



ADVISORY COMMITTEE ON PROTECTION OF THE SEA

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

2002

A survey conducted on behalf of the Maritime and Coastguard Agency

London, March 2003

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March 2003

SECTION 1
SUMMARY AND OVERVIEW

SECTION 1: SUMMARY AND OVERVIEW

- 1.1. Following analysis of 1,763 incident reports 703 discharges were identified from vessels and offshore installations operating in the United Kingdom Pollution Control Zone and national waters. The 2002 total comprised 94.4 % mineral oils, 1.4% chemicals, 0.6% vegetable or animal oils and 3.6% other substances. A 3.7% increase was evident in the total number of incidents reported over the previous year's total.
- 1.2. The geographical distribution for oil discharges was similar to previous years. Clusters in reported sightings of oil in the open sea were again evident off the Norfolk and Suffolk coastline, Dover Strait and its approaches, western English Channel and North Channel in the Irish Sea. Floating oil patches reported in the vicinity of offshore oil & gas installations, but attributed to unidentified vessels, were more prominent in the United Kingdom Continental Shelf Oil and Gas (UKCS) area during 2002. In total, 78% of all discharges were reported in the open sea and 17% in ports and harbours.
- 1.3. Excluding the UKCS enumeration area, a downward trend in the annual number of oil discharges reported in the open sea was again evident in the 2002 statistics. The 2002 total of 53 oil discharges from vessels in the open sea was significantly lower than the mean annual total of 80 oil discharges for the previous 4 years.
- 1.4. Estimated volumes of discharges were recorded in 535 incident reports. The modal class for oil discharges was again less than 455 litres but larger spills were reported in 8 of the 11 survey enumeration areas. The largest spillage, 200 tonnes of ethyl acetate, occurred after the acid carrier *Bow Eagle* was damaged following a collision with a French trawler in the English Channel off Start Point on 26 August. Nineteen spills of 2 tonnes or more were reported during 2002 including 9 attributed to offshore oil & gas installations. The corresponding statistics for the previous year were 16 and 7 respectively.
- 1.5. Crude oils accounted for 38% of the identified types of mineral oil discharges. Bunker, diesel and gas oils were spilt in varying quantities from vessels and offshore installations on 210 occasions in all survey enumeration areas. In addition there were 10 references to chemical spills including denaturated alcohol, ethyl acetate (UN 1173), fracture slurry, toluene (UN 1294), methanol (UN 1230) and an unidentified corrosive liquid (UN 1760).
- 1.6. Offshore oil & gas installations were identified as the source of 64% of total number of confirmed discharges, but less than 20% of the total oil discharged by weight with most incidents resulting in the discharge of less than 100 litres. The numerical statistics for fishing vessels, general cargo vessels, oil & chemical tankers and offshore support vessels were 8%, 6%, 3% and 2% respectively. Comparisons between the 2001 and 2002 statistics showed further marked reductions in the numbers and proportions of discharges attributed to tankers and non-tanker vessels operating in the survey area. The 2002 statistics were also significantly lower than the 1999-2001 mean annual totals for both categories of vessels.
- 1.7. Details of 3 prosecutions following oil discharges were received and another case had not been called at the time of reporting. Following a prosecution brought by the MCA the owners of the Mv *MSC Ariane* were fined £100,000 and ordered to pay costs of

£4,968 after the vessel was photographed polluting the sea with oil off Plymouth on 3 July. The fine was later reduced to £30,000 on appeal. The DTI brought a successful prosecution following a spill of more than 400 tonnes of crude oil from the pipeline carrying oil between the Hutton Tension Leg Platform and the NW Hutton Installation in October 2000 and the owners, a Kerr-McGee subsidiary, were fined £10,000.

SECTION 2

DESCRIPTIVE STATISTICS AND TREND ASSESSMENTS

SECTION 2: DESCRIPTIVE STATISTICS AND TREND ASSESSMENTS

2.1. SURVEY DESIGN

- 2.1.1.** 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. Between 1978 and 1999 the Coastguard Agency's Marine Pollution Control Unit (MPCU) commissioned an annual survey in which 10 reporting organisations submitted 20,551 reports describing 12,746 oil pollution incidents in the waters around the British Isles. The statistics have been analysed to identify long-term temporal and spatial trends.¹
- 2.1.2.** In 2000 the Counter Pollution Branch (CPB) of the Maritime & Coastguard Agency (MCA) reviewed its future management information requirements concerning discharges from vessels and other offshore sources. The review considered recent developments in prevention and control of discharges from these sources. Following completion of a competitive tendering exercise ACOPS was invited to continue to undertake the annual survey to a revised specification. The differences between the past and revised survey specifications have been identified and discussed in previous annual survey reports²
- 2.1.3.** For some survey attributes, therefore, past and future statistics are not always directly comparable. Moreover, it will not be possible to identify some significant trends in the revised statistics until a sufficient volume of data has been collected over some years.

2.2. CATEGORIES OF REPORTED DISCHARGES

- 2.2.1.** Following analysis of 1,763 incident reports and supporting information 703 separate discharges from vessels and offshore installations were identified within the survey area during 2002. A 3.7% increase was evident in the total number of incidents reported over the previous year's total. In **Table 1** statistics are given showing the different categories and numbers of discharges reported during 2001 and 2002 for each of 11 enumeration areas. Geographical boundaries to each enumeration area and the complete survey area are shown in **Figure 1**. It should be noted that the statistics for discharges in the United Kingdom Continental Shelf (UKCS) Oil & Gas enumeration area have been presented in two source categories, offshore oil & gas installations and vessels. The Department of Trade and Industry (DTI) requested this amendment to the analysis of data.

¹ Dixon, T.R. & Mansfield-Williams, M (1998). Long-term analysis of oil spill statistics for the waters around the British Isles 1964-1995. Report submitted to the Coastguard Agency by the Advisory Committee on Protection of the Sea.

² Annual Survey of Reported Discharges Attributed to Vessels and Offshore Oil & Gas Installations Operating in the United Kingdom Pollution Control Zone (2000, 2001).

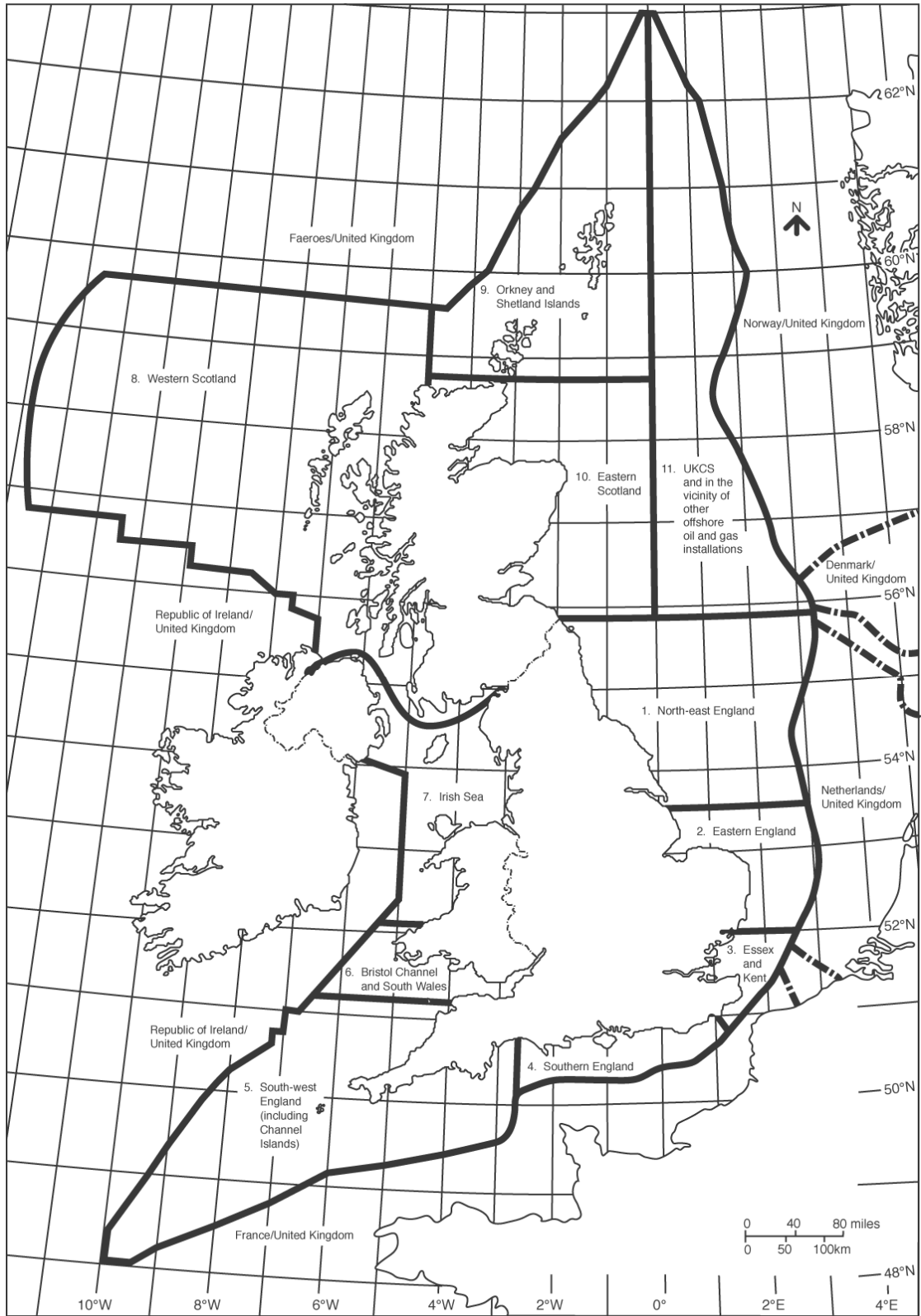


Figure 1: Boundaries of UK Pollution Control Zone and individual enumeration areas

**TABLE 1: TOTAL INCIDENTS REPORTED BY CATEGORY OF POLLUTION AND
ENUMERATION AREA FOR 2001 AND 2002^(a)**

Enumeration area	Mineral oil	Garbage	Vegetable & animal oils	Chemicals	Other substances	Totals
1. North-east England	22 (22)	- (-)	1 (-)	1 (2)	- (-)	24 (24)
2. Eastern England	14 (16)	- (-)	1 (-)	1 (-)	- (1)	16 (17)
3. Essex & Kent	18 (19)	- (-)	1 (-)	- (1)	- (1)	19 (21)
4. Southern England	16 (29)	- (1)	- (-)	- (-)	- (-)	16 (30)
5. South-west England	39 (32)	- (-)	- (-)	1 (-)	- (-)	40 (32)
6. Bristol Channel & South Wales	27 (23)	- (1)	- (-)	- (-)	- (-)	27 (24)
7. Irish Sea	16 (20)	- (-)	- (2)	- (1)	- (-)	16 (23)
8. Western Scotland	19 (39)	- (-)	- (-)	- (-)	- (-)	19 (39)
9. Orkney & Shetland Islands	13 (5)	- (-)	- (-)	- (-)	- (-)	13 (5)
10. Eastern Scotland	17 (21)	- (1)	1 (-)	- (-)	- (-)	18 (22)
11. UKCS oil & gas installations	422 (400)	- (-)	- (-)	6 (5)	24 (14)	452 (419)
11. UKCS vessels	41 (22)	- (-)	- (-)	1 (-)	1 (-)	43 (22)
Totals	664 (648)	- (3)	4 (2)	10 (9)	25 (16)	703 (678)

^(a) The figures in parenthesis are the corresponding values from the 2001 survey.

2.2.2. The reported discharges comprised 94.4% mineral oils, 1.4% chemicals, 0.6% vegetable or animal oils and 3.6% other substances. These relative proportions were very similar to those calculated from the 2001 data. There were no reports of any observed discharges of garbage from vessels or offshore installations in the 2002 returns.

2.2.3. The statistics in **Table 1** showed no consistent overall trend across the survey area for differences between the 2001 and 2002 totals for each enumeration area. Significant reductions in reported incidents were evident for southern England, Irish Sea and western Scotland. In contrast, the opposite trend was evident in the differences between annual totals for south west England, Orkney and Shetland Islands, UKCS oil and gas installations and UKCS vessels. Further details for each enumeration area are presented in **Section 4**.

