

ACOPS

ADVISORY COMMITTEE ON PROTECTION OF THE SEA

**ANNUAL SURVEY OF REPORTED DISCHARGES
ATTRIBUTED TO VESSELS AND OFFSHORE OIL AND GAS
INSTALLATIONS OPERATING IN THE UNITED KINGDOM
POLLUTION CONTROL ZONE
2013**

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A survey conducted on behalf of the Maritime and Coastguard Agency

Cambridge, March 2014

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SUMMARY

The Maritime and Coastguard Agency (MCA) exercises Central Government's statutory responsibilities for taking action when oil or hazardous and noxious substances emanating from any at-sea activity threatens the United Kingdom or its surrounding waters. As part of its commitment to provide cleaner seas around the United Kingdom, the MCA publishes, via ACOPS, an annual survey of reported discharges and releases attributed to vessels and offshore oil and gas installations operating in the United Kingdom Pollution Control Zone (UKPCZ). The annual survey results complement historical data and records and enable MCA's Counter Pollution and Response (CPR) team to monitor trends in the number of incidents, the amount of oil and chemicals spilled, the geographical distribution of spills, the sources of pollution and the nature of the pollution.

Following analysis of 1,686 incident reports and supporting information, 670 accidental discharges from vessels and releases from offshore oil and gas installations were identified in the survey area during 2013. A 6% increase was evident in the total number of incidents reported from all sources over the previous year's total.

A total of 144 vessel-sourced discharges were reported during 2013 which was 11 fewer than the previous year's total and significantly fewer than the mean annual total of 193 reported discharges between 2000 and 2012.

A total of 525 accidental releases were reported by offshore oil and gas installations operating in the open sea during 2013 representing a 10.5% increase on the previous year's total.

Further analysis of these statistics showed that the total of 315 oil reports from offshore oil and gas installations during 2013 was the highest recorded since 2002 and 33 more than the mean annual total of 277 releases reported between 2000 and 2012. Estimated volumes of releases showed that 57% were less than 5 litres.

The total of 210 non-mineral oil releases by offshore installations during 2013, primarily those involving chemical substances, was 19 fewer than the total recorded during the previous year.

The reported incidents from all sources during 2013 comprised 66.9% mineral oils, 31.9% chemicals (including oil-based mud) and 1.2% other substances (including vegetable and animal oils).

Approximately 84% of all accidental discharges and releases were reported as being in the open sea, 10% were in ports and harbours and 4% were across the remaining marine environmental zones. Survey respondents submitted details of 67 incidents involving accidental discharges from vessels and oil rigs operating in ports and harbours during 2013 which was 39 fewer compared with the mean annual total of 106 discharges

between 2000 and 2012. Thirteen beach pollution incidents were reported during 2013 which was the highest total recorded since 2003 and 6 more than the mean annual total of 7 incidents reported between 2000 and 2012.

Estimated volumes of accidental discharges and releases were recorded in 617 incident reports (including ongoing releases), or 92% of the total. The modal class for oil discharges and releases was less than 455 litres but larger estimated volumes of between 456 litres and 56.2 tonnes were recorded in 6 of the 11 survey enumeration areas. In total, 9% of all oil discharges and releases (including ongoing releases) were greater than 455 litres, when this information was recorded, compared with 10% during the previous year.

The largest oil incident, with an estimated maximum volume of 56.2 tonnes, was reported by the *Claymore Alpha* installation on 2 October after a lubrication oil drain on a gas compressor was found to have been incorrectly routed to the sea. The resulting surface sheen later dispersed naturally without posing a risk to the shoreline.

The modal class for chemical incidents was also less than 455 litres but 47 releases, or 22% of the total (including 7 ongoing releases), were of 1 tonne or more. The largest chemical incident involving a release of 189,300 kg of monoethylene glycol, was caused by a storage tank control and indication system failure at the *Clipper PT* installation on 2 September.

At least 19 confirmed discharges were attributed to vessel casualties including 11 fishing vessels, 7 pleasure craft and workboats and a tug. Nine vessel-casualty spills occurred in nearshore waters, 8 in ports and the remainder in the open sea. The largest vessel-casualty spill of 10 tonnes of gas oil occurred after the MFV *Scuderia* (113.84 gt, built 1988) ran aground on rocks at Lankidden Cove in south Cornwall on 29 August. Salvors later recovered the vessel after the remaining fuel on board had been removed. The skipper of the trawler appeared before Truro Magistrates' Court on 6 September 2013 and was ordered to pay £11,155 in fines and costs after pleading guilty to endangering his vessel and crew.

Reporting organisations submitted details of 2 successful prosecutions brought by the competent authorities for marine pollution offences during 2013. The owners of the oil/chemical tanker *Maersk Kiera* (24,463 gt, built 2011) paid a total of £22,500 in fines and costs following a discharge of palm oil slops between Lands End and the Scilly Isles on 25 February 2012. This was the first time satellite imagery had been successfully used as primary evidence in a maritime prosecution brought by the Maritime and Coastguard Agency.

Observations from air surveillance patrols and a satellite surveillance programme were again employed by the MCA and DECC to help identify discharges and releases at sea.

SECTION 1: INTRODUCTION AND SURVEY DESIGN

1.1 INTRODUCTION

1.1.1 Since 1965 the Advisory Committee on Protection of the Sea (ACOPS) has compiled statistics and other information on different types of marine pollution in the waters around the British Isles. The competent authorities and other stakeholder groups have used this information for a wide range of purposes including policy and planning decisions, evaluations of particular programmes, assessments of regulatory compliance levels, development of risk assessment models and to support educational campaigns. Examples of organisations that have consulted the survey data include the Department for Transport, European Commission, International Maritime Organisation, Local Authority Associations, Marine Management Organisation, the Scottish Government and the Welsh Assembly Government.

1.1.2 The Maritime and Coastguard Agency (MCA) exercises Central Government's statutory responsibilities for taking action when oil or other hazardous and noxious substances emanating from any at-sea activity threatens the United Kingdom or its surrounding waters. As part of its commitment to provide cleaner seas around the United Kingdom, the MCA publishes, via ACOPS, an annual survey of reported discharges and releases attributed to vessels and offshore oil and gas installations operating in the United Kingdom Pollution Control Zone (UKPCZ). The survey results complement historical data and records and enable MCA's Counter Pollution and Response (CPR) Team to monitor trends in the number of incidents, the amount of oil and chemicals spilled, the geographical distribution of spills, the source of pollution and the nature of the pollution.

1.2 SURVEY DESIGN

1.2.1 In accordance with the MCA's survey specification a two-page questionnaire was designed to capture information relating to discharges of oil and other hazardous and noxious substances from vessels and offshore oil and gas installations. The survey area included the UKPCZ and adjacent areas of jurisdiction including ports, harbours and tidal stretches of rivers and estuaries. The boundaries of the UKPCZ are shown in **Figure 2**. The survey questionnaire and accompanying guidelines are provided in **Appendix 2**.

1.2.2 The survey questionnaire was distributed to the appropriate representatives of coastal local authorities, port and harbour authorities, national environment agencies and animal welfare groups. In addition, questionnaire responses were supplemented with Petroleum Operation Notices (PON 1s) provided by the Department of Energy and Climate Change's (DECC) Offshore Environment Unit and Pollution Reports (POLREPS) provided by the MCA. PON 1s are submitted to DECC by offshore oil and gas installations operators for all unpermitted oil or chemical releases to sea regardless of the volume lost. The resulting information was entered into a

database identifying separate pollution incidents by date, location and other survey attributes.

- 1.2.3** Following analysis of data the survey results were presented in a range of different formats. In **Section 2** descriptive statistics are provided for reported discharges and releases including some numerical trends with 2000 as the base year and also including categories and types of polluting substances, geographical locations and distributions of incidents, amount and extent of reported pollution, sources, details of prosecutions brought by the competent authorities and reporting effort.
- 1.2.4** In **Section 3** summary reports are provided for all larger discharges and releases of 2 tonnes or more. Further information is provided in **Section 4** for each of 11 geographical areas around the United Kingdom including the causes of particular incidents and counter-pollution responses where appropriate.
- 1.2.5** Elements of the survey quality assurance programme are outlined in **Section 5** including the number of incident reports compiled from information submitted by two or more reporting organizations. Moreover, the current database is provided in **Appendix 1** as part of the quality assurance programme in order to ensure the reliability and accuracy of the survey results. This is further enhanced by posting the survey report on the MCA's website as a publicly available document for scrutiny by all interested stakeholder groups.
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SECTION 2: DESCRIPTIVE STATISTICS AND TREND ASSESSMENTS

2.1 NUMERICAL TRENDS IN REPORTED DISCHARGES

- 2.1.1** Following analysis of 1,686 incident reports and supporting information, 670 separate discharges from vessels and releases from offshore oil and gas installations were identified within the survey area during 2013. A 6% increase was evident in the total number of incidents reported over the previous year's total.
- 2.1.2** Trends in annual totals for reported discharges between 2000 and 2013 are displayed in **Figure 1**, including separate line graphs for vessels and offshore oil and gas installations.
- 2.1.3** A total of 144 vessel-sourced discharges were reported during 2013 which was 11 fewer than the previous year's total and significantly fewer than the mean annual total of 193 reported discharges between 2000 and 2012.
- 2.1.4** A total of 525 accidental releases were reported by offshore oil and gas installations operating in the open sea during 2013 representing a 10.5% increase on the previous year's total.
- 2.1.5** Further analysis of these statistics showed that the total of 315 oil releases from offshore oil and gas installations operating in the open sea during 2013 was the highest total recorded since 2002 and 33 more than the mean annual total of 277 releases reported between 2000 and 2012. Estimated volumes of releases showed that 57% were less than 5 litres.
- 2.1.6** The total of 210 non-mineral oil releases by offshore installations during 2013, primarily those involving chemical substances, was 19 fewer than the total recorded during the previous year. Further details are provided in **Appendix 1**.

2.2 CATEGORIES OF REPORTED DISCHARGES

- 2.2.1** In **Table 1** statistics are provided showing the different categories and numbers of discharges and releases reported during 2012 and 2013 for each of 11 enumeration areas. Geographical boundaries of each enumeration area and the complete survey area are shown in **Figure 2**. It should be noted that the statistics for discharges and releases in the United Kingdom Continental Shelf (UKCS) Oil and Gas enumeration area have been presented in two source categories: offshore oil and gas installations, and vessels.
- 2.2.2** The discharges and releases from all sources reported during 2013 comprised 66.9% mineral oils, 31.9% chemicals (including oil-based mud) and 1.2% other substances (including vegetable and animal oils). During 2013 there were no reports of any garbage discharge incidents.

Figure 1: Annual totals for reported discharges and releases attributed to vessels and offshore oil and gas installations 2000-2013.

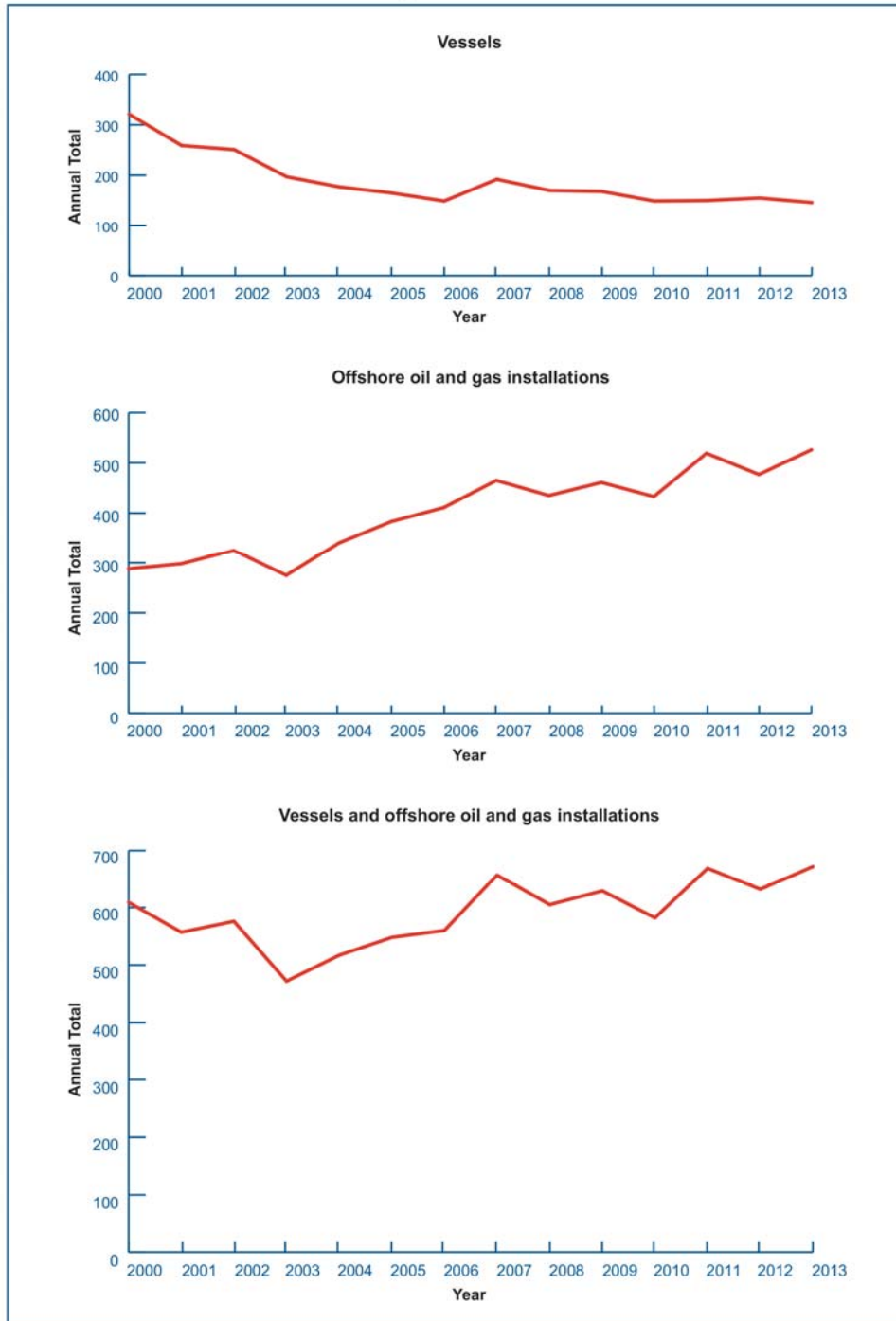


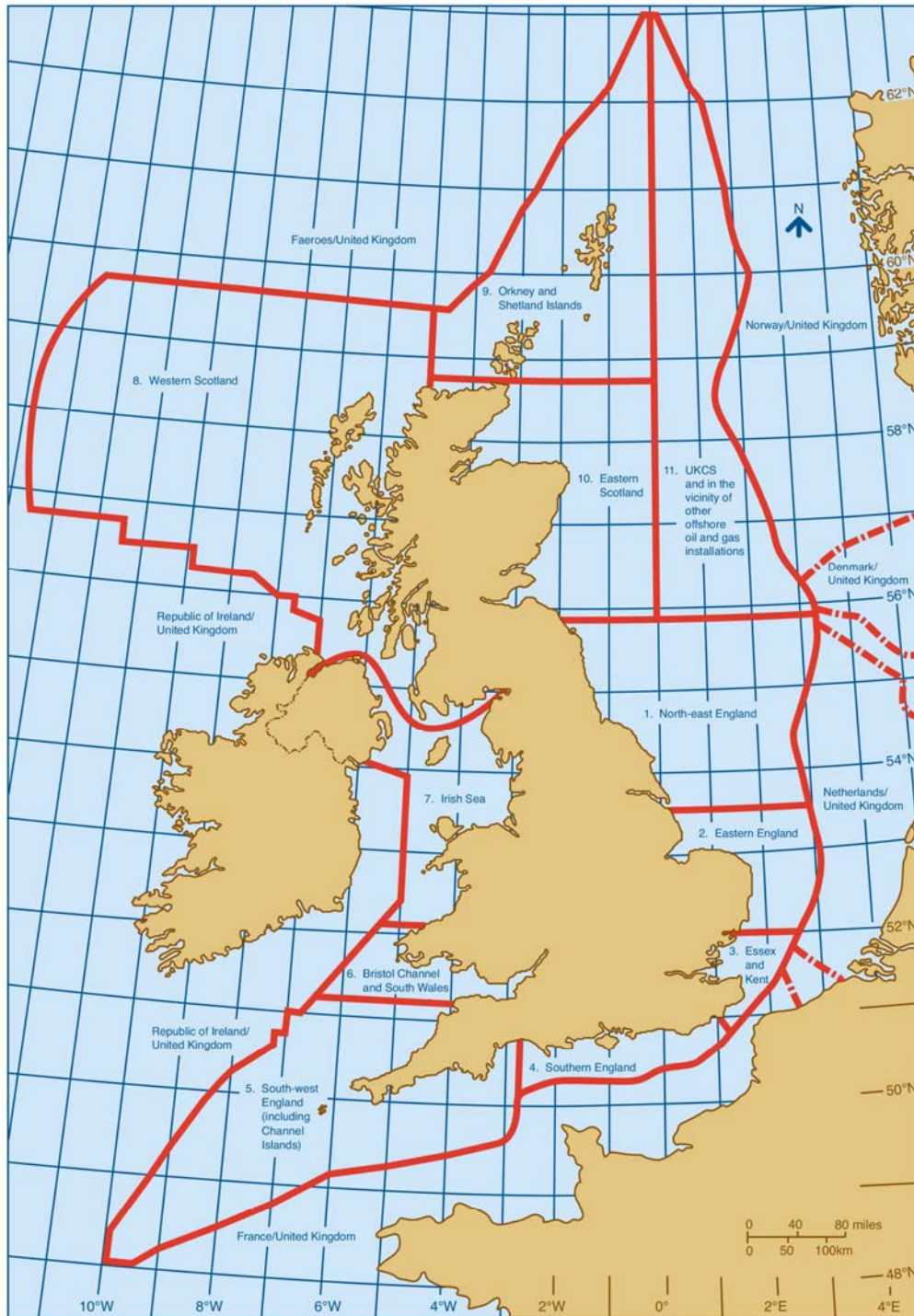
TABLE 1: TOTAL INCIDENTS REPORTED BY CATEGORY OF POLLUTION AND ENUMERATION AREA FOR 2012 AND 2013 ^(a).

Enumeration Area	Mineral oils	Garbage	Vegetable & animal oils	Chemicals	Other substances	Totals
1. North-east England	17 (12)	- (-)	1 (-)	2 (-)	- (1)	20 (13)
2. Eastern England	4 (5)	- (-)	1 (-)	- (-)	- (-)	5 (5)
3. Essex & Kent	12 (11)	- (-)	- (1)	1 (-)	- (-)	13 (12)
4. Southern England	16 (19)	- (-)	- (-)	- (-)	1 (1)	17 (20)
5. South-west England	13 (17)	- (-)	2 (-)	2 (1)	1 (-)	18 (18)
6. Bristol Channel & South Wales	3 (4)	- (-)	1 (-)	- (-)	- (-)	4 (4)
7. Irish Sea	4 (7)	- (-)	- (-)	- (-)	- (-)	4 (7)
8. Western Scotland	13 (10)	- (-)	- (-)	- (-)	- (-)	13 (10)
9. Orkney & Shetland Islands	5 (6)	- (-)	- (-)	- (-)	- (-)	5 (6)
10. Eastern Scotland	20 (22)	- (-)	- (2)	- (1)	- (-)	20 (25)
11. UKCS oil & gas installations	^(b) 315 (246)	(-)	1 (-)	^(b) 209 (229)	(-)	^(b) 525 (475)
11. UKCS vessels	26 (37)	- (-)	- (-)	- (-)	- (-)	26 (37)
Totals	448 (396)	- (-)	6 (3)	214 (231)	2 (2)	670 (632)

(a) The figures in parenthesis are the corresponding values from the 2012 survey.

(b) Includes 8 entries that are currently under investigation by DECC.

Figure 2: Boundaries of UK Pollution Control Zone and individual enumeration areas.



2.3 LOCATIONS OF REPORTED DISCHARGES

- 2.3.1** The geographical location of each reported discharge or release has been identified in **Appendix 1** together with other information for each incident. To facilitate comparisons with previous years' data, reported locations of all vessel-source oil discharges in the open sea, nearshore waters and estuaries during 2013 are plotted in **Figure 3**. Data for ports have been grouped separately for England, Wales, Scotland and Northern Ireland.
- 2.3.2** The overall geographical pattern for vessel-source mineral oil discharges in the survey area during 2013 showed fewer reports of incidents across 8 enumeration areas, with the highest density of reported incidents in the open sea occurring in the vicinity of North Sea oil and gas installations.
- 2.3.3** The geographical locations of all discharges and releases are further analysed by their distribution across five marine environmental zones in each enumeration area: open sea; tidal river or estuary; bay or nearshore waters; beach or shore; and port or harbour. The results are presented in **Table 2**, which shows that 86.4% of all discharges and releases were reported as being in the open sea, 10% in ports or harbours and 3.6% across the remaining zones.
- 2.3.4** Reporting organisations submitted details of 67 incidents involving discharges of polluting substances from vessels and oil rigs located in ports or harbours during 2013, which was 39 fewer than the mean annual total of 106 discharges between 2000 and 2012.
- 2.3.5** Thirteen beach pollution incidents were reported during 2013 which was the highest total recorded since 2003 and 6 more than the mean annual total of 7 incidents reported between 2000 and 2012. Further details are provided in **Section 4**.

2.4 AMOUNT AND EXTENT OF REPORTED POLLUTION

- 2.4.1** Information describing observed dimensions and volumes of pollution for each enumeration area is presented in **Table 3**. It should be noted that the extent of pollution for incidents occurring within the UKCS enumeration area 11 was determined by the observed approximate release area of water surface pollution in 2 categories: up to 1.6 km²; or above 1.6 km². Estimates for volumes of discharges and releases were not confirmed in written reports for 55 incidents or 8% of the total reported.
- 2.4.2** Excluding releases from offshore oil and gas installations and vessels operating in the UKCS area 11, approximately 8% of oil slicks or sheens were greater than 1.6 km in length when this information was reported. Broadly comparable statistics from the 2000, 2005 and 2010 surveys were 12%, 7% and 10% respectively. Within the UKCS enumeration area 11 a release area of water surface pollution greater than 1.6 km² was reported in 8 incidents following oil releases.

Figure 3: Locations of reported oil discharges attributed to vessels.



TABLE 2: TOTAL INCIDENTS REPORTED AND DISTRIBUTION BY MARINE ENVIRONMENTAL ZONE AND ENUMERATION AREA ^(a).

Enumeration area	Open sea	Tidal river/ estuary	Bay/nearshore waters	Beach/shore	Port/harbour	Totals
1. North-east England	10 (3)	-	1	1	8	20 (3)
2. Eastern England	3	-	-	1 (1)	1	5 (1)
3. Essex & Kent	3	-	-	2	8 (1)	13 (1)
4. Southern England	2 (1)	-	3	2	10	17 (1)
5. South-west England	3 (1)	-	3	5 (4)	7	18 (5)
6. Bristol Channel & South Wales	-	-	2	1 (1)	1	4 (1)
7. Irish Sea	1	-	1	-	2	4
8. Western Scotland	-	-	-	-	13	13
9. Orkney & Shetland Islands	-	-	-	-	5	5
10. Eastern Scotland	6	-	1	1	12	20
11. UKCS oil & gas installations	^(c) 525 (210)	^(b)	^(b)	^(b)	^(b)	^(c) 525 (210)
11. UKCS vessels	26	^(b)	^(b)	^(b)	^(b)	26
Totals	579 (215)	-	11	13 (6)	67 (1)	670 (222)

^(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oil.

^(b) Not applicable.

^(c) Includes 8 entries that are currently under investigation by DECC.

TABLE 3: AMOUNT AND EXTENT OF REPORTED POLLUTION BY ENUMERATION AREA^(a).

Enumeration area	Extent of pollution ^(b)				Estimated volumes of discharges and releases ^(e)				
	Water surface		Shoreline		1-455 litres	456 litres – 999 litres	1-50 tonnes	>50 tonnes	Not known
	≤1.6 km	>1.6 km	≤ 1.6 km	> 1.6 km					
1. North-east England	18 (3)	1	-	1	13 (3)	1	-	-	6
2. Eastern England	3	1	-	1 (1)	3	-	-	-	2 (1)
3. Essex & Kent	10 (1)	1	-	2	9 (1)	-	-	-	4
4. Southern England	15 (1)	-	-	2	5	1	1	-	10 (1)
5. South-west England	11 (1)	3 (1)	1	3 (3)	4	1	1	-	12 (5)
6. Bristol Channel & South Wales	3	-	-	1 (1)	2	-	-	-	2 (1)
7. Irish Sea	4	-	-	-	4	-	-	-	-
8. Western Scotland	13	-	-	-	5	-	-	-	8
9. Orkney & Shetland Islands	4	1	-	-	3	-	1	-	1
10. Eastern Scotland	17	2	1	-	8	1	2	-	9
11. UKCS oil & gas installations	^(c) 517	^(c) 8	^(d)	^(d)	431 (135)	40 (29)	54 (46)	2 (1)	-
11. UKCS vessels	^(c) 25	^(c) 1	^(d)	^(d)	19	3	3	-	1
Totals	640 (6)	18 (1)	2	10 (5)	506 (139)	47 (29)	62 (46)	2 (1)	55 (8)

^(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oil.

^(b) The units given are the maximum observed dimensions of pollution on water or the shoreline.

^(c) Approximate release area of water surface pollution <1.6 km² or >1.6 km².

^(d) Not applicable.

^(e) The figures include the 2013 volumes of releases from 10 ongoing incidents that commenced during 2008, 2009, 2011 and 2012 and excludes the volumes of releases from 1 incident which commenced during 2009 and 8 incidents which commenced during 2013 which were under investigation at the time of reporting (Refer to **Appendix 1 Table 11**).

- 2.4.3** The modal class for all oil incidents was less than 455 litres but larger estimated maximum volumes of between 456 litres and 56.2 tonnes were recorded in 6 of the 11 survey enumeration areas. In total, 9% of all oil discharges and releases (including ongoing releases) were greater than 455 litres (Refer to **Table 3** and **Appendix 1 Table 11**).
- 2.4.4** The largest oil release with an estimated maximum volume of 56.2 tonnes, was reported by the *Claymore Alpha* installation on 2 October after a lubrication oil drain on a gas compressor was found to have been incorrectly routed to the sea. The resulting surface sheen later dispersed naturally without posing a risk to the shoreline. Appropriate preventative measures were introduced by the operator (Refer **3.2 UKCS/1721**).
- 2.4.5** The modal class for chemical incidents was also less than 455 litres but 47 releases, or 22% of the total (including 7 ongoing releases), were of 1 tonne or more. The largest chemical incident involving a release of 189,300 kg of monoethylene glycol (MEG), was caused by a storage tank control and indication system failure at the *Clipper PT* installation on 2 September. Remedial actions included improvements to level instrumentation and alarms with more effective maintenance routines (Refer **3.1 UKCS/1573**).
- 2.4.6** In **Section 3** details are provided for all reports involving releases or discharges of 2 tonnes or more during 2013.

