

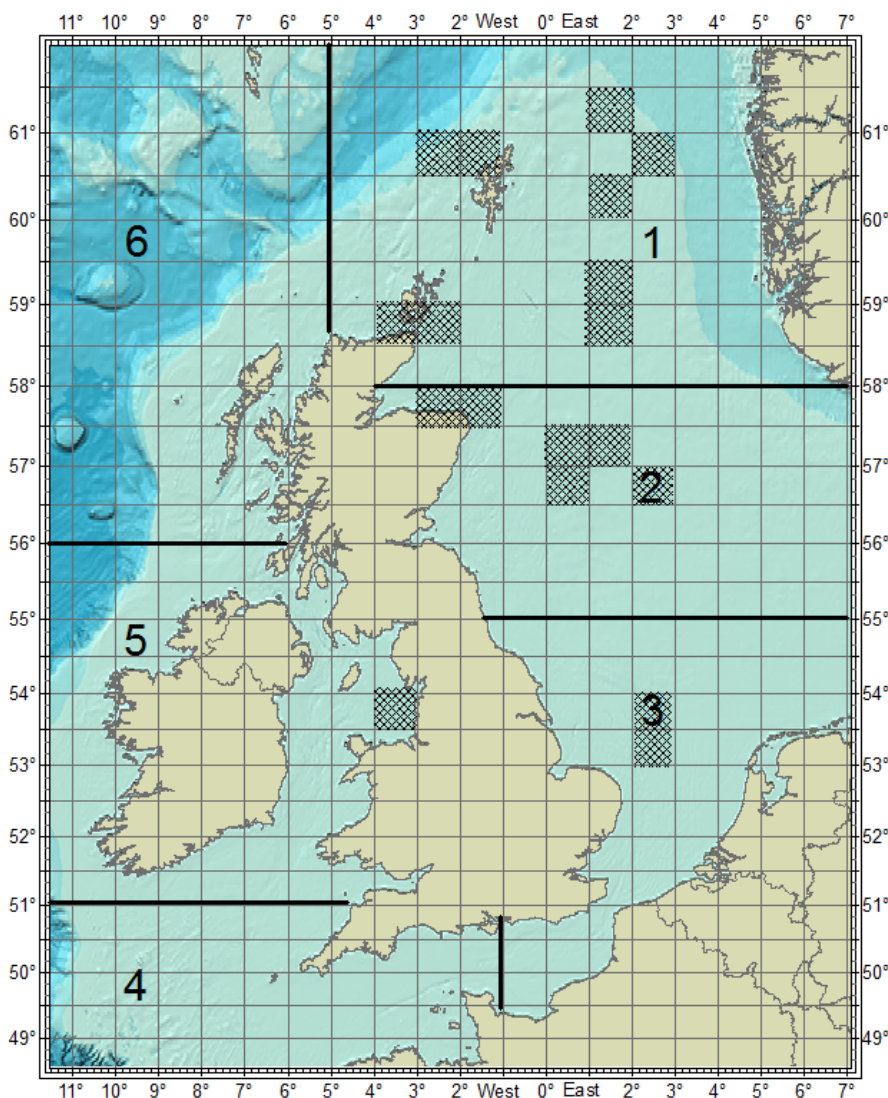
# Kingfisher Bulletin

## Offshore News

Oil & Gas

23 February 2017 | Issue 04

Shaded blocks indicate activity.



What's inside?

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

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1. N/A

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1. N/A

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## Support

The Kingfisher Bulletin is provided by the Kingfisher Information Service of Seafish, to promote the awareness of offshore hazards to fishing, new structures and zones and conflicting offshore operations. Support for the production of oil & gas industry information is received from FLTC Services Ltd and The Scottish Government.



## 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.

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## New Hazards

Area 1	Hazard List			
Hazard Type	Position	Issue Date	Contact Details	Map
Exposed end of cut pipeline	60°00.063'N 001°23.757'E	14 Feb 2017	<a href="mailto:nick.strachan@uk.bp.com">nick.strachan@uk.bp.com</a>	
Chain sections 8-9 links of 76mm chain of about 300kg per section	58°30.315'N 002°04.084'W 58°31.215'N 002°00.070'W	23 Feb 2017	<a href="mailto:Grant.Hastie@subsea7.com">Grant.Hastie@subsea7.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.**

## Notice to Fishermen

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

## Fishing Hazard – Chain Links 8-9 links of 76mm



Potential hazard for fishing vessel at location KP67 , chain sections 8-9 links of 76mm chain of about 300kg per section have been left behind on the seabed.

Position: 58°30.315'N 002°04.084'W northeast to 58°31.215'N 002°00.070'W



For further information: Grant Hardie, Subsea 7, Tel: +44(0)1224 527757 email: [grant.hardie@subsea7.com](mailto:grant.hardie@subsea7.com)

## Notice to Fishermen

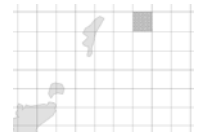
First Published: 23 February 2017 | Latest Update: 23 February 2017

## Fishing Hazard – Exposed end of cut pipeline



The southern end of the decommissioned and rockdumped PL147 10" Gas Pipeline has become exposed and has the potential to provide a snagging hazard.