2.3. LOCATIONS OF REPORTED DISCHARGES

2.3.1. Distributions of reported discharges are presented utilising two geographical scales. To facilitate comparisons with previous years' data locations of reported vessel-source oil discharges during 2002 are plotted in **Figure 2**. Data for ports are grouped for the purposes of clarity. The locations of all reported incidents, when known, are identified in **Appendix 1** and they are further examined in each of the enumeration area reports contained in **Section 4**.

2.3.2. The overall geographical pattern for vessel-source oil discharges during 2002 was broadly similar to those identified in previous years allowing for major changes in survey design. Clusters in reported sightings of oil in the open sea were again evident off the Norfolk and Suffolk coastline, Dover Strait and its approaches, western English Channel and North Channel in the Irish Sea. Oil patches reported in the vicinity of offshore oil and gas installations, but attributed to unidentified vessels, were more prominent in the UKCS area during 2002.

2.3.3. The geographical locations of all discharges 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 show that 78% of all discharges were reported in the open sea, 17% in ports or harbours and 5% across the remaining zones. The corresponding 2001 statistics were 72%, 20% and 8% respectively. The differences between the statistics were attributed primarily to additional reports of oil discharges in the UKCS area and fewer oil spills from vessels in ports.

2.3.4. Excluding the UKCS enumeration area, 53 oil discharges were reported in the open sea marine environmental zone during 2002 compared with a mean annual total of 80 oil discharges during the previous 4 years. The current figure, therefore, represents a 34% reduction over the previous 4 year mean value and suggests a continuing decline in reported oil discharges within a large part of the UKPCZ.

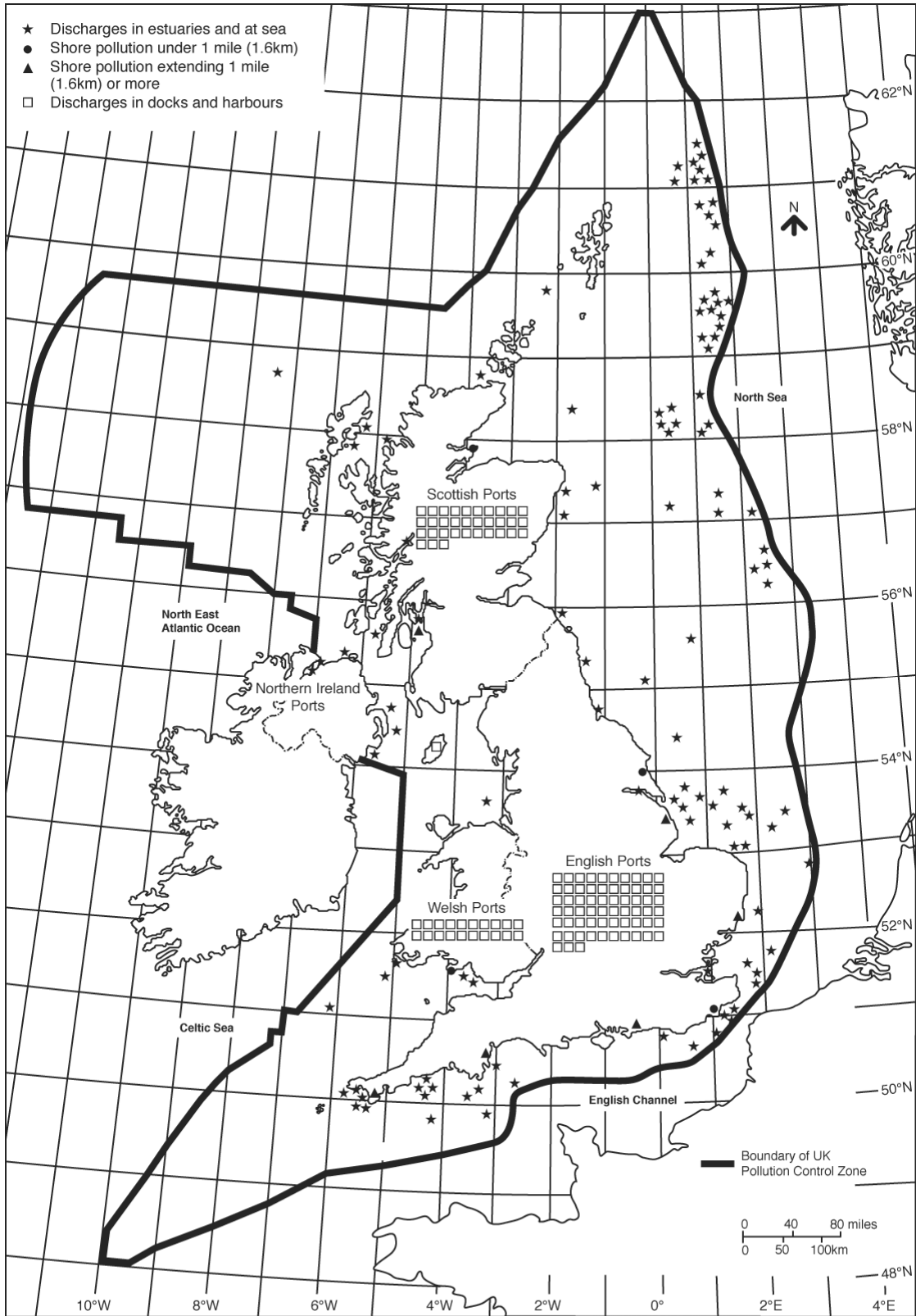


Figure 2: Locations of reported oil discharges attributed to vessels

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	8	1	1	1	13 (2)	24 (2)
2. Eastern England	13 (1)	-	-	2	1 (1)	16 (2)
3. Essex & Kent	9 (1)	1	-	1	8	19 (1)
4. Southern England	2	-	1	1	12	16
5. South-west England	10 (1)	-	6	2	22	40 (1)
6. Bristol Channel & South Wales	1	2	2	1	21	27
7. Irish Sea	4	3	-	-	9	16
8. Western Scotland	4	2	1	1	11	19
9. Orkney & Shetland Islands	2	-	-	-	11	13
10. Eastern Scotland	3	1	2 (1)	1	11	18 (1)
11. UKCS oil & gas installations	452 (30)	-	-	-	-	452 (30)
11. UKCS vessels	43 (2)	-	-	-	-	43 (2)
Totals	551 (35)	10	13 (1)	10	119 (3)	703 (39)

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

2.4. AMOUNT AND EXTENT OF REPORTED INCIDENTS

- 2.4.1. Information describing observed dimensions and volumes of pollution for each enumeration area is presented in **Table 3**. It should be noted, however, that details of the extent of pollution were not available for 71% of the total number of incidents reported. Likewise, estimates for volumes of discharges were not confirmed in written reports for 168 incidents.
- 2.4.2. Excluding discharges from offshore oil & gas installations approximately 10% of oil slicks were greater than 1.6 km in length when this information was reported. Broadly comparable statistics from the 1985, 1995 and 2000 surveys were 15%, 15% and 10% respectively. Respondents identified 10 beach pollution incidents involving oil and 5 were classified as extensive, affecting more than 1.6km of coastline. The statistics for the previous year were 14 and 4 respectively.
- 2.4.3. Three significant beach pollution incidents occurred during November and December 2002. Fuel oil globules were washed ashore along an extensive area of the coastline between Lincolnshire and east Yorkshire during December (Refer to area 1 north-east England report). Local authority reports described clearance operations following a similar incident affecting the Norfolk, Suffolk and Essex coastline between 17 November and late December. Hundreds of oiled birds were rescued from beaches by the RSPCA (Refer to area 2 eastern England report). In the third incident occurring during November and December oil pellets mixed with flotsam were observed on beaches along the southern coastline of Cornwall and Devon (Refer to area 5 south-west England report). In each location the results from oil sample analyses suggested different types of heavily weathered fuel oils which had been at sea for some time.
- 2.4.4. Estimated volumes of discharges were recorded in 535 incident reports. The modal class for oil discharges was again less than 455 litres but larger volumes were recorded in 8 of the 11 survey enumeration areas. In total 6% of oil discharges were greater than 456 litres, when this information was recorded, compared with 10% for 2001.
- 2.4.5. The largest spillage, 200 tonnes of ethyl acetate (UN Number 1173, Category D) occurred after the acid carrier Mct *Bow Eagle* (15,829 gt, built 1984) was damaged following a collision with a French trawler in the English Channel off Start Point on 26 August. In **Section 3** additional details are provided for 19 discharges of 2 tonnes or more attributed to vessels and offshore oil and gas installations.

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

Enumeration area	Extent of pollution (b)				Estimated volumes of discharges				
	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	22 (2)	1	1	-	15 (2)	-	2	1	6
2. Eastern England	6 (1)	8 (1)	-	2	2 (1)	-	1 (1)	-	13
3. Essex & Kent	15 (1)	3	1	-	5	-	2	-	12 (1)
4. Southern England	14	1	-	1	7	-	-	-	9
5. South-west England	33	2	-	2	13	1	2	1 (1)	23
6. Bristol Channel & South Wales	25	1	1	-	19	-	-	-	8
7. Irish Sea	15	-	-	-	12	-	-	-	4
8. Western Scotland	16	2	1	-	15	-	1	1	2
9. Orkney & Shetland Islands	12	1	-	-	9	-	1	-	3
10. Eastern Scotland	17 (1)	-	1	-	17 (1)	-	1	-	-
11. UKCS oil & gas installations	(c)	(c)	(d)	(d)	347 (23)	16 (2)	20 (5)	-	69
11. UKCS vessels	(c)	(c)	(d)	(d)	21 (1)	1	2 (1)	-	19
Totals	175 (5)	19 (1)	5	5	482 (28)	18 (2)	32 (7)	3 (1)	168 (1)

(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. The data were derived from 204 incident reports in which this information was recorded.

(c) Information not reported.

(d) Not applicable.

2.5. TYPES OF POLLUTION

- 2.5.1. Statistics showing the different types of discharges and polluting substances within the categories mineral oils, garbage and other substances are presented in **Table 4**. Mineral oils were again the most frequently recorded polluting substances and general types were identified in 94% of incident reports. Crude oils accounted for 38% of the identified types of mineral oil discharges and this figure was 2% less than the previous year's. There were only 8 reports of crude oil pollution outside the UKCS enumeration area and most of these incidents were caused by tanker discharges in ports or harbours.
- 2.5.2. Bunker, diesel, fuel and gas oils were spilt in varying quantities from vessels or offshore installations on 210 occasions in all enumeration areas. The spills occurred most frequently in the UKCS, south-west England, Bristol Channel & South Wales and north-east England enumeration areas.
- 2.5.3. Respondents described the remaining types of mineral oil discharges as base oils, condensate, emulsions, hydraulic oils, machinery oil, oily bilge water, slops, sludge, sump oils, tarry lumps or tar, washings and waste oils.
- 2.5.4. There were no references in the 2002 reports of any observed discharges of garbage to sea from vessels. Animal and vegetable oils were reported as polluting substances on 4 occasions including a 150 litres spillage of palm oil and a quantity of fish oil.
- 2.5.5. There were 10 references in questionnaire returns to chemical spills or discharges from vessels or offshore installations. The chemical substances, quantities and sources included the following:
- 200 tonnes of ethyl acetate (UN 1173) from the Mct *Bow Eagle* on 26 August;
 - 15 tonnes of fracture slurry from the Msv *BJ Vestfonn* alongside the Global Santa Fe Monitor installation on 4 October;
 - 6 tonnes of denaturated alcohol from the *Bruce* installation on 2 September;
 - 1 tonne of a corrosive liquid (NOS, UN 1760) from Mv *Tor Minerva* at Felixstowe on 30 March;
 - 1 tonne of methanol (UN 1230) from the *Loggs* installation on 16 June;
 - 20 litres of toluene (UN 1294) from the Mct *Dutch Spirit* at Teesport on 3 July.
- 2.5.6. Further types of discharge were other substances associated with offshore oil and gas exploration and production operations, primarily oil-based mud, and these are listed in **Table 11** of **Appendix 1**.