2.5 CATEGORIES AND TYPES OF POLLUTION

- 2.5.1** Statistics showing the different categories and types of polluting substances are presented in **Table 4**. Mineral oils were again the most frequently recorded category of polluting substances and were identified in 67% of incident reports. Crude oils accounted for 14% of the identified types of mineral oil discharges, this figure being 1% less than the previous year's. The largest crude oil incident, with an estimated maximum volume of 6.1 tonnes was reported by Fairfield Energy following a release from the *Dunlin Alpha* platform on 11 December. A subsea valve failure was identified as the cause of the incident. The process was shut down and the faulty valve replaced prior to start up (Refer **3.13/UKCS/1701**).
- 2.5.2** Bunker, diesel, fuel and gas oil incidents were attributed to vessels and oil and gas installations on 127 occasions, 6 fewer than the previous year's total, across all enumeration areas. The spills were reported most frequently in the UKCS, southern England and south-west England enumeration areas.
- 2.5.3** Lubrication and hydraulic mineral oil incidents were recorded in 9 of the 11 survey enumeration areas with 127 releases attributed to offshore oil and gas installations.

TABLE 4: IDENTIFICATION OF A SOURCE OF POLLUTION AND REPORTED TYPE BY ENUMERATION AREA.

Enumeration Area	Vessel/offshore pollution source ^(b)		Types of pollution ^(a)												
			Mineral oils					Garbage			Other substances				
	Identified	Suspected	1	2	3	4	5	6	7	8	9	10	11	12	13
1. North-east England	11 (1)	9 (2)	-	8	3	-	6	-	-	-	1	-	2	-	-
2. Eastern England	2	3 (1)	-	1	-	-	3	-	-	-	1	-	-	-	-
3. Essex & Kent	9 (1)	4	-	5	3	-	4	-	-	-	-	-	1	-	-
4. Southern England	14	3 (1)	-	13	1	-	2	-	-	-	-	-	-	-	1
5. South-west England	11	7 (5)	1	10	1	-	1	-	-	-	2	-	2	-	1
6. Bristol Channel & South Wales	3	1 (1)	-	3	-	-	-	-	-	-	1	-	-	-	-
7. Irish Sea	3	1	-	1	2	-	1	-	-	-	-	-	-	-	-
8. Western Scotland	10	3	-	7	1	3	2	-	-	-	-	-	-	-	-
9. Orkney & Shetland Islands	5	-	-	3	2	-	-	-	-	-	-	-	-	-	-
10. Eastern Scotland	12	8	-	6	5	-	9	-	-	-	-	-	-	-	-
11. UKCS oil & gas installations	525 (210)	-	50	69	127	54	15	-	-	-	1	18	191	-	-
11. UKCS vessels	-	26	4	1	-	2	19	-	-	-	-	-	-	-	-
Totals	605 (212)	65 (10)	55	127	145	59	62	-	-	-	6	18	196	-	2
Percentage of total reports	90	10	8	19	22	9	9	-	-	-	0.9	2.7	29.2	-	0.3

Key: Mineral Oils 1: Crude oil. 2: Bunker, diesel, fuel and gas oils. 3: Lubrication & hydraulic oils. 4: Other oil types. 5: Unidentified oil.
Garbage 6: Galley wastes. 7: Other garbage types. 8: Unidentified type of garbage.
Other substances 9: Animal & vegetable oils. 10: Oil-based mud products. 11: Other chemical substances. 12: Other substances.
13: Unidentified substances.

^(a) The figures are frequencies for each of the categories shown and more than one entry may be made for each pollution incident.

^(b) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oils.

- 2.5.4** Respondents described the remaining types of mineral oil discharges or releases as bilge oils, oily water, weathered or semi-weathered residues, sludge and various waste oils. Local authorities reported extensive beach pollution by weathered or semi-weathered oil residues on 5 occasions during 2013. A 24 km stretch of the east Yorkshire coastline was affected during the second week of March (Refer **4.1.5**). Local authorities on both shores of the Thames Estuary reported extensive shoreline pollution by black tar during the first and second weeks of April (Refer **4.3.6**). Another local authority report provided details of an incident in which blobs of oil were washed ashore along a 15 km stretch of the west Dorset coastline during the last week of April (Refer **4.4.6**).
- 2.5.5** A total of 222 reports referred to incidents involving substances other than mineral oils during 2013 compared with 236 reports during 2012. Offshore operators reported 209 accidental chemical releases and a single vegetable oil release during 2013 compared with 229 chemical releases during the previous year. The identified substances were associated with exploration and production operations and included ammonium bisulphite, barite, bentonite, glycol solutions, hydraulic fluids, methanol and sodium solutions. The estimated volumes of the accidental releases ranged from 0.001 kg to 189,300 kg and 48 discharges were 1 tonne or more. Further details are provided in **Section 3** and **Appendix 1**.
- 2.5.6** Chemicals are used as part of offshore exploration and production operations and all operational use and discharge is regulated under the provisions of the Offshore Chemicals Regulations 2002 (as amended) (OCR). Under the provisions of OCR each operational chemical is assessed to determine its potential environmental impact. Of the total chemicals released in 2013 approximately 87% were considered under the Commission for the Protection of the Marine Environment of the North East Atlantic (OSPAR) list of substances used and discharged offshore as Posing Little or No Risk to the Environment (PLONOR). None of the chemicals released was included as a substance listed in the OSPAR list of chemicals for priority action. None of the release incidents gave risk to a significant environmental impact.
- 2.5.7** A total of 12 non-mineral oil incidents were attributed to identified or suspected vessel discharges in ports or in the open sea. Palm oil residues were washed ashore on 4 occasions in eastern England, southern England, south-west England and South Wales during 2013. The most extensive incident occurred during December 2013 following intermittent shoreline pollution in west Somerset, north and south Devon, west Dorset and East Sussex (Refer **4.5.9**).
- 2.5.8** Respondents also submitted details of 2 incidents involving a high-viscosity form of the synthetic polymer polyisobutene (PIB). The first incident commenced in late January 2013 after 500 seabirds were washed ashore between Cornwall and East Sussex coated with the chemical. Surveillance aircraft were tasked to examine the area but were unable to detect any pollution or the source of the discharge and there were no reports of any shoreline contamination (Refer **4.5.2**).

2.5.9 A second incident commenced on 9 April after patches of the chemical together with contaminated birds were observed in the open sea near the Eddystone Lighthouse. Over the following month more than 1,000 contaminated seabirds and debris arrived ashore in Cornwall, Devon, Dorset and West Sussex. The MCA collected data for all ships that passed through the area during a specific time frame with details of their cargo manifests but was unable to identify the source of the discharge. Detailed reviews of images from the European Maritime Safety Agency's (EMSA) satellite were also unsuccessful in providing any additional information (Refer **4.5.3**).

2.6 REPORTED SOURCES OF POLLUTION

2.6.1 The figures in **Table 4** show for each enumeration area the numbers of incidents in which reporting organisations either identified a specific source of pollution or suspected a vessel or offshore pollution source. The statistics for the identified sources of pollution are further analysed in **Table 5** to show the different types of vessels. Additional details including the names of vessels or installations are provided in **Appendix 1**.

2.6.2 This method of analysis showed that releases from oil and gas installations operating on the UKCS accounted for 87% of all identified reports of pollution compared with 82% during the previous year. Corresponding statistics for fishing vessels, pleasure craft, general cargo vessels and the remaining types of vessels were 3.8%, 2.3%, 2.1% and 4.8% respectively.

2.6.3 Reporting organisations identified discharges from tankers on 5 occasions during 2013 compared with 9 occasions during the previous year. Port and harbour authorities reported tanker incidents at Barrow, Dover, Falmouth and London. The largest incident occurred at Barrow on 17 April following a 50-litre lubrication oil discharge from the oil products tanker *Mersey Spirit* (1,476 gt, built 1996). In the open sea the Leaf-class fleet support tanker RFA *Orangeleaf* (18,854 gt, built 1979) reported a 90-litre lubrication oil discharge on 29 December.

2.6.4 At least 19 confirmed discharges were attributed to vessel casualties including 11 fishing vessels 7 pleasure craft and workboats and a tug. Nine vessel-casualty spills occurred in nearshore waters, 8 in ports and the remainder in the open sea. Moreover, vessel casualties accounted for 48% of all confirmed discharges attributed to fishing vessels and likewise 36% of all discharges attributed to pleasure craft and workboats. The corresponding statistics from the 2012 survey were 38% and 54% respectively. Further details identifying the likely causes of vessel casualties, when known, are provided in **Section 4** and **Appendix 1**.

TABLE 5: REPORTED SOURCE OF POLLUTION BY ENUMERATION AREA^(a).

Enumeration area	MCT	MFV	MSV	MT	MV	OOI	PC	WR	O
1. North-east England	-	4	2	-	2	-	1	-	2 (1)
2. Eastern England	-	-	-	-	1	-	-	-	1
3. Essex & Kent	-	-	-	2	4	-	-	-	3 (1)
4. Southern England	-	3	-	1	2	-	7	-	1
5. South-west England	-	4	-	1	1	-	4	-	1
6. Bristol Channel & South Wales	-	2	-	-	-	-	1	-	-
7. Irish Sea	-	-	-	1	-	-	1	-	1
8. Western Scotland	-	6	-	-	1	-	-	-	3
9. Orkney & Shetland Islands	-	3	1	-	-	-	-	-	1
10. Eastern Scotland	-	1	3	-	2	1	-	-	5
11. UKCS oil & gas installations	-	-	-	-	-	525 (210)	-	-	-
11. UKCS vessels	-	-	-	-	-	-	-	-	-
Totals	-	23	6	5	13	526 (210)	14	-	18 (2)

Key: **MCT:** Chemical tanker. **MFV:** Fishing vessel. **MSV:** Offshore support vessel. **MT:** Coastal oil tanker/VLCC. **MV:** General cargo vessel. **OOI:** Offshore oil or gas installation. **PC:** Pleasure craft. **WR:** Wreck. **O:** Other type of vessel.

(a) The figures in parenthesis are included in the totals and refer to incidents involving discharges of substances other than mineral oils.

2.6.5 The 3 largest vessel-casualty spills were attributed to fishing vessels operating in nearshore waters and in a port. Approximately 10 tonnes of gas oil escaped from a ruptured fuel tank after the MFV *Scuderia* (113.84 gt, built 1988) ran aground on rocks at Lankidden Cove in south Cornwall on 29 August. Salvors later recovered the vessel after the remaining fuel on board had been removed (Refer **4.5.5**). Three reporting organisations provided details of a 5-tonne diesel spill after the 20-metre twin-rig stern trawler *Prospect* (built 1996) sank in the north entrance to Lerwick Harbour on 5 August. The vessel was later refloated, repaired and re-launched (Refer **4.9.3**). A patch of diesel with an estimated volume of 3 tonnes was observed after the MFV *Sally Jane* sank off Hengistbury Head on 17 September. The oil later dispersed naturally and no further actions were required (Refer **4.4.4**).

2.7 PROSECUTIONS

2.7.1 Details of 2 successful prosecutions brought by the competent authorities during 2013 are summarised in **Table 6**.

2.7.2 On February 25 2012 a satellite operated by EMSA detected a ship trailing a slick in the waters between Lands End and the Scilly Isles. By combining the satellite image with the Automatic Identification System (AIS) vessel track information the vessel was identified as the oil and chemical tanker *Maersk Kiera* (24,463 gt, built 2011). The vessel was contacted by Falmouth Coastguard and the Master admitted to cleaning a tank and discharging waste (palm oil and tank cleaning solution) but stated that this was outside the 12 nautical mile zone (i.e. more than 12 nautical miles from the nearest land), where such discharges are legal. Evidence from the satellite image showed that the slick was inside the 12 nautical mile zone, and that the discharge was illegal. Following a hearing at Truro Magistrates Court on 4 October 2014 the owners of the tanker, Maersk Tankers Singapore Pte Limited paid a total of £22,500 in fines and costs after pleading guilty to a breach of the Dangerous or Noxious Liquid Substances in Bulk Regulations 1996 (SI 3010). This was the first time satellite imagery had been successfully used as primary evidence in maritime prosecution brought by the MCA.

2.7.3 In a case brought by the Poole Harbour Commissioners the owners of the general cargo vessel MV *Valiant* (1,512 gt, built 1993) received a fine of £2,000 with a victim surcharge of £120 following a diesel discharge in the Port of Poole Marina on 28 April 2013 (Refer **4.4.3**).

2.7.4 Following another incident resulting in an oil spill a case was brought by the MCA for offences contravening Sections 58 and 100 of the Merchant Shipping Act 1995 and the Merchant Shipping (Distress and Prevention of Collisions) Regulations 1996. The skipper of the French trawler *Scuderia* appeared before Truro Magistrates' Court on 6 September 2013 and was ordered to pay £11,155 in fines and costs after pleading guilty to endangering his vessel and crew together with failing to keep a proper look-out after falling asleep (Refer **4.5.5**).

TABLE 6: DETAILS OF SUCCESSFUL PROSECUTIONS BROUGHT BY THE COMPETENT AUTHORITIES IN THE UNITED KINGDOM DURING 2013^(a)

Date and location of incident	Name of vessel or offshore installation and type of pollution	Prosecution brought by	Fine
25 February 2012 off Land's End	MT Maerska Kiera, palm oil slops	Maritime & Coastguard Agency	£15,000 ^(b)
28 April 2013 Port of Poole	MV Valiant, diesel oil	Poole Harbour Commissioners	£2,000 ^(c)

- (a) Following another incident resulting in an oil spill a case was brought by the Maritime & Coastguard Agency for offences contravening Section 58 of the Merchant Shipping Act 1995 and the Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 (Refer **2.7.4** & **4.5.5**).
- (b) Including a £120 victim surcharge.
- (c) Including a £120 victim surcharge.

Prosecutions brought under Control of Pollution Act 1974, Merchant Shipping Act 1995, Merchant Shipping (Prevention of Oil Pollution) Regulations 1996, Merchant Shipping (Dangerous or Noxious Liquid Substances in Bulk) (Amendment) Regulations 1996, Merchant Shipping (Prevention of Pollution by Garbage) Regulations 1998, Offshore Chemicals Regulations 2002, Offshore Petroleum Activities (Oil Pollution Prevention and Control) Regulations 2005.

2.8 REPORTING EFFORT

2.8.1 The number of incident reports received from each of 11 reporting organisations is shown in **Table 7**. The total number of reports received and processed was 1,686 from which 670 separate incidents were subsequently identified and entered into the 2013 database.

2.8.2 Observations from air surveillance patrols and a satellite surveillance programme were again employed to help identify discharges from vessels and releases from offshore oil and gas installations operating in the UKPCZ (Refer **Section 4**).

TABLE 7: TOTAL NUMBER OF INCIDENT REPORTS RECEIVED FROM EACH REPORTING ORGANISATION.

Reporting organisations	Total number of reports received
English and Welsh Local Authorities	127
Environment Agency for England	39
English Inshore Fisheries and Conservation Authorities	10
Natural Resources Wales	6
Northern Ireland Environment Agency	1
United Kingdom Ports	130
Maritime and Coastguard Agency	^(a) 718
DECC Offshore Environment Unit	551
Scottish Environment Protection Agency	23
Scottish Local Authorities	30
Scottish Society for the Prevention of Cruelty to Animals	51
Grand Total	1,686

^(a) The figure provided includes duplicate PON 1 reports provided by DECC which form part of the quality assurance process (Refer to **Section 5**).

SECTION 3: SUMMARY OF LARGER INCIDENTS (TWO TONNES OR MORE) DURING 2013

(Refer to Section 4 and Appendix 2 for further details of each incident)

The figures given below are indicative of the reported volumes of releases confirmed in written reports. However, incidents in which significant amounts of beach material were mixed with pollutants, or where the volumes released were not indicated or measured, are not included. The incidents are ordered according to spill size. Those that occurred over a period of time have been included at the end of this section.

3.1 UKCS 2 September: Shell UK Exploration & Production Limited *Clipper PT* (11-UKCS/1573)

Shell UK Exploration & Production Limited reported an incident resulting in the release of **189,300 kg** of monoethylene glycol (MEG) due to the failure of the Clipper PT MEG storage tank level control and indication. The level instrumentation failures were rectified and operating procedures amended, including more frequent inspections, to more closely monitor tank levels.

3.2 UKCS 2 October: Talisman Sinopec Energy UK Limited *Claymore A* (11-UKCS/1721)

Talisman Sinopec Energy UK Limited reported an incident involving a release from the Claymore A field of **56.2 tonnes** of lubrication oil from 2011 until 2013 as a result of a drainage incident. During planned operations to drain down lubrication oil from the gas compressor on the Claymore installation, TSE UK believed that all drained lubrication oil was retained and processed on the installation via the hydrocarbon recovery system. However, a 2013 review of all gas compressor drain routing identified that the lubrication oil drained down from the C train compressor was incorrectly routed to a deluge drain and was subsequently released to sea. The issue has now been rectified.

3.3 UKCS 14 March: EnQuest Dons Limited *Don SW & W Don Northern Producer* (11-UKCS/1285)

EnQuest Dons Limited reported an incident involving a release from the West Don PO3 Subsea Production Wing Valve of **40,946.94 kg** of Castrol Transaqua HT2 water based hydraulic fluid as a result of a leaking fitting. The environmental impact of the release was determined to be negligible. An attempt to resolve the leak in Q3 2014 was unsuccessful. This has been rescheduled for the 2015 DSV campaign. DECC continue to monitor and liaise with the operator.

3.4 UKCS 30 March: E.On Ruhrgas UK North Sea Limited *EnSCO 100* (11-UKCS/1309)

E.On Ruhrgas UK North Sea Limited reported a release from the EnSCO 100 of **18,290 kg** of Flow-Carb Series, a calcium carbonate bridging agent, during a bulk transfer from a supply boat to the EnSCO 100 working in the Babbage Field. The incident was investigated by DECC and has resulted in a review of bulk powder transfer operations UKCS wide. EnSCO have installed dust recovery units on the EnSCO 100 as a preventative measure.

- 3.5 UKCS 30 August: Perenco UK Limited Neptune Platform (11-UKCS/1559)**
Perenco UK Limited reported a release from the Neptune platform of **15,000 kg** of methanol as a result of a subsea jumper failure on the methanol supply to Eris. The jumper has been successfully replaced.
- 3.6 UKCS 25 April: Centrica Resources Limited MSV NSO Spirit (11-UKCS/1337)**
Centrica Resources Limited reported a release from the MSV NSO Spirit supply vessel of **12,972 kg** of sodium chloride brine as a result of a split bulk hose during loading operations to the Noble Julie Robertson drilling rig. The two halves of the hose were recovered onboard the Noble Julie Robertson. In order to prevent such an incident happening again Centrica Resources Limited committed to updating spot hire audit procedures, introducing a requirement to assess the station keeping ability of all supply vessels and the requirement to undertake six monthly inspections of supply vessels on long term hire.
- 3.7 UKCS 28 April: EnQuest Dons Limited Don SW & W Don Northern Producer (11-UKCS/1345)**
EnQuest Dons Limited reported a release from the Don SW & W Don Northern Producer of **12,600.25 kg** of base oil as a result of a leak in the West Don P03 Xmas Tree B Annulus. Well start-up procedures have now been modified to strictly control the rate at which the well is brought on line.
- 3.8 South-West England 29 August: (5-SW/205)**
The French trawler MFV Scuderia (113.84 gt, built 1988) ran aground on rocks at Lankidden Cove on 29 August. The vessel's forward fuel tank was ruptured causing a loss of approximately **10 tonnes** of gas oil which was later broken up and dispersed by wave action. Salvors removed the remaining fuel oil and recovered the vessel which was refloated on 2 September.
- 3.9 UKCS 1 September: Nexen Petroleum UK Limited Ettrick FPSO Aoka Mizu (11-UKCS/1561)**
Nexen Petroleum UK Limited reported a release from the Ettrick FPSO Aoka Mizu of **7,815 kg** of Castrol Transaqua HT2 water based hydraulic fluid from a Subsea Isolation Valve (SSIV). Further to ROV intervention and plant shutdown from early October 2013, the leak was identified and repairs were put in place. Process re-start was performed in mid-October 2013 with no further leaks evident.
- 3.10 UKCS 28 February: Chevron Energy Limited Captain WPP'A' (11-UKCS/1289)**
Chevron Energy Limited reported a release from the Captain WPP 'A' installation of **7,673 kg** of Oceanic HW540v2 water based hydraulic fluid as a result of faults in the subsea control system. A dive support vessel traced the source to a mechanical fitting on the subsea annulus master valve actuator which was subsequently repaired and no further release has been observed.
- 3.11 UKCS 12 November: Nexen Petroleum UK Limited Ettrick FPSO Aoka Mizu (11-UKCS/1670)**
Nexen Petroleum UK Limited reported a release from the Ettrick FPSO Aoka Mizu of **7,371 kg** of Castrol Transaqua HT2 water based hydraulic fluid as a result of a

failure of the subsea hydraulic fluid distribution control valve on a SSIV system. Two leak paths were identified and repaired. Repair was fully completed in December 2013.

- 3.12 UKCS 15 August: Talisman Sinopec UK Limited *Piper B* (11-UKCS/1698)**
Talisman Sinopec UK Limited reported a release from the Piper B of **7,059.6 kg** of Pelagic 100 hydraulic production control fluid. A weep had developed as a result of a corroded hydraulic line fitting on the valve actuator. A repair was completed.
- 3.13 UKCS 11 December: Fairfield Energy *Dunlin A* (11-UKCS/1701)**
Fairfield Energy reported a release from the Dunlin A of **6.1 tonnes** of crude oil as a result of the outlet valve on the produced water flash drum failing to close fully. The process was shut down and the valve replaced prior to start up. This was investigated by the Department and additional start up procedures were put in place.
- 3.14 UKCS 1 December: BP Exploration Operating Company Limited *Bruce PUQ* (11-UKCS/1689)**
BP Exploration Operating Company Limited reported a release from the Bruce PUQ of **6,050 kg** of Oceanic HW443ND water based hydraulic fluid as a result of a faulty valve on the M6 subsea control module. A subsea intervention campaign was scheduled and the SCM was replaced in May 2014. The leak has now stopped.
- 3.15 UKCS 22 July: Talisman Sinopec Energy UK Limited *Fulmar A* (11-UKCS/1482)**
Talisman Sinopec Energy UK Limited reported a release from the Fulmar installation of **5,960 kg** of methanol as a result of corrosion in the jumper line connections. Talisman confirmed that the line from which the release occurred has been isolated and would not be used until a repair has been effected.
- 3.16 Orkney and Shetland Islands 5 August: *MFV Prospect* (9-OS/381)**
The 21-metre wooden twin-rig stern trawler MFV Prospect (built 1996) grounded on Skibby Baas rocks and sank in the north entrance to Lerwick Harbour on 5 August. Over the following 18 days approximately **5 tonnes** of diesel escaped from the stricken vessel and was dispersed by wave action. The vessel was later refloated, repaired and re-launched.
- 3.17 UKCS 5 September: Britannia Operator Limited *Britannia BLP* (11-UKCS/1566)**
Britannia Operator Limited reported a release from the Britannia BLP of **4,334 kg** of monoethylene glycol from the heating medium/cooling medium systems. DECC undertook an investigation into the circumstances of this release and obtained evidence from the company that causal factors had been identified and steps had been taken to prevent further release of chemicals from this system.
- 3.18 UKCS 27 September: Chevron Energy Limited *Captain WPP'A'* (11-UKCS/1599)**
Chevron Energy Limited reported a release from the Captain WPP'A' of **4,023.64 kg** of Oceanic HW540 E water based hydraulic fluid as a result of a loose JIC fitting on Captain WPP'A'. The fitting was tightened and no further release observed.

- 3.19 Eastern Scotland 1 November: MV Woodstock 1 (10-ES/355)**
The self-propelled crane barge Woodstock 1 (256 gt, built 1973) reported a **4-tonne** gas oil discharge in contaminated ballast at Invergordon Harbour. Absorbent booms and skimmers were deployed in a clean-up operation completed by specialist contractors.
- 3.20 UKCS 27 July: Maersk Oil UK Gryphon A (11-UKCS/1494)**
Maersk Oil UK reported a release from the Gryphon A of **3,914.52 kg** of Oceanic HW540 E water based hydraulic fluid. The solenoid on the Gryphon A control valve of the subsea control module is presumed to have been stuck in an open position, causing a continuous leak of hydraulic fluid to sea. Valve cycling during shutdown and restart resulted in the sticking solenoid returning to correct operation and no further release was observed.
- 3.21 Eastern Scotland 5 June: unidentified vessel (10-ES/1818)**
The Claymore installation reported an oil sheen occupying an area of 9.36 km² and with an estimated maximum volume of **3.9 tonnes**. Samples of the sheen were acquired but insufficient hydrocarbons were present to analyse and provide a credible suite of results.
- 3.22 UKCS 11 September: unidentified vessel (12-UKCS/1862)**
The Gannet Alpha installation reported an oil sheen covering an area of 10.02km² with an estimated maximum volume of **3.26 tonnes**. A ROV and surveillance flights were mobilised but were unable to identify the source of the discharge.
- 3.23 UKCS 3 September: Talisman Sinopec Energy UK Limited Arbroath (11-UKCS/1569)**
Talisman Sinopec Energy UK Limited reported a release from the Arbroath installation of **3,066 kg** of water-based mud caused by an overshot packer which had not energised during pressure testing. One of the root causes that contributed to the release was that work instructions had not been followed. Talisman Sinopec Energy UK Limited committed to complete risk assessment training to address this.
- 3.24 UKCS 18 February: Nexen Petroleum UK Limited Scott (11-UKCS/1246)**
Nexen Petroleum UK Limited reported a release from the Scott installation of **3,009 kg** of ammonium bisulphite (65%) oxygen scavenger as a result of a missing pipeline flow meter from the subsea water injection manifold. During a subsequent DSV campaign the flow meter was removed and blanked off, and leak testing completed.
- 3.25 Southern England 17 September: MFV Sally Jane (4-SE/133)**
A patch of diesel with an estimated maximum volume of **3 tonnes** was observed after the fishing vessel Sally Jane sank off Hengistbury Head on 17 September. The oil was dispersed by wave action.
- 3.26 UKCS 19 August: EnQuest Dons Limited Don SW & W Don Northern Producer (11-UKCS/1541)**

EnQuest Dons Limited reported a release from the Don SW of **2,656 kg** of Castrol Transaqua water based hydraulic fluid from the HP hydraulic fluid supply line. The leak was isolated and stopped.

