1 Day
Fugro Survey Fugro Venturer C6CG3	1550 3m	60°19.158'N 003°06.301'W 60°19.158'N 002°53.266'W 60°11.616'N 002°53.292'W 60°11.616'N 003°06.277'W	205; 206	04/07/2017 - 30/09/2017 For 12 Days
PGS Exploration (UK) Ltd Sanco Swift ZDKY8	8100m 25m	60°50.834'N 001°16.953'E 60°51.173'N 001°53.238'E 60°29.993'N 001°57.392'E 60°28.910'N 001°57.602'E 60°27.292'N 001°56.903'E 60°26.076'N 000°25.716'E 60°28.459'N 000°24.007'E 60°47.718'N 000°13.571'E 60°50.764'N 000°14.591'E 60°51.741'N 001°12.172'E 60°51.807'N 001°16.874'E	2; 3	03/07/2017 - 01/11/2017 For 42 Days
Schlumberger		60°37.678'N 003°00.894'W	205/15	01/07/2017 - 01/01/2018 For 1 Day
WesternGeco Limited MV WG Amundsen - 5BXE2 MV WG Magellan - 5BPK2 MV WG Columbus - 5BNS2 MV WG Vespucci - 5BXF2		60°44.747'N 002°54.058'W 60°28.907'N 002°51.595'W 60°15.552'N 002°30.944'W 59°35.628'N 004°02.055'W 60°02.400'N 004°45.355'W 60°14.047'N 004°17.031'W 60°38.236'N 004°11.518'W 61°00.664'N 003°17.674'W	202; 203; 204 205; 206	15/06/2017 - 31/10/2017 For 93 Days
Maersk Oil North Sea Uk Ltd MV WG Magellan	4300m 18m	57°58.518'N 002°25.455'W 58°00.363'N 001°38.491'W 58°11.693'N 001°39.953'W 58°15.308'N 001°54.491'W 58°14.680'N 002°10.553'W 58°10.274'N 002°27.230'W	12; 13; 18; 19	12/06/2017 - 30/10/2017 For 30 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		58°45.419'N 001°30.869'E 58°47.035'N 001°30.940'E 58°47.071'N 001°27.827'E 58°45.455'N 001°27.759'E	16	07/06/2017 - 30/09/2017 For 3.5 Days
Fugro Fugro Venturer C6CG3	1550m 3m	61°21.304'N 001°44.195'W 61°29.771'N 001°25.736'W 61°36.961'N 001°40.154'W 61°28.463'N 001°58.619'W	208	01/06/2017 - 30/09/2017 For 12 Days
Gardline Geosurvey Ltd MV Kommandor PBQW	1200 / 3m	59°35.849'N 01°39.467'E 59°35.932'N 01°47.967'E 59°31.623'N 01°48.121'E 59°31.540'N 01°39.638'E	9	01/05/2017 - 31/10/2017 For 4 Days
FairfieldNodal MV Ocean Pearl C6ZWS GeoWave Commander LAKY6 Shemarah II 9120889		60°51.310'N 002°28.091'W 60°45.750'N 002°17.308'W 60°41.927'N 002°21.660'W 60°41.038'N 002°24.544'W 60°36.993'N 002°33.213'W 60°38.474'N 002°36.087'W 60°38.362'N 002°37.095'W 60°41.645'N 002°43.491'W	206	15/05/2016 - 30/08/2017 For 100 Days
Fugro Survey Limited Fugro Venturer C6CG3	1500m 3m	58°20.654'N 001°54.538'W 58°20.475'N 001°36.108'W 58°15.591'N 001°36.301'W 58°15.770'N 001°54.688'W	13	01/10/2017 - 31/12/2017 For 7 Days

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
WG Amundsen HP8120 Astra-G HP8120 Mainport Pine V7ZH8	8 Streamers 75m 5km Long 7m to 23m	57°03.319' N 02°08.115' E 56°48.605' N 01°44.249' E 56°53.872' N 01°33.494' E 56°59.026' N 01°41.713' E 57°06.814' N 01°41.714' E 57°06.849' N 01°54.345' E	22; 23; 29; 30	08/09/2017 - 18/09/2017 For 4 Days
MMT M/V Stril Explorer LAZT7		57°28.362'N 001°43.853'W 57°33.576'N 001°33.841'W 57°41.499'N 001°01.583'W 58°18.183'N 000°57.387'E 58°25.614'N 001°29.174'E		13/09/2017 - 12/10/2017