Position: 61°00.063'N 001°23.757'E



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: 28 January 2016 | Latest Update: 28 January 2016

## FishSAFE Information – FSIv33 Now Available



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

FishSAFE v33 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: 23 February 2017 | Latest Update: 23 February 2017

## Abandoned Wellhead – Structure Removed from Seabed

Please be advised that the abandoned wellhead below, should be removed from your Kingfisher Yellow Card January 2017.

Structure	Operator	Position
16/03d-16Z	Enquest PLC	58°54.645'N 001°26.191'E



For further information: Marcelle Wynter, DECC, Tel: 0300 0671616 [Marcelle.wynter@oga.gsi.gov.uk](mailto:Marcelle.wynter@oga.gsi.gov.uk)

## Pelican Field Programme – Well Abandoning

TAQA Bratani is conducting well intervention operations on both the 211/26a-P15 (PU-p10) and 211/26a-P14 (PU-P19) subsea wells in the Pelican field. Remedial work using coiled tubing will be attempted on PU-p10, to reinstate it as an active producer. If unsuccessful, the well will be abandoned. No remedial work will be undertaken on PU-p19 before abandoning. If both wells are abandoned, this would consist of recovering both xmas trees. The wellheads and flowbases will remain on the seabed, their removal will not form part of these abandonment operations. Permanent abandonment cement plugs, in line with the O&GUK guidelines, will be set and tested.



Operations will be conducted by the Awilco WilPhoenix semi-submersible drilling rig, scheduled to commence on the 1st March 2017 on PU-p10, although this may be delayed attributed to continuing operations within the Devenick field. The rig will remain on the well, and skid across to PU-p19, later in March 2017. The field period may be prolonged until the 31st May 2017, dependent on weather conditions or operational factors.

The *WilPhoenix* is currently located in the Devenick Field UKCS Block 9/29a, conducting a well abandonment.

Well Number	Location	Start / Finish	Description of Work
PU-p10	61°01.984'N 001°07.740'E	01/03/17 – 31/05/2017	Remedial work involving coiled tubing. If unsuccessful, the xmas tree will be recovered and the well abandoned.
PU-p19	61°02.034'N 001°07.773'E	13/03/17 – 31/05/2017	Recover the xmas tree and abandon the well.

Anchor spread coordinates see Anchor List.

**For further information:** Justin Hill, TAQA Bratani, Tel:+44 1224 286212, email: [justin.hill@taqaglobal.com](mailto:justin.hill@taqaglobal.com)

## Beryl Field – Callater Development Project – Bundle Tow

Apache North Sea Ltd. are the operator of UKCS license blocks 9/18a, 9/19b and 9/19c, located to the South West of the Beryl Field Platforms, within which the Callater development is located. Apache propose to develop the Callater field via a new bundle system back to the existing Skene bundle manifold, located approximately 3.85km to the East of Callater. From there, production fluids will be transported through the Skene bundle to the Beryl Alpha Riser Access Tower (RAT) for subsequent processing on the Beryl Alpha platform and onward transportation to the St. Fergus gas terminal.



The bundle was successfully launched from Wick and towed from Sinclair Bay to the Beryl Field where it is located as follows:

Location	Coordinates	Heading
Callater Towhead Padeye	59°26.882'N 001°37.106'E	119.81 Grid

After the provisional round of fixing of the Skene Towhead, the provisional position is as follows:

Location	Coordinates	Heading
Skene Towhead Padeye	59°25.899'N 001°40.726'E	118.54 Grid

### Vessels:

Command Vessel: SUBSEA VIKING – still in field  
 Trail Tug: BB WORKER – returned to port  
 Lead Tugs: SIEM GARNET, SIEM OPAL – returned to port  
 Work Vessel: WHALSA LASS – In field  
 DPSV (Ballasting vessel): OLYMPIC TAURUS  
 Hazards: All pipelines crossed without incident.

### Vessel Mobilisations:

- OLYMPIC TAURUS: 21 Feb 17

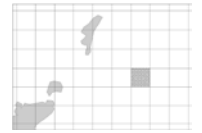
Reference Document: Subsea 7 Document: Apache North Sea Limited, Callater Field Development Project: Bundles Tow  
 Notification: S7 Reference: ET0962-OPS-00097; ANS Reference: BA-15-M0014-BA-P-Q-87-QP-007-Rev\_0

**For further information:** Steve White, Apache North Sea, Tel: 01224 505370 email: [steve.white@apachecorp.com](mailto:steve.white@apachecorp.com)

## Devenick Field Programme – Well Abandoning



TAQA Bratani is planning to abandon the Devenick E&A (9/29a-1) well in the Devenick field. The operations consist of re-entering the well and fully abandoning it. Operations will be conducted from the Awilco WilPhoenix semi-submersible drilling rig and the work is planned to commence around 30th January 2017 and will remain on the well until 11th March 2017. The field period may be prolonged depending on weather conditions and other factors.