- 3.27 UKCS 26 May: Maersk Oil UK Gryphon A (11-UKCS/1386)**
Maersk Oil UK reported a release from the Gryphon A installation of **2,607 kg** of monoethylene glycol as a result of a small hole in a pipework elbow. The system was isolated and the pipework replaced.
- 3.28 UKCS 16 June: Dana Petroleum PLC Guillemot West (11-UKCS/1426)**
Dana Petroleum PLC reported a release from the Guillemot West of **2,534 kg** of methanol from a previously damaged control umbilical. Document control issues caused a miscommunication where the wrong line was opened during re-instatement and testing of this line. DECC requested the operator carry out a full investigation and root cause analysis. The methanol umbilical was isolated at the FPSO preventing further loss. Contractor interface processes, additional controls and procedures have been implemented since this incident.
- 3.29 UKCS 7 August: Fairfield Energy Dunlin A (11-UKCS/1509)**
Fairfield Energy reported a release from the Dunlin A of **2.4 tonnes** of crude oil following a process shut down. DECC investigated this incident. Fairfield improvements included increased environmental awareness, improving operating procedures and risk assessing non-routing events in an effort to prevent a recurrence.
- 3.30 UKCS 20 May: Marathon Oil UK Limited Brae A (11-UKCS/1390)**
Marathon Oil UK Limited reported a release from the Brae Alpha installation of **2,304 kg** of Oceanic HW443ND water based hydraulic fluid as a result of a fault in the Central Brae Electro Hydraulic Distribution Box. The fault was repaired.
- 3.31 UKCS 11 June: BHP Billiton Douglas FPSO (11-UKCS/1418)**
BHP Billiton reported a release from the Douglas FPSO of **2,183.2 kg** of Oceanic HW540 E water based hydraulic fluid as a result of a failure of a component in the subsea valve control unit. Hydraulic subsea repairs were carried out.
- 3.32 UKCS 3 November: Nexen Petroleum UK Limited Scott JD (11-UKCS/1648)**
Nexen Petroleum UK Limited reported a release from the Scott platform of **2.145 tonnes** of diesel oil. The release was caused by an overflow from the platform settling tank due to the operator not reacting to an alarm and not following procedures; the high level shutdown switch failing to operate; and the spill-back valve being in the closed position. Following an investigation improvements put in place included equipment repairs, a review of procedures and training and an increase in inspection and maintenance of relevant equipment.
- 3.33 Eastern Scotland 21 July: unidentified vessel (10-ES/410)**
A surface sheen occupying an area of 1.12 km² and with an estimated maximum volume of **2.03 tonnes** was reported near the Forties pipeline in the vicinity of Cruden Bay. Oil samples were taken and surveillance flights indicated that there was no release from the Forties pipeline. The source was not identified.
- 3.34 UKCS 18 August: Hess Limited Fife (11-UKCS/1537)**

Hess Limited reported a total loss of **2,025 kg** of Dynared Seepage Control Fiber, KWIK-SEAL sealant, SAFE-CARB calcium bridging agent, and DUO-VIS viscosifier from the Wilhunter at the Fife Field as a result of the 20" surface casing string being unintentionally cut during abandonment operations. An internal investigation was carried out and actions to prevent recurrence put in place.

UKCS INCIDENTS OCCURRING OVER AN EXTENDED PERIOD DURING 2013

The following reported UKCS incidents occurred over a period of time within the year.

In all cases where the source of the release was from subsea control equipment the fluids lost were associated with oil and gas exploration and production operational processes. The operator continued the release to maintain the integrity and functionality of the wells/equipment and dive support vessels could be resourced to complete the necessary repairs.

Each release required the operator to assess the potential environmental impacts associated with the release. The operator in each case was required to provide regular updates on their management plan as part of investigations being conducted by DECC. Where necessary, meetings with the operator took place to discuss aspects associated with the incident, environmental impact and the operator's short- and long-term plans to stop the release and, where relevant, effect a final repair.

3.35 UKCS 1 January: EnQuest Heather Limited Don SW and West Don Northern Producer (ongoing incident from 8 December 2011)

EnQuest Heather Limited reported an ongoing loss of **29,657.01 kg** between 1 January and 31 December 2013, of Gytron SA3460 scale inhibitor from a subsea jumper leak on the Don SW and W Don Platform. Topside leak off tests were carried out and monitoring of subsea pressure decay to the West Don production wells observed. Currently under investigation by DECC. Several attempts have been made to resolve this issue but access with divers and DSV has been limited due to safety concerns associated with location and weather conditions. The most recent attempt during Q3 2014 failed to resolve this release due to accessibility issues for divers. A new work scope has been scheduled for 2015. Impact assessments have been carried out and any effects have been determined to be minimal. DECC continue to liaise with the operator to ensure cessation of this release.

3.36 UKCS 27 March 2009: Hydrocarbon Resources Limited Dalton Template Manifold (UKCS/1286)

Hydrocarbon Resources Limited reported an ongoing loss of **15,021 kg**, between 1 January and 31 December 2013, of Oceanic HW443R due to a leak in the hydraulic system R1, R2 and Q3 wells. Each valve was closed during the course of 2013 and ConocoPhillips confirmed to DECC that these would not be operated again until the repair works were completed on the SCM.

3.37 UKCS 1 January: EnQuest Heather Limited Don SW and West Don Northern Producer (ongoing incident UKCS/1510 from 20 June 2012)

EnQuest Heather Limited reported an ongoing loss of **10,563.55 kg**, between 1 January and 1 September 2013, of Castrol Transaqua HT2 water based hydraulic

fluid as a result of a leak on the Don South West Subsea Riser Base Valve on the gas lift line. A DSV campaign successfully rectified the leak and the fitting on the subsea manifold has been replaced. The platform has confirmed continuous and steady pressure from the DSW 3" Gas Lift SSIV hydraulic line with no pressure drops over the period. The leak was closed out on 1 September 2013.

SECTION 4

ENUMERATION AREA SUMMARY REPORTS

- 4.1 North-east England
- 4.2 Eastern England
- 4.3 Essex & Kent
- 4.4 Southern England
- 4.5 South-west England
- 4.6 Bristol Channel & South Wales
- 4.7 Irish Sea
- 4.8 Western Scotland
- 4.9 Orkney & Shetland Islands
- 4.10 Eastern Scotland
- 4.11 UKCS (oil and gas installations and vessels)

4.1 North-east England (Northumberland, Tyne & Wear, Durham, Yorkshire and The Humber)

4.1.1 Twenty-one vessel-source pollution incidents were identified by reporting organisations during 2013 compared with 13 incidents during 2012. Eight discharges occurred in local ports and harbours, 12 in nearshore waters and the open sea and there was one reference to a beach pollution incident. A source of pollution was identified on 11 occasions, the sources including 4 fishing vessels, 2 offshore support/supply vessels, 2 cable laying vessels, a pleasure craft, a dredger and a workboat. Releases from offshore oil and gas installations operating off north-east England were included in the statistics for the UKCS (Refer to **4.11**).

4.1.2 The MFV *Shemara* (built 1982) was identified as the source of a small diesel oil discharge in a report submitted by the Warkworth Harbour Commissioners. The sheen dispersed naturally and the Harbour Master later issued a formal warning letter to the owner of the fishing vessel. On 18 December the MFV *Grenaa Star* (46 gt) sustained serious damage after colliding with the South Pier on the River Tyne and later ran aground at Littlehaven Beach. A small quantity of diesel oil was lost during a salvage operation.

4.1.3 The Port of Sunderland submitted details of 2 pollution incidents attributed to vessels during 2013. The trailing suction hopper dredger *Arco Beck* (3,325 gt, built 1989) reported a 5-litre hydraulic oil spill following a winch pipe failure. On 18 December specialist contractors were engaged to complete a clean-up operation following a 10-litre diesel oil spill from the standby safety vessel *Ocean Sprite* (1,499 gt, built 1975) in a dry dock. A PD Teesport report described a 10-litre hydraulic oil discharge from the offshore supply vessel *SBS Cirrus* (2,562 gt, built 1985) on 12 March.

4.1.4 Three incidents were reported in the River Humber area during 2013. A POLREP referred to a 30-litre diesel spill from a pilot launch during a bunkering operation at Spurn Head. The pollution was quickly broken up and dispersed by wave action. Tier One responders completed a clean-up operation following an accidental 350-litre gas oil discharge from the standby safety vessel *Putford Enterprise* (1,793 gt, built 1985) at Hull's Alexandra Dock on 16 March. A POLREP described a 600-litre diesel spill after the motor cruiser *Jay Speed* sank in the River Ouse.

4.1.5 Two reporting organisations submitted details of a beach pollution incident after semi-weathered oil residues were washed ashore along a 24 km stretch of the east Yorkshire coastline between Scarborough and Speeton during the second week of March. At least 15 seabirds were affected and local authority personnel carried out a clean-up operation. A counter-pollution surveillance aircraft carried out a search of the area but no pollution at sea was detected.

4.1.6 Twelve incidents in nearshore waters and in the open sea were reported during 2013. In each incident the pollution dispersed naturally and no further actions were required. A surface sheen extending for more than 9 km was

reported on 16 February. Pipe failure was identified as the cause of a 1-litre hydraulic oil spill from the cable laying vessel *Maersk Responder* (6,204 gt, built 2000). A streak of black oil sludge was reported in the open sea off Robin Hood's Bay on 24 July. The 13-metre fishing boat *Magdalene Ann* (built 1960) sank following a collision with the grab hopper dredger *Elizabeth Hoej* (153 gt, built 1969) on 12 August and a diesel sheen was later observed in the vicinity of the wreck. Two reporting organisations drew attention to a 40-litre vegetable hydraulic oil discharge from the cable laying vessel *Stemat Spirit* (4,102 gt, built 2010). Offshore oil and gas installations reported 5 oil and chemical sheens and all were attributed to unidentified passing vessels.

4.2 Eastern England (Lincolnshire, Norfolk & Suffolk)

4.2.1 Five incidents were recorded during 2013, the same number as the previous year. Three discharges occurred in the open sea and a source of pollution was identified on 2 occasions. Accidental releases from offshore oil and gas installations operating off eastern England were included in the statistics for the UKCS (Refer to **4.11**).

4.2.2 The offshore wind farm crew boat *Sea Breeze* (244 gt, built 2012) reported an accidental 10-litre diesel oil discharge on 24 April. The resulting surface sheen was quickly dispersed by wave action. A surface sheen was reported occupying an area of 7.8 km² in the open sea off Cromer on 25 August. The Leman installation reported an oil sheen attributed to an unidentified passing vessel on 17 July.

4.2.3 Two reporting organisations submitted details of a beach pollution incident after palm oil residues in pellet form were washed ashore along a 4 km stretch of coastline between Lowestoft and Southwold during the last week of September. Clearance operations were completed by local authority personnel, with the source of pollution believed to have been a discharge from an unidentified passing vessel.

4.2.4 A Port of Felixstowe report referred to a 1-litre fuel oil spill from the containership *Nedlloyd Valentia* (26,833 gt, built 2004) on 17 December. Absorbent booms were deployed by the vessel's crew to contain and remove the oil from the water surface. A crack in the shell plating of a fuel tank was identified as the cause of the incident and the necessary temporary repairs were completed prior to the vessel's departure from the port.

4.3 Essex and Kent

4.3.1 Thirteen incidents were recorded by reporting organisations during 2013, one more than the total recorded during the previous year. Eight discharges occurred in local ports and harbours, 3 discharges in the open sea and there were 2 references to beach pollution incidents. The source of pollution was identified on 9 occasions and there were 5 references to fuel oils as polluting substances.

- 4.3.2** Port and harbour authorities reported vessel discharges at Dover, Harwich, London and Ramsgate. The Port of Dover provided details of 2 oil pollution incidents. An improperly secured bunker hose was identified as the cause of a 5-litre diesel oil discharge from the bunkering tanker *Cap Majeau* (2,158 gt, built 2009). The pollution dispersed naturally and no further actions were required. A hose failure on the outer bow door caused a 10-litre hydraulic oil discharge from the RO-RO ferry *Pride of Kent* (30,635 gt, built 1992) at the Eastern Docks on 19 May. Propeller wash from a harbour patrol launch was employed to disperse the pollution.
- 4.3.3** Two incident reports were submitted by the Port of Harwich during 2013. The RO-RO passenger vessel *Stena Britannica* (64,039 gt, built 2010) accidentally discharged 40 litres of heavy fuel oil during an internal transfer operation and the pollution later dispersed naturally and no further actions were required. On 5 August two 25-litre plastic drums filled with hypochlorite solution (UN Number 1791) were lost overboard from the cruise ship *Celebrity Infinity* (90,940 gt, built 2001). At the time of reporting searches had failed to locate and recover the drums.
- 4.3.4** Three incidents were recorded by the Port of London Authority during 2013. A 20-litre gas oil spill was reported by the river cruise catamaran *Hurricane Clipper* (181 gt, built 2000) at Greenwich on 12 August. Two days later a 10-litre gas oil spill was reported by the river cruise catamaran *Meteor Clipper* (169 gt, built 2007) in the same location. On both occasions the oil sheens were broken up and dispersed by propeller action. A hose failure was identified as the cause of a 2-litre heavy fuel oil spill from the motor tank vessel *Berringzee* (879 gt, built 1993) at the Canvey Island Oikos Terminal. A Thames Oil Spill Clearance Association (TOSCA) craft was deployed to assist in the clean-up operation.
- 4.3.5** A Tier Two contractor completed a clean-up operation following a 400-litre heavy fuel oil spill at the Port of Ramsgate on 8 April. A commercial vessel was believed to have been the source of the pollution.
- 4.3.6** A POLREP described a beach pollution incident at Walton on the Naze after lumps of black tar up to 50 cm in diameter were washed ashore along several beaches during the first week of April. A Kent County Council report referred to a similar incident affecting a 25 km stretch of the North Kent coast during the second week of April. Clean-up operations were undertaken by local authority personnel and a number of oiled seabirds were reported.
- 4.3.7** On 16 February the survey vessel *Sander 2* (258 gt, built 1983) reported a small gearbox oil discharge within the London Array Windfarm construction area. A brown film extending for several hundred metres was reported off the North Foreland on 20 March. A surface sheen extending for more than 10 km was observed trailing in the wake of the bulk carrier *Spiliani* (25,498 gt, built 1994) in the Dover Strait on 17 June.

4.4 Southern England (East and West Sussex, Hampshire, Dorset and the Isle of Wight)

4.4.1 Reporting organisations identified 17 pollution incidents attributed to vessels during 2013 compared with 20 incidents during 2012. Ten recorded incidents were in ports and harbours, compared to 17 during the previous year, and there were 2 references to local beach pollution incidents. Sources of pollution were identified on 14 occasions including 7 pleasure craft and 3 fishing vessels. In addition to the incidents above reporting organisations also provided local details relating to 4 larger scale incidents affecting the coastline of southern and south western England (Refer **4.5.2**, **4.5.3**, **4.5.8** and **4.5.9**).

4.4.2 Oil discharges resulting mainly in surface sheens were reported in local ports and harbours at East Cowes, Littlehampton, Lymington, Poole and Shoreham. Three reporting organisations described an incident at East Cowes Marina on 5 November after the pleasure craft *Kahu* (120 gt, built 2011) caught fire and sank causing a 500-litre diesel spill. Containment booms were deployed and most of the oil was dispersed and recovered during counter-pollution operations carried out by a Tier Two contractor. An operation to lift the vessel onto a flat top barge was completed on 12 November. Specialist advice and assistance was provided throughout the incident by the Solent Environmental Group.

4.4.3 A Littlehampton Harbour Board report referred to a small fuel oil discharge from a fishing vessel on 4 September. Six small diesel sheens were recorded by Lymington Harbour Commissioners during 2013 and all were attributed to pleasure craft. The general cargo vessel *Valiant* (1,512 gt, built 1993) was identified as the source of a diesel spill in the Port of Poole Marina on 28 April. A clean-up operation was completed and, following a prosecution brought by the Poole Harbour Commissioners, the owners of the vessel were fined £2,000 with a victim surcharge of £120. The Shoreham Port Authority provided details of a 10-litre fuel oil bunkering spill from the steam tug *Challenge* (238 gt, built 1931) owned by the Dunkirk Little Ships Restoration Trust.

4.4.4 Three vessel-casualty pollution incidents in nearshore waters were reported during 2013. A POLREP and an Environment Agency (EA) report provided details of an incident on 1 July after the fishing vessel *Lady Linda* ran aground following an engine failure. Approximately 115 litres of diesel oil escaped from the wreck and was quickly broken up and dispersed by wave action. A patch of diesel oil with an estimated volume of 3 tonnes was observed after the fishing vessel *Sally Jane* sank off Hengistbury Head on 17 September. The motor boat *Who Dares* broke up and sank in rough seas near Swanage causing a 160-litre diesel spill.

4.4.5 POLREPS referred to 2 discharges in the open sea during 2013. Passing vessels provided visual confirmation of an EMSA satellite image showing a yellow coloured surface slick extending for 1.6 km in the mid-English Channel area. The Leaf-class fleet support tanker RFA *Orangeleaf* (18,854

gt, built 1979) reported a 90-litre lubrication oil discharge on 29 December. The discharge occurred over a 32-hour interval and was traced to a generator cooler tube failure.

4.4.6 Two beach pollution incidents were reported by local authorities. Dorset County Council provided details of an incident in which blobs of oil were washed ashore along a 15 km stretch of the west Dorset coastline between Lyme Regis and West Bexington during the last week of April. Warning notices were erected at the entrances to 4 Isle of Wight beaches after spots of dark oil were washed ashore during the third week of December.

4.5 South-west England (Devon, Cornwall, Isles of Scilly, Channel Islands and the Western Approaches)

4.5.1 Eighteen vessel-source pollution incidents were identified by reporting organisations during 2013, the same number as the previous year. Seven discharges occurred in ports and harbours, 4 in the open sea, 3 in nearshore waters and there were also 4 references to beach pollution incidents. A source of pollution was identified on 11 occasions, the sources including 4 fishing vessels, 4 pleasure craft, a tanker, a general cargo vessel and a dredger.

4.5.2 Reporting organisations provided details of 4 incidents in the open sea including 2 chemical discharges and a vessel-casualty spill. Between 29 January and 10 February at least 500 seabirds, mainly guillemots and razorbills, were washed ashore between Cornwall and East Sussex coated with a high-viscosity form of the synthetic polymer polyisobutene (PIB). More than 300 surviving birds were transported to the RSPCA's West Hatch Animal Centre and South Devon Seabird Trust at Teignmouth for rehabilitation. The species involved, their poor body condition, the timing and widespread distribution of birds washed ashore and the weather conditions at the time indicated that the discharge occurred some distance offshore. Surveillance aircraft were tasked to examine the area but were unable to detect any pollution or the source of the discharge and there were no reports of any shoreline contamination.

4.5.3 A second incident involving high viscosity PIB commenced on 9 April after patches of the chemical and contaminated birds were observed in the open sea near the Eddystone Lighthouse. Over the following month more than 1,000 contaminated seabirds and debris arrived ashore in Cornwall, Devon Dorset and West Sussex with a single dead bird found in Braye Harbour in Alderney. In addition more than 250 birds recovered alive were treated at the West Hatch Animal Centre and the South Devon Seabird Trust. The MCA collected data on all the ships that passed through the area during a specific time frame with details of their cargo manifests but were unable to identify the source of the discharge. Detailed reviews of images from the EMSA satellite were unsuccessful in providing any additional information.

4.5.4 The pilot of a light aircraft reported sighting a surface oil sheen extending for 1.8 km off the Longships Lighthouse. On 3 November the 21-metre French

fishing vessel *Panamera* suffered a water ingress through a 15 cm hole in the hull and later sank in rough seas off Lizard Point. A strong smell of diesel was later reported by rescue craft.

- 4.5.5** Three vessel-casualty spills were reported in nearshore waters during 2013. The wooden trawler *Courageous II* ran aground and broke up on rocks outside Padstow Harbour on 29 April. Approximately 900 litres of diesel oil escaped from the wreck and was dispersed by wave action. All wooden and steel structures were recovered by contractors from the shoreline and a landing craft was deployed to recover the engines. A ribbon of diesel oil was sighted after the 6-metre wooden boat *Loy Boy II* sank on her mooring off Seaton. The French trawler *Scuderia* (113.84 gt, built 1988) ran aground on rocks at Lankidden Cove on 29 August. The vessel's forward fuel tank was ruptured with the loss of approximately 10 tonnes of gas oil. Cornwall Inshore Fisheries and Conservation Authority and Cornwall Council personnel temporarily plugged the fuel oil leak and deployed an absorbent boom. Salvors were later appointed to stabilise the vessel, remove the remaining fuel on board and recover the vessel which was eventually refloated on 2 September. The skipper of the trawler appeared before Truro Magistrates' Court on 6 September and was ordered to pay £11,155 in fines and costs after pleading guilty to endangering his vessel and crew together with failing to keep a proper look-out after falling asleep.
- 4.5.6** Seven oil spills were reported in ports and harbours at Falmouth, Penryn and Port Elizabeth on the Island of Jersey. Four incidents were reported by the Falmouth Harbour Commissioners during 2013, the same number as the previous year. On 4 February a clean-up operation was completed following a 10-litre diesel spill from the tanker *Steersman* (4,482 gt, built 1994). The 18-metre wooden passenger ferry *Duchess of Cornwall* (built 2008) was identified as the source of a small bunkering spill at the Prince of Wales Pier on 9 May. Absorbent pads were deployed by staff following a bilge oil discharge from the pleasure craft *Sea Tracker* moored in the Falmouth Yacht Haven. The clean-up costs were charged to the owner of the vessel. A fishing vessel was identified as the source of a diesel sheen in the Customs House Quay Basin on 16 December.
- 4.5.7** At the Port of Penryn a detached fuel tank from a derelict boat was identified as the source of a small diesel sheen. A burst hose on an excavator caused a 30-litre hydraulic oil spill from the self-propelled spud legged pontoon barge *Doreen Dorward* (166.4 tonnes dwt) in Port Elizabeth Harbour on 28 November.
- 4.5.8** Four beach pollution incidents were recorded by reporting organisations during 2013 and all were attributed to discharges from unidentified passing vessels. A POLREP referred to an incident at Bantham after tarry black globules and polluted seabirds were washed ashore on 16 April. Between 20 October and 22 November local authorities in west Cornwall and East Sussex reported some intermittent shoreline contamination with white gloopy lumps up to half-metre square which were later identified as rancid palm oil

residues. In some locations warning notices were erected and clearance operations completed by local contractors.

4.5.9 Small thumb-sized orange and yellow coloured pieces of an unidentified substance were washed ashore along a 7 km stretch of Bude Bay on 30 October. During December white waxy lumps of degraded palm oil were washed ashore at various locations in west Somerset, north and south Devon, west Dorset and West Sussex. In south Devon local authorities and private beach owners organised clearance operations and warning notices were erected advising dog owners of the potential hazards to their pets.

4.6 Bristol Channel and South Wales (Somerset, Bristol, Gloucestershire, Monmouthshire, Newport, Cardiff, Vale of Glamorgan, Bridgend, Neath Port Talbot, Swansea, Carmarthenshire and Pembrokeshire)

4.6.1 Four vessel-sourced pollution incidents were reported during 2013, the same number as the previous year. Three oil spills followed vessel casualties comprising 2 fishing vessels and an RHIB. Reporting organisations also provided details of a beach pollution incident.

4.6.2 Four reporting organisations described an incident on 28 September after the 11-metre fishing vessel *Independent* sank in Milford Dock. Absorbent pads and a boom were deployed in a clean-up operation. A sea valve pipe fracture was identified as the cause of the incident and the vessel was later refloated. A RHIB capsized off Aberdovey on 20 October causing a 90-litre petrol spill. A surface sheen was reported after the MFV *Lynn Catherine* (4.83 gt, built 1989) sank in Ramsey Sound.

4.6.3 During November and December weathered lumps of rancid palm oil were washed ashore at several locations along the South Wales coastline including Freshwater, Oxwich, Llangennith, Porthcawl, Ogmere and Southerndown. Clearance operations and temporary beach closures were reported by some local authorities and private beach owners. This incident may have been related to others that occurred during the same period in south-west and southern England (Refer **4.5.8** and **4.5.9**).

4.7 Irish Sea (Ceredigion, Gwynedd, Isle of Anglesey, Conwy, Denbighshire, Flintshire, Merseyside, Lancashire, Cumbria, Isle of Man and all Districts of Northern Ireland)

4.7.1 Respondents identified 4 oil discharges from vessels during 2013 compared with 7 discharges during the previous year. Two incidents occurred in ports and harbours and 2 in nearshore waters and the open sea. Details of accidental releases from oil and gas installations operating in Morecambe Bay are included in the statistics for the UKCS (Refer to **4.11**).

4.7.2 The oil products tanker *Mersey Spirit* (1,476 gt, built 1996) was identified as the source of a 50-litre lubrication oil spill at Barrow on the 17 April and a clean-up operation was completed. A leaking keel tank was identified as the cause of a 5-litre diesel discharge from the kingfisher class yacht *Perigee* at

Pen-Sarn in Tremadog Bay. An absorbent boom was deployed around the vessel and a full drain-down of the keel tanks completed to prevent any further discharge.

4.7.3 The Conwy installation reported a light oil sheen which was attributed to an unidentified passing vessel. A POLREP referred to a 400-litre hydraulic oil spill from the jack-up support vessel *Seaworker* (3,776 gt, built 2008) located at the Gwynt Y Mor Windfarm off Prestatyn. A burst pipe was identified as the cause of the incident and there was no evidence of any pollution on the water surface.

4.8 Western Scotland (Dumfries and Galloway, Ayrshire, Inverclyde, Argyll & Bute and the Highlands & Islands Region to Cape Wrath)

4.8.1 Reporting organisations submitted details of 13 vessel-source pollution incidents during 2013 compared with 10 during the previous year. All incidents occurred in local ports or harbours and fishing vessels were identified as the source of pollution on 6 occasions. Further analysis of the information contained in annual returns showed one oil spill caused by a vessel casualty.

4.8.2 Reporting organisations submitted details of oil discharges resulting mainly in surface sheens at Corpach, Dunstaffnage, Gott Bay, Kyleakin, Kyle of Lochalsh, Loch Goil, Mallaig, Oban, Rodel and Stornoway. A suspected bilge pump-out was believed to have caused a diesel sheen at Corpach. Absorbent pads were deployed during a counter-pollution operation at Dunstaffnage Marina following a discharge from an unidentified vessel. A Scottish Environment Protection Agency (SEPA) report referred to a diesel sheen at Gott Bay Harbour on 3 March that resulted in some shoreline contamination and damage to wildlife. A fishing vessel was identified as the most likely source of a diesel sheen in Kyleakin Harbour which later dispersed naturally.