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

Enumeration Area	Vessel/offshore pollution source		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	21 (2)	3	-	17	2	2	1	-	-	-	1	-	1	-	-
2. Eastern England	3 (2)	13	1	8	-	3	2	-	-	-	1	-	1	-	-
3. Essex & Kent	11 (1)	8	-	6	1	3	8	-	-	-	1	-	-	-	-
4. Southern England	12	4	-	12	1	2	1	-	-	-	-	-	-	-	-
5. South-west England	23 (1)	17	-	30	2	6	1	-	-	-	-	-	1	-	-
6. Bristol Channel & South Wales	20	7	1	18	4	4	-	-	-	-	-	-	-	-	-
7. Irish Sea	10	6	-	10	2	3	1	-	-	-	-	-	-	-	-
8. Western Scotland	14	5	-	13	2	3	1	-	-	-	-	-	-	-	-
9. Orkney & Shetland Islands	11	2	4	8	1	-	-	-	-	-	-	-	-	-	-
10. Eastern Scotland	15 (1)	3	2	12	2	1	-	-	-	-	1	-	-	-	-
11. UKCS oil & gas installations	452 (30)	-	230	70	74	36	12	-	-	-	-	24	6	-	-
11. UKCS vessels	7 (2)	36	17	6	3	1	14	-	-	-	-	-	1	-	1
Totals	599 (39)	104	255	210	94	64	41	-	-	-	4	24	10	-	1
Percentage of total reports	85	15	36	30	13	9	6	-	-	-	0.6	3.4	1.4	-	0.1

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: Synthetic & oil based mud and related products. 11: 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.

2.6. REPORTED SOURCES OF POLLUTION

- 2.6.1. The revised survey specification required survey data *that facilitate objective assessments of vessel/offshore sourced marine pollution in the UK pollution control zone*. In accordance with above requirement a number of assumptions were made concerning the source of a discharge which could not be attributed to particular vessel, rig, platform or other offshore installation.
- 2.6.2. In the open sea (including the UKCS) all confirmed reports of pollution from unidentified sources were attributed to discharges from vessels. This method of sourcing was based upon the assumption that these discharges did not originate from an unidentified land-based source or wreck.
- 2.6.3. For the remaining marine environmental zones, only confirmed or suspected discharges from vessels and rigs/platforms were included in the database. Hence, all reports of pollution from unidentified sources within these zones were automatically excluded from the annual statistics. In practice, an unidentified number of pollution reports attributed to unknown sources actually originated from vessel discharges. This method of attribution, therefore, under-estimates the true volume of pollution attributed to vessels operating in ports, nearshore waters and the tidal stretches of rivers. The resulting statistics should be interpreted accordingly.
- 2.6.4. The figures in **Table 4** show, for each enumeration area, the numbers of pollution incidents in which a vessel/offshore source was confirmed or simply suspected. From confirmed reports the different types of vessels and installations identified as sources of pollution are identified in **Table 5**.
- 2.6.5. This method of analysis showed that oil and gas installations operating on the UKCS accounted for 64% of all confirmed discharges, 7% less than the previous year. Corresponding statistics for fishing vessels, general cargo vessels, oil & chemical tankers and offshore support vessels were 8%, 6%, 3% and 2% respectively.
- 2.6.6. Comparisons between the 2001 and 2002 statistics showed further marked reductions in the numbers and proportions of oil discharges attributed to tankers and non-tanker vessels operating in the survey area. For tankers, oil discharges declined by 17% compared with 13% for other types of vessels. Moreover, the total of 123 oil discharges attributed to non-tanker vessels operating in all marine environmental zones during 2002 was significantly lower than the 1999-2001 mean annual total of 144 discharges. Likewise, the 15 tanker-source oil discharges reported during 2002 were significantly fewer than the 1999-2001 mean annual total of 25 discharges.

2.7. PROSECUTIONS

- 2.7.1. Details of 3 prosecutions brought by the competent authorities in the United Kingdom for oil pollution offences are summarised in **Table 6**. Another case had not been called at the time of reporting and details will be provided in the

next survey report. During 2001 ten successful prosecutions were concluded for oil pollution offences and the total fines imposed amounted to £52,250.

2.7.2. The MCA prosecuted Freedom Investments of Panama, owners of the Mv *MSC Ariane*, in Southampton Magistrates Court for a breach of the Merchant Shipping (Prevention of Oil Pollution) Regulations 1996. Freedom Investments were fined £100,000 and ordered to pay costs of £4,968 after the vessel was photographed polluting the sea with oil south of Plymouth on 3 July 2002. After an appeal, the fine was reduced to £30,000 after a supervisor from *MSC* explained the circumstances of the oil discharge to the judge (*Lloyd's List*, 12 June 2003) (Refer to area 5 south-west England report).

2.7.3. the DTI brought a successful prosecution following a spill of more than 400 tonnes of crude oil from the pipeline carrying oil between the **Hutton Tension Leg Platform** and **NW Hutton Installation** in October 2000 and the owners, a Kerr-McGee subsidiary, were fined £10,000.

2.8. REPORTING EFFORT

2.8.1. The number of incident reports received from each of 10 reporting organisations is shown in **Table 7**. The total number of reports received and processed was 1,616, approximately 9% more than the previous year, from which 703 separate incidents were subsequently identified and entered into the 2002 database. Follow-up telephone calls and postal or email reminders were again employed to achieve the required response rates.

2.8.2. Approximately 700 oiled seabirds were admitted to the four RSPCA Wildlife Hospitals during 2002. They included guillemots, razorbills, red-throated divers, gannets, great crested grebes, herring gulls, greater black backed gulls and kittiwakes. The total numbers and species of oiled seabirds handled at the 4 centres was within the expected range for a typical year. However, larger numbers than usual were recovered from beaches in eastern and south-eastern England.

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	1 (1)	6	1	1	7 (1)	-	-	1	4
2. Eastern England	-	1	-	-	2 (2)	-	-	-	-
3. Essex & Kent	-	1	-	2 (1)	5	-	-	-	3
4. Southern England	-	1	-	-	4	-	4	-	3
5. South-west England	2 (1)	9	-	-	5	-	4	-	3
6. Bristol Channel & South Wales	-	7	-	4	4	-	3	-	2
7. Irish Sea	3	1	1	1	2	-	-	-	2
8. Western Scotland	-	9	1	-	2	-	1	-	1
9. Orkney & Shetland Islands	-	6	-	4	1	-	-	-	-
10. Eastern Scotland	-	7 (1)	6	-	1	-	1	-	-
11. UKCS oil & gas installations	-	-	-	-	-	452 (30)	-	-	-
11. UKCS vessels	-	1	5 (1)	-	1 (1)	-	-	-	-
Totals	6 (2)	49 (1)	14 (1)	12 (1)	34 (4)	452 (30)	13	1	18

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:** Pleasurecraft. **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 oil

TABLE 6: DETAILS OF PROSECUTIONS BROUGHT BY THE COMPETENT AUTHORITIES IN THE UNITED KINGDOM DURING 2002.

Date and location of incident	Name of vessel or offshore installation and type of pollution	Prosecution brought by	Fine
24 October 2000, UKCS	Hutton TLP pipeline, 400 tonnes crude oil	Department of Trade and Industry	£10,000
19 October 2001 Aberdeen Harbour	Msv Grampian Osprey, 2 litre bunkering spill	Procurator Fiscal	£2,500
July 3 2002, English Channel ^(a)	Mv MSC Ariane, oily water discharge	Maritime & Coastguard Agency	£100,000 ^(b)

(a) Refer to www.mcagency.org.uk/prosecutions/index for further details.

(b) Reduced to £30,000 on appeal

Prosecutions brought under Prevention of Oil Pollution Act 1971, 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

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

Reporting organisation	Total number of reports received
Association of Sea Fisheries Committees	9
British Ports Association	165
Convention of Scottish Local Authorities	14
Department of Trade & Industry	487
Environment Agency	29
Local Government Association	169
Maritime and Coastguard Agency	864
Northern Ireland Environment & Heritage Service	4
Scottish Environment Protection Agency	8
Scottish Society for the Prevention of Cruelty to Animals	14
Grand Total	1,763

SECTION 3

SUMMARY OF LARGER DISCHARGES (2 TONNES OR MORE)

SECTION 3: SUMMARY OF LARGER DISCHARGES (TWO TONNES OR MORE) DURING 2002 (Refer to **Section 4** and **Appendix 1** for further details of each incident).

The figures given below are indicative of the volumes of pollution confirmed in written reports. However, incidents in which significant amounts of beach material were mixed with pollutants, or where the volumes of pollution were not indicated or measured, are not included

- 3.1. South West England 26 August (05-SW/593).** The acid carrier Mct *Bow Eagle* (15,829 gt, built 1984) lost **200 tonnes** of ethyl acetate (UN Number 1173, Category D) following a collision with a French trawler in the English Channel off Start Point. The remaining cargo in a damaged tank was transferred and the tanker was taken in tow by a French supply vessel.
- 3.2. Western Scotland 10 May (08-WS/236).** The Mfv *Radiant* (621 gt, built 2001) sank 96 km west of the Butt of Lewis causing a loss of approximately **60 tonnes** of marine diesel to sea. The vessel was one of the most advanced trawlers in the Scottish fleet and was believed to have keeled over and sank in minutes after her fishing gear snagged on obstacle on the seabed.
- 3.3. North East England 31 October (01-NE/662).** The Mfv *Auriga III* (122 gt, built 1981) sank approximately 70 km due east of Newcastle and **40.9 tonnes** of gas oil leaked from the vents of the vessel. The pollution was later broken up and dispersed by wave action.
- 3.4. UKCS 2 December (11-OG/824).** The *Forties Alpha* installation reported a **25 tonne** spillage of diesel following an overflow from a sea sump. At the time of reporting a team had been established to investigate the incident.
- 3.5. South West England 2 January (05-SW/062).** Approximately **18 tonnes** of heavy fuel oil leaked from the Cyprus-flagged Mct *Willy* (3,070 gt, built 1981) after the vessel was driven ashore in Cawsand Bay from its anchored position on 2 January. The tanker was refloated on 14 January and later drydocked at Falmouth.
- 3.6. UKCS 4 October (11-UKCS/759).** A defective pressure relief valve caused a **15 tonne** spillage of fracture slurry from the Msv *BJ Vestfonn* alongside the Global Santa Fe Monitor installation. The chemical constituents of the slurry were expected to quickly disperse without posing an environmental risk.
- 3.7. UKCS 26 February (11-OG/145).** A hose failure caused a **14 tonne** spillage of lubrication oil from the *Ninian Central* installation. An investigation into the cause of the incident was underway at the time of reporting.
- 3.8. UKCS 24 June (11-UKCS/264).** The wooden-hulled Mfv *Devotion* (47 gt) sank following a collision with another trawler causing a leakage of **9.3 tonnes** of fuel oil.

- 3.9. UKCS 2 September (11-OG/1409).** Approximately **6 tonnes** of denaturated alcohol leaked from a sub sea pipeline into the North Sea near the *Bruce* installation. Operations were stopped to enable the source of the leak to be detected.
- 3.10. North East England 4 November (01-NE/663).** Accidental venting of bunkers caused a **3 tonne** fuel oil discharge from the gas carrier Mv *Clipper Harald* operating between the Ekofisk Oilfield and Teesport.
- 3.11. UKCS 21 January (11-OG/125).** A leaking sump was identified as the cause of a **2.2 tonne** spillage of oil-based mud from the *Tern Alpha* installation. The sump was repaired and the isolation procedure reviewed.
- 3.12. UKCS 10 February (11-OG/132).** Approximately **2.1 tonnes** of oil-based mud were accidentally discharged into the North Sea from the *J W McLean* installation. A marine riser connection failure during a pressure testing exercise was identified as the cause of the spillage. The line was later repaired and tested prior to the commencement of operations.
- 3.13. South West England 23 January (05-SW/065).** The Mv *Lagon Viking* lost overboard a fuel tank containing **2 tonnes** of gas oil. The tank was expected to sink and the contents spill due to a broken pipe.
- 3.14. UKCS 24 February (11-OG/143).** The *Global Producer III* installation reported a spillage of **2 tonnes** of crude oil from the flare system. The plant was later shut down for investigation of the root cause.
- 3.15. Eastern Scotland 4 March (10-ES/105).** The lines of the Mfv *Lomur* (176 gt, built 1988) became tangled causing the vessel to keel over at high tide in Buckie Harbour. Approximately **2 tonnes** of diesel oil leaked from the fishing vessel and was later recovered from the water surface.
- 3.16. UKCS 11 May (11-OG/1315).** The *Sedco 714* installation reported a spillage of **2 tonnes** of base oil following a valve failure. The valve was later isolated and replaced.
- 3.17. UKCS 25 July (11-OG/437).** A failed plastic coupling on a flexible hose caused a **2 tonne** spillage of crude oil from the *Buchan Alpha* installation.
- 3.18. UKCS 1 November (11-OG/794).** Approximately **2 tonnes** of crude emulsion were accidentally discharged from the *Alwyn North* installation following a plant separation plant upset.
- 3.19. Essex and Kent 16 November (03-EK/1218).** An oil sheen measuring 100 km by 100 m, with an estimated volume of **2 tonnes**, was reported in the Dover Strait on 16 November. A sample was taken for analysis but the vessel responsible for the discharge could not be identified.