The WilPhoenix will be located in the Devenick Field Block 9/29a

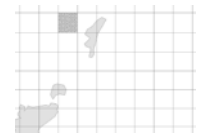
Well Number	Location	Start / Finish	Description of Work
9/29a-1	59°09.851'N 001°37.966'E	30/01/17 – 11/03/2017	Permanently abandon the well as per UKOOA abandonment guidelines

For further information: Derek Harrold, TAQA Bratani, Tel: +44 1224 275557, email: [derek.harrold@taqaqlobal.com](mailto:derek.harrold@taqaqlobal.com)

## Edradour / Glenlivet Field Development – Construction Activities

Please note that TEPUK have two new permanent subsea 500m safety zones which came into effect 14 July 2015 at Edradour & Glenlivet.

MV Norlan (BF362), Call Sign: MYR16, is acting as guard vessel part way between Edradour & Edradour PLEM at the following location: 60° 55.39' N 02° 23.73' W  
 MV Venturous (LK75), Call Sign: MLEY5, is acting as guard vessel part way between Edradour & Glenlivet at the following location: 61° 00.28' N 02° 09.16' W



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

The metocean buoy in the last issue has been removed from the field.

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

## Martin Linge Project – NOCS Blocks 30/4 &amp; 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](mailto:david.colliard@total.com)

## Seabed Activity

First Published: 13 December 2016 | Latest Update: 07 February 2017

## Rowan Gorilla V jack-up rig move – UKCS Block 3/30

Rowan Gorilla V now arrived and drilling at Sween at following location with 500m safety zone;

	<i>Location</i>	<i>Coordinates</i>
	UKCS Block 3/30	60°03.710'N 01°59.130'E



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

## Seabed Activity

First Published: 15 June 2016 | Latest Update: 07 February 2017

## Laggan / Tormore Yell Sound Shetland – Overtrawlability Sweeps

Overtrawlability sweeps are now complete in the following area. TEPUK in discussion with SFF / SFA regarding results, please continue to exhibit caution in this area:

60°45.280'N 001°15.010'W 60°29.050'N 001°15.310'W



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

## Deployment of Buoys

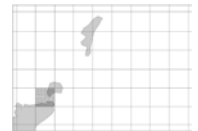
First Published: 12 January 2017 | Latest Update: 23 February 2017

## Pentland Firth – Deployment of ADCP

Deployment of ADCP close to the seabed – up to 10m above seabed. No surface markers in 75m water.

Deployed from 20<sup>th</sup> May 2017 – October 2017

58°43.570'N 003°14.180'W



*For further information: Rory O Hara, Marine Scotland Science, Tel: +44(0)1224 295358 email: [R.Murray@MARLAB.AC.UK](mailto:R.Murray@MARLAB.AC.UK)*

## Culzean Field Pipelines- Construction Activities

Maersk Oil North Sea UK Limited, Culzean Project, informs mariners hereby that they intend to carry out construction activities with the installation of pipelines within the Culzean Field Development Area (Block 22/25A) and extending into other areas towards the CATS pipeline.



Pipeline	Length	From	To
22" Gas Export Pipeline	52km	Culzean 500m zone 57°11.475'N 001°54.582'E	CATS Pipeline T5 57°01.760'N 001°12.199'E
6"/10" Condensate Pipeline (PL4107) with 4" Fuel Gas (PL4108) piggybacked	3.6km	Culzean 500m zone 57°11.475'N 001°54.582'E	Culzean future FSO 500m zone 57°11.729'N 001°57.662'E

Activity	Vessel & Call sign	Date / Duration
Prelay Survey, Boulder removal & Crossing Construction along the pipelines routings	Normand Oceanic LAXM7	4 March for 21 days
Installation of Drag anchor initiation wires in Culzean 500m zone	Siem Opal LAXM	20 March for 3 days
Installation of Gas Export and Condensate c/w fuel gas pipelines	Seven Borealis C6YG8	15 April for 7 weeks
Rock placement on Condensate pipeline	Simon Stevin LXUB	7 May for 2 weeks
Post lay of Gas Export pipeline	Seven Pacific 2DLM3	2 June for 5 days
Rock placement on Gas Export pipeline	Simon Stevin LXUB	16 June for 4 days
Precommissioning of pipelines	Seven Pacific 2DLM3	18 June for 1 week

For further information: Sietze Akkerman, Tel: +44 (0) 1224 242 461, Email: [sietze.akkerman@maerskoil.com](mailto:sietze.akkerman@maerskoil.com)

## Gannet G Field – Development Activity

## Upcoming vessel activity scheduled in the Gannet G Field.



Vessel Name: Polaris  
Duration that the vessel will be in field: 6th March, 7 – 10 days  
Activity the vessel will be undertaking: Pipelay

Geographical coordinates – vessel will be working between Gannet G Isolation Valve Skid 57°13'.594'N 01°00.501'E and Existing Gannet A Isolation Valve Skid Tie-in Flange 57°11.122'N 00°59.968'E