4.8.3 A suspected bilge discharge was identified as the source of a diesel sheen reported in Kyle of Lochalsh Harbour on 4 October. On 3 May the historic tug *Golden Cross* (132 gt, built 1955) was beached south of Carrick Castle after taking on water while moored at the mouth of Loch Goil. Tier One counter-pollution equipment was deployed following discharges of contaminated bilge water from the beached vessel.

4.8.4 The Mallaig Harbour Authority identified three 10-litre diesel spills from fishing vessels during 2013. On each occasion harbour staff carried out a clean-up operation. A POLREP and an Argyll and Bute Council report referred to a 30-litre marine gas oil bunkering spill from the well-boat *Ronja Settler* (499 gt, built 2002) in Oban Harbour. Two booms and 3 absorbent pads were deployed in a counter pollution operation and a small quantity of remaining oil was left to disperse naturally.

4.8.5 A SEPA report referred to an incident in Rodel Harbour on the Isle of Harris following a small oil discharge from a derelict boat. Two incidents were

reported in Stornoway Harbour during 2013. A spill kit was deployed in a clean-up operation following a suspected bilge discharge from a fishing vessel on 2 September. A POLREP and a SEPA report described a 12-litre lubrication oil discharge from the RO-RO Caledonian MacBrayne ferry *Isle of Lewis* (6,753 gt, built 1995) on 4 October. A leaking stern gland was identified as the cause of the discharge and the vessel was taken out of service for repairs.

4.9 Orkney and Shetland Islands

4.9.1 Five oil pollution incidents attributed to vessels were reported during 2013 compared with 6 incidents during 2012. All five incidents occurred in ports and harbours and a source of pollution was identified on each occasion comprising 3 fishing vessels, an offshore support vessel and a pipe-burying vessel. Accidental releases from oil installations operating in the West Shetland Basin were included in the statistics for the UKCS (Refer to **4.11**).

4.9.2 Orkney Islands Council Marine Services provided details of 2 incidents in Kirkwall Harbour during 2013 and on both occasions the oil dispersed naturally and no further actions were required. A tank overflow during a bunkering operation alongside Kirkwall Pier caused a 20-litre diesel spill from a fishing vessel on 12 April. A leaking sea seal on a stern thruster header tank was identified as the cause of a 15-litre lubrication oil discharge from the anchor handling vessel *Deep Vision* (4,491 gt, built 2002) at the Halston Pier berth on 20 November.

4.9.3 Three oil pollution incidents were recorded in the ports and harbours of the Shetlands Islands during 2013. The wooden 10-metre fishing vessel *Craignair* was identified as the source of a small diesel discharge in Scalloway Harbour on 7 June. Propeller wash from a pilot boat was employed to disperse the pollution. Three reporting organisations described an incident on 5 August after the 20.62-metre wooden twin-rig stern trawler *Prospect* (built 1996) grounded on Skibby Baas rocks and sank in the north entrance to Lerwick Harbour. Over the following 18 days approximately 5 tonnes of diesel escaped from the wreck and was dispersed by wave action. The vessel was refloated on 22 August and later repaired and re-launched. The pipe burying vessel *Tertnes* (7,857 gt, built 1985) reported a small hydraulic oil leak while recovering an ROV in Yell Sound Harbour on 24 August.

4.10 Eastern Scotland (the northern and eastern shores of the Highlands and Islands Region from Cape Wrath, Moray, Aberdeenshire, Angus, Fife, Lothian and Scottish Borders)

4.10.1 Twenty discharges from vessels were recorded by reporting organisations during 2013, five fewer than the previous year's total. Analysis of incidents by marine environmental zones showed 12 spills occurred in ports and harbours, 7 in the open sea and nearshore waters and there was one reference to a beach pollution incident. The source of the pollution was identified on 12 occasions, sources including 3 support/supply vessels, 2 derelict

workboats, a RO-RO cargo vessel, a semi-submersible rig, a tug, a creeler, a self propelled crane barge and a lifeboat. At least 3 incidents were caused by vessel casualties which were 2 workboats and a fishing vessel.

4.10.2 Aberdeen Harbour Board provided details of 5 discharges during 2012 compared with 9 discharges during 2012. The source of discharge was identified on 4 occasions and sources comprised 3 support/supply vessels and a tug. Estimated volumes were provided for 3 discharges and the median volume was 190 litres compared with 11 litres during the previous year. The offshore supply ship *Skandi Marstein* (3,171 gt, built 1996) reported two hydraulic oil leaks from a thruster unit on 5 February and 11 May. On both occasions the oil dispersed naturally and the defective thruster unit was eventually repaired with the replacement of a mineral hydraulic oil with a biodegradable type. Another leaking thruster unit caused a 190-litre hydraulic oil discharge over several days from the tug *Carrickfergus* (206 gt, built 1976). A boom was deployed in a counter-pollution operation and the vessel was later dry docked to enable the necessary repairs to be completed. On 30 July the standby safety vessel *Ocean Clever* (1,409 gt, built 1975) reported a 600-litre diesel spill during a bunkering operation at the Pocrá Quay. During a clean-up operation undertaken by the contractor Briggs Marine a boom was placed around the vessel and the oil recovered from the harbour.

4.10.3 Two oil pollution incidents were reported by the Cromarty Firth Port Authority during 2013 compared with 5 incidents during 2012. The semi-submersible drilling rig *Transocean Sedco 712* was identified as the source of a 5-litre diesel spill at Invergordon's Queens Dock on 4 March. The spill occurred when a redundant fuel supply hose was removed from the rig. Absorbent materials were deployed during a clean-up operation. Three reporting organisations described an incident in the same location on 1 November following a 4-tonne gas oil discharge in contaminated ballast from the self-propelled crane barge *Woodstock 1* (256 gt, built 1973). Absorbent booms and skimmers were deployed in a counter-pollution operation completed by a specialist contractor.

4.10.4 Elsewhere, reporting organisations recorded 6 oil spills in ports and harbours at Buckie, Eyemouth, Rosyth and St Andrews. The Moray Council provided details of a diesel spill from an unidentified vessel in Buckie Harbour. A small diesel sheen was reported after a derelict workboat sank in Eyemouth Harbour on 31 July. Absorbent booms and pads were deployed in a clean-up operation. The RO-RO cargo vessel *Longstone* (23,235 gt, built 2003) reported two hydraulic oil spills in Rosyth Harbour on 18 October and 3 November. A SEPA report referred to a small surface sheen after a workboat caught fire in St Andrews Harbour on 22 June.

4.10.5 The 8-metre creeler *St Peter* sank off Dunbar on 1 July causing a small diesel spill which later dispersed naturally. Patches of oil or surface sheens in the open sea were reported on 6 occasions and all were attributed to unidentified passing vessels. The Claymore installation reported an oil sheen occupying an area of 9.36 km² and with an estimated maximum volume of 3.9 tonnes.

Samples of the sheen were acquired but insufficient hydrocarbons were present to analyse and provide a credible suite of results. A surface sheen covering an area of 1.12 km² and with an estimated maximum volume of 2.03 tonnes was reported near the Forties pipeline in the vicinity of Cruden Bay. Oil samples were taken and surveillance flights indicated that there had been no release from the Forties pipeline.

- 4.10.6** A SEPA report referred to an incident at Lossiemouth after traces of oil were washed ashore along the West beach on 22 October.

4.11 United Kingdom Continental Shelf

4.11.1 The statistics for this enumeration area were again compiled from POLREP reports submitted by the MCA and PON1 reports submitted by DECC. Operators are required to notify DECC where an unauthorised release of oil or chemical to sea, regardless of volume, has occurred. Each incident is reported on a PON1 to DECC's Offshore Environmental Inspectorate, MCA, the Joint Nature Conservation Committee (JNCC) and Marine Scotland.

4.11.2 DECC reviews every PON1 that is received in order to assess the potential for environmental impact and the need for any counter-pollution response actions. In addition, each incident reported is reviewed to ensure actions are being undertaken to prevent recurrence and to assess whether there has been any contravention of legislation. This is undertaken in accordance with DECC's investigation and enforcement policies.

4.11.3 Separate data sets have been presented for releases attributed to offshore oil and gas installations and for discharges attributed to vessels, whether identified or not, operating within the UKCS area (Refer to **Figure 2**).

Oil and gas installations

4.11.4 All unplanned releases of oil or chemicals, regardless of volume, must be notified to the relevant authorities. Releases of operational chemicals being used subsea as part of the exploration and production process may take place over a significant period of time. In some cases it may be many months before remedial work can be undertaken due to the timescales involved in sourcing vessels and equipment to carry out the work. Environmental risk assessments have shown that these events, which are normally of relatively small volume, usually cause negligible impact on the marine environment. Details of all releases, including a cause when known, are listed in **Appendix 1** (UKCS oil and gas installations) and further information is provided in **Section 3** for those releases of 2 tonnes or more.

4.11.5 A total of 315 oil releases were attributed to oil and gas installations operating in the open sea during 2013 including the west Shetland Basin, Liverpool Bay and off the coast of eastern England. The 2013 annual total was the highest total recorded since 2002 and 33 more than the mean annual total of 277 releases reported between 2000 and 2012.

- 4.11.6** Analysis of oil types showed that 40% of reported releases were identified as lubrication and hydraulic oils, followed by 22% fuel oils and 16 % crude oils. The corresponding statistics from the 2012 survey were 37%, 24% and 17% respectively. Estimated volumes for 316 oil releases were reported (including 3 ongoing releases) and of these approximately 57% were less than 5 litres.
- 4.11.7** In addition, the authorities were notified of 209 releases of chemical substances during 2013 compared with 229 releases during the previous year. These chemicals are routinely used in oil and gas exploration and production operations and included ammonium bisulphite, barite, bentonite, glycol solutions, hydraulic fluids, methanol and sodium solutions.
- 4.11.8** The estimated volumes of accidental chemical releases ranged from 0.001 kg to 189,300 kg and 47 discharges were 1 tonne or more. It should be noted, however, that many of the larger discharges associated with operational chemicals being used sub-sea occurred over an extended interval due to the requirement for operators to source vessels and equipment to locate the source of the release and undertake repairs. Further details are provided in **Section 3**.
- 4.11.9** Of the total chemicals spilled in 2013 approximately 87% were considered under the OSPAR list of substances used and discharged offshore as Posing Little or No Risk to the Environment (PLONOR). None of the chemicals spilled are included in the OSPAR list of chemicals for priority action, which are considered to pose the greatest hazard. None of the spill incidents resulted in a significant environmental impact.
- 4.11.10** The PON1 reports again indicated that remedial actions were taken by operators following accidental releases. The responses included identification of root causes of spills and improvements in operational control procedures, recommendations concerning preventative actions and carrying out any necessary repairs and modifications to faulty or damaged equipment.

Vessels

- 4.11.11** A further 26 incidents were identified in POLREPS and PON1s. Most involved surface sheens or thicker oil slicks reported by the nearest offshore installation but attributed to a discharge from a 'third party' elsewhere that was generally assumed to have been a passing vessel. The maximum estimated volumes, where known, ranged from less than 1 litre to 3.26 tonnes. In each incident the pollution was believed to have dispersed naturally without posing a threat to wildlife or the coastline. On 11 September the Gannet Alpha installation reported an oil sheen covering an area of 10.02 km² and with an estimated maximum volume of 3.26 tonnes. Surveillance aircraft were sent to the area to obtain information but were unable to determine the source of the discharge.

SECTION 5: QUALITY ASSURANCE PLAN AND ACKNOWLEDGEMENTS

5.1 Quality Assurance Plan

As part of a comprehensive quality assurance plan data verification procedures were again applied at all stages during the 2013 survey. For example, other sources of information were consulted including the casualty section of *Lloyd's List*, and any relevant reports were cross-referenced with the appropriate questionnaire returns.

The approaches for data entry and analysis were clearly shown in the relevant tables and all entries to the enumeration area sub-sets were subject to independent checking to detect any errors. On some occasions unexpected values were confirmed with the various data-sources. Multiple reports were again received from DECC and MCA describing releases from oil and gas installations operating on the UKCS. For the remaining discharges from vessels 28% of individual incident reports were compiled from questionnaire returns submitted by two or more reporting organisations which was 2% fewer than the previous year.

As part of the quality assurance plan the complete database is provided for scrutiny in **Appendix 1** thereby enabling stakeholder groups to determine the reliability and accuracy of the survey results. Furthermore, the annual survey reports are made available to all interested parties through the MCA's website (www.dft.gov.uk/mca) and the ACOPS website (www.acops.org.uk).

5.2 Acknowledgements

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Local Government Association
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Natural Resources Wales
Northern Ireland Environment Agency
Royal Society for the Prevention of Cruelty to Animals
Scottish Environment Protection Agency
Scottish Society for the Prevention of Cruelty to Animals
United Kingdom Major Ports Group Limited

APPENDIX 1

SUMMARY OF REPORTED INCIDENTS

Key to types of vessels

MCT	Chemical tanker
MFV	Fishing vessel
MSV	Offshore supply/standby vessel
MT	Oil tanker
MV	General cargo vessel
PC	Pleasure craft
RFA	Royal Fleet Auxiliary vessel
RHIB	Rigid-hulled inflatable vessel
RO-RO	Roll-on roll-off ferry

1: NORTH-EAST ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
NE/002	13/02/2013	Spurn Head Jetty	Oil	Diesel	30 litres	Pilot launch Neptune	Sheen dispersed naturally.
NE/003	16/02/2013	54-03N: 02-12E	Oil	Nk	Nk	Unidentified vessel	Slick extending for more than 9 km.
NE/007	10/03/2013	Yorkshire coastline	Oil	Fuel	Nk	Unidentified vessel	Oil washed ashore over a distance of 24 km.
*NE/010	12/03/2013	Teesport	Oil	Hydraulic	10 litres	MSV SBS Cirrus	Sheen dispersed naturally.
NE/012	16/03/2013	Port of Hull	Oil	Gas	350 litres	MSV Putford Enterprise	Clean-up completed.
NE/013	26/04/2013	54-39N: 01-06W	Oil	Hydraulic	1 litre	MV Maersk Responder	Oil dispersed naturally.
NE/440	27/04/2013	54-06N: 00-50E	Oil	Nk	Nk	Unidentified vessel	Light sheen reported by passing vessel.
*NE/441	08/05/2013	Port of Sunderland	Oil	Hydraulic	5 litres	MV Arco Beck	Spill to dock dispersed naturally.
*NE/1810	16/05/2013	53-49N: 00-28E	Oil	Nk	1.6 litres	Unidentified vessel	Reported by Rough Installation.
*NE/1823	20/06/2013	53-50N: 00-26E	Oil	Nk	0.1 litres	Unidentified vessel	Reported by Rough Installation.
*NE/1827	07/07/2013	54-02N: 00-43E	Chemical	Nk	25 kg	Unidentified vessel	Reported by Cleeton Installation.
NE/019	24/07/2013	54-26N: 00-23W	Oil	Sludge	Nk	Unidentified vessel	Oil dispersed naturally.
*NE/1842	01/08/2013	53-42N: 01-09E	Chemical	Nk	25 kg	Unidentified vessel	Reported by West Sole Installation.
*NE/1844	04/08/2013	53-53N: 00-26E	Oil	Nk	40.5 litres	Unidentified vessel	Reported by York Installation.
NE/439	12/08/2013	53-47N: 00-02E	Oil	Diesel	Nk	MFV Magdalene Ann	Vessel sank following collision.
NE/021	20/08/2013	River Ouse	Oil	Diesel	600 litres	PC Jay Speed	Pleasure craft sank, oil dispersed naturally.
*NE/024	08/10/2013	Warkworth Harbour	Oil	Diesel	0.10 litres	MFV Shemara	Bilge discharge, sheen dispersed naturally.
NE/026	12/11/2013	53-39N: 00-15E	Vegetable	Hydraulic	40 litres	MV Stemat Spirit	Sheen dispersed naturally.
*NE/027	13/11/2013	Port of Sunderland	Oil	Diesel	10 litres	MFV Ocean Sprite	Spill in dry dock, clean-up completed.
NE/029	18/12/2013	Port of Tyne	Oil	Diesel	Nk	MFV Grenaa Star	Vessel damaged after collision.

2: EASTERN ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EE/051	24/04/2013	53-09N: 00-32E	Oil	Diesel	10 litres	MV Sea Breeze	Sheen dispersed naturally.
*EE/1832	17/07/2013	53-05N: 02-07E	Oil	Nk	100 litres	Unidentified vessel	Reported by Leman Installation.
EE/054	25/08/2013	52-57N: 02-25E	Oil	Nk	Nk	Unidentified vessel	Particles and sheen dispersed naturally.
EE/445	30/09/2013	Lowestoft	Vegetable	Palm oil	Nk	Unidentified vessel	Weathered residues washed ashore.
*EE/058	17/12/2013	Port of Felixstowe	Oil	Fuel	1 litre	MV Nedlloyd Valentina	Clean-up completed.

3: ESSEX AND KENT (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EK/075	16/02/2013	51-36N: 01-20E	Oil	Gearbox	0.5 litres	Survey vessel Sander 2	Oil leaked from failed pumpjet.
EK/076	20/03/2013	51-21N: 01-37E	Oil	Nk	Nk	Unidentified vessel	Brown film dispersed naturally.
EK/079	04/04/2013	Walton on Naze	Oil	Black tar	Nk	Unidentified vessel	Pollution spread along several local beaches.
EK/078	08/04/2013	Port of Ramsgate	Oil	Lubrication	400 litres	Unidentified vessel	Clean-up completed.
*EK/081	08/04/2013	North Kent beaches	Oil	Black tar	Nk	Unidentified vessel	Oil residues removed from 25 km beaches.
*EK/451	12/04/2013	Port of Dover	Oil	Diesel	5 litres	MT Cap Majeau	Sheen dispersed naturally.
EK/087	19/05/2013	Port of Dover	Oil	Hydraulic	10 litres	RO-RO Pride of Kent	Sheen dispersed by propeller wash.
EK/089	17/06/2013	51-06N: 01-33E	Oil	Nk	Nk	MV Spiliani	Slick extending for more than 10 km.
EK/090	18/06/2013	Port of Harwich	Oil	Fuel	40 litres	RO-RO Stena Britannica	Clean-up completed.
*EK/092	05/08/2013	Port of Harwich	Chemical	Hypochlorite	50 litres	MV Celebrity Infinity	Two drums lost overboard.
*EK/504	12/08/2013	Greenwich	Oil	Gas	20 litres	MV Hurricane Clipper	Sheen dispersed naturally.
*EK/505	14/08/2013	Greenwich	Oil	Gas	10 litres	MV Meteor Clipper	Clean-up completed.
EK/093	17/11/2013	Canvey Terminal	Oil	Fuel	2 litres	MT Berringzee	Clean-up completed.

4: SOUTHERN ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*SE/108	20/01/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
*SE/116	12/03/2013	Port of Shoreham	Oil	Fuel	10 litres	MTUG Challenge	Bunkering spill, clean-up completed.
*SE/120	17/04/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
*SE/514	23/04/2013	West Dorset	Oil	Nk	Nk	Unidentified vessel	Oil residues along a 15 km stretch coastline.
*SE/121	28/04/2013	Port of Poole	Oil	Diesel	Nk	MV Valiant	Clean-up completed.
*SE/122	24/05/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
*SE/123	01/06/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
SE/125	01/07/2013	50-44N: 01-39W	Oil	Diesel	115 litres	MFV Lady Linda	Sheen broken up by wave action.
*SE/130	18/08/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
*SE/131	04/09/2013	Littlehampton Harbour	Oil	Fuel	0.1 litres	MFV Moonstone	Sheen dispersed naturally.
*SE/132	07/09/2013	Lymington Harbour	Oil	Diesel	Nk	Pleasure craft	Sheen dispersed naturally.
SE/133	17/09/2013	50-40N: 01-41W	Oil	Diesel	3 tonnes	MFV Sally Jane	Vessel sank, oil dispersed naturally.
SE/135	28/09/2013	50-36N: 01-56W	Oil	Diesel	160 litres	PC Who Dares	Vessel sank, oil dispersed naturally.
SE//139	05/11/2013	East Cowes Marina	Oil	Diesel	500 litres	MV Kahu	Vessel caught fire and sank.
SE/146	14/12/2013	Isle of Wight	Oil	Nk	Nk	Unidentified vessel	Fresh oil washed ashore on 4 beaches.
SE/149	26/12/2013	50-27N: 00-15W	Other	Nk	Nk	Unidentified vessel	Yellow slick extending for 1.6 km.
SE/150	29/12/2013	50-34N: 02-26W	Oil	Lubrication	90 litres	RFA Orangeleaf	Slow leakage from generator.

5: SOUTH-WEST ENGLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
SW/477	29/01/2013	Off South West England	Chemical	Polyisobutene	Nk	Unidentified vessel	At least 500 seabirds affected.
*SW/170	04/02/2013	Falmouth Harbour	Oil	Diesel	10 litres	MT Steersman	Bunkering spill, clean-up completed.
SW/175	09/04/2013	50-04N: 04-23W	Chemical	Polyisobutene	Nk	Unidentified vessel	Pollutant reported at sea and ashore.
*SW/177	10/04/2013	Falmouth Harbour	Oil	Diesel	30 litres	PC Defender	Bunkering spill.
SW/183	16/04/2013	Bantham Beach	Oil	Crude	Nk	Unidentified vessel	Clean-up completed.
SW/173	29/04/2013	50-34N: 04-55W	Oil	Diesel	900 litres	MFV Courageous II	Vessel sank, clean-up completed.
SW/186	03/05/2013	50-01N: 05-49W	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed naturally.
*SW/187	09/05/2013	Falmouth Harbour	Oil	Diesel	Nk	MV Duchess of Cornwall	Sheen dispersed naturally.
*SW/195	13/07/2013	Falmouth Harbour	Oil	Diesel	Nk	PC Sea Tracker	Clean-up completed.
*SW/201	07/08/2013	Port of Penryn	Oil	Diesel	Nk	Pleasure Craft	Clean-up completed.
SW/202	09/08/2013	50-42N: 03-04W	Oil	Diesel	27 litres	PC Loy Boy II	Vessel sank, oil dispersed naturally.
SW/205	29/08/2013	50-00N: 05-07W	Oil	Gas	10 tonnes	MFV Scuderia	Vessel ran aground.
SW/207	20/10/2013	Cornwall and Sussex	Vegetable	Palm oil	Nk	Unidentified vessel	Clearance operations completed.
SW/211	30/10/2013	North Cornwall	Other	Nk	Nk	Unidentified vessel	Orange and yellow residues.
SW/213	03/11/2013	49-37N: 04-49W	Oil	Diesel	Nk	MFV Panamera	Vessel sank, oil dispersed naturally.
*SW/217	28/11/2013	Elizabeth Harbour	Oil	Hydraulic	30 litres	MV Doreen Dorwood	Hose failure, oil dispersed naturally.
*SW/219	16/12/2013	Falmouth Harbour	Oil	Diesel	Nk	Fishing vessel	Oil dispersed naturally.
SW/220	19/12/2013	Devon,Somerset,Dorset,Sussex	Vegetable	Palm oil	Nk	Unidentified vessel	Clearance operations completed.

6: BRISTOL CHANNEL AND SOUTH WALES (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
BC/237	28/09/2013	Milford Dock	Oil	Diesel	3 litres	MFV Independant	Vessel sank on mooring, clean-up completed.
BC/246	20/10/2013	52-33N: 04-05W	Oil	Petrol	90 litres	RHIB Bertie	Vessel capsized, sheen dispersed naturally.
BC/247	08/11/2013	South Wales	Vegetable	Palm oil	Nk	Unidentified vessel	Clearance operations completed.
BC/253	26/12/2013	51-52N: 05-17W	Oil	Diesel	Nk	MFV Lynn Catherine	Vessel sank, oil dispersed naturally.

7: IRISH SEA (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
IS/491	17/04/2013	Port of Barrow	Oil	Lubrication	50 litres	MT Mersey Spirit	Clean-up completed.
*IS/1809	12/05/2013	53-36N: 03-39W	Oil	Nk	0.4 litres	Unidentified vessel	Reported by Conwy Installation.
IS/270	26/06/2013	53-21N: 03-25W	Oil	Hydraulic	400 litres	MV Seaworker	Oil dispersed naturally.
*IS/271	09/09/2013	Pen-Sarn	Oil	Diesel	5 litres	PC Perigee	Clean-up completed.

8: WESTERN SCOTLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*WS/333	11/01/2013	Corpach Harbour	Oil	Diesel	Nk	Unidentified vessel	Suspected bilge discharge.
*WS/336	03/03/2013	Gott Bay Harbour	Oil	Diesel	Nk	Fishing vessel	Sheen dispersed naturally.
*WS/338	12/03/2013	Kyleakin Harbour	Oil	Diesel	Nk	Fishing vessel	Suspected bilge discharge.
*WS/339	23/03/2013	Mallaig Harbour	Oil	Diesel	10 litres	Fishing vessel	Clean-up completed.
WS/494	03/05/2013	Loch Goil	Oil	Bilge	Nk	MTUG Golden Cross	Clean-up completed.
WS/343	23/05/2013	Oban Harbour	Oil	Gas	30 litres	MV Ronja Settler	Clean-up completed.
*WS/344	24/05/2013	Rodel Harbour	Oil	Nk	Nk	Derelict boat	Oil dispersed naturally.
*WS/340	28/06/2013	Mallaig Harbour	Oil	Diesel	10 litres	Fishing vessel	Clean-up completed.
*WS/345	02/09/2013	Stornoway Harbour	Oil	Bilge	Nk	Fishing vessel	Suspected bilge discharge.
*WS/341	10/09/2013	Mallaig Harbour	Oil	Diesel	10 litres	Fishing vessel	Clean-up completed.
WS/350	04/10/2013	Stornoway Harbour	Oil	Lubrication	12 litres	MV Isle of Lewis	Sheen dispersed naturally.
*WS/349	04/10/2013	Kyle of Lochalsh Harbour	Oil	Bilge	Nk	Unidentified vessel	Suspected bilge discharge.
*WS/357	01/12/2013	Dunstaffnage Marina	Oil	Nk	Nk	Unidentified vessel	Clean-up completed.

9: ORKNEY AND SHETLAND ISLANDS (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*OS/379	12/04/2013	Kirkwall Pier	Oil	Diesel	20 litres	Fishing vessel	Bunkering spill, oil dispersed naturally.
*OS/380	07/06/2013	Scalloway Harbour	Oil	Fuel	1 litre	MFV Caignair	Clean-up completed.
OS/381	05/08/2013	Lerwick Harbour	Oil	Diesel	5 tonnes	MFV Prospect	Oil dispersed naturally.
*OS/384	24/08/2013	Yell Sound Harbour	Oil	Hydraulic	Nk	MV Tertnes	Oil dispersed naturally.
*OS/389	20/11/2013	Kirkwall	Oil	Lubrication	15 litres	MSV Deep Vision	Oil dispersed naturally.