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 & gas installations and vessels)

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

Twenty-four confirmed vessel-source pollution incidents were identified from 89 questionnaire returns. The scale and intensity of pollution were generally described as minor but three spills were greater than 455 litres. The most frequently identified types of polluting substances were various grades of fuel oils that were attributed to a specific vessel on 19 occasions.

Eleven oil spills and single chemical and palm oil discharges were recorded in the ports and harbours of North-east England during 2002. The Tees and Hartlepool Port Authority and MCA submitted comprehensive accounts of 5 incidents. On 19 February 20 litres of fuel oil overflowed from vent pipes on the Mtanker *Tarnfors* during a tank transfer operation. The Mv *Ravidas* was identified as the source of 20 litre bunkering spill on 22 May. A chemical spill of 20 litres of toluene (U.N. Number 1298, Pollution Category C, Hazard P) was reported by the Mctanker *Dutch Spirit* on 3 July. Another two minor oil spills were recorded at Hartlepool on 22 July and 21 August.

In the Humberside area 5 pollution incidents were recorded at Immingham and the King George Dock at Hull. Hose back pressure whilst pumping bunkers was identified as the cause of a 200 litre motor spirit spill at Immingham's Bulk Terminal on 20 November. In the same location the bunker barge *Rix Merlin* reported a minor tank leakage of gas oil at the Eastern Jetty and the pollution was quickly dispersed. Approximately 150 litres of palm oil were accidentally discharged into the King George Dock from the Mv *Marine Champion* and the cause of the incident was still under investigation at the time of reporting.

A Tier 1 oil spill response was initiated as a precautionary measure at Warkworth Harbour after the Mfv *Star Devine* sank whilst alongside. An absorbent boom was deployed to contain the pollution and the subsequent clean up costs were recovered from the fishing vessel's insurers. An MCA report described a 20 litre diesel spill on 28 November after a crane barge sank in Blyth Harbour.

Three fishing vessels, two gas carriers and a tug were identified as sources of 6 of the 9 oil slicks reported in nearshore waters and the open sea. An accidental 10 litre fuel oil discharge occurred during routine cleaning and venting operations onboard the gas carrier *Happy Eagle* on 21 January. A larger discharge of 3 tonnes of fuel oil was attributed to the gas carrier *Clipper Harald*.

The Stornoway-registered Mfv *Golden Boy II* (48 gt, built 1966) sank 35 km off the Northumberland coast on 14 February (*Lloyd's List*, 18 February). Diesel fuel was observed above the wreck and was later dispersed by wave action. Two weeks later the Mfv *Sarah Thinnesen* (42 gt, built 1972) sank in the North Sea with the loss of 1.8 tonnes of diesel oil (*Lloyd's List*, 1 March). A third fishing vessel, Mfv *Auriga III* (122 gt, built 1981) sank approximately 70 km due east of Newcastle on 31 October (*Lloyd's List*, 4 November). The MCA report noted that 40.9 tonnes of gas oil leaked from the vents of the vessel and was dispersed by wave action. The Mtug *Lady Kathleen* operating in nearshore waters on 13 March reported a 100 litre hydraulic oil

spillage caused by a broken pipe. A minor fuel oil slick observed on the River Aln was later traced to a leaking drum onboard a local fishing vessel.

Scarborough Borough Council described 2 beach pollution incidents. A small quantity of fuel oil was manually removed from a 200m stretch of shoreline in Filey Bay on 16 March. Small oil globules were deposited on beaches between Filey Bay and Whitby during the last 2 weeks of December. Subsequent investigations indicated that the oil probably originated from the same source as that washed ashore along the Lincolnshire coastline during December. The two reports were, therefore, combined as a single incident (Refer to area 2 eastern England report).

4.2. Eastern England (Lincolnshire, Norfolk & Suffolk)

Fewer discharges from shipping were reported in Eastern England waters during 2002 compared with the previous year's total³. Further analysis of the information contained in 56 questionnaire returns, and other reports, identified 13 discharges to the open sea and only a single chemical spill in local ports and harbours. Two shoreline pollution incidents required counter-pollution operations to be undertaken by local authorities.

A damaged container was identified as the source of a one tonne spillage of a corrosive substance (UN 1760) from the Ro-Ro Mv *Tor Minerva* unloading at Felixstowe on 30 March. The spillage was contained by the Emergency Services and a clean-up operation was completed.

Twelve oil slicks and a vegetable oil discharge were reported in the open sea, mostly in the vicinity of the Leman Bank. At least 8 slicks were greater than 1.6 km in length when reported and on ten occasions a source of pollution could not be identified. A 16 km long crude oil slick was reported on 23 March and Atlantic 404 overflowed the area and confirmed the type of oil with an estimated volume of 370 litres. A fisheries patrol aircraft identified a vegetable oil discharge from the Mv *Sea Trust* operating 65 km off Felixstowe on 11 June.

A Dutch naval vessel reported a large oil slick 90 km off Great Yarmouth on 1 October. A recovery vessel was tasked to the area and removed approximately 20 m³ of fuel oil from the water surface. Another two large oil slicks, more than 8 km long, were reported during Atlantic 406 surveillance flights on 5 and 25 November.

Accidental discharges from gas installations operating off Eastern England were included in the statistics for the UKCS (Refer to area 11 UKCS report).

Several questionnaires and reports submitted by local authorities and the MCA referred to a significant oil pollution incident affecting the Norfolk, Suffolk and Essex coastline between 17 November and late December. The pollution initially consisted of 50-90mm globules of black treacle-like tar caught up in bladderwrack seaweed and general flotsam. Subsequently, the tar appeared in a more solid form in 150-200mm pancakes which stood alone at intervals along the tideline.

In accordance with local contingency plans beach clearance commenced by the first weekend after deposits first came ashore and the collected materials were disposed of at local landfill sites. More than 600 birds, including grebes, divers, guillemots and razorbills, were rescued on beaches by the RSPCA and at least 50-60 dead birds were recovered by local authority personnel. At the time of reporting clean-up costs were estimated in the region of £15,000.

Offshore a passing vessel 13 km east of Sizewell Power Station reported sighting of a small amount of oil on 18 November. MCA counter pollution aerial surveillance flights were undertaken throughout the incident and small amounts of oil were seen

³ In addition an EA report described an incident in which drums containing corrosive chemicals were washed ashore between Newport and Gorleston on 15 April.

on the 19, 21 and 27 November. Results from analyses of samples indicated a heavily weathered fuel oil that had been at sea for some time. It was therefore difficult to identify the source of the discharge.

Fuel oil globules were washed ashore along an extensive area of coastline between Lincolnshire and East Yorkshire during December (Refer to area 1 north-east England report). Clean-up operations were undertaken by a number of local authorities and although oil samples indicated the same source of pollution the vessel responsible for the discharge could not be identified.

4.3. Essex and Kent

There were no significant changes in the pollution statistics for 2002 compared with the previous year's. Six discharges were identified in the Strait of Dover and its approaches and an oil sheen was reported in the Outer Thames Estuary. Eight pollution incidents were recorded in local ports and harbours and two local authorities submitted details of beach pollution⁴.

Three of 9 reported discharges in the open sea off Essex and Kent coastline extended for more than 1.6 km. On 21 February a Channel Navigation Information Service (CNIS) aircraft confirmed earlier observations from a passing ship of an oil slick extending for more than 1.6 kms. A passing vessel reported a second large oil slick on 3 March. A third large oil sheen, 100 km by 100m, was reported on 16 November and although a sample was taken for analysis the source of the discharge was not identified. The Mtanker *Odet* discharged a quantity of olive oil in the open sea during a tank cleaning operation on 24 September.

Responses were received from all port and harbour authorities and most submitted nil returns for the year including the Port of London Authority. The Harwich Haven Authority described 4 oil spills attributed to vessels. On 16 March the Mv *Sitra Star* spilt 20 litres of gas oil which was quickly dispersed by wave action. The following day the Mtanker *Rachel B* reported a 5 litre gas oil spillage at the Carless Oil Refinery. A clean-up operation was required on 29 April following a 50 litre diesel spill from a dredger. The fourth spillage was attributed to the Mv *Danica Green* on 10 October and a counter-pollution response was again required.

During July a new oil spill recovery vessel was put into service by the Harwich Haven Authority. The 20 m *Haven Hornbill* is capable of skimming oil from the surface on both sides of the vessel with internal tanks capable of receiving 74,000 litres of recovered oil (*Lloyd's List*, 12 July).

The Environment Agency submitted a report describing a minor diesel spill after the tender *Pixie Queen* sank in the River Thames on 18 September. The vessel was salvaged the following day and the oil was allowed to disperse. A Medway Ports launch was sent to investigate a suspected discharge of bilge oil from a vessel in the Medway Approach Channel on 6 June. The slick was too thin to obtain a sample for analysis and was quickly dispersed by wave and tidal action. The Mfv *Rockhopper* was identified as the source of a diesel spill in Broadstairs Harbour on 16 October.

The Dover Harbour Board submitted comprehensive details of 2 pollution incidents. A flexible hose failure caused a 1.5 tonne spillage of hydraulic oil from a *Hoverspeed* Seacat vessel on 21 August. Absorbent booms and pads were quickly deployed in accordance with the Port Oil Spill Response Plan and consequently 95% of the pollution was contained and later removed from the water surface. The Mv *Dawn Merchant* struck the southern breakwater causing a 50 litre bilge oil discharge on 24 October. A successful clean-up operation was again completed using absorbent pads.

⁴ In addition, a significant quantity of timber was washed ashore along the Kent and Sussex coastline during November.

Shepway District Council submitted details of an incident at Hythe in which a significant quantity of oil covered flotsam was removed from an amenity beach on 29 and 30 September. A similar report from Tendring District Council was found to be part of a larger incident affecting the East Anglian coastline and was, therefore, included in the statistics for this area (Refer to area 2 eastern England report).

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

Fourteen fewer vessel-source discharges were reported during 2002 compared with the previous year.⁵ Improvements were evident across most categories of the pollution statistics including types and volumes of discharges, dimensions or extent of pollution and reported sources. The usual clustering of reported oil slicks in the mid-Channel and eastern Channel areas was not present in the 2002 data. In total 16 incidents were reported across all marine environmental zones, including 12 spills in local ports and harbours. Most discharges involved small quantities of fuel oils and there were no references to any crude oil spills.

Four discharges were reported in the Southampton area during the year. A vehicle's fuel tank was ruptured as it moved over the stern ramp of the RFA *Sir Bedivere* alongside Marchwood on 8 February. Absorbent pads were employed in the clean-up operation. On 3 March the Mv *Cervantes* reported a minor waste oil spillage and the dock area was boomed off and action taken by the oil response team. Two days later the RFA *Sea Centurion* reported a 10 litre heavy fuel oil spillage from an air vent into the sea. A fourth incident occurred on 5 December following an accidental leakage of hydraulic oil from the stern ramp hydraulic pipe of the Mv *Hurst Point* at the Marchwood Military Port Berth.

The MCA submitted details of another 3 minor oil spills in Portland Harbour. The pleasurecraft *Hotlips* was identified as the source of a small diesel spill on 17 August. A vessel sank while tied up in the harbour on 3 September causing a minor leakage of fuel oil. The area was boomed off and a salvage operation was completed the following day. A small patch of bilge oil was observed floating in the inner harbour on 19 September.

An accidental spillage of diesel occurred in Poole Harbour during a transfer operation between 2 pleasurecraft. The Ro-ro ferry Mv *Barfleur* was identified as the source of an accidental 120 litre fuel oil discharge in the same location on 31 December. Another minor fuel oil spill occurred during a bunkering operation at Cowes Harbour on 9 July.

A passing container vessel reported a light oil sheen in the English Channel which was later dispersed by wave action. A fishing vessel operating off Newhaven encountered a drum containing used engine oil. A small amount was spilled during the recovery operation and the pollution was broken up and dispersed by wave action.

⁵ In addition a 20ft container was washed ashore on 5 February west of Bognor Pier which spilled 35 rolls of print paper. The container was lost overboard on 2 February from the Mv *Aburdees* (*Lloyd's List*, 7 February).