Vessel Name: Saltire  
Duration that the vessel will be in field: 8th March, 5 – 7 days  
Activity the vessel will be undertaking: Trenching

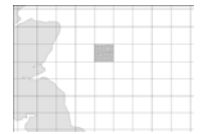
Geographical coordinates - vessel will be working between Gannet G Isolation Valve Skid 57°13'.594'N 01°00.501'E and Existing Gannet A Isolation Valve Skid Tie-in Flange 57°11.122'N 00°59.968'E

For further information: V Munro, Shell, email: [V.Munro@shell.com](mailto:V.Munro@shell.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 000°42.783'E



## Seabed Activity

To date, the following have been successfully 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: Varadero Drilling Template 2:	56°48.366'N 00°42.258'E 56°48.369'N 00°42.337'E
2 x drilling template structure at Catcher drill centre Catcher Drilling Template 1: Catcher Drilling Template 2:	56°46.277'N 00°46.299'E 56°46.321'N 00°46.296'E
2 x drilling template structure at Burgman drill centre Burgman Drilling Template 1: Burgman Drilling Template 2:	56°44.542'N 00°40.640'E 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.
- **Guard Vessel**  
A Scottish Fishermen's Federation guard vessel [MV "Faithful" FR129] is currently monitoring the STP Buoy location.

## Drilling

The ENSCO 100 Drilling Rig is currently on location at the Varadero Drilling Template #1 position (coordinates of Drill Centres above) and will remain at this location until the Spring 2017, when it will move to Burgman Drilling Template #1.

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

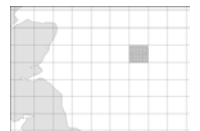
*For further information: Steve Quayle, Tel: 01224 914298 email: squayle@premier-oil.com*

## Seabed Activity

First Published: 09 February 2017 | Latest Update: 09 February 2017

## Harrier Well – Drilling Operations

Ithaca Energy advises that development drilling operations on the Harrier Well 30/6a-ML1 will be undertaken from Enso's self-elevating drilling unit, Enso 122. The scheduled spud date for the drilling operations is around 1st March 2017. There will be a number of vessels supporting the drilling activities, including an ERRV and PSVs, these vessels have not been named as yet, an update will be provided when they are identified. There will also be a Stimulation Vessel in close proximity to the drill rig during this campaign; this will be the Big Orange XVIII.



Drilling Rig/Ship	Installation / Well No	Position	Start / Finish
Enso 122	Harrier Well 30/6a-ML1	56°43.564'N 002°05.327'E	01/03/17

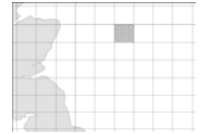
*For further information: Keith Stewart Tel: 01224 652184 Email: kstewart@ithacaenergy.com*

## Montrose BLP Project – Development Operations



## Offshore campaigns currently in progress or upcoming;

- Prosafe Operated Safe Boreas arrived at Montrose A 14th March. Flotel will operate in Combined Operations with the Montrose installation for 9-12 months.
- Nobel Regina Allen jack-up - On location 27th September, providing accommodation at Montrose A for 6 months.



Please note: HSE recognised 500m Safety Zone are now in force at the following:

Cayley drill centre 57°25.167'N 001°13.804'E Cayley/Montrose intermediate towhead 57°26.160'N 001°18.420'E  
Shaw Production drill centre 57°17.813'N 001°21.755'E Shaw WI drill centre 57°17.369'N 001°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" Langede 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°22.000'N 01°20.25'E	CATS T2

For further information: Lilla Onodi, Talisman, Tel:+44 (0)1224 358867 email: [Lonodi@talisman-sinopec.com](mailto:Lonodi@talisman-sinopec.com)

## Deployment of Buoys

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

## Aberdeen Harbour – Moored Scientific Equipment

Marine Scotland Science have installed 35 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 hold research equipment that support hydrophone receivers that log the presence of salmon smolts tagged with acoustic ID tag transmitters migrating from the River Dee. Below a table with the as laid locations of these moorings. Deployed on 15<sup>th</sup> February 2017. The moorings will be removed by the 30th of August 2017.



All of the moorings will have no surface markers and will be located on the seabed, 33 will extend vertically no more than 2 metres, the remaining 2 (No 35 & 36) will have riser lines with scientific instruments at depths greater than 12m (LAT). All will be acoustically released and the entire mooring will be recovered.

All enquiries should be made to the Marine Scotland marine mammal acoustics mailbox ([acoustics@scotland.gsi.gov.uk](mailto:acoustics@scotland.gsi.gov.uk)).