10: EASTERN SCOTLAND (*Incident not identified by a POLREP)							
Reference	Date	Location	Category	Type	Amount	Source	Comments
*ES/392	05/02/2013	Aberdeen Harbour	Oil	Hydraulic	5 litres	MSV Skandi Marstein	Oil dispersed naturally.
*ES/394	04/03/2014	Invergordon Harbour	Oil	Diesel	5 litres	Rig Transocean 712	Clean-up completed.
ES/396	28/03/2013	Aberdeen Harbour	Oil	Hydraulic	190 litres	MTUG Carrickfergus	Leak from thruster, clean-up completed.
*ES/398	31/03/2013	Aberdeen Harbour	Oil	Nk	Nk	Unidentified vessel	Sheen dispersed naturally.
*ES/1804	12/04/2013	58-24N: 00-34W	Oil	Nk	1.5 litres	Unidentified vessel	Reported by Athena Installation.
*ES/402	11/05/2013	Aberdeen Harbour	Oil	Hydraulic	Nk	MSV Skandi Marstein	Oil dispersed naturally.
*ES/1818	05/06/2013	58-26N: 00-15W	Oil	Nk	3.9 tonnes	Unidentified vessel	Reported by Claymore Installation.
*ES/1820	11/06/2013	55-24N: 00-34W	Oil	Nk	2 litres	Unidentified vessel	Reported by Athena Installation.
*ES/408	22/06/2013	St Andrews Harbour	Oil	Nk	Nk	Workboat	Derelict workboat caught fire.
ES/498	01/07/2013	56-02N: 02-31W	Oil	Diesel	Nk	MFV St. Peter	Vessel sank,oil dispersed naturally.
ES/410	21/07/2013	57-24N: 01-43W	Oil	Nk	Nk	Unidentified vessel	Oil dispersed naturally.
*ES/411	30/07/2013	Aberdeen Harbour	Oil	Diesel	600 litres	MSV Ocean Clever	Bunkering spill, clean-up completed.
*ES/412	31/07/2013	Eyemouth Harbour	Oil	Diesel	Nk	Workboat	Workboat sank, clean-up completed.
*ES/413	01/08/2013	Buckie Harbour	Oil	Diesel	Nk	Unidentified vessel	Oil dispersed naturally.
*ES/1845	08/08/2013	58-06N: 01-26W	Oil	Nk	100 litres	Unidentified vessel	Reported by Ross Installation.
ES/416	18/10/2013	Rosyth Harbour	Oil	Hydraulic	100 litres	MV Longstone	Oil dispersed naturally.
*ES/354	22/10/2013	Lossiemouth beach	Oil	Nk	Nk	Unidentified vessel	Traces of oil on beach.
ES/355	01/11/2013	Invergordon Harbour	Oil	Gas	4 tonnes	MV Woodstock	Clean-up completed.
ES/419	03/11/2013	Rosyth Harbour	Oil	Hydraulic	50 litres	MV Longstone	Clean-up completed.
ES/583	21/11/2013	57-10N: 01-01W	Oil	Nk	Nk	Lifeboat	Light sheen dispersed naturally.

11: UKCS OIL AND GAS INSTALLATION RELEASES.

Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/1200	01/01/2013	61-19N: 03-10W	Chemical	Oil based mud	1,206 kg	Stena Carron	Failed seal on telescopic joint.
UKCS/1201	02/01/2013	61-05N: 01-43E	Oil	Diesel	0.00384 tonnes	Brent C	Valve nudged open and dripped to open drain.
UKCS/1202	03/01/2013	57-48N: 00-58W	Oil	Waste	0.000252 tonnes	Buzzard Production	Failure of Wilden pump hose.
UKCS/1203	04/01/2013	58-25N: 00-20E	Oil	Diesel	0.0008 tonnes	Saltire A	Corrosion of diesel ring main.
UKCS/1204	07/01/2013	61-02N: 01-17E	Chemical	Stack-Magic/glycol	208.81 kg	Transocean John Shaw	Control umbilical had hydraulic fluid loss.
UKCS/1205	08/01/2013	59-16N: 01-30E	Chemical	Erifon 818	12 kg	Harding	Seal assembly failure on conductor tensioner.
UKCS/1206	08/01/2013	53-50N: 00-26W	Oil	Diesel	0.002209 tonnes	Rough CD	Sheen coming from below the water surface.
UKCS/1207	10/01/2013	60-44N: 02-29W	Chemical	Stack-Magic/MEG	1.058 kg	Paul B Lloyd Jnr	Leaking BOP Pod, repairs completed.
UKCS/1208	10/01/2013	60-21N: 04-03W	Oil	Crude	0.02 tonnes	Schiehallion FPSO	Spill from crude oil washing to deck.
UKCS/1209	11/01/2013	58-47N: 01-20E	Chemical	Methanol	5 kg	Brae B	Seal failure on methanol system
UKCS/1210	12/01/2013	57-39N: 01-08E	Oil	Hydraulic	0.011 tonnes	Nelson	Derrick supply line leak.
UKCS/1211	12/01/2013	60-19N: 04-15W	Oil	Tellus 22	0.0011 tonnes	Acergy Petrel	Release from pressure relief valve.
UKCS/1212	14/01/2013	58-06N: 01-26W	Oil	Oily Water	0.00976 tonnes	Ross FPSO Bleo Holm	Discharge hose separated from pump body.
UKCS/1213	15/01/2013	56-50N: 02-15E	Oil	Diesel	0.000425 tonnes	Jade Steel	Bolt broken on bunkering hose coupling.
UKCS/1214	15/01/2013	56-04N: 03-07E	Oil	Diesel	0.0108 tonnes	Angus suspended pipeline	Release replacing plug on decommissioned pipeline.
UKCS/1215	16/01/2013	56-23N: 02-15E	Chemical	Flotron WM1620	640.818 kg	Janice A FPU	Leak from the umbilical connection to tie-in point.
UKCS/1216	16/01/2013	56-56N: 02-09E	Oil	Condensate	0.01 tonnes	EnSCO 101	Condensate drop-out from flare.
UKCS/1217	16/01/2013	61-07N: 01-44E	Oil	Diesel	0.000008 tonnes	Brent D	Diesel leak on disconnecting bunkering hose.
UKCS/1218	17/01/2013	59-16N: 01-30E	Oil	Diesel	0.0731 tonnes	Harding	Ruptured bunkering hose.
UKCS/1219	17/01/2013	53-27N: 01-43E	Chemical	MEG	0.012 kg	Clipper PR	Hairline crack in MEG line.
UKCS/1220	20/01/2013	59-16N: 01-30E	Chemical	Erifon 818	5 kg	Harding	Seal failure on conductor tensioners system.
UKCS/1221	20/01/2013	57-48N: 00-58W	Oil	Diesel	0.000105 tonnes	Buzzard Wellhead	Overfilled fire pump storage tank.
UKCS/1222	21/01/2013	57-48N: 00-58W	Oil	Waste	0.0456 tonnes	Buzzard Wellhead	Damaged sight glass resulting in release.
UKCS/1223	22/01/2013	60-41N: 02-32W	Chemical	EC1389B/ TEG	1,860.858 kg	Clair Phase 1	Corrosion under insulation on heating medium line.
UKCS/1224	23/01/2013	60-18N: 04-16W	Oil	Hydraulic	0.000174 tonnes	Foinaven - FPSO Petrojarl	Release from TDU hydraulic hose.
UKCS/1225	25/01/2013	57-39N: 01-08E	Oil	Diesel	0.995 tonnes	Nelson	Bunkering hose.
UKCS/1226	26/01/2013	54-02N: 00-43E	Oil	Diesel	0.00136 tonnes	Cleeton CPQ	Release of diesel during isolation of skid.

UKCS/1227	28/01/2013	60-52N: 03-08W	Chemical	Pelagic 50/MEG	43.8 kg	West Phoenix	Fluid loss due to a Stack Stinger seal failure.
UKCS/1228	29/01/2013	53-31N: 01-47E	Oil	Waste	0.001 tonnes	Clipper PT	Suspected residue washed from deck during rain.
UKCS/1229	29/01/2013	58-17N: 00-12E	Oil	Diesel	0.000425 tonnes	Scott JD	Incorrectly positioned valve.
UKCS/1230	31/01/2013	56-11N: 02-45E	Chemical	Versaclean OBM	10 kg	Ocean Princess	Residual in riser when disconnected.
UKCS/1231	31/01/2013	58-06N: 01-26W	Chemical	Oceanic HW443v2	800 kg	Ross FPSO Bleo Holm	Leak from subsea hydraulic supply line.
UKCS/1232	01/02/2013	60-52N: 03-08W	Oil	Hydraulic	0.0009 tonnes	West Phoenix	ROV hose leak.
UKCS/1233	01/02/2013	53-53N: 00-26E	Chemical	Aqualink 300-F v2	8 kg	York Production	Leaking control line on emergency shut down valve.
UKCS/1234	09/02/2013	60-26N: 04-03W	Oil	Hydraulic	0.000216 tonnes	Skandi Seven	Release from pin-hole in hydraulic hose.
UKCS/1235	12/02/2013	61-07N: 01-44E	Oil	Other	0.000225 tonnes	Brent D	Drips from a punctured drum.
UKCS/1236	12/02/2013	53-57N: 01-13E	Oil	Other	0.05 tonnes	Ensco 100	Engine exhaust sprayed oil on start-up.
UKCS/1241	12/02/2013	58-17N: 00-12E	Chemical	Oceanic HW540E	125 kg	Scott JD	Hydraulic fluid leak from subsea umbilical line.
UKCS/1237	12/02/2013	53-57N: 01-13E	Chemical	Carbo-Sea	1 kg	Ensco 100	Mud drip seen on open grating.
UKCS/1238	13/02/2013	61-05N: 01-43E	Oil	Crude	0.00044 tonnes	Brent C	Seal leak on crude oil cooler plate.
UKCS/1239	13/02/2013	56-23N: 02-15E	Chemical	Methanol	25 kg	Janice A FPU	Release during subsea repair work.
UKCS/1240	14/02/2013	61-15N: 01-25E	Chemical	Stack Magic Eco-F	0.01 kg	GSF Arctic III	Loose hose on slip joint packer.
UKCS/1242	15/02/2013	58-26N: 00-15W	Oil	Diesel	0.00001 tonnes	Claymore A	Diesel bunkering hose.
UKCS/1249	15/02/2013	61-15N: 01-25E	Oil	Diesel	0.01 tonnes	GSF Arctic III	Pinhole leak to bunkering hose.
UKCS/1243	15/02/2013	57-27N: 01-23E	Oil	Diesel	0.00041 tonnes	Montrose A	Bunkering hose failure.
UKCS/1244	16/02/2013	57-44N: 00-54E	Oil	Diesel	0.007 tonnes	Forties FB	Blockage in the diesel line.
UKCS/1245	16/02/2013	53-27N: 01-43E	Oil	Waste	0.0004 tonnes	Clipper PT	Malfunction of drain box.
UKCS/1251	17/02/2013	61-02N: 01-42E	Oil	Rimula Engine Oil	0.00002 tonnes	Brent A	Failure of crane chain case seal.
UKCS/1246	18/02/2013	58-17N: 00-12E	Chemical	(a) Ammonium bisulphite	3,009 kg	Scott W. Water Injection Manifold	Leak on flow line.
UKCS/1247	18/02/2013	53-31N: 01-47E	Oil	Other	0.0005 tonnes	Galleon PG	Well annuli bled into vent system.
UKCS/1248	19/02/2013	56-33N: 02-30E	Oil	Crude	0.09 tonnes	GSF Galaxy II	Release from flare.
UKCS/1250	19/02/2013	56-50N: 01-35E	Chemical	Versaclean OBM	3.88 kg	Ocean Guardian	Slip joint packer de-energised.
UKCS/1252	22/02/2013	58-21N: 00-51E	Oil	Crude	0.00065 tonnes	Donan FPSO Global Producer	Damage to flowline resulted in loss of containment.
UKCS/1253	22/02/2013	56-26N: 02-32E	Oil	Crude	0.00005 tonnes	WilPhoenix	Drop out during flaring from port flare boom.
UKCS/1254	23/02/2013	56-58N: 01-52E	Oil	EDC 99 DW Base Oil	0.0081 tonnes	Rowan Gorilla V	Leaking connection on line to trip tank.
UKCS/1255	24/02/2013	57-45N: 01-48E	Oil	Diesel	0.00003 tonnes	Everest North	Residual diesel from failure of isolated line.

UKCS/1256	24/02/2013	61-14N: 01-22E	Chemical	Castrol Transaqua HT2	14.7 kg	GSF Arctic III	ROV damaged umbilical.
UKCS/1257	25/02/2013	58-24N: 00-34W	Oil	Crude	0.007 tonnes	Athena FPSO (BW Athena)	Internal leak in crude oil cooler.
UKCS/1258	25/02/2013	59-16N: 01-30E	Chemical	Erifon 818	15 kg	Harding	Failure of conductor tensioner seal assembly.
UKCS/1259	25/02/2013	00-44N: 61-15E	Chemical	XC85293	2.55 kg	Hudson	Loose fitting on chemical injection line.
UKCS/1260	25/02/2013	61-15N: 00-44E	Chemical	XC85293	5.09 kg	Hudson	Loose fitting on subsea chemical injection line.
UKCS/1270	25/02/2013	57-37N: 01-38E	Chemical	Aqua-Glycol 24F	848 kg	Voyageur Spirit	Release during failure of pressure test.
UKCS/1261	26/02/2013	57-45N: 01-48E	Oil	Hydraulic	0.0005 tonnes	Everest North	Damage to hose on ROV.
UKCS/1262	27/02/2013	53-36N: 00-43E	Oil	Hydraulic	0.079 tonnes	Amethyst A1D	Failure of hydraulic accumulator bursting disc.
UKCS/1263	27/02/2013	59-16N: 01-30E	Oil	Castrol Alphasyn T 46	0.015 tonnes	Harding	Damaged drain line fitting on thrust bearing housing.
UKCS/1264	27/02/2013	57-19N: 00-57E	Chemical	Methanol	1 kg	Gannet D Subsea Completion	TSCJ disconnected from poppet parking plate
UKCS/1289	28/02/2013	58-18N: 01-42W	Chemical	Oceanic HW540 v2	7,673 kg	Captain WPP'A'	Mechanical fitting on subsea annulus master valve.
UKCS/1265	01/03/2013	59-16N: 01-30E	Chemical	Erifon 818	22.5 kg	Harding	Failure of conductor tensioner seal assembly.
UKCS/1266	01/03/2013	57-11N: 01-00E	Oil	Diesel	0.1 tonnes	Gannet A	Human error during bunkering operation.
UKCS/1271	02/03/2013	60-48N: 01-27E	Chemical	TEG	1443 kg	Ninian Southern	Release from flange on heating medium
UKCS/1272	02/03/2013	60-48N: 01-27E	Chemical	CRW-85733	9.4 kg	Ninian Southern	Release from flange on heating medium system.
UKCS/1267	03/03/2013	58-18N: 01-44W	Oil	Hydraulic	0.115201 tonnes	Captain FPSO	Failure of bow thruster on FPSO.
UKCS/1268	03/03/2013	57-54N: 00-01E	Chemical	Aqualink 300-F v2	1,716.78 kg	Buchan A	In-service failure of 1" 90 degree elbow.
UKCS/1269	04/03/2013	58-52N: 01-31E	Chemical	Oceanic HW 443	456.5 kg	Brae East	Release from subsea hydraulic valve.
UKCS/1273	04/03/2013	57-19N: 01-04E	Oil	Hydraulic	0.010741 tonnes	Gannet D Subsea Completion	Sheen of unknown origin reported by DSV.
UKCS/1274	05/03/2013	61-29N: 01-27E	Chemical	Castrol Transaqua	100 kg	Don SW&W Don N. Producer	Double block and bleed isolation on subsea system.
UKCS/1275	05/03/2013	58-02N: 00-06E	Chemical	DF1 Base Oil	200 kg	Transocean Prospect	Temporary seal failure on slip joint packer.
UKCS/1276	05/03/2013	58-21N: 00-51E	Chemical	Castrol Transaqua	1,100 kg	Donan FPSO Global Producer	Subsea hydraulic release.
UKCS/1278	05/03/2013	61-37N: 01-18E	Oil	Lubrication	0.000119 tonnes	Magnus	Overflow into storm drain due to blockage.
UKCS/1277	06/03/2013	58-18N: 01-44W	Oil	Crude	0.00056 tonnes	Captain FPSO	Deck washing led to release through scupper.
UKCS/1279	08/03/2013	58-26N: 00-15W	Oil	Crude	0.2 tonnes	Claymore A	Flare carry over.
UKCS/1280	08/03/2013	58-17N: 00-12E	Chemical	Oceanic HW540e	1,153 kg	Scott Subsea Structure C	Wing valve on water injection well.
UKCS/1281	11/03/2013	60-21N: 04-03W	Oil	Hydraulic	0.0001 tonnes	Subsea Viking DSV	Fault in ROV hot stab.
UKCS/1282	11/03/2013	56-11N: 02-45E	Chemical	Versaclean OBM	525 kg	Ocean Princess	Slipjoint packer failure.
UKCS/1283	11/03/2013	58-02N: 01-08E	Chemical	TEG	*	Britannia BLP	*

UKCS/1284	11/03/2013	59-16N: 01-30E	Chemical	Erifon 818	12.5 kg	Harding	Failure of conductor tensioner seal assembly.
UKCS/1285	14/03/2013	61-29N: 01-27E	Chemical	Castrol Transaqua	40,946.94kg	Don SW&W Don N. Producer	Leaking fitting on West Don PO3 wing valve.
UKCS/1286	15/03/2013	56-29N: 02-09E	Oil	Waste	0.00345 tonnes	Fulmar A	Overflow of hazardous drains tank.
UKCS/1287	16/03/2013	61-16N: 00-55E	Oil	Lubrication	0.01 tonnes	Tern	Oil leak from poorly fitted blanking flange.
UKCS/1288	17/03/2013	58-18N: 01-44W	Oil	Mineral	0.000003 tonnes	Captain FPSO	Mixture pooling in the aft poop deck area.
UKCS/1290	21/03/2013	60-21N: 04-03W	Oil	Hydraulic	0.000043 tonnes	Schiehallion Subsea Clusters	Loose fitting on medium torque tool
UKCS/1291	21/03/2013	56-55N: 02-14E	Oil	Diesel	0.01 tonnes	Olympic Orion	Flange failure on supply vessel.
UKCS/1292	22/03/2013	53-35N: 02-41E	Chemical	VCM	17 kg	Swift 10	OBM sprayed from casing into wind.
UKCS/1293	22/03/2013	61-16N: 00-55E	Chemical	Pelagic 100 (H)	791 kg	Hudson Manifold	Failure of Subsea Control Module.
UKCS/1294	22/03/2013	57-04N: 02-06E	Chemical	Sodium bromide	660 kg	Byford Dolphin	Failure of valve seal on diverter.
UKCS/1295	24/03/2013	57-43N: 00-58E	Oil	Diesel	0.05 tonnes	Forties FA	Release during bunkering operation.
UKCS/1296	25/03/2013	60-20N: 04-02W	Oil	Hydraulic	0.001 tonnes	Subsea Viking DSV	Failed seal on ROV hydraulic oil water filter.
UKCS/1297	25/03/2013	57-17N: 01-39E	Oil	Lubrication	0.000088 tonnes	Marnock ETAP QU	Release to sea via atmospheric vent.
UKCS/1298	28/03/2013	57-37N: 01-38E	Oil	Crude	0.2 tonnes	Huntington Subsea template	Leak from xmas tree chemical stab plate.
UKCS/1299	29/03/2013	53-27N: 01-43E	Oil	Hydraulic	0.0012 tonnes	Clipper PW	Failed pressure relief plug on upper master gate.
UKCS/1300	29/03/2013	58-58N: 01-28E	Chemical	Oceanic HW 443	107 kg	Braemar Subsea Completion	Leaking AMV valve on subsea system.
UKCS/1301	30/03/2013	58-06N: 01-26W	Chemical	Oceanic HW 443	1,100 kg	Ross FPSO Bleo Holm	Faulty DCV valves.
UKCS/1309	30/03/2013	53-57N: 01-13E	Chemical	Flow-Carb Series	18,290 kg	EnSCO 100	Excess venting during bulk powder transfer.
UKCS/1302	01/04/2013	60-51N: 01-28E	Oil	Other	0.19 tonnes	Ninian Central	Release of oil during deluge testing.
UKCS/1303	03/04/2013	60-51N: 01-28E	Chemical	Oceanic HW540 v2	198 kg	Ninian Central	Release of fluid from control unit for subsea wells.
UKCS/1304	03/04/2013	57-11N: 01-00E	Oil	Crude	0.0009 tonnes	Gannet A	Pump drain line.
UKCS/1311	03/04/2013	53-50N: 03-34W	Oil	Other	0.005 tonnes	Morecambe South CPP1	Failed pipe joint at hydraulic accumulators.
UKCS/1305	04/04/2013	58-02N: 00-06E	Chemical	Stack-Magic/MEG	2,872 kg	Transocean Prospect	Failure of subsea hydraulic fitting.
UKCS/1306	05/04/2013	61-15N: 01-22E	Oil	Crude	0.0168 tonnes	GSF Arctic III	Foaming in Well Test Surge Tank.
UKCS/1307	05/04/2013	61-15N: 01-22E	Oil	Crude	0.234 tonnes	GSF Arctic III	Flare drop-out during well test operations.
UKCS/1308	05/04/2013	61-05N: 01-43E	Oil	Waste	0.00781 tonnes	Brent C	Overflow of from fire pump module drain.
UKCS/1310	06/04/2013	57-22N: 01-59E	Oil	Hydraulic	0.4365 tonnes	Mungo Production Manifold	Isolation valve struck mast column.
UKCS/1313	07/04/2013	58-22N: 00-52E	Oil	Hydraulic	0.00006 tonnes	DSV Polaris over the Balloch P17	Failure of ferrule on hydraulic hose.
UKCS/1312	08/04/2013	58-17N: 00-12E	Chemical	Oceanic HW540 E	1,452 kg	Scott JD	Loss of from water Injection manifold wing valve.

UKCS/1314	10/04/2013	60-51N: 01-28E	Chemical	Oceanic HW540 v2	120 kg	Strathspey Manifold	Release from subsea control fluid system.
UKCS/1315	11/04/2013	53-50N: 00-26W	Oil	Diesel	0.000005 tonnes	Rough CD	Diesel hose isolation valve passing.
UKCS/1316	12/04/2013	61-31N: 01-39E	Chemical	Castrol Brayco SV3	1.832 kg	Penguins Subsea tie back	Subsea release due to valve failure.
UKCS/1317	12/04/2013	61-31N: 01-39E	Chemical	Castrol Brayco SV/3	12.22 kg	Penguins Subsea Tie Back	Hydraulic fluid leak from valve failure.
UKCS/1318	12/04/2013	57-17N: 01-39E	Oil	Lubrication	0.000022 tonnes	Marnock ETAP PDR	Failure of oil circulation pipework.
UKCS/1319	13/04/2013	58-02N: 01-24E	Chemical	RX-5227& RX-9022	11.66 kg	Andrew	Treated pot water backflowed out of caisson.
UKCS/1320	13/04/2013	60-52N: 03-08W	Chemical	Pelagic 50& Glycol V2	48.98 kg	West Phoenix	Stuck shuttle valve on BOP.
UKCS/1321	16/04/2013	57-15N: 00-48E	Chemical	Castrol Brayco SV3	157.96 kg	Guillemot, Teal FPSO Anasuria	Subsea release during replacement of umbilical.
UKCS/1322	16/04/2013	58-27N: 00-15E	Oil	Lubrication	18.942 tonnes	Piper B	Firepump gearbox.
UKCS/1323	17/04/2013	57-43N: 00-58E	Oil	Unknown	0.000003 tonnes	Forties FA	Unknown source.
UKCS/1324	17/04/2013	53-03N: 02-14E	Oil	Hydraulic	0.02 tonnes	Leman AP [PERENCO]	Line failure due to it being made up incorrectly.
UKCS/1325	17/04/2013	57-22N: 01-50E	Oil	Unknown	0.05 tonnes	Elgin WHP A	Disturbance of drill cuttings.
UKCS/1326	18/04/2013	58-17N: 00-12E	Chemical	(b) Biotreat 7407	568.003 kg	Scott Subsea Structure A	Leaking flange on water injection manifold.
UKCS/1327	19/04/2013	53-49N: 00-28E	Oil	Condensate	0.000039 tonnes	Rough AD	Release of condensate from vent stack.
UKCS/1328	20/04/2013	57-39N: 01-08E	Oil	Diesel	0.001 tonnes	Nelson	Faulty coupling in bunkering hose.
UKCS/1329	20/04/2013	61-01N: 01-07E	Chemical	Stack-Magic ECO-F	33 kg	Transocean John Shaw	'O' Ring on the yellow pod annular failed.
UKCS/1330	20/04/2013	58-17N: 00-12E	Chemical	Oceanic HW540E	190.8 kg	West Water Injection Manifold	Subsea hydraulic hose damaged by diver.
UKCS/1331	21/04/2013	60-52N: 03-08W	Oil	Hydraulic	0.105 tonnes	West Phoenix	Structural fail to hydraulic hose.
UKCS/1332	22/04/2013	53-34N: 02-52E	Oil	Hydraulic	0.0002 tonnes	Carrack QA	Seal failure on crane.
UKCS/1333	23/04/2013	61-21N: 01-09E	Oil	Crude	0.00012 tonnes	Eider	Flushing of line to clear blockage.
UKCS/1334	23/04/2013	61-37N: 01-18E	Oil	Lubrication	0.0075 tonnes	Magnus	Failure of oil cooler tube.
UKCS/1335	23/04/2013	58-17N: 00-12E	Oil	Crude	0.00032 tonnes	Scott JD	Crude leak from pump recovery seal.
UKCS/1336	24/04/2013	60-18N: 04-16W	Chemical	Oceanic HW540 v2	923.5 kg	Foinaven - FPSO Petrojarl	Vent valve / solenoid valve failed to seat properly.
UKCS/1337	25/04/2013	53-53N: 00-26E	Chemical	Sodium chloride brine	12,972 kg	MSV NSO Spirit	Supply vessel reversed over bunkering hose.
UKCS/1338	25/04/2013	53-06N: 02-04E	Vegetable	Rapeseed oil	0.0002 tonnes	Leman Foxtrot	Misaligned valve on B annulus.
UKCS/1339	25/04/2013	58-24N: 00-34W	Oil	Hydraulic	0.0004 tonnes	Athena FPSO (BW Athena)	Defective pipe.
UKCS/1340	25/04/2013	61-21N: 01-34E	Oil	Waste	0.042 tonnes	Thistle A	Failure of pipe-work to skimmed oil tank.
UKCS/1341	26/04/2013	58-02N: 01-24E	Oil	Mineral	0.0002 tonnes	Andrew	Residual oil from flare drum seal system.
UKCS/1348	26/04/2013	59-40N: 01-34E	Chemical	Oceanic HW443ND	896 kg	Bruce WAD (Western Area)	Release subsea at control module.