TBC Fugro or Gardline	120m 1m	57°20.412'N 001°48.376'E 57°20.383'N 001°45.387'E 57°21.999'N 001°45.332'E 57°22.028'N 001°48.324'E	22	02/09/2017 - 02/01/2018 For 12 Days
TBC	100m 3m	58°02.880'N 000°59.137'W 58°02.721'N 000°49.488'W 57°52.893'N 000°50.082'W 57°52.051'N 000°59.687'W	20; 14	23/08/2017 - 31/10/2017 For 4 Days
Oceana MV Neptue TFNX		55°55.025'N 002°08.958'W 56°07.000'N 002°08.958'W 56°07.000'N 000°47.200'W 55°06.735'N 000°47.200'W 55°06.735'N 001°29.917'W		19/08/2017 - 23/08/2017
Baker Hughes Wireline Island Spirit LAVQ7	2m 4m	57°11.406'N 001°53.889'E	22	18/08/2017 - 28/02/2018 For 2 Days
WesternGeco MV WG Columbus 5BNS2	3000m 5m	57°02.989'N 000°53.354'E 57°02.924'N 001°01.848'E 57°06.523'N 001°01.948'E 57°06.588'N 000°53.441'E	21	01/08/2017 - 30/09/2017 For 25 Days
Fugro Survey Ltd Mv Fugro Venturer C6CG3	Autonomous Underwater Vehicle	57°07.253'N 002°01.473'E 57°05.655'N 002°09.890'E 57°02.094'N 002°07.603'E 57°03.690'N 001°59.198'E	23 Email: <a href="mailto:Anthony.mathieson@uk.bp.com">Anthony.mathieson@uk.bp.com</a>	01/08/2017 - 20/08/2017 For 20 Days
Tideway Seahorse PCAP		57°18.911'N 001°19.156'E 57°18.994'N 001°25.140'E 57°15.761'N 001°25.273'E 57°15.677'N 001°19.306'E	22	22/07/2017 - 31/10/2017 For 3 Days
Van Oord Offshore Fugro Meridian C6QR4		57°34.544'N 001°48.757'W 57°34.606'N 001°48.473'W 57°34.532'N 001°48.415'W 57°34.469'N 001°48.699'W 58°01.489'N 000°48.185'E 57°57.881'N 000°48.406'E 57°57.755'N 000°41.313'E 58°01.363'N 000°41.080'E 57°56.418'N 000°33.773'E 57°52.997'N 000°31.954'E 57°54.399'N 000°22.604'E 57°57.822'N 000°24.410'E	19	17/07/2017 - 30/09/2017 For 5 Days
Gardline Geosurvey Ltd MV Ocean Reliance - J8B2707		58°01.489'N 000°48.185'E 57°57.881'N 000°48.406'E 57°57.755'N 000°41.313'E 58°01.363'N 000°41.080'E 57°56.418'N 000°33.773'E 57°52.997'N 000°31.954'E 57°54.399'N 000°22.604'E 57°57.822'N 000°24.410'E	21; 15	10/07/2017 - 31/08/2017 For 14 Days
MMT M/V Franklin SEIN		UK Area 57°28.362'N 001°43.853'W 57°33.576'N 001°33.841'W 57°41.499'N 001°01.583'W 58°18.183'N 000°57.387'E 58°25.614'N 001°29.174'E	Norwegian Area 59°35.769'N 005°18.812'E 59°36.407'N 005°16.377'E 59°31.399'N 005°15.091'E 59°31.023'N 005°12.921'E 59°31.296'N 005°13.002'E 59°33.439'N 005°11.419'E 59°32.622'N 005°00.470'E 58°49.464'N 003°01.409'E 59°29.038'N 005°12.141'E 59°27.436'N 004°57.100'E 58°33.337'N 002°12.599'E 58°25.614'N 001°29.174'E	26/06/2017 For 4 Weeks
Havla Shipping ASA Havila Subsea - LGSY3		57°10.676'N 001°06.450'E 57°10.657'N 001°06.418'E 57°10.683'N 001°06.424'E	22	23/06/2017 - 01/10/2017 For 1 Day