Number	Coordinates	Depth	Number	Coordinates	Depth
2	57°10.693'N 002°03.994'W	-4	20	57°08.273'N 001°59.999'W	-40
3	57°10.689'N 002°03.617'W	-7	21	57°08.072'N 002°00.063'W	-40
4	57°10.549'N 002°03.274'W	-10	22	57°07.874'N 002°00.162'W	-40
5	57°10.485'N 002°02.918'W	-12	23	57°07.681'N 002°00.298'W	-40
6	57°10.435'N 002°02.548'W	-14	24	57°07.498'N 002°00.464'W	-38
7	57°10.359'N 002°02.205'W	-17	25	57°07.324'N 002°00.662'W	-40
8	57°10.260'N 002°01.876'W	-20	26	57°07.160'N 002°00.888'W	-40
9	57°10.141'N 002°01.564'W	-23	27	57°07.010'N 002°01.144'W	-37
10	57°10.125'N 002°01.247'W	-26	28	57°06.875'N 002°01.423'W	-33
11	57°09.981'N 002°00.984'W	-28	29	57°06.752'N 002°01.725'W	-34
12	57°09.820'N 002°00.742'W	-30	30	57°06.646'N 002°02.048'W	-33
13	57°09.651'N 002°00.531'W	-32	31	57°06.556'N 002°02.387'W	-30
14	57°09.470'N 002°00.356'W	-34	32	57°06.485'N 002°02.741'W	-27
15	57°09.281'N 002°00.210'W	-35	33	57°06.436'N 002°03.105'W	-24
16	57°09.086'N 002°00.094'W	-36	34	57°06.400'N 002°03.476'W	-22
17	57°08.884'N 002°00.019'W	-37	35	57°06.822'N 002°01.450'W	-33
18	57°08.681'N 001°59.977'W	-38	36	57°09.550'N 002°00.354'W	-33
19	57°08.476'N 001°59.972'W	-39			

For further information: Robert Main, Marine Scotland Science, Tel: +44(0)1224 295687 email: [Robert.Main@gov.scot](mailto:Robert.Main@gov.scot)

**Ann Template – Well Abandoning**

The vessel MV Seawell will be at the Ann template, at the following location until approximately 14th March 2017.

53°42.933'N 002°03.368'E

The vessel will then make a port call, before traversing to the Audrey 11a-7 well location 53°32.475'N 02°00.539'E around the 15th March 2017, where it will provide dive support for a period of approximately 7 days. It will then return to the Ann field (Ann A4) at the following location until the planned demobilisation date of 28th April 2017:

53°42.933'N 02°03.424'E

This schedule is subject to change depending on operational requirements.



*For further information:* Lyndsay Arthur, Centrica, Tel: +44(0) 1224 415 150 email: [Lyndsay.arthur@centrica.com](mailto:Lyndsay.arthur@centrica.com)

**Deployment of Buoys**

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

**Sean Romeo and Sean Papa – Mooring Buoy Deployment**

Please be advised of the following seabed activity from 7th of March. Installation of 2 mooring buoys on sea bed for standby vessel mooring. To be completed by construction support vessel AETHRA (IMO 9181481).

At 2 locations between the Sean Romeo and Sean Papa platforms owned by Oranje-Nassau Energie. Quad/Block: 49/25a

Location Name	Coordinates
Sean Romeo	53°12.150'N 002°51.133'E
Sean Papa	53°11.083'N 002°49.017'E



*For further information:* Linda Murray, Orange-Nassau Energie UK Ltd Tel: 01603 567239 email: [linda.murray@onebv.com](mailto:linda.murray@onebv.com)

**Liverpool Bay – Drilling Operations**

Petrofac drilling operations

Drilling Rig/Ship	Installation / Well No	Position	Start / Finish	Duration
Irish Sea Pioneer	Lennox Field 110/13HN	53°38.782'N 003°28.686'W	01/03/17	30 Days



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

## Area 1 Rig List

Latest Update: 20 February 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Blackford Dolphin	58°18.10'N 01°42.40'E		Rowan Gorilla 5	60°03.71'N 01°59.13'E
	Maersk Integrator	58°34.30'N 01°41.80'E		Transocean Spitsbergen	60°15.60'N 03°32.80'W
New	Deepsea Atlantic	58°47.10'N 02°35.80'E		Deepsea Aberdeen	60°20.00'N 04°06.00'W
	Rowan Viking	58°50.60'N 02°14.90'E		Maersk Intrepid	60°30.30'N 02°00.80'E
	Maersk Interceptor	58°55.30'N 02°11.80'E		Safe Scandinavia	60°41.90'N 02°55.90'E
New	Wilphoenix	59°09.90'N 01°37.90'E		Flotel Victory	60°44.20'N 02°29.90'W
				Songa Equinox	60°49.80'N 03°34.20'E
	Transocean Arctic	59°29.70'N 01°57.90'E		COSL Promoter	60°52.50'N 03°29.60'E
	Ocean Patriot	59°32.00'N 01°24.40'E		West Elara	61°02.30'N 02°20.30'E
	Noble Lloyd Noble	59°35.40'N 01°03.40'E	New	Scarabeo 5	61°08.00'N 03°32.00'E
	Transocean Leader	59°53.90'N 01°16.90'E		Bideford Dolphin	61°28.00'N 01°59.60'E
				Paul B Loyd Jr	61°40.10'N 01°22.20'E