UKCS/1342	27/04/2013	57-17N: 01-39E	Oil	Produced water	0.005 tonnes	Marnock ETAP PDR	Failure of produced water plate cooler.
UKCS/1343	28/04/2013	60-51N: 01-28E	Chemical	Oceanic HW540 v2	1,000 kg	Strathspey Manifold	Release from subsea control system.
UKCS/1344	28/04/2013	61-14N: 01-22E	Oil	Crude	0.0027 tonnes	Fionn (P2) Tree	Pipeline leak test.
UKCS/1345	28/04/2013	61-29N: 01-25e	Chemical	Base oil	12,600.25 kg	Don SW&W Don N.Producer	Xmas tree leak.
UKCS/1349	28/04/2013	60-37N: 01-39E	Chemical	Oceanic HW 443	1.651 kg	Jura WHPS 2	Leak when operating Xmas tree valve.
UKCS/1346	29/04/2013	54-02N: 00-43E	Oil	Lubrication	0.022 tonnes	Cleeton CPQ	Trip of air compressor resulted in loss of oil.
UKCS/1347	29/04/2013	61-15N: 00-42E	Chemical	Pelagic 100	500 kg	Hudson	Valve operated incorrectly.
UKCS/1357	02/05/2013	58-11N: 00-36W	Oil	Shell Tellus 32	0.001 tonnes	Skandi Carla (Golden Eagle))	Hydraulic failure in ROV.
UKCS/1358	02/05/2013	58-11N: 00-36W	Oil	Shell Tellus 32	0.0005 tonnes	Skandi Carla (Golden Eagle)	Hydraulic failure in ROV.
UKCS/1350	03/05/2013	53-27N: 01-43E	Oil	Condensate	0.0005 tonnes	Clipper PT	Drip from vent line on Oily Water Flash drum.
UKCS/1351	04/05/2013	60-21N: 04-03W	Oil	Hydraulic	0.00186 tonnes	Skandi-7	Hydraulic leak from ROV.
UKCS/1352	04/05/2013	58-02N: 01-08E	Chemical	TEG & EC1389B	461 kg	Britannia BLP	Hydraulic shock in heating medium.
UKCS/1367	06/05/2013	53-48N: 02-50E	Oil	Other	1 tonne	Stamford WHPS	Seal failure resulting in release.
UKCS/1353	06/05/2013	53-14N: 02-17E	Oil	Hydraulic	0.000001 tonnes	Europa EZ Satellite	Hydraulic release from returns on instrument tubing.
UKCS/1354	07/05/2013	60-21N: 04-03W	Oil	Hydraulic	0.0025 tonnes	Skandi-7	Failure of rear thrusters hose.
UKCS/1355	07/05/2013	60-21N: 04-03W	Oil	Hydraulic	0.0015 tonnes	Skandi-7	Failure of rear thrusters hose.
UKCS/1356	07/05/2013	56-41N: 02-14E	Oil	Hydraulic	0.0822 tonnes	Joanne Manifold	Hydraulic jumper lead.
UKCS/1359	10/05/2013	61-03N: 01-42E	Oil	Waste	0.0004 tonnes	Brent B	Maintenance on a drain seal pot.
UKCS/1360	10/05/2013	60-57N: 00-56E	Oil	Crude	0.001 tonnes	Heather A	Small hole on oil return line.
UKCS/1361	11/05/2013	61-03N: 01-42E	Oil	Diesel	*	Brent B	*
UKCS/1362	11/05/2013	60-48N: 01-27E	Oil	Hydraulic	0.003 tonnes	Ninian Southern	Release during equipment maintenance.
UKCS/1363	11/05/2013	61-14N: 01-08E	Oil	Diesel	0.00885 tonnes	Cormorant North	Split in hard piped section of bunkering system.
UKCS/1364	12/05/2013	53-22N: 01-39E	Oil	Condensate	0.135 tonnes	Anglia "A" Installation	Stem seal on a shut in well failed.
UKCS/1365	12/05/2013	59-16N: 01-30E	Chemical	Versaclean OBM	0.458 kg	Harding	OBM u-tubed up open ended drillpipe.
UKCS/1366	12/05/2013	61-03N: 01-42E	Oil	Diesel	0.00004 tonnes	Brent B	Thread fitting not fully tight.
UKCS/1371	14/05/2013	56-44N: 01-17W	Oil	Mixed Lubricants	0.001 tonnes	Curlew FPSO	Deck washing causing release to sea.
UKCS/1368	15/05/2013	53-32N: 03-34W	Oil	Produced Water	0.000001 tonnes	Douglas DD	Pin hole leak in a failed weld on flow orifice.
UKCS/1369	16/05/2013	58-06N: 01-26W	Chemical	Methanol	0.89 kg	Ross FPSO Bleo Holm	Methanol release from subsea systems.
UKCS/1370	16/05/2013	53-42N: 01-09E	Oil	Hydraulic	0.003 tonnes	West Sole WA Main	Overflow of hydraulic tank.

UKCS/1379	16/05/2013	57-54N: 00-36W	Chemical	Ammonium bisulphite	0.01 kg	Ettrick FPSO Aoka Mizu	Leaking valve on water injection line.
UKCS/1372	17/05/2013	54-21N: 01-24E	Chemical	KCL polymer mud	1,915 kg	EnSCO 92	Overflow of mud to skimmer tank.
UKCS/1373	18/05/2013	53-50N: 00-26W	Oil	Hydraulic	0.000218 tonnes	Rough BD	Release of oily fluids from installation crane.
UKCS/1374	18/05/2013	58-13N: 01-06E	Oil	Crude	0.580216 tonnes	Balmoral FPV	Oil leak from subsea flowline.
UKCS/1375	19/05/2013	54-02N: 00-43E	Oil	Diesel	0.000088 tonnes	Cleeton CPQ	Spill when draining water from diesel tank.
UKCS/1376	19/05/2013	56-43N: 02-12E	Oil	Diesel	0.000038 tonnes	Jasmine	Small release during construction phase.
UKCS/1390	20/05/2013	58-44N: 01-18E	Chemical	Oceanic HW443ND	2,304 kg	Brae A	Solenoid valve on HPU.
UKCS/1377	21/05/2013	61-19N: 01-32E	Oil	Crude	0.4375 tonnes	Osprey Production Manifold	Release when replacing flexible pipeline.
UKCS/1378	21/05/2013	60-52N: 03-08W	Oil	Hydraulic	0.0009 tonnes	West Phoenix	Damage to ROV wrist leading to small release.
UKCS/1380	21/05/2013	56-23N: 02-15E	Oil	Diesel	0.01 tonnes	Janice A FPU	Small loss of diesel due to seal failure.
UKCS/1381	21/05/2013	57-05N: 00-57E	Oil	Hydraulic	0.000086 tonnes	Seven Atlantic	Hydraulic release from hydratight nut splitter tool.
UKCS/1382	24/05/2013	57-54N: 00-01E	Oil	Martin Decker Fluid	0.0005 tonnes	Buchan A	Load cell signal hose split.
UKCS/1383	24/05/2013	53-31N: 01-47E	Oil	Hydraulic	0.1 tonnes	Galleon PG	Failure of hydraulic fitting.
UKCS/1384	25/05/2013	57-17N: 01-39E	Oil	Other	0.04 tonnes	Marnock ETAP PDR	Produced water leak due to seal failure.
UKCS/1385	25/05/2013	57-45N: 01-48E	Oil	Lubrication	0.00064 tonnes	Everest North	Failure of fitting on lube oil system.
UKCS/1386	26/05/2013	59-21N: 01-34E	Chemical	MEG & RX-9103N	2,607 kg	Gryphon A Production Vessel	Release due to corrosion under Insulation.
UKCS/1387	27/05/2013	56-41N: 02-20E	Oil	Diesel	0.00088 tonnes	Judy	Seep from dry break coupling on bunkering hose.
UKCS/1388	27/05/2013	54-15N: 02-44W	Chemical	Oceanic HW443ND	426 kg	Minke Subsea Wellhead	Faulty SCM.
UKCS/1389	27/05/2013	58-18N: 01-46W	Oil	Diesel	0.016 tonnes	Captain WPP'A'	Diesel spilled from well overflowing tubing.
UKCS/1391	28/05/2013	54-16N: 02-19E	Chemical	Aqualink 300-E v2	500 kg	Murdoch	Subsea umbilical line.
UKCS/1392	29/05/2013	58-18N: 01-46W	Oil	Crude	0.002 tonnes	Captain WPP'A'	Failure of drain line on separated oil pump.
UKCS/1393	29/05/2013	53-53N: 03-37W	Oil	Lubrication	0.0005 tonnes	Morecambe South DP8	Leak from bleeding plug.
UKCS/1395	30/05/2013	58-27N: 00-15E	Chemical	Sodium hypochlorite	0.058 kg	Piper B	Pinhole leak in cooling water pipework.
UKCS/1394	31/05/2013	61-05N: 01-43E	Chemical	Biolube	0.02 kg	Brent C	Minor overflow from conductor tubing.
UKCS/1396	31/05/2013	57-11N: 01-00E	Oil	Waste	0.001 tonnes	Gannet A	IGFU vessel bund (drain blocked).
UKCS/1397	31/05/2013	61-03N: 01-42E	Chemical	(c) Emi-2224	162.169 kg	Brent B	Swarf blockage.
UKCS/1399	31/05/2013	57-45N: 01-48E	Oil	Unknown	0.01389 tonnes	Everest North	Under investigation at time of reporting.
UKCS/1410	01/06/2013	58-41N: 01-16E	Oil	Crude	0.1447 tonnes	Brae A	Plate heat exchanger failure in a crude cooler.
UKCS/1400	01/06/2013	58-17N: 00-12E	Chemical	(d) Biotreat 7407	0.341 kg	Scott JU	Leak from valve flanges on water injection pipework.

UKCS/1401	02/06/2013	58-17N: 00-12E	Chemical	(e) Biotreat 7407	1,371.589 kg	Scott JU	Treated seawater leak.
UKCS/1402	03/06/2013	61-03N: 01-42E	Oil	Lubrication	0.008604 tonnes	Brent B	Drip from back-up diesel turbine flame arrestor cap.
UKCS/1403	03/06/2013	60-37N: 01-39E	Oil	Waste	0.00015 tonnes	Dunbar	Minor release during cleaning-up operation.
UKCS/1464	03/06/2013	53-11N: 02-51E	Oil	Condensate	0.000001 tonnes	Sean PP	Drip from a rust scab.
UKCS/1404	04/06/2013	60-38N: 02-33W	Oil	Other	0.041 tonnes	Paul B Lloyd Jnr	Flare drop out during well test operations.
UKCS/1405	04/06/2013	56-29N: 02-09E	Oil	Waste	0.057 tonnes	Fulmar A	Oily water washed overboard due to deluge release.
UKCS/1406	05/06/2013	58-17N: 00-12E	Chemical	Oceanic HW540 E	359 kg	Scott Subsea Structure C	Subsea valve stuck open due to faulty solenoid.
UKCS/1407	05/06/2013	57-48N: 00-58W	Oil	Crude	0.0519 tonnes	Buzzard Production	Overflow of Hazardous Open Drains Coalescer.
UKCS/1409	05/06/2013	53-23N: 02-00E	Chemical	Methanol	200 kg	Vanguard	Leak in subsea methanol line.
UKCS/1408	06/06/2013	60-38N: 02-33W	Oil	Crude	0.00035 tonnes	Paul B Lloyd Jnr	Batch flaring operations fall-out.
UKCS/1411	07/06/2013	57-39N: 01-08E	Chemical	(f) M-I Bar (All grades)	225 kg	Nelson	Loss of primary containment following power loss.
UKCS/1412	08/06/2013	59-32N: 01-32E	Oil	Lubrication	0.047 tonnes	Beryl A	Failure of oil tank high level pump switch.
UKCS/1417	08/06/2013	57-04N: 00-53E	Chemical	TEG & CRW85733	264.1 kg	Guillemot West(Triton) FPSO	Bursting disks ruptured.
UKCS/1413	08/06/2013	57-54N: 00-36W	Oil	Waste	0.002 tonnes	Ettrick FPSO Aoka Mizu	Drains overfilling following accidental deluge.
UKCS/1414	09/06/2013	57-54N: 00-01E	Oil	Lubrication	0.000006 tonnes	Buchan A	Crane gearbox drain branch sheared.
UKCS/1415	09/06/2013	60-51N: 04-09W	Chemical	Fluorodye UC	0.05 kg	Stena Carron	Release of waste chemical from transit container.
UKCS/1416	10/06/2013	58-01N: 01-06E	Chemical	DF1 Base Oil	82.6 kg	GSF Arctic III	Release from b annulus on well through c annulus.
UKCS/1418	11/06/2013	53-41N: 03-32W	Chemical	Oceanic HW540 E	2,183.2 kg	Douglas FPSO OSB	PLEM valve failure.
UKCS/1419	12/06/2013	61-07N: 01-44E	Oil	Diesel	0.00135 tonnes	Brent D	Weep from fuel filter on fire pump.
UKCS/1420	12/06/2013	56-43N: 01-18E	Chemical	Unknown	0.1 kg	Curlew FPSO	Release of unknown substance from deck.
UKCS/1421	12/06/2013	61-10N: 01-05E	Oil	Unknown	0.0005 tonnes	Cormorant UMC	Mid-line tee release.
UKCS/1422	14/06/2013	57-11N: 00-44E	Chemical	Cortron CK929-G	0.6 kg	Guillemot West DC6	Loose fitting on subsea corrosion inhibitor line.
UKCS/1424	15/06/2013	53-32N: 03-34W	Oil	Other	0.000001 tonnes	Douglas DD	Produced Water released through instrument valve.
UKCS/1423	16/05/2013	57-54N: 00-36W	Oil	Crude	0.000013 tonnes	Ettrick FPSO Aoka Mizu	Leaking valve on water injection line.
UKCS/1425	16/06/2013	60-51N: 04-09W	Oil	Enviro-Rite AW 46	0.0005 tonnes	Stena Carron	Hydraulic fluid from ROV.
UKCS/1426	16/06/2013	57-08N: 00-49E	Chemical	Methanol	2,534 kg	Guillemot West DC2 Manifold	Open end on core in control umbilical.
UKCS/1427	17/06/2013	57-17N: 01-39E	Oil	Hydraulic	0.000738 tonnes	Marnock ETAP PDR	Release from fitting on top of hydraulic panel.
UKCS/1428	18/06/2013	58-17N: 00-12E	Oil	Waste	0.0147 tonnes	Scott JD	Corroded closed drains pipework.
UKCS/1822	19/06/2013	61-16N: 00-55E	Chemical	Pelagic 100	205 kg	Hudson Manifold	Suspected subsea leak.

UKCS/1429	21/06/2013	60-31N: 01-56E	Oil	Lubrication	0.0045 tonnes	Sedco 714	Loss of oil into crane engine compartment.
UKCS/1430	21/06/2013	61-28N: 01-32E	Oil	Hydraulic	0.001044 tonnes	Ocean Princess	Corroded hydraulic oil cap on ROV leaked.
UKCS/1431	23/06/2013	60-44N: 02-29W	Chemical	Stack-Magic ECO-F	2.27 kg	Paul B Lloyd Jnr	Release from loose hose on BOP.
UKCS/1432	24/06/2013	57-11N: 00-59E	Oil	Diesel	0.086 tonnes	Gannet A	Overflow of settling tank.
UKCS/1433	25/06/2013	61-16N: 00-55E	Oil	Diesel	0.865 tonnes	Tern	Overflow from storage tank breather line.
UKCS/1434	25/06/2013	58-13N: 01-06E	Chemical	Pelagic 100	562 kg	Balmoral FPV	Subsea control module leak.
UKCS/1435	25/06/2013	58-17N: 00-12E	Chemical	Pelagic 100 (H)	1 kg	Scott JD	Leak on pressurised hydraulic supply Jumper.
UKCS/1436	26/06/2013	57-58N: 00-28E	Chemical	Stack-Magic&MEG	24.7 kg	Transocean Prospect	Seal failure on diverter.
UKCS/1438	26/06/2013	53-57N: 00-35E	Chemical	Methanol	1,800 kg	Apollo Subsea Manifold	Leak on umbilical core.
UKCS/1450	26/06/2013	57-54N: 00-35W	Oil	Crude	0.001215 tonnes	Ettrick FPSO Aoka Mizu	Leak on minimum flow valve.
UKCS/1453	26/06/2013	57-54N: 00-35W	Chemical	Ammonium bisulphite	0.497 kg	Ettrick FPSO Aoka Mizu	Leak on minimum flow valve.
UKCS/1437	27/06/2013	61-28N: 01-33E	Oil	Hydraulic	0.0142 tonnes	Ocean Princess	Release of hydraulic oil from ROV.
UKCS/1439	28/06/2013	60-48N: 01-44E	Chemical	Aquashield	0.038 kg	Alwyn North NAA	Chemical drum dropped through deck.
UKCS/1440	28/06/2013	58-25N: 00-20E	Oil	Diesel	0.002 tonnes	Saltire A	Pinhole leak in diesel ringmain system.
UKCS/1441	29/06/2013	59-16N: 01-30E	Oil	Hyspin AWH-M 32	0.075 tonnes	Harding	Bolt sheared on drill racker system.
UKCS/1442	29/06/2013	53-01N: 01-47E	Oil	Hydraulic	0.1 tonnes	Hewett 48/29A-FTP	Failure of gate valve on topside hydraulic system.
UKCS/1443	29/06/2013	57-48N: 00-58W	Oil	Waste	0.43 tonnes	Buzzard Wellhead	Overflow of tank with oily water.
UKCS/1444	30/06/2013	61-31N: 01-39E	Oil	Hydraulic	0.001 tonnes	Brent C	Subsea release on disconnection of jumper lead.
UKCS/1445	30/06/2013	52-59N: 01-50E	Oil	Hydraulic	0.07 tonnes	Hewett 52/5 A	Failure of topside hydraulic valve body.
UKCS/1446	30/06/2013	57-45N: 01-48E	Oil	Hydraulic	0.00078 tonnes	Everest North	Weep from winch brake on north crane.
UKCS/1452	30/06/2013	57-04N: 02-05E	Chemical	MEG	16.73 kg	Well Enhancer	Release from Subsea Intervention Lubricator.
UKCS/1824	30/06/2013	57-05N: 00-53E	Chemical	Rando HDZ 15	0.002 kg	Triton	ROV defective hydraulic hose fitting.
UKCS/1447	01/07/2013	53-57N: 00-35E	Chemical	Oceanic HW540 v2	179.2 kg	Minerva	Failure of solenoid operated valve.
UKCS/1448	02/07/2013	58-17N: 00-12E	Chemical	Oceanic HW540E	144 kg	Scott JD	Failed wing valve on subsea well.
UKCS/1449	02/07/2013	59-16N: 01-30E	Chemical	Erifon 818 v2	17.5 kg	Harding	Failure of hydraulic tensioner.
UKCS/1451	02/07/2013	56-27N: 02-17E	Oil	Crude	0.000032 tonnes	Clyde	Release from passing flange on production header.
UKCS/1454	04/07/2013	53-57N: 00-35E	Chemical	Oceanic HW540 v2	136 kg	Minerva	Solenoid operated valve failure.
UKCS/1455	04/07/2013	54-03N: 00-54E	Oil	Hydraulic	0.012 tonnes	Ravenspur North CPP	Accumulator bursting disk failure.
UKCS/1456	04/07/2013	53-53N: 03-37W	Oil	Hydraulic	0.02 tonnes	Morecambe South DP8	Leak from crane cab controls system.

UKCS/1457	05/07/2013	60-41N: 02-32W	Oil	Crude	0.0007 tonnes	Clair Phase 1	Residual oil in removed valve blown to sea.
UKCS/1458	06/07/2013	61-05N: 01-43E	Oil	Diesel	0.001 tonnes	Brent C	Pinhole diesel leak when bunkering.
UKCS/1466	07/07/2013	57-22N: 01-59E	Oil	Other	0.000002 tonnes	Mungo	Drops of grease released during wireline operations.
UKCS/1459	08/07/2013	61-05N: 01-43E	Oil	Diesel	0.00007 tonnes	Brent C	Diesel drip from manifold when bunkering.
UKCS/1460	08/07/2013	53-27N: 01-43E	Oil	Condensate	0.00021 tonnes	Clipper PT	Drains caisson skimming pump failed.
UKCS/1461	09/07/2013	58-26N: 00-15W	Chemical	OSW85797	0.001 kg	Claymore A	Block valve body failure.
UKCS/1462	09/07/2013	53-05N: 02-07E	Oil	Shell S1M 46	0.0001 tonnes	Highland Spirit	Hydraulic hose failure.
UKCS/1463	09/07/2013	53-05N: 02-07E	Oil	Shell S1M 46	0.0001 tonnes	Highland Spirit	Hydraulic hose failure.
UKCS/1472	09/07/2013	58-00N: 01-07E	Chemical	(g) OSW80490	259.49 kg	Alba Northern	Release from seawater injection manifold pipework.
UKCS/1465	12/07/2013	53-18N: 02-34E	Oil	Hydraulic	0.08 tonnes	Inde CD (PERENCO)	From hydraulic oil tank.
UKCS/1829	12/07/2013	57-04N: 00-53E	Chemical	Rando HDZ 15	0.5 kg	Guillemot West	ROV subsea hydraulic leak.
UKCS/1467	15/07/2013	53-05N: 02-32E	Chemical	Aqualink HT804F v2	1,400 kg	Thames AW	Incorrectly fitted pipework.
UKCS/1468	15/07/2013	53-57N: 03-40W	Oil	Hydraulic	0.005 tonnes	Morecambe North	Leak from stem on choke valve.
UKCS/1473	15/07/2013	58-21N: 00-52E	Oil	Hydraulic	0.007606 tonnes	Donan FPSO Global Producer III	Failure of hydraulic line.
UKCS/1469	16/07/2013	61-31N: 01-39E	Chemical	(h) Methanol	3.5 kg	Brent C	Subsea release when removing stab plate.
UKCS/1470	16/07/2013	53-05N: 02-07E	Oil	Hydraulic	0.00001 tonnes	Leman AD1 [SHELL]	Small release from hydraulic hose.
UKCS/1471	16/07/2013	58-17N: 00-21E	Oil	Waste	0.08 tonnes	Scott JD	Discharge from open drains tank.
UKCS/1474	16/07/2013	58-26N: 00-15W	Chemical	Pelagic 100	500 kg	Claymore A	Failure to correctly isolate tote tank.
UKCS/1475	16/07/2013	58-17N: 00-12E	Oil	Crude	0.042 tonnes	Scott JD	Contaminated open drains vessel water outlet.
UKCS/1476	18/07/2013	61-19N: 01-32E	Oil	Crude	0.8925 tonnes	Osprey Production Manifold	Release from flow line.
UKCS/1477	18/07/2013	53-42N: 01-09E	Oil	Hydraulic	0.001 tonnes	West Sole WA Main	Release of hydraulic fluid from vent line.
UKCS/1478	18/07/2013	59-44N: 01-40E	Oil	Hydraulic	0.0005 tonnes	Bruce PUQ	Seeping hydraulic supply to diverter valve.
UKCS/1479	20/07/2013	60-11N: 04-03W	Oil	Hydraulic	0.00025 tonnes	Schiehallion FPSO	Failed hydraulic line.
UKCS/1480	20/07/2013	57-54N: 00-36W	Chemical	Carbo-Sea	1.76 kg	Noble Ton Van Langeveld	Loss of OBM from slip joint.
UKCS/1481	21/07/2013	53-50N: 00-26W	Oil	Hydraulic	0.013515 tonnes	Rough BD	Crane hydraulic unit.
UKCS/1482	22/07/2013	56-26N: 02-00E	Chemical	Methanol/ SCW85649	5,960 kg	Fulmar A	Corrosion in jumper line connections.
UKCS/1483	22/07/2013	58-01N: 01-06E	Chemical	Brine/calcium bromide	3 kg	GSF Arctic III	Small loss of brine from slip joint.
UKCS/1484	23/07/2013	53-03N: 02-17E	Oil	Hydraulic	0.01 tonnes	Leman BD [PERENCO]	Split hydraulic hose on crane.
UKCS/1486	23/07/2013	58-30N: 01-15E	Chemical	TEG	1,772 kg	Tiffany	Ball valve found in open position.