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

The geographical distribution of pollution reports was similar to previous years with most incidents identified in southern ports, bays, estuaries, beaches and nearshore waters of the south-west peninsula. Forty polluting discharges were recorded by reporting organisations, eight more than the previous year. Various grades of fuel oils were again the most frequently reported types of polluting discharges and most were classified as minor spills⁶.

Vessel-casualty spills were again a significant component of the annual statistics accounting for 11 of the incidents reported during 2002. Approximately 18 tonnes of heavy fuel oil leaked from the Cyprus-flagged Mct *Willy* (3,070 gt, built 1981) after the vessel was driven ashore in Cawsand Bay from its anchored position on 2 January. The vessel was in ballast but the tanks were not gas free following discharge of a cargo of 5,000 tonnes of unleaded petroleum. The authorities were concerned over the possibility of an explosion caused by fumes in the empty cargo tanks and, therefore, an exclusion zone was imposed around the vessel. Fuel bunkers were holed, the engine room flooded, and 11 of 12 cargo tanks ruptured. A light sheen of oil extended for approximately 1 km from the vessel and some brown patches of oil were sighted washing up on the shore.

During an 11-day salvage and counter-pollution operation absorbent booms were deployed around the vessel, surface oil from the engine room and remaining bunker oil was pumped into holding tanks on a Ministry of Defence sullage barge, MCA pollution control aircraft made regular flights over the site, beach-cleaning specialists placed on standby in the event of any spillages and frequent shoreline monitoring carried out to detect any adverse environmental effects of pollution. The tanker was eventually refloated on 14 January and was later drydocked at Falmouth (*Lloyd's List*, 3, 4, 7, 8, 10, 11, 14, 15, 21 & 26 January; 12 February). The Mfv *Charlotte* capsized and sank at Fowey on 23 January causing a minor diesel oil spillage.

The Maltese registered Mv *Kodima* (6,395 gt, built 1989) grounded in Whitsand Bay in east Cornwall on 2 February. Her deck cargo of timber shifted in heavy weather resulting in the vessel taking on a heavy list. At least 8,000 m³ of timber was washed overboard and subsequently came ashore. A minor quantity of fuel oil and engine room washings were lost to sea forming a silvery sheen extending from the bow of the

⁶ In addition there were two reports of jettisoned or lost cargoes washed ashore on local beaches. Torbay Council noted that a significant proportion of 1,500 cubic metres of a timber deck cargo jettisoned from the Mv *Bothnia Stone* to correct a dangerous list off Start Point was subsequently washed ashore at Meadfoot Beach on 26 & 27 October. Most was removed for domestic purposes by local residents (*Lloyd's List*, 28 October).

The EA, Cornwall County Council and Kerrier District Council submitted details describing an incident in which 30,000 x 550ml sachets of Kimberley Clarke handcleanser were washed onto some beaches in southern Cornwall during the first week of November. Clean-ups were undertaken by local authorities and Kimberley Clarke with the assistance of the general public. The source of the sachets was believed to have been a box container washed overboard from a vessel during bad weather several weeks earlier.

double hulled ice-class vessel. Regular surveillance flights indicated that the oil was quickly broken up and dispersed by wave action. The salvage operation was successfully concluded on 16 February when the vessel was refloated and taken in tow to Falmouth. A major clean-up operation was undertaken by contractors to collect and remove the timber to a local pulp mill (*Lloyd's List*, 2, 3, 5, 6, 7, 8, 11,14, 17, & 18 February).

The EA, MCA and Cornwall County Council submitted four reports attributing minor diesel spills to sunken boats at Teignmouth, Looe, Dartmouth and Saltash between March and August. The Mct *Bow Eagle* (15,829 gt, built 1984) lost 200 tonnes of ethyl acetate (UN Number 1173, Category D) in the English Channel off Start Point on 26 August. The acid carrier collided with a trawler causing damage to the forepeak and rupturing a wing tank. The remaining cargo in the damaged tank was transferred and the tanker was taken in tow by a French supply vessel (*Lloyd's List*, 28 August 2202; 5 & 6 March 2003).

On 21 September the Mfv *Jacoba* (270 gt, built 1975) grounded in Lamorna Cove damaging a fuel tank. A small quantity of diesel leaked from the damaged tank and was later dispersed by wave action (*Lloyd's List*, 24 September). The following day the Mfv *Congener* sank while under tow causing a minor spillage of gas oil (*Lloyd's List*, 23 & 24 September). Booms and absorbent pads were employed to recover a small quantity of diesel oil after the Mfv *Soft Shadow* sank at Truro on 1 October.

Excluding vessel-casualty spills, incidents were also reported in the ports and harbours at Brixham, Devonport, Fowey, Salcombe, St. Helier, Sutton and Tor Bay. A council workboat was employed to break up a small patch of diesel oil in Brixham Harbour on 21 May. A Royal Navy vessel, *HMS Campeltown*, was identified as the source of a 500 litre diesel spill in Devonport dockyard on 4 January. Leisure craft pumping bilges or refuelling were believed to have been the source of six surface sheens reported by the Fowey Harbour Commissioners and Cornwall County Council. On each occasion the sheens were broken up by a patrol boat towing an absorbent boom.

Pollution prevention advice and a warning were issued by the EA to the owners of the Mfv *Starlight* following a fuel oil discharge at Salcombe on 11 January. A council workboat reported a diesel spill at Corbyn Head on 6 August and a minor hydraulic oil spillage at Tor Bay was quickly broken up by wave action. The Sutton Harbour Company reported two fuel spills of 75 litres and 300 litres from fishing vessels on 8 and 19 December respectively. The discharges occurred in a closed dock area and clean-up operations were carried out on each occasion.

Oil mixed with flotsam was washed ashore in varying quantities along the southern coastline of Cornwall and Devon during November and December. Kerrier and Caradon District Councils in Cornwall organised clearance operations to remove small lumps of weathered oil from some local amenity beaches. A Teignbridge District Council report referred to small pellets washed ashore following an illegal discharge of oil by a passing vessel.

Several generally light sheens were identified by passing ships and aircraft in nearshore waters and in the open sea. The Mv *Lagon Viking* lost overboard a fuel

tank containing 2 tonnes of gas oil on 23 January. The tank was expected to sink and the contents spill due to a broken pipe. An oil slick extending for 7 km was observed trailing in the wake of the Mfv *Dever Armor* operating more than 80 km to the west of Lundy Island. Similarly, a slick extending for 38km in the wake of a car carrier was reported during an Atlantic 406 surveillance flight.

A fixed wing aircraft and a military helicopter photographed the Mv *MSC Ariane* (10,837 gt, built 1970) trailing an oil slick approximately 40 miles south of Plymouth on 3 July. The vessel was inspected on arrival at its next port of Antwerp. On 13 March 2003 the MCA prosecuted the owners of the vessel, Freedom Investments of Panama, for a breach of the Merchant Shipping (Prevention of Oil Pollution Regulations) 1996. Freedom Investments were fined £100,000 and ordered to pay costs of £4,968 (*Lloyd's List*, 14 March 2003).

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

The total number of discharges reported in this enumeration area increased from 24 during 2001 to 27 during 2002. Comparisons between the two annual data sets showed few differences between the characteristics of the reported incidents. Most questionnaire returns again referred to accidental discharges of generally small quantities of fuel oils from fishing vessels or pleasurecraft in ports. Clean-up operations were generally completed and there were no references to any legal proceedings initiated against alleged offenders in the 2002 data.

The Milford Haven Port Authority (MHPA) submitted detailed accounts of 14 incidents at various locations including Milford Dock, Milford Haven Waterway and the Neyland Marina. There were 10 references to diesel and 4 references to other types of oil. The median estimated volume of discharges was 4.5 litres compared with 12.5 litres from 16 spills reported during 2001. The estimated volumes of reported discharges ranged from 1 litre and 450 litres compared with 0.25 litres and 183 litres during the previous year. Clean-up operations were completed under the supervision of the MHPA and no prosecutions were concluded during the year.

Approximately 12 litres of diesel oil were spilt from the Mfv *Flamingo* during a bunkering operation on 26 March and absorbent pads were employed in the clean-up operation. Another accident during a bunkering operation resulted in a 23 litre diesel spillage from the Mfv *Port of Ayr* on 31 March. MHPA and Pembrokeshire County Council reports described a 450 litre diesel oil discharge from the Mfv *Do Bounty* on 4 September. The incident occurred during an internal bunker oil transfer and a prompt counter-pollution response ensured that all the pollution was removed from the water surface. The Mfv *Persorsa Uno* was identified as the source of two diesel spillages which occurred on 7 and 9 October.

Elsewhere, oil spills in ports or harbours were recorded at Avonmouth, Bristol, Fishguard and Sharpness. The Bristol Port Company reported a minor discharge of lubrication oil from the Mv *Arno* at the Royal Portbury Dock. A pleasurecraft broke its moorings off Fishguard breakwater causing a 20 litre fuel oil spill on 27 April. The Mtanker *Breaksea* was identified as the source of a small bilge oil discharge at Avonmouth Docks and the owners of the tanker were invoiced for the clean-up costs. Three swans were rescued and cleaned following a minor spill at the Bristol City docks on 19 June. A Pembrokeshire County Council report noted that a Tier 2 counter-pollution response was required after a broken pipe caused a 100 litre hydraulic oil discharge from the high speed ferry *Stena Lynx* in Fishguard Harbour.

Small spots of oil were washed ashore with dead oiled birds along a 1 km stretch of shoreline at Rhossili during the first week of June. Samples of oil were taken by the EA and no further details of the incident were available at the time of reporting. A few days later a local boat was identified as the source of small patch of diesel oil was observed near Porthcawl Pier.

A pinhole in a plate or weld caused minor leakage of crude oil from the Mtanker *Magnitude* (54,963 gt, built 1992) off Milford Haven on 25 November. An internal

cargo transfer was undertaken as a precautionary measure and MCA surveillance flights indicated no further leakage of oil from the tanker (*Lloyd's List*, 26 & 27 November).

4.7. Irish Sea (Cardiganshire, Gwynedd, Anglesey, Aberconwy & Colwyn, Denbighshire, Flintshire, Merseyside, Lancashire, Cumbria, Isle of Man and all Districts of Northern Ireland).

Fewer reports of discharges from vessels operating in the Irish Sea were largely responsible for the improved pollution statistics in this area during 2002. Following analysis of 70 questionnaire returns 16 pollution incidents were identified compared with 23 during 2001. Most reports referred to small fuel oil spills from vessels in local ports and estuaries and clean-up operations were generally completed. Accidental spills from oil and gas installations operating in Morecambe Bay were included in the statistics for the UKCS (Refer area 11 UKCS report).

During 2002 there were no reports of any pollution incidents occurring in Cardigan Bay. Three questionnaires completed by Stena Line Ports referred to minor incidents in Holyhead Harbour. A 23 litre spillage of fuel oil during a bunkering operation was attributed to a ro-ro ferry. A similar quantity of diesel leaked from the wreck of a workboat on 8 October. Absorbent booms were employed in a clean-up operation following a 100 litre diesel spillage on 27 November.

Reporting organisations recorded 6 incidents in the Liverpool Bay and Mersey Estuary areas during the year. A failure of a steam heating pipe in a tank was identified as the cause of an accidental sludge discharge from the Mctanker *Solt Puffin* while alongside a berth at Ince. A bubble barrier effectively contained the pollution and all relevant agencies were notified immediately. Wier skimmer and vacuum tanker vehicles were employed in the clean-up operation which recovered all the sludge for disposal ashore. The Msv *Putford Ajax* was identified as the source of a 150 litre diesel spillage in the Alexander Dock 3 at Liverpool on 27 August.

The Manchester Ship Canal Company described a minor spillage of hydraulic oil from the Mctanker *Stolt Fulmar* at Partington. Absorbent booms were used to contain and recover the oil. A further 100 litres of hydraulic oil leaked from stern door hydraulic rams onboard the ro-ro Mv *Atlantic Companion* berthed in Seaforth Dock. In Liverpool Bay a light sheen was reported to the north of the Ensco 85 installation on 17 November and a passing vessel was identified as the source.

The Northern Ireland Environment and Heritage Service submitted details of 3 vessel-source discharges. The mussel dredger Mfv *Charisma* sank in Carlingford Lough causing a minor spillage of diesel on 30 January. The oil was rapidly broken down and dispersed by wave action. The Mtanker *Fisher* was identified as the source of an accidental diesel discharge at Londonderry. An unidentified vessel was responsible for a 200 litre spillage of heavy fuel oil in the same location on 19 June. A shore clean up operation was required and oil samples taken.