## Area 2 Rig List

Latest Update: 20 February 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	EnSCO 71	55°28.70'N 05°06.50'E		COSL Rival	56°41.80'N 02°20.30'E
	Maersk Resilient	55°34.70'N 04°45.60'E		EnSCO 100	56°48.40'N 00°42.30'E
	Noble Sam Turner	55°38.40'N 04°53.10'E		GSF Galaxy 1	57°00.79'N 01°50.37'E
	Maersk Guardian	55°43.30'N 04°48.00'E		Prospector 5	57°00.80'N 01°50.50'E
	Seafox 5	55°46.10'N 04°38.90'E		Noble Hans Deul	57°01.90'N 01°57.30'E
	EnSCO 121	55°52.90'N 04°14.00'E	New	Maersk Highlander	57°11.70'N 01°54.80'E
	Maersk Innovator	56°22.60'N 03°15.50'E		Noble Regina Allen	57°27.00'N 01°23.20'E
New	Ocean Valiant	56°23.70'N 02°15.30'E			

## Area 3 Rig List

Latest Update: 20 February 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Paragon Prospector 1	52°05.40'N 03°58.60'E		GMS Endurance 6101	53°32.00'N 02°15.30'E
	Seafox 4	53°03.20'N 02°11.30'E		Rowan Gorilla VII	54°03.30'N 01°02.10'E
	590021	53°14.00'N 03°14.50'E		Seafox 2	54°04.40'N 00°54.90'E
	EnSCO 92	53°14.90'N 02°17.80'E		EnSCO 80	54°36.00'N 02°11.80'E
	Atlantic Amsterdam	53°15.30'N 00°52.00'E		Seafox 7	54°36.00'N 02°11.80'E
	EnSCO 72	53°23.60'N 04°12.10'E		EnSCO 101	54°51.20'N 04°41.80'E

## Area 5 Rig List

Latest Update: 20 February 2017

MOVEMENT	RIG	POSITION	MOVEMENT	RIG	POSITION
	Irish Sea Pioneer	53°37.90'N 03°10.60'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: 23 February 2017

**Wilphoenix – At PU-p10**

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig		3	61°02.379'N 001°54.318'W	6	61°02.167'N 001°51.263'W
1	61°01.067'N 001°53.040'W	4	61°02.883'N 001°53.341'W	7	61°01.766'N 001°50.953'W
2	61°01.562'N 001°54.069'W	5	61°02.614'N 001°51.616'W	8	61°01.049'N 001°51.501'W

**PBLJ – At the Magnus D6 Well**

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°40.062'N 001°22.068'E	3	61°40.440'N 001°24.036'E	6	61°39.060'N 001°21.804'E
1	61°40.980'N 001°21.282'E	4	61°39.690'N 001°24.024'E	7	61°39.684'N 001°20.100'E
2	61°40.992'N 001°22.848'E	5	61°39.126'N 001°22.866'E	8	61°40.446'N 001°20.070'E

**Deepsea Aberdeen – As-Laid At Schiehallion West Drill Centre**

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	60°19.356'N 004°09.156'W	3	60°21.096'N 004°04.992'W	6	60°17.742'N 004°04.620'W
1	60°20.376'N 004°09.192'W	4	60°20.424'N 004°03.684'W	7	60°18.378'N 004°07.116'W
2	60°21.480'N 004°06.972'W	5	60°19.314'N 004°01.152'W	8	60°19.920'N 004°06.072'W

**Ocean Guardian – Anchors as Laid at Western Isles South Drill Centre**

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	61°11.770'N 00°43.640'E	3	61°12.410'N 00°43.130'E	6	61°11.450'N 00°44.180'E
1	61°11.570'N 00°42.240'E	4	61°12.430'N 00°44.050'E	7	61°10.770'N 00°43.180'E
2	61°12.000'N 00°42.320'E	5	61°12.020'N 00°45.050'E	8	61°10.880'N 00°43.210'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

**Captain FPSO**

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°18.296'N 01°44.658'W	3	58°18.529'N 01°42.623'W	6	58°17.542'N 01°41.653'W
1	58°18.148'N 01°43.413'W	4	58°18.430'N 01°41.829'W	7	58°17.389'N 01°42.489'W
2	58°18.391'N 01°43.139'W	5	58°17.919'N 01°41.275'W	8	58°17.630'N 01°43.494'W

**Glen Lyon – FPSO**



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

**Ocean Valiant – Pre-Laid At Bagpuss Well**

Anchor No.	Chain Pennant	Chain End	Anchor
1	58°12.450'N 01°10.240'W	58°12.420'N 01°10.380'W	58°12.180'N 01°11.590'W
2	58°12.510'N 01°10.220'W	58°12.540'N 01°10.360'W	58°12.800'N 01°11.540'W
3	58°12.600'N 01°10.110'W	58°12.670'N 01°10.170'W	58°13.280'N 01°10.650'W
4	58°12.580'N 01°09.980'W	58°12.660'N 01°09.920'W	58°13.280'N 01°09.420'W
5	58°12.510'N 01°09.880'W	58°12.540'N 01°09.730'W	58°12.800'N 01°08.530'W
6	58°12.320'N 01°09.270'W	58°12.370'N 01°09.400'W	58°12.030'N 01°08.650'W
7	58°12.410'N 01°10.000'W	58°12.330'N 01°09.940'W	58°11.680'N 01°09.440'W
8	58°12.430'N 01°10.070'W	58°12.360'N 01°10.110'W	58°11.710'N 01°10.520'W