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°39.225'N 001°18.081'E 57°39.182'N 001°22.101'E 57°37.069'N 001°18.004'E 57°37.027'N 001°22.020'E	22	11/06/2017 - 30/09/2017 For 3 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°08.023'N 001°49.600'E 57°08.066'N 001°46.628'E 57°09.682'N 001°46.705'E 57°09.640'N 001°49.680'E	22	10/06/2017 - 30/09/2017 For 3.5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°05.830'N 000°50.297'E 57°04.213'N 000°50.260'E 57°05.802'N 000°54.258'E 57°04.186'N 000°54.218'E	21	09/06/2017 - 30/09/2017 For 1.5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°07.304'N 001°00.437'E 57°11.077'N 001°00.540'E 57°11.129'N 000°53.592'E 57°07.357'N 000°53.502'E	21; 22	03/06/2017 - 30/09/2017 For 4.5 Days
Bibby Hydromap Proteus of Liverpool 2HBL7		57°34.720'N 001°49.700'W 57°34.453'N 001°44.413'W	19	01/06/2017 - 30/09/2017 For 5 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		57°09.556'N 001°43.165'E 57°11.172'N 001°43.240'E 57°11.131'N 001°46.216'E 57°09.514'N 001°46.139'E	22	01/06/2017 - 30/09/2017 For 3 Days

Fugro Survey Ltd Mv Fugro Meridian C6QR4		56°54.224'N 000°59.904'E 56°55.840'N 000°59.947'E 56°55.816'N 001°02.904'E 56°54.199'N 001°02.859'E	29	01/06/2017 - 30/09/2017 For 3 Days
Total E&P UK Limited TBA	5500m 7m	56°53.910'N 001°33.474'E 57°08.611'N 001°57.108'E 57°03.361'N 002°08.091'E 56°48.660'N 001°44.241'E	29; 22	15/05/2017 - 15/10/2017 For 10 Days
Total E&P UK Limited TBA	5500m 8m	56°53.909'N 001°33.475'E 57°08.606'N 001°57.103'E 57°02.196'N 002°10.529'E 56°47.585'N 001°46.433'E	29; 22	15/05/2017 - 15/10/2017 For 30 Days
Baker Hughes Wireline TBC	2m 4m	57°11.445'N 001°53.982'E	22	04/05/2017 - 31/12/2017 For 2 Days
CGG Services S. A Geo Coral FIPH	8000m 50m	56°49.920'N 001°40.273'E 56°49.570'N 002°29.826'E 56°44.150'N 002°32.509'E 56°35.660'N 002°36.710'E 56°32.011'N 002°41.295'E 56°26.577'N 002°48.087'E 56°27.108'N 000°44.092'E 56°43.780'N 000°43.978'E 56°43.832'N 001°13.992'E 56°47.135'N 001°13.997'E	28; 29; 30	01/05/2017 - 30/11/2017 For 37 Days
Gardline Geosurvey Ltd MV Ocean Reliance - J8B2707 MV Kommnader - PBQW MV Ocean Researcher - GDLS	1200m 3m	57°51.235'N 000°46.893'E 57°49.200'N 000°54.018'E 57°45.401'N 000°50.204'E 57°47.433'N 000°43.089'E	21	01/05/2017 - 31/10/2017 For 4 Days
PGS Exploration (UK) Ltd Ramform Vanguard 9188714		57°50.484'N 001°11.982'E 58°01.038'N 001°51.440'E 57°54.300'N 001°57.979'E 57°19.459'N 002°15.040'E 57°05.838'N 001°26.734'E	22; 23	01/04/2017 - 30/09/2017 For 84 Days

## Area 3 Survey List

Latest Update: 27 July 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Polarcus DMCC Polarcus Asima C6XK6	625m 15m	54°04.904'N 001°03.830'E 54°04.838'N 001°47.764'E 53°44.071'N 001°47.648'E 53°43.703'N 000°53.830'E 53°53.904'N 000°53.680'E 53°53.753'N 000°15.779'E 53°59.903'N 000°11.829'E 54°02.803'N 000°14.929'E 54°06.937'N 000°15.528'E 54°14.754'N 000°15.378'E 54°14.921'N 001°03.746'E	42; 43; 47; 48	01/10/2017 - 31/12/2017 For 36 Days