Three diesel oil sheens were observed in the North Channel during the year. All were minor in nature and were broken up and dispersed by wave action. The research vessel *Roagan* was the source of 10 litre diesel spill in Ramsey Old Harbour.

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

The total number of vessel-source pollution incidents reported in Western Scotland declined from 39 during 2001 to 19 during 2002. Improvements in the annual statistics were evident across all data fields, especially those relating to fuel oil discharges from fishing vessels in ports. The characteristics of the current incidents were typical for this area involving a few large vessel-casualty spills combined with a larger number of accidental fuel oil discharges during bunkering operations in ports and harbours.

Reporting organisations identified at least four oil pollution incidents attributed to vessel-casualties. The Western Isles Council and MCA submitted details of a 1.5 tonne spillage of diesel from the Mfv *Astronaut* (21 gt, built 1970) which took on water and sank near the entrance to Loch Shell on 9 February (*Lloyd's List*, 11 February). The pleasurecraft *Put Put* (ex ships lifeboat) ran aground and broke up off the Isle of Cumbrae causing a 205 litre spillage of diesel oil. Some of the pollution was sighted on a beach 200 m from the wreck.

The Mfv *Radiant* (621 gt, built 2001) sank 96 km west of the Butt of Lewis in 600 m of water on 10 May and approximately 60 tonnes of marine diesel were lost to sea. The vessel was one of the most advanced trawlers in the Scottish fleet and was believed to have heeled over and sank in minutes after fishing gear snagged an obstacle on the seabed (*Lloyd's List*, 12 & 15 April). Another fishing vessel, the Mfv *Kate Elizabeth*, keeled over in Portree Harbour. Almost 150 litres of diesel mixed with heavy bilge oil was recovered in the clean-up operation.

Port and harbour authorities recorded 11 oil spills at Clydeport, Kinlochbervie, Lochinver and Oban. Fishing vessels engaged in bunkering operations were the most frequently reported sources and circumstances of these incidents. The estimated volumes of spills ranged between 5 and 400 litres and clean-up operations were usually completed.

A report compiled by the MCA referred to a 250 litre bunkering spill from the Mfv *Jean Le Clerc* (268 gt, built 1974) at Lochinver on 30 January. Booms and absorbent matting were used in the clean-up operation (*Lloyd's List*, 31 January). Examination of previous annual reports revealed four bunkering spills attributed to a fishing vessel with the same name in Lochinver Harbour during 2000 and 2001, with additional incidents reported at Goat Island on 5 November 2001 and Ayr & Troon on 16 October 1999. There were no references to any prosecutions following the incidents reported between 1999 and 2002.

MCA reports described 4 further bunkering spills in Lochinver Harbour and clean-ups were undertaken after each. Six booms and absorbent mats were deployed at Kinlochbervie following a 100 litre bunkering spill from the Mfv *Carina*. Clydeport Operations submitted details of 2 minor incidents. A hose coupling came adrift causing a discharge of waste oil at the Hunterston Jetty on 22 June. A light sheen from a passing vessel was reported in Oban Bay on 6 August.

Eleswhere, *HMS Atherstone* accidentally discharged 10 litres of lubrication oil from an anchor windlass on 24 January. A broken pipe to a lubricating oil cooler caused a 5 litre spillage of lubrication oil from the ro-ro Mv *Muirneag* (5,801 gt, built 1979) in the North Minch on 15 November (*Lloyd's List*, 18 November).

4.9. Orkney and Shetland Islands.

Against the national trend an additional 8 oil pollution incidents were reported during 2002. The statistics indicated that the increased pollution was due primarily to more frequent oil discharges from vessels and oil tankers in ports and harbours. Most incidents, however, were classified as minor and the appropriate preventive and remedial actions were taken by all parties to avoid any damage to local wildlife or other natural resources.

The Lerwick Port Authority submitted details of 4 accidental oil spills during the year. The largest, 1 tonne of diesel, was attributed to the Mfv *Research* and all clean-up costs were met by the owners of the vessel. Another 3 minor diesel spills from fishing vessels were recorded during April, July and August and a clean-up operation was completed on each occasion.

Details of 2 incidents at the Sullom Voe Oil Terminal were submitted by the Shetland Islands Council. A defective stern gland caused a small leakage of lubrication oil from the Mtanker *New World* on 12 February. The sheens were broken up and dispersed by propeller action of pollution response craft. A light sheen of oil was found around the Liberian flag Mtanker *Geres* (139,753 dwt) on 7 May. As a precautionary measure the loading of Schiehallion oil was suspended while inspections were carried out. The seepage was caused by a crack in a bulkhead leading to contamination of ballast water. Repairs were carried out at Gulber Wick and the tanker was examined by the classification society Det Norske Veritas (*Lloyd's List*, 14 & 23 May).

The Orkney Harbours Department provided reports of 6 accidental oil spillages. Almost 100 litres of diesel oil leaked out of the tanks of the Mfv *Silver Star* after the salmon boat sank at Westray on 2 February. The Mtanker *Petrotrym* (80,745 dwt, built 1987) had a small oil spill whilst purging her cargo lines with inert gas in Scapa Flow. The sheen was broken and dispersed by propeller action and further inspections of the area revealed no further signs of pollution. A small diesel spill was attributed to the Mv *Hoy Head* at the Houton Ferry Terminal on 10 May.

A small crack in a side cargo tank of the Mtanker *Prospect* (58,078 gt, built 1992) caused a 200 litre leakage of crude oil at the Flotta Oil Terminal on 13 May. The Orkney's Oil Spill Contingency Plan was put into action and booms were placed against the side of the tanker to prevent any further escape of oil into the sea. Oil sheens were broken up and dispersed and the tanker's cargo was transferred to another vessel. Following inspection by surveyors the vessel sailed for Rotterdam for repairs (*Lloyd's List*, 15 & 16 May).

Several long stretches of oil sheen were sighted in the Pentland Firth on 8 May. Atlantic 404 was tasked to the area and an oil sample was taken by a Custom's vessel. The following day oiled seabirds were observed off Stroma and Duncansby Head and on local beaches. On 27 August a patrol aircraft observed a fuel oil sheen trailing in the wake of the Mfv *Antares* for a distance of more than 9 km.

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).

Analysis of the Eastern Scotland statistics for 2002 showed four fewer confirmed incidents compared with the total for the previous year. Reporting organisations identified 17 oil spills and a single fish oil discharge from vessels. The resulting pollution was recorded in all marine environmental zones but primarily in ports and harbours. At least 7 spills were attributed to fishing vessels and 6 spills to support vessels and fuel oils were again the most frequently reported polluting substances.

Moray Council and MCA reports described a 2 tonne spillage of fuel oil from the Mfv *Lomur* (176 gt, built 1988) in Buckie Harbour on 4 March. Booms were placed around the vessel and all pollution was removed from the water surface. Investigators believed that the vessel's lines became tangled causing her to keel over at high tide. Heavy cranes were used to right the trawler the following day (*Lloyd's List*, 6 & 8 March). A further minor fuel oil spill was attributed to the same vessel, but under different ownership, at Buckie on 7 September.

Five oil pollution incidents were reported in Peterhead Harbour and these were attributed to 3 fishing vessels and two supply vessels. The spills ranged in volume from 10 to 455 litres and a clean-up operation was completed on each occasion. The hull of the Mfv *Elegance* (357 gt, built 1998) was punctured by sonar equipment causing an ingress of water. The vessel sank causing a minor leakage of fuel oil (*Lloyd's List*, 6 & 27 March). Aberdeenshire Council and MCA reports described a 455 litre bunkering spill from the Mfv *Starlight* on 15 August. A further 100 litres of diesel were spilt from the Msv *Toisa Invincible* on 16 January.

Aberdeen Harbour Board submitted accounts of 4 oil spills from 3 supply vessels and a general cargo vessel. Booms were deployed to contain and remove the oil from the water surface on each occasion. A cracked ballast pipe in a fuel tank caused a 100 litre diesel spillage from the from the Msv *Northern Seeker* (1,378 gt, built 1975) on 8 January (*Lloyd's List*, 10 January). A split bunker hose caused another smaller diesel spill from the Msv *Northern Viking* on 16 June.

Elsewhere, a minor quantity of lubrication oil was observed on the shore near Nigg Ferry Pier on 14 January. A fish oil sheen was reported off Aberdeen Harbour on 18 January. An illegal tank washing discharge from a passing tanker was believed to have been the source of a crude oil sheen observed in the same area on 30 April.

Scottish Borders Council and MCA reports referred to a 455 litre diesel spill from the Mfv *Sea Breeze*. The fishing vessel sank following a collision with another vessel on 14 August. The yacht *Early Light* impaled itself on a piling in the River Ythan off Newburgh causing a minor leakage of diesel.

4.11. United Kingdom Continental Shelf

The pollution statistics for this enumeration area were compiled from POLREP reports submitted by the MCA and PON1 reports submitted by the Department of Trade and Industry (DTI). Following a request from the DTI separate data sets have been presented for accidental discharges attributed to offshore oil & gas installations and all discharges from vessels operating within the UKCS area (Refer to **Figure 1**).

Oil and gas installations.

A total of 452 incidents, 33 more than the previous year, was attributed to offshore oil & gas installations including those operating in the west Shetland Basin, Liverpool Bay and off the coast of eastern England. The total included 422 accidental oil discharges and 30 discharges of other substances including denaturated alcohol demulsifiers, methanol and oil-based mud.

Details of each incident are listed in **Appendix 1** (enumeration area 11). Additional information is provided in **Section 2** for 9 discharges of 2 tonnes or more and statistics are also available on the DTI's website: www.dti.gov.uk.

The PON1 reports indicated that remedial actions were taken by operators following most accidental discharges. The responses included identification of root causes of spills, changes in operating procedures, recommendations concerning preventative actions and carrying out any necessary repairs and modifications to equipment.

The distribution pattern for estimated volumes of discharges, when known, was again markedly skewed with 91% less than 455 litres. Individual values ranged from 0.0004 litres to 25 tonnes. Analysis of oil types showed 55% of reported discharges were crude oils followed by 18% for lubrication and hydraulic oils and 17% for fuel oils.

Offshore operators also reported 23 discharges of oil-based mud and 6 chemical spills. The chemical incidents occurred at the *ETAP*, *Captain WPP*, *Enesco 72*, *Loggs* and *Bruce* installations.

Vessels⁷

Another 43 discharges were attributed to vessels operating within the UKCS enumeration area. The largest category comprised 36 reports of *patches of crude or fuel oils* sighted from offshore installations or standby vessels but attributed to unidentified passing vessels. The estimated volumes ranged from 0.08 to 900 litres with a median value of 35 litres. In each case it was assumed that the pollution dispersed naturally without posing a threat to wildlife or the coastline.

The remaining 7 discharges were attributed to a fishing vessel, a merchant ship and five supply vessels. A 9.3 tonne fuel oil spill occurred on 24 June after the wooden-hulled Mfv *Devotion* (47 gt) sank following a collision with another trawler (*Lloyd's*

⁷ Previous years statistics for UK Continental Shelf record unattributable spills as having come from vessels. 2002 statistics showed 36 such discharges. This figure will be monitored. If there is a continuing increase in the number being reported this position will be reviewed.

List, 25 June). A surveillance aircraft reported sighting a discharge of an unidentified substance from the Mv *Afrika* operating off Shetland on 18 November.

The Msv *Maersk Fetcher* and Msv *Swift I* were each responsible for 100 litre fuel oil spills during bunkering operations on 25 June and 9 July respectively. Whilst the Msv *Vestfonn* was alongside the Global Santa Fe Monitor installation a pressure relief valve failed causing a 15 tonne spillage of fracture slurry into the sea. The chemical constituents of the slurry were expected to disperse naturally without posing an environmental risk.

SECTION 5

**QUALITY ASSURANCE PROGRAMME AND
ACKNOWLEDGEMENTS**

SECTION 5: QUALITY ASSURANCE PLAN AND ACKNOWLEDGEMENTS

Quality Assurance Programme

As part of a comprehensive quality assurance plan data verification procedures were again applied at all stages during the 2002 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 the DTI and MCA describing most accidental discharges from oil and gas installations operating on the UKCS. For the remaining discharges from vessels 30% of individual incident reports were compiled from questionnaire returns submitted by two or more reporting organisations.