UKCS/1485	24/07/2013	53-03N: 02-14E	Oil	Hydraulic	0.001 tonnes	Leman AD [PERENCO]	Hydraulic oil from firepump.
UKCS/1514	25/07/2013	58-17N: 00-12E	Oil	Crude	0.064 tonnes	Scott JD	Hazardous open drains tank water outlet.
UKCS/1487	26/07/2013	60-21N: 04-03W	Oil	Hydraulic	0.0001 tonnes	Schiehallion FPSO	Hydraulic oil release from FPSO riser.
UKCS/1488	26/07/2013	57-45N: 01-48E	Oil	Hydraulic	0.00048 tonnes	Everest North	Failure of hydraulic fitting on crane.
UKCS/1489	26/07/2013	61-21N: 01-09E	Oil	Crude	0.01 tonnes	Eider	Pump failure led to oil overflowing caisson.
UKCS/1490	27/07/2013	57-13N: 02-12E	Oil	Hydraulic	0.002 tonnes	Maersk Resilient	Loose fitting on hydraulic line on crane.
UKCS/1491	27/07/2013	58-02N: 01-08E	Chemical	Castrol Transaqua	50 kg	Britannia	Production wing valve spring actuator.
UKCS/1494	27/07/2013	59-21N: 01-34E	Chemical	Oceanic HW540 E	3,914.52 kg	Gryphon A Production Vessel	Subsea hydraulic valve sticking open.
UKCS/1498	27/07/2013	61-31N: 01-39E	Chemical	Brayco Micronic SV3	0.9 kg	Brent C	Subsea release when removing stab plate.
UKCS/1492	28/07/2013	57-22N: 01-22E	Oil	Hydraulic	0.05024 tonnes	Rowan Stavanger	Failed seal on pipe racking system.
UKCS/1493	28/07/2013	60-48N: 01-44E	Oil	Diesel	0.000002 tonnes	Alwyn North NAA	Drip from diesel system.
UKCS/1495	30/07/2013	59-32N: 01-32E	Oil	Unknown	0.00038 tonnes	Beryl A	Short duration oil spotting on sea surface.
UKCS/1496	30/07/2013	53-03N: 02-14E	Oil	Hydraulic	0.00005 tonnes	Leman G [PERENCO]	Hydraulic oil from well kill wing valve actuators.
UKCS/1497	02/08/2013	60-48N: 01-26E	Oil	Diesel	0.503 tonnes	Ninian Southern	Leak from supply vessel diesel hose.
UKCS/1499	03/08/2013	57-45N: 01-48E	Oil	Condensate	0.002 tonnes	Everest North	Release whilst vessel drained into tote tank.
UKCS/1500	03/08/2013	58-22N: 00-04E	Oil	Hydraulic	0.0025 tonnes	Tartan A	Crane hydraulic leak.
UKCS/1501	04/08/2013	60-21N: 04-03W	Oil	Hydraulic	0.00195 tonnes	Schiehallion FPSO	Failure of Lynx connector.
UKCS/1502	04/08/2013	58-17N: 00-12E	Oil	Diesel	0.0005 tonnes	Scott JD	Leaking diesel hose coupling.
UKCS/1503	04/08/2013	60-42N: 02-34W	Chemical	Stack-Magic ECO-F	0.174 kg	Paul B Lloyd Jnr	Loss from ROV hose.
UKCS/1504	04/08/2013	60-03N: 03-58W	Chemical	Carbosea OBM	210 kg	WilPhoenix	Kelly hose burst.
UKCS/1505	06/08/2013	58-13N: 01-06E	Chemical	Pelagic 100	609 kg	Balmoral FPV	Release from subsea hydraulic line.
UKCS/1506	06/08/2013	54-16N: 02-19E	Oil	Hydraulic	0.00851 tonnes	Murdoch	Release from nitrogen charge valve.
UKCS/1507	06/08/2013	61-21N: 01-34E	Oil	Crude	0.1008 tonnes	Thistle A	Produced water tank overflowed.
UKCS/1508	07/08/2013	60-21N: 04-03W	Oil	Hydraulic	0.00234 tonnes	Schiehallion FPSO	Failure of hydraulics during disconnection of risers.
UKCS/1512	07/08/2013	56-43N: 01-18E	Chemical	Methanol	13.1 kg	Curlew FPSO	Leak on stab plate.
UKCS/1519	07/08/2013	56-43N: 01-18E	Chemical	Methanol	6.802 kg	Curlew FPSO	Leak on tree jumper.
UKCS/1509	07/08/2013	61-16N: 01-35E	Oil	Crude	2.4 tonnes	Dunlin A	Passing shutdown valve.
UKCS/1510	08/08/2013	58-17N: 00-12E	Chemical	Oceanic HW540E	95.4 kg	Telford West/Marmion Manifold	Diver failed to fully close subsea valve.
UKCS/1511	08/08/2013	57-22N: 01-59E	Oil	Hydraulic	0.00001 tonnes	Mungo NUI	Drips from hydraulic panel unit.

UKCS/1513	09/08/2013	60-21N: 04-03W	Oil	Hydraulic	0.0009 tonnes	Schiehallion FPSO	Hydraulics failure during disconnection of risers.
UKCS/1517	09/08/2013	57-11N: 00-59E	Oil	Unknown	0.0091 tonnes	Gannet A	Undetermined.
UKCS/1667	10/08/2013	54-14N: 02-23E	Chemical	Aqualink 300E VER2	620 kg	Murdoch	Failure of the subsea hose.
UKCS/1614	10/08/2013	61-23N: 01-44E	Chemical	CRW85733	18 kg	Murchison	Release from Waste Heat Recovery Unit.
UKCS/1516	11/08/2013	57-45N: 01-48E	Oil	Lubrication	0.00385 tonnes	Everest North	Failure of compressor lube oil system.
UKCS/1518	12/08/2013	57-04N: 00-53E	Chemical	TEG & CRW85733	48 kg	Guillemot West(Triton) FPSO	Glycol release due to bursting disk failure.
UKCS/1520	12/08/2013	57-17N: 01-39E	Chemical	Oceanic HW 443	1850 kg	Machar Subsea Umbilical	Failure of subsea control module.
UKCS/1521	13/08/2013	60-03N: 03-58W	Chemical	Stack-Magic/MEG	0.30 kg	WilPhoenix	Release of control fluid from BOP seal.
UKCS/1522	14/08/2013	58-26N: 00-15W	Oil	Lubrication	1.81 tonnes	Claymore A	Blocked drains, oil being routed overboard.
UKCS/1523	14/08/2013	61-07N: 01-44E	Oil	Other	0.36 tonnes	Brent D	Corroded mud line failed.
UKCS/1524	15/08/2013	61-05N: 01-43E	Oil	Diesel	0.002 tonnes	Brent C	Loss of diesel during maintenance work.
UKCS/1525	15/08/2013	58-34N: 01-15E	Chemical	Oceanic HW443ND	1,660 kg	Centrica Trees subsea	Relief vent on subsea hydraulic line.
UKCS/1698	15/08/2013	58-27N: 00-15E	Chemical	Pelagic 100	7,059.6 kg	Piper B	Corroded hydraulic line fitting on the valve actuator.
UKCS/1526	15/08/2013	57-43N: 00-54E	Oil	Diesel	0.29 tonnes	Forties FD	Bunkering hose ferrule failed.
UKCS/1527	15/08/2013	57-17N: 02-10E	Oil	Weathered	0.0015 tonnes	Lomond	Small sheen of unknown source.
UKCS/1528	15/08/2013	61-14N: 01-08E	Chemical	Nalcool 2000	13.601 kg	Cormorant North	Coolant leak on drilling generator.
UKCS/1529	15/08/2013	58-46N: 00-15W	Oil	Hydraulic	0.048 tonnes	Claymore A	Water injection pump lube oil cooler failure.
UKCS/1530	16/08/2013	58-17N: 00-12W	Chemical	Sodium hypochlorite	0.001 kg	Scott JD	Release from T piece valve.
UKCS/1531	17/08/2013	53-27N: 01-43E	Oil	Waste	0.00162 tonnes	Clipper PT	Drips from armstrong trap on drains caisson.
UKCS/1532	17/08/2013	56-50N: 02-15E	Oil	Diesel	0.002 tonnes	MSV KL Barentsfjord	Loose fitting during bunkering operation.
UKCS/1533	17/08/2013	54-03N: 00-54E	Oil	Diesel	0.00177 tonnes	Ravenspurn North CPP	Hose fittings on diesel pressure control valve.
UKCS/1534	17/08/2013	60-51N: 01-28E	Chemical	Calcium bromide	89.65 kg	Ninian Central	Brine released following shakers trip.
UKCS/1515	18/08/2013	60-21N: 04-03W	Oil	Hydraulic	0.0008 tonnes	Schiehallion FPSO	Oil lost whilst attempting to disconnect risers.
UKCS/1537	18/08/2013	56-00N: 03-11E	Chemical	(i) Dynared TM	2,025 kg	WillHunter	Loss due to fluids going behind casing.
UKCS/1535	19/08/2013	53-05N: 02-07E	Oil	Hydraulic	0.00004 tonnes	Leman AD1 [SHELL]	Hydraulic fluid weep from well flow wing valve.
UKCS/1541	19/08/2013	61-29N: 01-27E	Chemical	Castrol Transaqua	2,656 kg	Don SW&W Don N. Producer	Subsea hydraulics suspect connection/fitting.
UKCS/1536	20/08/2013	56-27N: 02-17E	Chemical	RX-03X	0.5 kg	Clyde	Release of foam out of open flow-line.
UKCS/1538	20/08/2013	54-35N: 00-26E	Chemical	Base oil	0.07 kg	EnSCO 70	Residual oil in water discharge.
UKCS/1539	21/08/2013	57-17N: 02-10E	Oil	Weathered	0.0005 tonnes	Lomond	Saturated pads seeping onto open grating.

UKCS/1540	22/08/2013	57-02N: 02-04E	Oil	Hydraulic	0.003 tonnes	Erskine	Hydraulic oil hose failure.
UKCS/1542	23/08/2013	56-23N: 02-15E	Oil	Crude	0.00124 tonnes	MSV Siem Stork	Residual oil in pipeline spilled to deck.
UKCS/1567	24/08/2013	60-57N: 00-56E	Oil	Diesel	0.000443 tonnes	Heather A	Pinhole leak on diesel line.
UKCS/1543	24/08/2013	57-17N: 02-10E	Oil	Lubrication	0.0005 tonnes	Lomond	Lube oil leak on "A" generator auxiliary.
UKCS/1544	24/08/2013	57-43N: 00-50E	Oil	Diesel	0.000003 tonnes	Forties FC	Leakage of diesel from bunkering hose joint.
UKCS/1554	24/08/2013	56-44N: 01-17E	Oil	Other	0.00005 tonnes	Curlew FPSO	Minor hydraulic oil release from ROV.
UKCS/1558	25/08/2013	57-04N: 01-06E	Oil	Hydraulic	0.06 tonnes	Gannet A Seven Atlantic DSV	Release from hydraulic line on subsea dredging tool.
UKCS/1545	26/08/2013	57-43N: 00-50E	Oil	Diesel	0.00128 tonnes	Forties FC	Pinhole leak in diesel bunkering hard piping.
UKCS/1546	26/08/2013	58-17N: 00-12E	Oil	Diesel	0.0039 tonnes	Scott JU	Non hazardous drains tank release.
UKCS/1547	26/08/2013	57-45N: 01-48E	Oil	Condensate	0.005 tonnes	Everest North	Corrosion of drains pot.
UKCS/1548	26/08/2013	60-03N: 03-58W	Chemical	Stack-Magic/MEG	1.2 kg	WilPhoenix	Subsea hydraulic leak on BOP umbilical.
UKCS/1549	26/08/2013	58-03N: 01-04E	Oil	Crude	0.0033 tonnes	Alba Northern	Release of fluids from a vessel.
UKCS/1550	26/08/2013	58-21N: 00-52E	Oil	Hydraulic	0.02 tonnes	Donan FPSO Global Producer	Release from hydraulic return line failure.
UKCS/1551	27/08/2013	58-17N: 00-12E	Oil	Diesel	0.0002 tonnes	Scott JD	Leak from coupling on diesel hose.
UKCS/1552	28/08/2013	60-41N: 02-32W	Chemical	RX5227/ RX9022	10.84 kg	Clair Phase 1	Release from blind flange.
UKCS/1553	28/08/2013	61-06N: 01-04E	Oil	Lubrication	0.1 tonnes	Cormorant A	Lube oil leak to bund with drain to sea.
UKCS/1555	29/08/2013	53-05N: 02-07E	Oil	Diesel	0.13811 tonnes	Leman AD1 [SHELL]	Overfill of diesel storage tank whilst bunkering.
UKCS/1556	29/08/2013	53-19N: 02-34E	Oil	Lubrication	0.0002 tonnes	Inde AT (PERENCO)	Residual oil from redundant power gas line.
UKCS/1557	29/08/2013	61-03N: 01-42E	Oil	Lubrication	0.0003 tonnes	Brent B	Sub-main generator valve failure.
UKCS/1559	30/08/2013	54-02N: 00-43E	Chemical	Methanol	15,000 kg	Neptune	Integrity breach of subsea umbilical.
UKCS/1560	31/08/2013	61-02N: 01-07E	Chemical	Methanol	38 kg	Pelican Manifold	Leaking fitting on injection flowline.
UKCS/1561	01/09/2013	57-54N: 00-36W	Chemical	Transaqua	7,815 kg	Etrick FPSO Aoka Mizu	Overuse of low pressure subsea hydraulic fluid
UKCS/1562	01/09/2013	54-02N: 00-43E	Chemical	Oceanic HW540 E	914.25 kg	Minerva	Fitting failure on water based hydraulic fluid system.
UKCS/1573	02/09/2013	53-27N: 01-43E	Chemical	MEG	189,300 kg	Clipper PT	Storage tank control and indication failed.
UKCS/1563	02/09/2013	61-05N: 01-43E	Oil	Diesel	0.09 tonnes	Brent C	Overfill of temporary bund.
UKCS/1564	02/09/2013	58-02N: 01-08E	Chemical	TEG (all grades)	*	Britannia BLP	*
UKCS/1569	03/09/2013	57-22N: 01-22E	Chemical	Water based mud	3,066 kg	Arbroath	Release from overshot packer.
UKCS/1579	03/09/2013	57-22N: 01-59E	Oil	Hydraulic	0.1 tonnes	Mungo Production Manifold	Scale inhibitor control valve failure.
UKCS/1565	04/09/2013	53-11N: 02-51E	Oil	Avtur Jet A1	0.0005 tonnes	Sean PP	Broken helifuel sampling jar.

UKCS/1566	05/09/2013	58-02N: 01-08E	Chemical	MEG	*	Britannia BLP	*
UKCS/1568	06/09/2013	58-17N: 00-12E	Oil	Crude	0.005174 tonnes	Scott JD	Over filled drain line.
UKCS/1570	06/09/2013	58-17: 01-39E	Oil	Hydraulic	0.005 tonnes	Marnock ETAP PDR	Damage in radiator core of crane oil cooler.
UKCS/1571	08/09/2013	60-48N: 01-44E	Chemical	Barite D31	15 kg	Alwyn North NAA	Baryte vented due to failure to close valve.
UKCS/1584	09/09/2013	60-56N: 02-53W	Chemical	Pelagic 50 & glycol	88.8 kg	West Phoenix	Shuttle valve on BOP stack.
UKCS/1572	09/09/2013	57-04N: 00-53E	Chemical	TEG & CRW85733	324.55 kg	Guillemot West(Triton) FPSO	Cooling medium through failed bursting disk
UKCS/1574	10/09/2013	54-02N: 00-43E	Chemical	Methanol	0.5 kg	Cleeton CPQ	Leaking stem seal on methanol pump.
UKCS/1575	11/09/2013	57-22N: 01-22E	Oil	Crude	0.00085 tonnes	Arbroath	Release from well joint during slot recovery.
UKCS/1576	12/09/2013	53-23N: 02-00E	Oil	Waste	0.003 tonnes	LOGGS GGS Production	Pressure build up in sump tank.
UKCS/1577	13/09/2013	57-43N: 00-58E	Oil	Diesel	0.0095 tonnes	Forties FA	Release from pinhole leak on piping system.
UKCS/1578	14/09/2013	58-17N: 00-12E	Oil	Lubrication	0.0016 tonnes	Scott JD	Lube oil from drain overflow.
UKCS/1580	15/09/2013	57-04N: 00-53E	Chemical	TEG & CRW85733	856.4 kg	Guillemot West(Triton) FPSO	Bursting disk ruptured.
UKCS/1583	16/09/2013	61-03N: 01-42E	Oil	Lubrication	0.0004 tonnes	Brent B	Release from failed O ring on generator.
UKCS/1581	17/09/2013	58-06N: 03-05W	Oil	Crude	0.16 tonnes	Beatrice AD	Hole in PSV drain line.
UKCS/1582	17/09/2013	53-03N: 02-14E	Oil	Hydraulic	0.01 tonnes	Leman G [PERENCO]	Failed hydraulic flexible hose fitting.
UKCS/1585	19/09/2013	59-16N: 01-30E	Chemical	Erifon 818 v2	22.5 kg	Harding	Hydraulic fluid from conductor tensioner.
UKCS/1586	19/09/2013	58-17N: 00-12E	Oil	Crude	1.57 tonnes	Scott JD	Produced water caisson release.
UKCS/1587	21/09/2013	58-17N: 00-12E	Oil	Lubrication	0.000151 tonnes	Scott JU	Lube oil leak from Injection pump.
UKCS/1588	21/09/2013	58-26N: 00-15W	Oil	Waste	0.00008 tonnes	Claymore A	Oily water drains overflowed overboard.
UKCS/1590	22/09/2013	60-32N: 01-54E	Oil	Shell Tellus Oil	0.00525 tonnes	Jura 1	Sheared hose on ROV.
UKCS/1589	23/09/2013	60-03N: 03-58W	Chemical	Stack-Magic & MEG	4.6 kg	WilPhoenix	Release of control fluid from BOP piston.
UKCS/1591	24/09/2013	57-17N: 02-10E	Oil	Weathered	0.00003 tonnes	Lomond	Small drips from compressor package.
UKCS/1592	24/09/2013	53-03N: 02-17E	Oil	Hydraulic	0.05 tonnes	Leman BP [PERENCO]	Hydraulic hose on crane.
UKCS/1593	24/09/2013	58-06N: 01-26W	Oil	Crude	0.464 tonnes	Ross FPSO Bleo Holm	Damaged flexible jumper.
UKCS/1594	23/09/2013	53-05N: 01-45E	Oil	Mineral	0.0005 tonnes	Hewett 48/29 C	Small leak from ESD passing via vent pipe.
UKCS/1596	24/09/2013	53-27N: 01-43E	Oil	Waste	0.0002 tonnes	Clipper PT	Small amount of oily grit to non-haz drain.
UKCS/1600	25/09/2013	53-18N: 02-34E	Chemical	Cement Class G	50 kg	Inde CD (PERENCO)	Bulk powder on deck washed to sea.
UKCS/1595	25/09/2013	54-02N: 00-43E	Oil	Lubrication	0.00089 tonnes	Cleeton CPQ	Lifting PSV on air compressor.
UKCS/1597	27/09/2013	53-23N: 02-00E	Chemical	Glycol/water mixes	0.25 kg	LOGGS GGS Production	Leak from plant air cooling radiator.

UKCS/1598	27/09/2013	57-17N: 02-10E	Oil	Hydraulic	0.00003 tonnes	Lomond	Suspect washings from caisson.
UKCS/1599	27/09/2013	58-18N: 01-46W	Chemical	Oceanic HW540 E	4,023.64 kg	Captain WPP'A'	Loose fitting on subsea hydraulic system.
UKCS/1601	01/10/2013	57-37N: 01-38E	Oil	Crude	0.001 tonnes	FPSO Voyageur Spirit	Leak from end of stowed cargo transfer hose.
UKCS/1721	02/10/2013	58-26N: 00-15W	Oil	Lubrication	56.2 tonnes	Claymore A	Oil drain on B train compressor incorrectly routed.
UKCS/1719	02/10/2013	57-43N: 00-50E	Oil	Diesel	0.00099 tonnes	Forties FC	Pinhole leak in diesel bunkering system.
UKCS/1602	03/10/2013	58-52N: 01-31E	Chemical	Oceanic HW443ND	0.022 kg	Brae East	Subsea hydraulic fluid leak.
UKCS/1603	03/10/2013	57-00N: 01-50E	Oil	Hydraulic	0.4 tonnes	Franklin WHP	Ruptured hydraulic hose.
UKCS/1608	04/10/2013	58-06N: 03-05W	Oil	Unknown	0.000214 tonnes	Beatrice AD	Discharge from unapproved discharge point.
UKCS/1604	04/10/2013	60-57N: 00-56E	Oil	Crude	0.04235 tonnes	Heather A	Failure of small bore pipework in well bay.
UKCS/1611	05/10/2013	58-18N: 01-44E	Oil	Diesel	0.000171 tonnes	Captain FPSO	Failure of diesel hose.
UKCS/1610	05/10/2013	53-52N: 03-22W	Oil	Hydraulic	0.1 tonnes	DP-4	Release from hydraulic valve on wellhead.
UKCS/1607	05/10/2013	53-50N: 00-26E	Oil	Unknown	0.000916 tonnes	47/3B	Release of oil from drain tank vent.
UKCS/1609	06/10/2013	58-07N: 03-05W	Oil	Diesel	0.000378 tonnes	Beatrice AD	Leak from failed temporary pipe repair.
UKCS/1612	06/10/2013	60-51N: 01-28E	Chemical	Calcium chloride	25 kg	Ninian Central	Bunkering hose coupling failure.
UKCS/1605	06/10/2013	58-26N: 00-15W	Oil	Diesel	0.002 tonnes	Claymore A	Transmitter failure.
UKCS/1606	07/10/2013	60-21N: 04-03W	Oil	Hydraulic	0.0005 tonnes	Schiehallion FPSO	Residue washed off deck.
UKCS/1615	08/10/2013	60-51N: 01-28E	Chemical	Oceanic HW540 v2	399.8 kg	Ninian Central	Failure of component in hydraulic control system.
UKCS/1613	09/10/2013	56-09N: 03-03E	Oil	Waste	0.0001 tonnes	WilHunter	Release through slip joint packer.
UKCS/1616	11/10/2013	61-07N: 01-44E	Oil	Waste	0.05 tonnes	Brent D	Loose bunkering hose hammer ring.
UKCS/1617	11/10/2013	56-26N: 00-15W	Oil	Crude	0.3 tonnes	Claymore A	Unignited flare during a nitrogen test.
UKCS/1618	11/10/2013	54-03N: 02-04E	Chemical	Castrol Transaqua	603 kg	Schooner A	Loss of hydraulic pressure.
UKCS/1619	12/10/2013	61-23N: 01-44E	Chemical	CRW85733	6.16 kg	Murchison	Release from Waste Heat Recovery Unit.
UKCS/1620	12/10/2013	61-07N: 01-44E	Oil	Lubrication	0.3536 tonnes	Brent D	Tube failure on Solar Generator Lube cooler.
UKCS/1621	14/10/2013	57-10N: 01-26E	Chemical	Oceanic HW443v2	546 kg	Madoes Subsea Manifold	Failed actuator in annular master valve.
UKCS/1622	14/10/2013	60-51N: 01-28E	Oil	Waste	1.55 tonnes	Ninian Central	Oily water caisson release.
UKCS/1623	14/10/2013	61-03N: 01-42E	Oil	Lubrication	0.000005 tonnes	Brent A	Oil can knocked over into open drains.
UKCS/1624	14/10/2013	58-27N: 00-15E	Chemical	HW740	15.6 kg	Piper B	Pinhole leak in subsea ring main manifold.
UKCS/1625	15/10/2013	60-48N: 01-44E	Oil	Diesel	0.64783 tonnes	Alwyn North NAA	Release from diesel bunkering line.
UKCS/1626	15/10/2013	61-02N: 01-42E	Oil	Diesel	0.00028 tonnes	Brent A	Drip from poorly mated bunkering hose.

UKCS/1627	16/10/2013	58-06N: 01-26W	Oil	Crude	0.00009 tonnes	Ross FPSO Bleo Holm	Residual oil in deck drain gully overflow line.
UKCS/1628	17/10/2013	58-14N: 00-12E	Oil	Hydraulic	0.000235 tonnes	Noble Ton Van Langeveld	Damaged hydraulic rod end seal.
UKCS/1629	20/10/2013	61-14N: 01-08E	Oil	Waste	0.06 tonnes	Cormorant North	Residual oil washed off deck.
UKCS/1630	21/10/2013	58-01N: 00-13E	Oil	Hydraulic	0.02 tonnes	Transocean Prospect	ROV hose failure.
UKCS/1631	21/10/2013	57-45N: 01-48E	Chemical	Oceanic HW540E	1 kg	Everest North	Leak from xmas tree hydraulic wing valve actuator.
UKCS/1632	21/10/2013	57-54N: 00-36W	Chemical	Transaqua	122 kg	Ettrick FPSO Aoka Mizu	Subsea hydraulic fluid release.
UKCS/1633	23/10/2013	53-26N: 02-19E	Oil	Condensate	0.001008 tonnes	Viking BA	Corroded drain plug failure.
UKCS/1634	23/10/2013	58-06N: 01-26W	Chemical	Methanol	957 kg	Blake Manifold	Leakage from failed MeOH line.
UKCS/1635	24/10/2013	56-24N: 02-03E	Oil	Hydraulic	0.2 tonnes	Auk A	Blocked outlet to open hazardous drains.
UKCS/1636	24/10/2013	58-18N: 01-46W	Oil	Diesel	0.00318 tonnes	Captain WPP'A'	Loss from bunkering hose coupling.
UKCS/1637	25/10/2013	53-37N: 03-10W	Chemical	Oceanic HW540E	74.2 kg	Lennox	Loose fitting of valve.
UKCS/1638	26/10/2013	58-44N: 01-18E	Chemical	Oceanic HW443NDv2	151.3 kg	Brae A	Subsea hydraulic fluid leak.
UKCS/1639	27/10/2013	58-02N: 01-08E	Chemical	TEG	*	Britannia	*
UKCS/1640	28/10/2013	60-18N: 04-16W	Chemical	Oceanic HW540 v2	600 kg	Foinaven Gas Disposal Mfold M3	Leak from subsea gas manifold.
UKCS/1641	28/10/2013	57-54N: 00-35W	Chemical	Transaqua	29 kg	Ettrick FPSO Aoka Mizu	Fitting on high pressure subsea hydraulic line.
UKCS/1642	29/10/2013	55-24N: 00-34W	Oil	Hydraulic	0.0001 tonnes	Athena FPSO (BW Athena)	Overflow from Hydraulic Oil Tank vent pipe.
UKCS/1643	29/10/2013	58-14N: 00-12E	Chemical	Oceanic HW540E	1,361 kg	Noble Ton Van Langeveld	Failure of shuttle valve on LRP.
UKCS/1644	30/10/2013	57-27N: 01-23E	Oil	Diesel	0.000014 tonnes	Montrose A	Bunkering hose failure.
UKCS/1645	31/10/2013	58-17N: 00-12E	Chemical	Oceanic HW540e	386 kg	Scott Subsea Structure C	Release from subsea valve.
UKCS/1651	01/11/2013	58-13N: 01-06E	Chemical	Oceanic HW443 R	1,120 kg	Balmoral FPV	Release from hydraulic control jumper hose.
UKCS/1646	01/11/2013	56-50N: 02-15E	Chemical	LTOBM	0.5 kg	Maersk Resilient	LTOBM released from swivel valve.
UKCS/1647	02/11/2013	56-50N: 02-15E	Oil	Diesel	0.000002 tonnes	Maersk Resilient	Diesel release during bunkering operation.
UKCS/1659	03/11/2013	53-33N: 00-45E	Chemical	Barite & Bentonite	222 kg	GSF Monarch	Poor connection on the diverter.
UKCS/1648	03/11/2013	58-17N: 00-12E	Oil	Diesel	2.145 tonnes	Scott JD	Overflow from settling tank.
UKCS/1649	04/11/2013	57-54N: 00-35W	Chemical	Castrol Transaqua	1,454 kg	Ettrick FPSO Aoka Mizu	Subsea hydraulic fluid leak.
UKCS/1650	04/11/2013	57-54N: 00-35W	Chemical	Castrol Transaqua	40 kg	Ettrick FPSO Aoka Mizu	Subsea hydraulic fluid leak.
UKCS/1652	05/11/2013	60-54N: 01-25E	Oil	Crude	0.01 tonnes	Ninian Northern	XCV opened causing discharge.
UKCS/1660	05/11/2013	58-38N: 01-31E	Chemical	Oceanic HW443 R	8.15 kg	Sedco 712	Release on stab plate fitting.
UKCS/1653	05/11/2013	58-18N: 01-46W	Oil	Crude	0.000188 tonnes	Captain WPP'A'	Overpressurised water injection system.