## Deepsea Atlantic – Prelayed Anchors at Johan Sverdrup



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	58°50.088'N 002°33.021'E	3	58°51.440'N 002°33.992'E	6	58°48.948'N 002°33.878'E
1	58°50.510'N 002°30.809'E	4	58°50.602'N 002°35.620'E	7	58°49.001'N 002°31.942'E
2	58°51.557'N 002°31.514'E	5	58°49.666'N 002°35.239'E	8	58°49.496'N 002°30.036'E

Extra...

## 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

## Paragon MSS1 – Telford H2 Well



Anchor No.	Anchor Position	Laydown Pennant s	Anchor Position	Laydown Pennant s
Well	58°12.320'N 00°16.720'E		7	58°11.760'N 00°17.300'E
1	58°12.850'N 00°16.160'E	58°12.930'N 00°16.050'E	8	58°11.690'N 00°16.720'E
2	58°12.940'N 00°16.720'E	58°12.950'N 00°16.580'E	9	58°11.770'N 00°16.150'E
3	58°12.840'N 00°17.270'E	58°12.900'N 00°17.130'E	10	58°12.020'N 00°15.690'E
4	58°12.610'N 00°17.720'E	58°12.680'N 00°17.660'E	11	58°12.320'N 00°15.500'E
5	58°12.320'N 00°17.860'E	58°12.320'N 00°18.000'E	12	58°12.620'N 00°15.670'E
6	58°12.020'N 00°17.760'E	58°11.990'N 00°17.880'E		58°12.660'N 00°15.550'E

Area 2

Anchor List

Latest Update: 01 November 2016

## West Phoenix – At Invergordon Anchorage

West Phoenix at Offshore Invergordon Anchorage, Moray Firth with anchors deployed. Offhire from TEPUK, but TEPUK want to publish final position. The DP3 semi-submersible Rig West Phoenix is currently at an offshore Invergordon anchorage, Moray Firth

Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°42.560'N 03°52.550'W	3	57°43.710'N 03°53.420'W	6	57°42.190'N 03°50.840'W
1	57°42.140'N 03°54.500'W	4	57°43.720'N 03°51.690'W	7	57°41.650'N 03°51.870'W
2	57°43.150'N 03°54.140'W	5	57°43.000'N 03°50.520'W	8	57°41.640'N 03°53.250'W

## 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		

## Ocean Patriot – As Laid at Pierce A12 Well



Anchor No.	Position	Anchor No.	Position	Anchor No.	Position
Rig	57°10.081'N 002°15.560'E	5	57°09.323'N 002°16.412'E	# 7 Pennant End	57°09.638'N 002°14.153'E
1	57°10.622'N 002°14.944'E	# 5 Pennant End	57°09.263'N 002°16.466'E	8	57°10.298'N 002°14.428'E
2	57°10.691'N 002°15.793'E	6	57°09.382'N 002°15.260'E	# 8 ROV Survey	57°10.362'N 002°14.457'E
3	57°10.369'N 002°16.396'E	# 6 Pennant End	57°09.316'N 002°15.228'E		
4	57°09.971'N 002°16.677'E	7	57°09.671'N 002°14.261'E		

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## Area 1 Survey List

Latest Update: 23 February 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
MMT Seabeam - 2BGN2		60°12.000'N 001°13.000'W 60°26.000'N 000°43.000'W 60°30.000'N 001°05.000'W		24/02/2017 For 90 days
MMT Seabeam - 2BGN2 Icebeam - SFKH		60°38.000'N 001°20.000'W 60°53.000'N 000°40.000'W		24/02/2017 For 23 days
Total E&P UK Limited TBA	2 m 4m	58°29.464'N 000°33.369'E	15	01/03/2017 - 30/06/2017 For 1 Day
Fugro Survey Ltd M V Fugro Galaxy C6YY4	400m 4m	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	01/02/2017 - 14/03/2017 For 5 Days
Schlumberger Oilfield UK plc Transocean Spitsbergen V7ZS8		60°15.603'N 003°32.900'W	205	01/01/2017 - 28/02/2017 For 1 Day
Baker Hughes Wireline Ocean Valiant V7EB7		59°20.232'N 001°36.301'E	9	20/10/2016 - 28/02/2017 For 1 Day
Gardline Geosurvey Limited Ocean Reliance J8B2707		59°35.849'N 001°39.467'E 59°35.932'N 001°47.967'E 59°31.623'N 001°48.121'E 59°31.540'N 001°39.638'E	9	23/09/2016 - 30/04/2017 For 4 Days