Acknowledgements

The Committee is again grateful to the following public agencies and other organisations and their members for their contributions to the survey:

Association of Sea Fisheries Committees
British Ports Association
Convention of Scottish Local Authorities
Department of Trade and Industry
Environment Agency
Local Government Association
Maritime & Coastguard Agency's Counter Pollution Branch
Northern Ireland Environment and Heritage Service
Royal Society for the Prevention of Cruelty to Animals
Scottish Environment Protection Agency
Scottish Societies for the Prevention of Cruelty to Animals

APPENDIX ONE
SUMMARY OF REPORTED INCIDENTS

Key to types of vessels

Mct Chemical tanker

Mfv Fishing vessel

Msv Offshore support vessel

Mt Oil tanker

Mv General cargo vessel

Pc Pleasure craft

RFA Royal Fleet auxilliary vessel

Ro-ro Roll-on roll-off ferry

1: NORTH-EAST ENGLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
NE/002	15-Jan	54-09N: 00-18E	Oil	Light	Nk	Unidentified vessel	Light sheen dispersed by wave action.
NE/003	21-Jan	53-35N: 00-22E	Oil	Fuel	10 litres	Mv Happy Eagle	Accidental spillage.
NE/006	14-Feb	55-27N: 00-57W	Oil	Fuel	Nk	Mfv Golden Boy II	Vessel sank.
NE/008	19-Feb	Teesport	Oil	Gas	20 litres	Mt Tarnfors	Overflow via vent pipes.
NE/013	28-Feb	54-28N: 00-28W	Oil	Gas	1.82 tonnes	Mfv Sarah Thinnesen	Vessel sank.
NE/015	13-Mar	53-37N: 00-09W	Oil	Hydraulic	100 litres	Mtug Lady Kathleen	Accidental spillage from broken pipe.
NE/1200	16-Mar	Filey Bay	Oil	Fuel	Nk	Unidentified vessel.	200m of shoreline cleaned.
NE/180	02-May	King George Dock	Other	Palm	150 litres	Mv Marine Champion	Cause under investigation.
NE/1267	18-May	Amble Harbour	Oil	Fuel	Nk	Fishing vessel	Vessel sank in harbour.
NE/853	21-May	Warkworth	Oil	Bilge	20 litres	Mfv Star Devine	Vessel sank and clean-up completed.
NE/183	27-May	Teesport	Oil	Gas	20 litres	Mv Ravidas	Bunkering spill.
NE/1150	03-Jul	Teesport	Chemical	Toluene (UN 1294)	20 litres	Mct Dutch Spirit	Natural dispersion.
NE/1149	22-Jul	Hartlepool	Oil	Diesel	30 litres	Mv Seway Commander	Natural dispersion.
NE/538	21-Aug	Hartlepool Marina	Oil	Fuel	0.9 litres	Unidentified vessel	Suspected bilge pumpings.
NE/544	11-Sep	53-37N: 00-47E	Oil	Hydraulic	30 litres	Msv Northern Admiral	Leakage from Rov.
NE/545	13-Sep	Immingham	Oil	Gas	1.4 litres	Mbarge Rix Merlin	Leakage from tank.
NE/546	19-Sep	53-42N: 01-09E	Oil	Fuel	Nk	Unidentified wreck	Thin oily sheen above wreck site.
NE/1263	30-Sep	Hull	Oil	Fuel	90 litres	Mv Laneham	Accidental bilge discharge.
NE/654	05-Oct	Alnmouth	Oil	Fuel	1 litre	Mfv Marean	Spillage from drum on vessel.
NE/656	11-Oct	King George Dock	Oil	Slops	Nk	Mv George Oldendorf	Spillage during slops transfer.
NE/662	31-Oct	55-02N: 00-15W	Oil	Gas	40.9 tonnes	Mfv Auriga III	Vessel sank, bunkers leaking from vents.
NE/663	04-Nov	54-39N: 01-09W	Oil	Fuel	3 tonnes	Mv Clipper Harald	Accidental venting of bunkers.
NE/666	20-Nov	Immingham	Oil	Motor spirit	200 litres	Mv Rix Kestrel	Bunkering spill.
NE/669	28-Nov	Blyth Harbour	Oil	Fuel	20 litres	Crane Barge	Barge sank in harbour.

2: EASTERN ENGLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EE/018	08-Jan	53-32N: 01-00W	Oil	Fuel	0.06 litres	Unidentified vessel	Silvery sheen,dispersed by wave action.
EE/1280	19-Feb	53-27N: 02-20E	Oil	Emulsion	Nk	Unidentified vessel	Reported by Viking Bravo installation.
EE/025	23-Mar	53-03N: 01-41E	Oil	Crude	370 litres	Unidentified vessel	Slick 16 x 2 km, confirmed MCA aircraft..
EE/028	27-Mar	53-25N: 01-57E	Oil	Fuel	Nk	Unidentified vessel	Light sheen 6km long, later dispersed.
EE/023	30-Mar	Felixstowe	Chemical	UN 1760	1 tonne	Ro-ro Mv Tor Minerva	Corrosive liquid spilt from damaged container.
EE/196	14-May	53-15N: 01-17E	Oil	Fuel	Nk	Unidentified vessel.	Slick 2 x 0.2 km, later dispersed.
EE/198	29-May	53-12N: 01-32E	Oil	Nk	Nk	Unidentified vessel	Unidentified oily substance.
EE/201	11-Jun	52-02N: 02-29E	Other	Vegetable oil	Nk	Mv Sea Trust	Discharge identified by fisheries patrol aircraft.
EE/674	01-Oct	52-37N: 03-15E	Oil	Fuel	Nk	Unidentified vessel	Pollution cleaned up by oil recovery vessel.
EE/676	05-Nov	52-16N: 01-56E	Oil	Washings	Nk	Unidentified vessel	Slick reported Atlantic 406.
EE/678	16-Nov	53-30N: 00-24E	Oil	Bilge	Nk	Mfv La Belle Lienne	Bilge pumpings.
EE/668	25-Nov	53-31N: 01-48E	Oil	Fuel	Nk	Unidentified vessel	Slick reported Atlantic 406.
EE/679	Nov/Dec	Norfolk,Suffolk,Essex	Oil	Fuel	Nk	Unidentified vessel	Clean-up completed with offshore surveillance.
EE/684	04-Dec	53-11N: 02-18E	Oil	Nk	Nk	Unidentified vessel	Light sheen later dispersed.
EE/686	11-Dec	Lincs & East Yorkshire	Oil	Fuel	Nk	Unidentified vessel	Oil globules removed in clean-up operations.
EE/687	20-Dec	52-57N: 01-23E	Oil	Gas	Nk	Unidentified vessel	Light sheen.

3: ESSEX AND KENT							
Reference	Date	Location	Category	Type	Amount	Source	Comments
EK/040	21-Feb	51-21N: 01-56E	Oil	Nk	Nk	Unidentified vessel	More than 1.6 km in extent.
EK/024	08-Mar	51-35N: 01-40E	Oil	Nk	Nk	Unidentified vessel	More than 1.6 km in extent.
EK/881	16-Mar	Harwich Dock	Oil	Gas	20 litres	Mv Sitra Star	Pollution dispersed naturally.
EK/882	17-Mar	Carless Refinery	Oil	Gas	5 litres	Mt Rachel B	Pollution dispersed naturally.
EK/884	29-Apr	Navyard, Harwich	Oil	Diesel	50 litres	Mdredger Sospan Dan	Clean-up completed.
EK/1231	19-May	51-02N: 01-23E	Oil	Nk	Nk	Mv Norma	Pollution dispersed naturally.
EK/1229	04-Jun	50-56N: 01-11E	Oil	Nk	Nk	Unidentified vessel	Pollution dispersed naturally.
EK/1240	06-Jun	51-28N: 00-49E	Oil	Bilge	Nk	Unidentified vessel	Pollution dispersed naturally.
EK/1155	21-Aug	Dover Harbour	Oil	Hydraulic	1.5 tonnes	Seacat	Clean-up completed.
EK/1225	24-Aug	51-54N: 02-05E	Oil	Nk	Nk	Unidentified vessel	Pollution dispersed naturally.
EK/1241	18-Sep	River Thames	Oil	Diesel	Nk	Tender Pixie Queen	Tender sank and later salvaged.
EK/1223	24-Sep	51-29N: 01-43E	Other	Olive oil	Nk	Mt Odet	Discharge from tank washings.
EK/886	29-Sep	Hythe	Oil	Lumps	Nk	Unidentified vessel	Clean-up completed.
EK/887	10-Oct	Navyard, Harwich	Oil	Gas	15 litres	Mv Danica Green	Clean-up completed.
EK/1221	16-Oct	Broadstairs	Oil	Diesel	Nk	Mfv Rockhopper	Pollution dispersed naturally.
EK/1154	24-Oct	Dover Harbour	Oil	Bilge	50 litres	Mv Dawn Merchant	Clean-up completed.
EK/1218	16-Nov	50-51N: 01-03E	Oil	Nk	2 tonnes	Unidentified vessel	Slick extended for at least 100 km.
EK/1217	07-Dec	50-52N: 01-12E	Oil	Nk	Nk	Unidentified vessel	Pollution dispersed naturally.
EK/1216	20-Dec	51-21N: 01-47E	Oil	Nk	Nk	Mv Tricolour	Pollution dispersed naturally.

4: SOUTHERN ENGLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
SE/044	10-Jan	50-02N: 02-35W	Oil	Light	Nk	Unidentified vessel	Slick 1.6 km long, dispersed naturally.
SE/046	22-Jan	50-47N: 00-35W	Oil	Tar	Nk	Unidentified vessels	Oil and seabirds washed ashore.
SE/047	25-Jan	50-45N: 00-01E	Oil	Fuel	4.5 litres	Mfv Golden October	Spillage during recovery drums filled engine oil.
SE/052	29-Jan	Portsmouth	Oil	Fuel	100 litres	HMS Chiddingfold	Clean-up completed.
SE/056	08-Feb	Southampton	Oil	Diesel	Nk	RFA Sir Bedivere	Clean-up completed.
SE/059	03-Mar	Southampton	Oil	Waste	Nk	Mv Cervantes	Clean-up completed.
SE/060	05-Mar	Southampton	Oil	Fuel	10 litres	RFA Sea Centurion	Clean-up completed.
SE/906	22-Mar	Poole Harbour	Oil	Diesel	50 litres	Pleasurecraft	Clean-up completed.
SE/1160	17-Apr	Poole Harbour	Oil	Diesel	Nk	Pleasurecraft	Clean-up completed.
SE/1228	12-Jun	50-36N: 00-30E	Oil	Fuel	Nk	Unidentified vessel	Dispersed naturally.
SE/909	09-Jul	Cowes Harbour	Oil	Diesel	10 litres	Pc La Rochelle II	Bilge discharge during bunkering operation.
SE/589	17-Aug	Portland Harbour	Oil	Fuel	Nk	Pc Hotlips	Dispersed naturally.
SE/596	03-Sep	Portland Harbour	Oil	Fuel	Nk	Mv Lochan	Vessel sank in harbour and later salvaged.
SE/602	19-Sep	Portland Harbour	Oil	Nk	Nk	Unidentified vessel	Small quantity of bilge pumpings.
SE/703	05-Dec	Marchwood Berth	Oil	Hydraulic	200 litres	Mv Hurst Point	Leakage from stern ramp hydraulic pipe.
SE/709	31-Dec	Poole Harbour	Oil	Fuel	120 litres	Ro-ro Mv Barfleur	Clean up completed.