UKCS/1663	05/11/2013	58-19N: 00-43E	Oil	Tellus 32	0.00048 tonnes	North Sea Producer FPSO	Release from hose after collision with ROV.
UKCS/1654	05/11/2013	58-02N: 01-24E	Oil	Hydraulic	0.00016 tonnes	Deep Vision	Damaged ROV seal.
UKCS/1661	06/11/2013	54-02N: 00-43E	Chemical	Oceanic HW540 v2	471.3 kg	Minerva	Passing valve on hydraulic skid.
UKCS/1655	06/11/2013	53-19N: 02-34E	Oil	Hydraulic	0.2 tonnes	Inde D (PERENCO)	Failed hydraulic hose on crane.
UKCS/1658	06/11/2013	53-32N: 03-34W	Oil	Mineral	0.053 tonnes	Douglas FPSO OSB	Mechanical failure of aft securing chain.
UKCS/1656	06/11/2013	60-54N: 01-25E	Oil	Diesel	0.01 tonnes	Ninian Northern	Oily water caisson release.
UKCS/1657	07/11/2013	57-04N: 00-53E	Chemical	Oceanic 25/75	15.8 kg	Guillemot West(Triton) FPSO	Release from Control Jumper Hose.
UKCS/1662	08/11/2013	61-08N: 00-47E	Chemical	Stack-Magic & MEG	82.1 kg	Transocean John Shaw	Release from BOP control system.
UKCS/1664	09/11/2013	61-07N: 01-44E	Chemical	TEG	1,000 kg	Brent D	Incorrect valve line up.
UKCS/1665	09/11/2013	60-56N: 02-53W	Chemical	Pelagic Glycol/Pelagic 50	289.2 kg	West Phoenix	Hot line ruptured between the surface and LMRP.
UKCS/1669	10/11/2013	58-06N: 03-05W	Chemical	OS-2 DTI ID 1241	9.99 kg	Beatrice AD	Failure of the subsea water injection line.
UKCS/1666	10/11/2013	60-54N: 01-25E	Chemical	Calcium bromide	890.4 kg	Ninian Northern	Leak from drilling pit.
UKCS/1668	11/11/2013	58-17N: 00-12E	Chemical	Oceanic HW540e	189 kg	Telford SSIV Manifold	Subsea hydraulic fluid leak.
UKCS/1670	12/11/2013	57-54N: 00-35W	Chemical	Castrol Transaqua	7,371 kg	Ettrick FPSO Aoka Mizu	DCV on subsea SSIV system venting to sea.
UKCS/1671	13/11/2013	59-16N: 01-30E	Oil	Waste	0.00431 tonnes	Harding	Corrosion led to drip from closed drains line.
UKCS/1672	15/11/2013	61-14N: 01-08E	Chemical	XC85717	1,000 kg	Cormorant North	Subsea release as valve incorrectly left open.
UKCS/1673	16/11/2013	57-45N: 01-48E	Chemical	Oceanic HW540 E	0.25 kg	Everest North	Fault in hydraulic master valve actuator.
UKCS/1674	16/11/2013	58-27N: 00-15E	Oil	Diesel	0.0336 tonnes	Piper B	Caisson overflow while topping up fire pump.
UKCS/1675	17/11/2013	58-13N: 01-06E	Chemical	Pelagic 100	329 kg	Balmoral FPV	Faulty jumper assembly.
UKCS/1676	17/11/2013	58-17N: 00-12E	Chemical	(j)Ammonium bisulphate	1.015 kg	Scott JU	Treated water injection leak.
UKCS/1677	21/11/2013	53-20N: 02-31E	Oil	Hydraulic	0.0001 tonnes	Carrack CQE subsea tie-back	Release from subsea tensioning tool.
UKCS/1868	21/11/2013	61-16N: 00-55E	Chemical	Methanol	764 kg	Hudson Manifold	Subsea leaks from 2 connections.
UKCS/1678	24/11/2013	57-22N: 01-22E	Oil	Unknown	0.004 tonnes	Arbroath	Release from overboard drains discharge.
UKCS/1679	24/11/2013	57-22N: 01-59E	Oil	Waste	0.00025 tonnes	Mungo Production Manifold	Wind blew oily water residue from pig launcher.
UKCS/1690	25/11/2013	60-21N: 04-03W	Chemical	TROS 650	1.4 kg	Schiehallion FPSO	Failure of separator produced water nozzle.
UKCS/1680	25/11/2013	61-16N: 00-55E	Oil	Diesel	0.986 tonnes	Tern	Diesel tank overflowed during filling operation.
UKCS/1681	25/11/2013	58-18N: 01-46W	Chemical	Oceanic HW540 E	273 kg	Captain WPP'A'	Leakage from subsea hydraulic hose.
UKCS/1682	26/11/2013	61-06N: 01-04E	Oil	Diesel	0.0002 tonnes	Cormorant A	Overflow from containment during maintenance.
UKCS/1683	26/12/2013	53-50N: 00-26W	Oil	Unknown	0.013416 tonnes	Rough CD	Sheen from unknown source.

UKCS/1684	27/11/2013	57-45N: 01-48E	Oil	Hydraulic	0.807 tonnes	Everest North	Passing PSV on a topsides hydraulic accumulator.
UKCS/1692	29/11/2013	54-18N: 02-37E	Chemical	LTOMB	3 kg	Noble George Sauvegeau	Low pressure seal leakage.
UKCS/1685	29/11/2013	56-41N: 02-20E	Chemical	EEHC1	*	JRP	*
UKCS/1686	30/11/2013	57-10N: 01-26E	Chemical	Oceanic HW443ND	48 kg	Byford Dolphin	Release from subsea control line.
UKCS/1687	01/12/2013	59-32N: 01-32E	Chemical	M-I BAR	1.5 kg	Beryl A	Back flow of mud.
UKCS/1688	01/12/2013	61-03N: 01-42E	Oil	Crude	0.00056 tonnes	Brent B	Release from temperature gauge.
UKCS/1689	01/12/2013	59-44N: 01-40E	Chemical	Oceanic HW443ND	6,050 kg	Bruce PUQ	Release from subsea control system.
UKCS/1691	03/12/2013	57-19N: 01-04E	Oil	Hydraulic	0.85 tonnes	Gannet D Subsea Completion	Potential blockage of field hydraulics.
UKCS/1693	05/12/2013	53-55N: 00-32E	Oil	Hydraulic	0.00218 tonnes	EnSCO 101	ROV hydraulics failure.
UKCS/1720	06/12/2013	54-18N: 02-25E	Chemical	Aqualink 300E VER2	712.4 kg	Hunter Wellhead Protection	Subsea release of hydraulic fluid.
UKCS/1694	06/12/2013	54-20N: 02-21E	Chemical	Aqualink 300-E v2	627.02 kg	McAdam Wellhead Protection Str	Failure of subsea equipment.
UKCS/1695	06/12/2013	53-00N: 02-12E	Oil	Diesel	0.00708 tonnes	Leman H [PERENCO]	Pinhole leak on auto fill line.
UKCS/1696	07/12/2013	57-11N: 00-59E	Oil	Crude	0.0116 tonnes	Gannet A	Weld on routing line failure.
UKCS/1697	07/12/2013	53-14N: 02-17E	Oil	Hydraulic	0.000001 tonnes	LOGGS EUROPA (EZ)	Pinhole leak on banjo fitting.
UKCS/1699	10/12/2013	61-37N: 01-18E	Oil	Unknown	0.015915 tonnes	Magnus	Blocked drains in gas turbine hall.
UKCS/1700	11/12/2013	56-24N: 02-03E	Oil	Diesel	0.026 tonnes	Auk A	Split in diesel bunkering hose.
UKCS/1701	11/12/2013	61-16N: 01-35E	Oil	Crude	6.1 tonnes	Dunlin A	Valve failure on produced water flash drum.
UKCS/1702	11/12/2013	57-22N: 01-22E	Oil	Waste	0.00124 tonnes	Arbroath	Bypass valve left open on pig launcher.
UKCS/1703	14/12/2013	56-11N: 02-45E	Oil	Hydraulic	0.0004 tonnes	Stena Spey	Reservoir for ROV system hydraulics dropped.
UKCS/1704	17/12/2013	56-41N: 02-20E	Oil	Diesel	*	Judy	*
UKCS/1705	17/12/2013	56-11N: 02-45E	Chemical	OBM	37 kg	K5 well	Release during ROV operations.
UKCS/1706	17/12/2013	56-56N: 01-15E	Oil	Hydraulic Hypsin	0.1756 tonnes	Normand Subsea	Hydraulic hose leak.
UKCS/1707	18/12/2013	60-54N: 01-25E	Oil	Diesel	0.664 tonnes	Ninian Northern	Control valve stuck in open position.
UKCS/1708	18/12/2013	53-32N: 03-34W	Oil	Other	0.0001 tonnes	Douglas DD	Produced water injection pipework failure.
UKCS/1709	18/12/2013	58-02N: 01-08E	Chemical	TEG & EC1389B	*	Britannia	*
UKCS/1710	21/12/2013	57-04N: 00-53E	Chemical	TEG & CRW85733	24.55 kg	Guillemot West(Triton) FPSO	Bursting disc ruptured.
UKCS/1713	21/12/2013	58-41N: 01-16E	Chemical	Oceanic HW443	674.74 kg	Birch Manifold	Failure of subsea equipment.
UKCS/1711	22/12/2013	56-27N: 02-17E	Oil	Crude	0.096 tonnes	Clyde	Flange leak on flowline.
UKCS/1712	22/12/2013	60-51N: 01-28E	Chemical	Oceanic HW540 v2	50 kg	Strathspey Manifold	Hydraulic control fluid from control lines.

UKCS/1714	25/12/2013	53-55N: 00-32E	Chemical	Castrol Anvol CF 22	5 kg	EnSCO 101	Burst hose to trip tank valve.
UKCS/1715	28/12/2013	53-57N: 00-33E	Chemical	Oceanic HW540 E	270 kg	Minerva	Failed solenoid on hydraulic line.
UKCS/1716	29/12/2013	57-48N: 00-58W	Oil	Crude	0.002 tonnes	Buzzard Production	Hazardous drains.
UKCS/1717	30/12/2013	53-55N: 00-32E	Chemical	Oceanic HW 443 ND	4 kg	EnSCO 101	Loose fitting on latch mechanism for tree.
UKCS/1718	31/12/2013	58-18N: 01-46W	Oil	Lubrication	0.396 tonnes	Captain WPP'A'	Cooler failure.

* These incidents are subject to further DECC investigation and, therefore, the omitted information should be provided in the next annual report.

- (a) This incident also included the chemicals Foamtreat 943, Scavtreat 12345 and Biotreat 7407.
- (b) This incident also included the chemicals Ammonium bisulphate 65%, Foamtreat 943, Scavtreat 12345 and Sodium hypochlorite 15%.
- (c) This incident also included the chemicals Caustic soda, Proxel XL2, Duo-Vis, M-1Bar (all grades).
- (d) This incident also included the chemicals Ammonium bisulphate 65%, Foamtreat 943, Scavtreat 12345 and Sodium hypochlorite 15%.
- (e) This incident also included the chemicals Ammonium bisulphate 65%, Foamtreat 943, Scavtreat 12345 and Sodium hypochlorite 15%.
- (f) This incident also included the chemicals Calcium chloride (all grades), Versatrol, Truvis, Versaclean CBE, Lime and DF1.
- (g) This incident also included the chemicals DFW80521 and Sodium hypochlorite solution generated in situ.
- (h) This incident also included the chemical Brayco micronic SV3.
- (i) This incident also included the chemicals Kwik-Seal (all grades), Safe-Carb (all grades) and Duo-Vis.
- (j) This incident also included the chemicals Foamtreat 943, Scavtreat 12345, Sodium hypochlorite 15% and Biotreat 7407.

**ONGOING RELEASES							
Reference	Date	Location	Category	Type	Amount	Source	Comments
	01/01/2008	53-05N: 02-07E	Oil	Condensate	0.07 tonnes	Leman AD1 (SHELL)	Release from AP vent system.
UKCS/1628	21/12/2009	59-44N: 01-40E	Chemical	(k) Oceanic HW540 v2	*	Bruce PUQ	*
UKCS/1266	27/03/2009	53-54N: 03-43W	Chemical	Oceanic HW443R	15,021 kg	Dalton Template Manifold	Leak in a hydraulic system.
	24/06/2011	60-37N: 01-39E	Chemical	Oceanic HW443R	0.248 kg	Nuggets N1 Subsea Completion	Subsea hydraulic control system.
	08/12/2011	61-29N: 01-27E	Chemical	Gyptron SA3460	29,657.01 kg	Don SW&W Don Northern Producer	Leak from subsea distribution unit.
UKCS/1379	15/03/2012	58-21N: 00-52E	Chemical	Methanol	4.384 kg	Donan FPSO Global Producer III	Leak on the methanol line.
UKCS/1439	26/04/2012	57-19N: 01-04E	Oil	Hydraulic	0.012478 tonnes	Gannet D Subsea Completion	GD02 leak identified at subsea wellcheck.
UKCS/1441	26/04/2012	57-19N: 01-04E	Oil	Hydraulic	0.024208 tonnes	Gannet D Subsea Completion	GD04leak identified at subsea wellcheck.
UKCS/1510	20/06/2012	61-29N: 01-27E	Chemical	Castrol Transaqua	10,563.55 kg	Don SW&W Don Northern Producer	Faulty valve.
UKCS/1737	26/11/2012	58-06N: 01-26W	Chemical	Oceanic HW443v2	85 kg	Ross FPSO Bleo Holm	Hydraulic leak from SCM.
UKCS/1751	02/12/2012	57-05N: 00-53E	Chemical	Brayco Micronic SV3	136.27 kg	Guillemot West (Triton)	Leak from control valve.

(k) This incident included the chemicals Oceanic HW 443ND v2 and Oceanic HW 443ND

** The rollover ongoing incidents above commenced and were initially recorded during a previous reporting year. As a result they have not been recorded as a new incident within the current year's number of incidents. However, the quantity released during the current calendar period has been taken into account within the overall statistical analyses to provide a true reflection of fluids released to sea during the calendar year.

UPDATES TO 2012 UKCS OIL AND GAS INSTALLATION RELEASES (not included in the 2013 statistics).							
Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/1536	10/07/2012	61-19N: 01-32E	Oil	Crude	15.5541 tonnes	Osprey Production Manifold	Flexible pipeline failure.
UKCS/1752	04/12/2012	58-02N: 01-08E	Chemical	TEG & EC1389B	5,934 kg	Britannia	Failure of a Printed Circuit Heat Exchanger.

12: UKCS VESSEL DISCHARGES							
Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/1800	11/03/2013	61-17N: 01-33E	Oil	Crude	7 litres	Unidentified vessel	Reported by Dunlin Installation.
UKCS/1801	27/03/2013	58-02N: 01-08E	Oil	Bilge	50 litres	Unidentified vessel	Reported by Britannia Installation.
UKCS/1802	04/04/2013	61-15N: 01-22E	Oil	Nk	53 litres	Unidentified vessel	Reported by Causeway Installation.
UKCS/1870	09/04/2013	57-48N: 00-42E	Oil	Nk	Nk	Unidentified vessel	Patch of oil dispersed naturally.
UKCS/1803	09/04/2013	60-51N: 01-28E	Oil	Nk	1.94 tonnes	Unidentified vessel	Reported by Ninian Installation.
UKCS/1805	25/04/2013	60-48N: 01-44E	Oil	Nk	3.6 litres	Unidentified vessel	Reported by Alwyn North Installation.
UKCS/1806	25/04/2013	56-23N: 02-15E	Oil	Nk	4 litres	Unidentified vessel	Reported by Janice Installation.
UKCS/1807	06/05/2013	57-57N: 01-50E	Oil	Mineral	0.5 litres	Unidentified vessel	Reported by Fleming Installation.
UKCS/1808	06/05/2013	60-51N: 01-28E	Oil	Nk	550 litres	Unidentified vessel	Reported by Ninian Installation.
UKCS/1811	20/05/2013	61-23N: 01-44E	Oil	Crude	250 litres	Unidentified vessel	Reported by Murchison Installation.
UKCS/1816	31/05/2013	57-01N: 01-57E	Oil	Waste	15 litres	Unidentified vessel	Reported by Shearwater Installation.
UKCS/1821	17/06/2013	61-07N: 01-44E	Oil	Nk	260 litres	Unidentified vessel	Reported by Brent Installation.
UKCS/1828	09/07/2013	57-04N: 00-53E	Oil	Mineral	1.5 litres	Unidentified vessel	Reported by Guillemot West Installation.
UKCS/1851	13/08/2013	60-37N: 01-39E	Oil	Nk	0.2 litres	Unidentified vessel	Reported by Dunbar Installation.
UKCS/1852	17/08/2013	59-44N: 01-40E	Oil	Nk	0.02 litres	Unidentified vessel	Reported by Bruce Installation.
UKCS/1853	18/08/2013	61-14N: 01-08E	Oil	Crude	500 litres	Unidentified vessel	Reported by Cormorant North Installation.
UKCS/1858	03/09/2013	58-27N: 00-15E	Oil	Nk	75 litres	Unidentified vessel	Reported by Talisman Energy (UK) Ltd.
UKCS/1859	04/09/2013	60-37N: 01-39E	Oil	Fuel	0.001 litres	Unidentified vessel	Reported by Dunbar Installation.
UKCS/1860	08/09/2014	59-21N: 01-33E	Oil	Nk	1.232 tonnes	Unidentified vessel	Reported by Gryphon Installation.
UKCS/1861	11/09/2013	57-18N: 00-58E	Oil	Nk	768 litres	Unidentified vessel	Reported by Gannet A Installation.
UKCS/1862	11/09/2013	57-11N: 01-00E	Oil	Nk	3.26 tonnes	Unidentified vessel	Reported by Gannet A Installation.
UKCS/1863	11/09/2013	56-57N: 01-48E	Oil	Nk	0.065 litres	Unidentified vessel	Reported by West Franklin Installation.
UKCS/1864	13/09/2013	57-05N: 00-59E	Oil	Nk	60 litres	Unidentified vessel	Reported by Guillemot A Installation.
UKCS/1865	13/09/2013	57-17N: 01-39E	Oil	Nk	20 litres	Unidentified vessel	Reported by Marnock Installation.
UKCS/1866	10/10/2013	61-29N: 01-27E	Oil	Crude	148 litres	Unidentified vessel	Reported by West Don Installation.
UKCS/1867	16/10/2013	57-09N: 02-17E	Oil	Nk	0.09 litres	Unidentified vessel	Reported by Pierce Installation.

APPENDIX 2

SURVEY QUESTIONNAIRE AND ACCOMPANYING GUIDELINES

MCA/ACOPS ANNUAL SURVEY OF VESSEL/OFFSHORE SOURCED MARINE POLLUTION

GUIDELINES TO AID COMPLETION OF THE SURVEY FORM

The survey questionnaire requests information on incidents involving a range of pollutants including mineral oil (**MARPOL I**), noxious liquid substances (**MARPOL II**), packaged dangerous/harmful goods (**MARPOL III**) and garbage (**MARPOL V**).

Reports are requested for pollution incidents attributed to discharges, or suspected discharges, from vessels and offshore installations operating within the UK Pollution Control Zone, harbour waters and national waters. Information is not required for pollution incidents attributed to land-based sources such as industrial premises, sewers and outfalls.

Annual returns can be made either by email or by post. If using email please click on the boxes provided and insert other information in the spaces provided. The email and postal versions of the survey form can be downloaded from the ACOPS website at www.acops.org.uk (under ACOPS Reports on the main menu) together with previous survey reports.

Please complete a separate form for each incident. Thank you for your continued support in providing this important information.

Question	Guideline
1	Please insert name of reporting organisation. If you have nothing to report please tick the <i>no pollution to report box</i> , add respondent details (Question 17) and return the questionnaire to the address shown.
2	Identify the category of vessel/offshore sourced pollution from the options given (<i>tick appropriate box</i>). Note that in the case of garbage, an incident report is requested only in circumstances involving an illegal or accidental discharge from a specific vessel/offshore installation. An incident report is not required following observations of litter at sea or on beaches from an unknown source.
3	Insert dates of the beginning and end of the incident.
4	Please identify one or more zones affected by the pollution (<i>tick appropriate box</i>). The shoreward boundary of the open sea zone is defined as 3 nautical miles (5.6 km) from nearest land.
5	State how long the pollution remained in days or weeks (<i>insert values</i>).
6	Identify the location of the incident using geo-coordinates, national grid reference, place name or other suitable method (<i>insert details</i>).
7	If known, insert the estimated volume of pollution in litres, tonnes or cubic

	metres. Please state any other units of volume used.
8	Please indicate the overall distance in km, or state the names of settlements at the extremities, of the affected stretch of coastline.
9	Indicate whether a vessel or offshore installation was identified as a source of pollution or simply suspected on the basis of available evidence (<i>tick most appropriate box from the options given</i>). Note that incidents attributed to land-based sources of pollution are not included in this survey.
10	Please identify the most appropriate category which indicates the scale of pollution at sea or deposited on the shoreline (<i>tick appropriate boxes</i>).
11	If known, identify the type of vessel or offshore installation causing the pollution (<i>tick one of the boxes to select the appropriate response to the options given</i>).
12	Please state the name of the vessel/offshore installation, whether UK or foreign registered and operating company if known (<i>insert details in the spaces provided</i>).
13	Identify the category and type of pollution from the options given (<i>tick the appropriate box or insert relevant details in the spaces provided</i>).
14	Indicate whether a partial or complete clean-up operation was undertaken (<i>Circle appropriate option</i>).
15	Please add details of any legal proceedings initiated against alleged offenders including fines and penalties (<i>identify options as indicated and insert other information</i>). Any further information not available at the time of reporting will be requested in a separate questionnaire.
16	Add any further relevant details as indicated (<i>by inserting information in the space provided or on a separate sheet</i>). Please include any comments on how the questionnaire might be improved.
17	Please provide the background details requested including your email address which can be used in future surveys.

Trevor Dixon,
Advisory Committee on Protection of the Sea,
c/o MCSC, Trinity College (Julian Hunt)
Cambridge CB2 1TQ
Tel: (01494) 521923 email: DIXON-TR@SKY.COM

Advisory Committee On Protection Of The Sea

Report of a vessel / offshore sourced pollution incident

1. Name of reporting organisation or agency

No pollution to report:

FOR ACOPS USE ONLY

Questionnaire No.

Incident No.

Enumeration area:

2. Does this report describe an incident involving:

1. Mineral oil

2. Garbage

3. Vegetable / animal oil

4. Chemical substance

5. Other

(select appropriate box)

3. When did pollution occur ? (insert dates)

Year	start	finish
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		

4. Zone polluted

1. Open sea

2. Tidal river or estuary

3. Bay or nearshore waters

4. Beach or shore

5. Port or harbour

6. Other

0. Not known

(select appropriate box)

5. Length of time pollution remained:

At sea days weeks

not known

On shore days weeks

not known

(insert details and select units)

6. Position or location of pollution

Lat. / Long. **OR** National grid coordinates if known

(insert details)

7. Estimated volume of pollution

litres not known

m³

tonnes

(insert amount and select units)

8. Length of coast affected

kms

OR from:

to:

OR not known:

(insert details or select 'not known')

9. Source of pollution

Vessel / offshore installation identified

Vessel / offshore installation suspected

Not known

(select appropriate box)

10. Intensity or degree of pollution

<p><i>On water</i></p> <p>1. Film, scattered blobs or lumps <input type="checkbox"/></p> <p>2. Slick up to 3 metres (10') wide <input type="checkbox"/></p> <p>3. Several slicks up to 3 metres (10') wide; or big slick 100 metres (300') extent <input type="checkbox"/></p> <p>4. Large slick, 100 metres to 1.6 km (1 mile) in extent <input type="checkbox"/></p> <p>5. Very large slick over 1.6km (1 mile) in extent <input type="checkbox"/></p> <p>0. Not known <input type="checkbox"/></p> <p><i>(select appropriate box)</i></p>	<p><i>On shore</i></p> <p>Film, blobs or lumps on shore or debris <input type="checkbox"/></p> <p>Band up to 1 metre wide <input type="checkbox"/></p> <p>Band of pollution several metres wide, or large patches all over the shore <input type="checkbox"/></p> <p>Very thick band of pollution; exposed shore 50% to 80% covered <input type="checkbox"/></p> <p>Shore totally covered with pollution <input type="checkbox"/></p> <p>Not known <input type="checkbox"/></p> <p><i>(select appropriate box)</i></p>
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Continued overleaf

11. Type of vessel or offshore installation

1. Coastal tanker / VLCC	<input type="checkbox"/>
2. Chemical tanker	<input type="checkbox"/>
3. General cargo vessel	<input type="checkbox"/>
4. Fishing vessel	<input type="checkbox"/>
5. Offshore support vessel	<input type="checkbox"/>
6. Pleasurecraft	<input type="checkbox"/>
7. Offshore oil installation	<input type="checkbox"/>
8. Wreck	<input type="checkbox"/>
9. Other	<input type="checkbox"/>
10. Not known	<input type="checkbox"/>

(select appropriate box)

12. Name of vessel or offshore installation and name of operating company

Vessel / installation name

Operating company

Nationality: UK

Foreign

Not known

(insert details and select appropriate box)

13. Type of pollution (tick appropriate box)

Mineral oil		Garbage		Other substance
Crude <input type="checkbox"/>		Galley wastes <input type="checkbox"/>		Vegetable oil <input type="checkbox"/>
Lubrication <input type="checkbox"/>		Fishing wastes <input type="checkbox"/>		Fish oil <input type="checkbox"/>
Hydraulic <input type="checkbox"/>		Cargo residues <input type="checkbox"/>		Synthetic mud <input type="checkbox"/>
Fuel <input type="checkbox"/>		Unidentified <input type="checkbox"/>		Unidentified <input type="checkbox"/>
Gas <input type="checkbox"/>		Other (specify)	<input type="text"/>	Other (specify)
Diesel <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Lumps <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Unidentified <input type="checkbox"/>		<input type="text"/>		<input type="text"/>
Other (specify)	<input type="text"/>			

(select appropriate option or add details)

14. Clean - up

Was a clean-up operation undertaken? Yes

No

(select appropriate option)

15. Legal proceedings

None initiated

Proceedings initiated but no further details known

Prosecution brought by: *(insert organisation below)*

Verdict: guilty

admonished

not guilty

Amount of fine: £

(select appropriate option or add value)

16. Additional information on incident

Please add any further relevant details describing the incident including causes, damage or detrimental effects and any rehabilitation measures undertaken. *(please insert details below)*

17. Report completed by: *(insert details)*

Name: <input type="text"/>	Position: <input type="text"/>
Address: <input type="text"/>	Telephone: <input type="text"/>
<input type="text"/>	E-mail: <input type="text"/>
<input type="text"/>	Date: <input type="text"/>