GeoXYZ GeoSurveyor VI 2ENE7		53°39.772'N 000°06.919'E 53°21.561'N 000°28.042'E	47	18/09/2017 - 31/12/2017 For 7 Days
Fugro Subsea Services Ltd MV Fugro Searcher 3EUY6		53°08.010'N 001°28.869'E 52°53.236'N 001°28.869'E 52°53.236'N 001°56.018'E 53°08.010'N 001°56.018'E	48; 52	01/09/2017 - 22/12/2017 For 14 Days
Fugro Subsea Services Ltd Skandi Olympia C6XY8		54°01.980'N 000°43.593'E 53°00.265'N 002°53.683'E	48; 43; 42; 49	10/08/2017 - 10/10/2017 For 60 Days
Bibby Hydromap Bibby Tethra 2EGF8		54°32.912'N 001°39.393'E 54°32.455'N 001°42.065'E	43	01/08/2017 - 30/09/2017 For 2 Days
Bibby Hydromap Bibby Tethra 2EGF8		53°04.776'N 002°10.313'E 53°05.042'N 002°11.341'E 53°04.423'N 002°11.783'E 53°04.156'N 002°10.755'E	49	24/07/2017 - 01/10/2017 For 3 Days
Fugro Survey Ltd Fugro Ventura C6CG3	100m 3m	53°18.216'N 001°19.455'E 53°15.226'N 002°05.359'E 52°51.567'N 001°27.429'E	48; 49	08/07/2017 - 31/10/2017 For 49 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		53°27.489'N 001°52.168'E 53°27.461'N 001°53.974'E 53°26.382'N 001°53.926'E 53°26.411'N 001°52.121'E	48	02/06/2017 - 30/09/2017 For 3 Days
Fugro Survey Ltd Mv Fugro Meridian C6QR4		53°07.036'N 002°03.066'E 53°07.005'N 002°04.858'E 53°05.927'N 002°04.806'E 53°05.958'N 002°03.015'E	49	02/06/2017 - 30/09/2017 For 3 Days
Bibby Hydromap Proteus of Liverpool 2HBL7	1300m 3m	52°52.188'N 001°27.315'E 52°55.187'N 001°27.598'E	52	01/05/2017 - 31/08/2017 For 5 Days
Bibby Hydromap Bibby Tethra 2EGF8		53°27.974'N 001°54.431'E 53°28.110'N 001°55.570'E 53°27.455'N 001°55.789'E 53°27.319'N 001°54.651'E	48	10/04/2017 - 30/09/2017 For 2 Days

27 of 28

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Titan Environmental Surveys Ltd Titan Discovery 2HCR3	N/A	51° 26.837'N 003° 53.947'W 51° 29.382'N 003° 49.003'W 51° 28.981'N 003° 39.009'W 51° 24.215'N 003° 32.593'W 51° 24.284'N 003° 10.006'W 51° 26.925'N 003° 09.883'W 51° 26.946'N 003° 08.706'W 51° 23.943'N 003° 09.004'W 51° 21.277'N 003° 15.104'W 51° 21.241'N 003° 18.070'W 51° 22.543'N 003° 41.897'W 51° 26.837'N 003° 53.947'W		September 2017 until March 2018
Titan Environmental Surveys Ltd Titan Endeavour 2ELT9	N/A	51° 26.837'N 003° 53.947'W 51° 29.382'N 003° 49.003'W 51° 28.981'N 003° 39.009'W 51° 24.215'N 003° 32.593'W 51° 24.284'N 003° 10.006'W 51° 26.925'N 003° 09.883'W 51° 26.946'N 003° 08.706'W 51° 23.943'N 003° 09.004'W 51° 21.277'N 003° 15.104'W 51° 21.241'N 003° 18.070'W 51° 22.543'N 003° 41.897'W 51° 26.837'N 003° 53.947'W		September 2017 until March 2018
Bibby Hydromap Bibby Athena 2ICA5 Proteus of Liverpool 2HBL7 Kommandor Iona GAAK Bibby Tethra 2EGF8		53°42.687'N 003°08.985'W 53°42.760'N 003°41.408'W 53°20.032'N 003°41.408'W 53°19.958'N 003°08.985'W	110	23/08/2017 - 30/11/2017 For 45 Days