## Area 2 Survey List

Latest Update: 23 February 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Subsea 7 Normand Oceanic LAXM7		57°01.742'N 001°12.190'E 57°11.475'N 001°54.582'E	22	03/03/2017 - 31/03/2017 For 28 Days
Gardline Geo Survey MV Kommandor PBQW		56°57.524'N 001°51.119'E 56°58.445'N 001°51.090'E 56°58.461'N 001°52.919'E 56°57.540'N 001°52.946'E	29	24/02/2016 - 30/06/2017 For 3 Days
Repsol Sinopec Resources UK Ltd TBC	1200m 4m	57°29.686'N 001°26.459'E 57°26.023'N 001°26.616'E 57°25.930'N 001°19.324'E 57°29.593'N 001°19.156'E	22	16/02/2016 - 30/06/2017 For 5 Days
Total E&P UK Limited TBA		57°00.695'N 001°50.310'E	22	15/02/2017 - 01/08/2017 For 1 Day
TBC	3m 75m	57°21.228'N 001°20.789'E 57°21.294'N 001°25.173'E 57°23.661'N 001°25.073'E 57°23.594'N 001°20.673'E	22	22/01/2017 - 22/03/2017 For 3 Days
Repsol Sinopec Resources UK Ltd MV Kommandor PBQW	3m 75m	57°19.444'N 001°18.139'E 57°15.127'N 001°18.340'E 57°15.228'N 001°26.290'E 57°19.544'N 001°26.106'E	22	22/01/2017 - 22/03/2017 For 3 Days

## Area 3 Survey List

Latest Update: 23 February 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	6000m / 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	01/10/2016 - 31/07/2017 For 2 Days
Fugro Survey Fugro Galaxy C6YY4	3m 600m	54°34.381'N 001°18.744'E 54°33.573'N 001°22.067'E 54°30.056'N 001°17.996'E 54°31.896'N 001°14.674'E	43	25/01/2017 - 05/04/2017 For 7 Days
Fugro Survey Fugro Galaxy C6YY4	3m 600m	54°29.300'N 001°21.779'E 54°27.193'N 001°25.565'E 53°24.710'N 001°21.502'E 53°26.814'N 001°17.716'E	43	25/01/2017 - 05/04/2017 For 7 Days
Fugro Engineers B.V		54°14.543'N 002°30.897'E 54°14.546'N 002°31.818'E 54°15.625'N 002°31.805'E 54°15.621'N 002°30.884'E	44	21/02/2017 - 30/04/2017 For 5 Days
Gavin Hulmston TBC		54°03.244'N 001°01.985'E	43	23/01/2017 - 28/05/2017 For 1 Day

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Gardline MV Confident MV Vigilant		51°26.626'N 001°29.789'E 51°34.110'N 001°22.670'E 51°34.645'N 001°34.892'E 51°37.990'N 001°45.950'E 51°40.710'N 001°12.359'E 50°27.431'N 001°52.657'E 51°26.626'N 001°29.789'E		23/01/2017 - 23/02/2017 For 4 Weeks
Bibby Hydromap Bibby Tethra 2EGF8		54°27.183'N 002°28.315'E 54°27.187'N 002°29.243'E 54°26.641'N 002°28.322'E 54°26.641'N 002°29.250'E	44	20/01/2017 - 28/02/2017 For 1 Day
Bibby Hydromap Bibby Tethra 2EGF8		53°25.104'N 001°15.869'E 53°25.117'N 001°16.774'E 53°24.566'N 001°15.892'E 54°24.580'N 001°16.795'E 53°33.024'N 001°21.085'E 53°33.038'N 001°21.998'E 53°32.483'N 001°21.103'E 53°32.496'N 001°22.019'E 53°24.841'N 001°16.341'E 53°24.558'N 001°22.418'E 53°24.396'N 001°22.480'E 53°32.762'N 001°21.544'E	48	20/01/2017 - 28/02/2017 For 6 Days
Bibby Hydromap Bibby Tethra 2EGF8		54°07.079'N 000°27.122'E 54°07.099'N 000°28.039'E 54°06.540'N 000°27.155'E 54°06.560'N 000°28.072'E	42	20/01/2017 - 28/02/2017 For 1 Day
Gardline MV Titan Discovery 2HCR3 MV Titan Endeavour 2ELT9		52°05.210'N 001°34.800'E 52°16.860'N 001°37.750'E 52°19.980'N 001°41.080'E 52°19.980'N 001°44.220'E 52°03.210'N 001°39.140'E		January - March 2017

## Area 5 Survey List

Latest Update: 23 February 2017

Company & Vessels	Towed Cable Length & Depth	Area Covered 1 (inc Quod Blocks)	Area Covered 2 (inc Quod Blocks)	Duration
Bibby Hydromap Bibby Tethra 2EGF8		53°37.552'N 003°40.389'W 53°32.234'N 003°34.781'W	110	21/02/2017 - 31/03/2017 For 5 Days