5: SOUTH-WEST ENGLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
SW/062	02-Jan	50-19N: 04-11W	Oil	Fuel	18 tonnes	Mct Willy	Vessel driven ashore and later refloated.
SW/063	04-Jan	Devonport	Oil	Diesel	500 litres	HMS Campbeltown	Bunkering spill, clean-up completed.
SW/1165	11-Jan	Salcombe Estuary	Oil	Diesel	Nk	Mfv Starlight	Accidental discharge, warning issued.
SW/065	23-Jan	49-54N: 05-25W	Oil	Gas	2 tonnes	Mv Lagon Viking	Fuel tank lost overboard.
SW/938	23-Jan	Fowey Harbour	Oil	Diesel	20 litres	Mfv Charlotte	Vessel capsized and sank.
SW/067	03-Feb	50-20N: 04-20W	Oil	Fuel	Nk	Mv Kodima	Vessel ran aground and later refloated.
SW/1162	01-Mar	Teignmouth Harbour	Oil	Fuel	Nk	Pc Karchelle	Boat sank in harbour.
SW/941	05-Mar	Fowey Harbour	Oil	Fuel	20 litres	Mfv Didier Patrice	Clean-up completed.
SW/074	21-Mar	50-05N: 05-39W	Oil	Fuel	Nk	Unidentified vessel	Light sheen from tank washings.
SW/945	05-Apr	Fowey Harbour	Oil	Diesel	5 litres	Unidentified vessel	Natural dispersion of light sheen.
SW/1159	06-May	Looe Harbour	Oil	Fuel	Nk	Pleasurecraft	Safety boat sank.
SW/207	21-May	Brixham Harbour	Oil	Fuel	0.5 litres	Unidentified vessel	Suspected bunkering spill.
SW/209	02-Jun	Shoalstone	Oil	Lubrication	5 litres	Unidentified vessel	Leakage from drum.
SW/947	17-Jun	Fowey Harbour	Oil	Bilge	5 litres	Unidentified vessel	Light sheen dispersed naturally.
SW/1168	22-Jun	Dartmouth	Oil	Fuel	Nk	Pc Mystery	Boat sank in harbour.
SW/949	27-Jun	Fowey Harbour	Oil	Bilge	10 litres	Unidentified vessel	Dispersed naturally.
SW/605	03-Jul	49-48N: 04-13W	Oil	Fuel	Nk	Mv Ariane	Dispersed by wave action.
SW/614	20-Jul	51-09N: 06-17W	Oil	Nk	Nk	Mfv Dever Armor	Dispersed by wave action.
SW/1198	22-Jul	St Helier Harbour	Oil	Waste	5 litres	Mv Normandie Express	Clean-up completed.
SW/1199	24-Jul	St Helier Harbour	Oil	Diesel	20 litres	Pleasurecraft	Clean-up completed.
SW/609	06-Aug	Corbyn Head	Oil	Diesel	Nk	Workboat	Dispersed naturally.
SW/950	12-Aug	50-01N: 05-36W	Oil	Light	Nk	Unidentified vessel	Dispersed naturally.
SW/953	13-Aug	50-21N: 04-26W	Oil	Diesel	Nk	Unidentified vessel	Dispersed naturally.
SW/951	13-Aug	50-16N: 04-24W	Oil	Diesel	Nk	Unidentified vessel	Light sheen dispersed naturally.
SW/587	13-Aug	Saltash	Oil	Diesel	Nk	Workboat	Vessel sank, clean-up completed.
SW/593	26-Aug	49-32N: 03-44W	Chemical	Ethyl Acetate	200 tonnes	Mct Bow Eagle	Leakage from damaged tank.
SW/594	29-Aug	Fowey Harbour	Oil	Gas	10 litres	Mv Roelof	Clean-up completed.
SW/955	31-Aug	Fowey Harbour	Oil	Bilge	5 litres	Unidentified vessel	Light sheen dispersed naturally.
SW/610	11-Sep	49-56N: 03-07W	Oil	Fuel	Nk	Unidentified vessel	Light sheen dispersed naturally.

SW/611	21-Sep	50-03N: 05-33W	Oil	Diesel	Nk	Mfv Jacoba	Vessel ran aground.
SW/1177	22-Sep	49-56N: 05-26W	Oil	Gas	Nk	Mfv Cogener	Vessel sank under tow.
SW/613	30-Sep	50-11N: 03-32W	Oil	Diesel	Nk	Unidentified vessel	Dispersed by wave action.
SW/957	01-Oct	Truro Harbour	Oil	Diesel	Nk	Mfv Soft Shadow	Vessel sank, clean-up completed.
SW/958	06-Oct	Fowey Harbour	Oil	Diesel	10 litres	Unidentified vessel	Clean-up completed.
SW/960	26-Oct	Tor Bay	Oil	Hydraulic	Nk	Unidentified vessel	Light sheen dispersed naturally.
SW/713	11-Nov	50-06N: 03-38W	Oil	Fuel	Nk	Unidentified vessel	Slick 37.8 km long trailing vessel.
SW/963	Nov/Dec	Porthleven	Oil	Fuel	Nk	Unidentified vessel	Oil washed ashore, clean-up required.
SW/965	Nov/Dec	Teignmouth/Dawlish	Oil	Fuel	Nk	Unidentified vessel	Oil pellets washed ashore.
SW/1172	08-Dec	Sutton Harbour	Oil	Fuel	75 litres	Fishing vessel	Clean-up completed.
SW/1173	19-Dec	Sutton Harbour	Oil	Fuel	300 litres	Fishing vessel	Clean-up completed.

6: BRISTOL CHANNEL AND SOUTH WALES							
Reference	Date	Location	Category	Type	Amount	Source	Comments
BC/982	02-Feb	Royal Portbury Dock	Oil	Lubrication	Nk	Mv Arno	Dispersed naturally.
BC/079	04-Feb	Milford Haven	Oil	Lubrication	3 litres	Mt Lough Fisher	Dispersed naturally.
BC/984	04-Mar	Sharpness Dock	Oil	Diesel	15 litres	Mv Hoo Creek	Clean-up completed.
BC/081	06-Mar	Milford Haven	Oil	Diesel	5 litres	Mfv De Zworver	Bunker overflow, clean-up completed.
BC/082	16-Mar	Neyland marina	Oil	Diesel	2 litres	Unidentified Pc	Dispersed naturally.
BC/987	26-Mar	Milford Haven	Oil	Diesel	12 litres	Mfv Flamingo	Bunkering spill, clean-up completed.
BC/988	27-Mar	Milford Haven	Oil	Diesel	4 litres	Water Guardian	Tank overflow during transfer.
BC/989	31-Mar	Milford Haven	Oil	Diesel	23 litres	Mfv Port of Ayr	Bunkering overflow, clean-up completed
BC/213	27-Apr	Fishguard Harbour	Oil	Fuel	20 litres	Pc Bluebird	Vessel sank.
BC/217	05-Jun	Rhossili	Oil	Fuel	Nk	Unidentified vessel	Small spots of oil washed ashore.
BC/995	09-Jun	Avonmouth Docks	Oil	Bilge	25 litres	Mt Breaksea	Clean-up completed.
BC/219	16-Jun	Porthcawl Pier	Oil	Diesel	Nk	Unidentified vessel	100 m circle of diesel reported.
BC/996	18-Jun	Sharpness Dock	Oil	Slops	12.5 litres	Mv Antabe	Clean-up completed.
BC/997	19-Jun	Bristol Docks	Oil	Lubrication	Nk	Pleasurecraft	Clean-up completed.
BC/998	08-Jul	Milford Haven	Oil	Diesel	3 litres	Pilotboat Llanreath	Bunkering spill.
BC/999	16-Jul	Milford Haven	Oil	Bilge	1 litre	Unidentified vessel	Natural dispersion.
BC/619	16-Jul	Milford Docks	Oil	Bilge	Nk	Unidentified vessel	Clean-up completed.
BC/620	06-Aug	51-39N: 05-10W	Oil	Diesel	Nk	Unidentified vessel	Sheen dispersed by wave action.
BC/1004	08-Aug	Fishguard Harbour	Oil	Hydraulic	100 litres	Stena Lynx	Clean-up completed.
BC/1007	14-Aug	Milford Haven	Oil	Diesel	3 litres	Mt Donaustorn	Tank overflow during cargo operations.
BC/1008	19-Aug	Fishguard Harbour	Oil	Diesel	Nk	Unidentified vessel	Natural dispersion of pollution.
BC/617	04-Sep	51-33N: 03-53W	Oil	Fuel	Nk	Unidentified vessel	Natural dispersion of pollution.
BC/1010	04-Sep	Milford Haven	Oil	Diesel	450 litres	Mfv Do Bounty	Overflow during oil transfer operation.
BC/1013	07-Oct	Milford Docks	Oil	Diesel	20 litres	Mfv Persorsa Uno	Bunker overflow, clean-up completed.
BC/717	09-Oct	Milford Docks	Oil	Diesel	20 litres	Mfv Persorsa Uno	Clean-up completed.
BC/1014	19-Oct	Milford Haven	Oil	Diesel	3 litres	Mfv Santa Susana	Bunker overflow, clean-up completed.
BC/721	25-Nov	51-33N: 05-26W	Oil	Crude	Nk	Mt Magnitude	Small leakage from hull.

7: IRISH SEA							
Reference	Date	Location	Category	Type	Amount	Source	Comments
IS/1034	30-Jan	Carlingford Lough	Oil	Diesel	Nk	Mfv Charisma	Vessel sank causing spillage.
IS/1035	12-Feb	Ramsey Old Harbour	Oil	Diesel	10 litres	Research vessel Roagan	Clean-up completed.
IS/1039	12-Mar	Londonderry	Oil	Diesel	Nk	Mt Fisher	Dispersed naturally.
IS/1040	April	Manchester Ship Canal	Oil	Sludge	50 litres	Mct Stolt Puffin	Clean-up completed.
IS/1190	16-Apr	Stanlow	Oil	Oily water	Nk	Mct The Reno	Minor discharge.
IS/1042	19-Jun	55-02N: 07-16W	Oil	Heavy fuel	200 litres	Unidentified vessel	Water and shore clean-up required.
IS/1048	27-Aug	Liverpool	Oil	Diesel	150 litres	Msv Putford Ajax	Clean-up completed.
IS/622	12-Sep	Holyhead Harbour	Oil	Fuel	23 litres	Ro-ro Stena Line	Bunkering spill, clean-up completed.
IS/723	21-Sep	54-24N: 05-15W	Oil	Light	1.2 litres	Unidentified vessel	Dispersed naturally.
IS/724	28-Sep	55-17N: 06-17W	Oil	Fuel	3 litres	Unidentified vessel	Light sheen, dispersed naturally.
IS/1047	October	Manchester Ship Canal	Oil	Hydraulic	3 litres	Mct Stolt Fulmar	Clean-up completed.
IS/726	07-Oct	54-42N: 05-38W	Oil	Diesel	Nk	Unidentified vessel	Sheen, dispersed naturally.
IS/1049	08-Oct	Holyhead Harbour	Oil	Diesel	30 litres	Workboat	Natural dispersion.
IS/728	23-Oct	Seaforth Dock	Oil	Hydraulic	100 litres	Ro-ro Mv Atlantic Companion	Clean up completed.
IS/731	17-Nov	53-37N: 03-10W	Oil	Nk	Nk	Unidentified vessel	Reported by Lennox installation.
IS/1052	27-Nov	Holyhead Harbour	Oil	Diesel	100 litres	Unidentified vessel	Clean-up completed.

8: WESTERN SCOTLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
WS/086	11-Jan	Lochinver Harbour	Oil	Diesel	13.6 litres	Mfv Mariette Le Roch	Bunkering spill, clean-up completed.
WS/088	24-Jan	55-59N: 04-47W	Oil	Lubrication	10 litres	HMS Atherstone	Clean-up completed.
WS/089	30-Jan	58-09N: 05-15W	Oil	Diesel	250 litres	Mfv Jean Le Clerc	Bunkering spill, clean-up completed.
WS/225	09-Feb	57-59N: 06-23W	Oil	Diesel	1.5 tonnes	Mfv Astronaut	Vessel sank.
WS/226	23-Feb	Lochinver Harbour	Oil	Diesel	200 litres	Mfv Bisson	Bunkering spill, clean-up completed.
WS/227	18-Mar	Kinlochbervie Harbour	Oil	Diesel	100 litres	Mfv Carina	Bunkering spill, clean-up completed.
WS/229	19-Apr	Millport	Oil	Diesel	205 litres	Pc Put Put	Vessel ran aground and broke up.
WS/231	26-Apr	Lochinver Harbour	Oil	Diesel	50 litres	Mv Atlantic D	Bunkering spill.
WS/233	01-May	Lochinver Harbour	Oil	Marine Gas	400 litres	Mfv Bravo	Bunkering spill, clean-up completed.
WS/236	10-May	58-41N: 08-17W	Oil	Diesel	60 tonnes	Mfv Radiant	Vessel sank, light sheen observed.
WS/1076	26-May	Clydeport	Oil	Light	Nk	Unidentified vessel	Light sheen dispersed by wave action.
WS/237	22-Jun	Clydeport	Oil	Waste	100 litres	Msv Innovator	Coupling hose failure.
WS/624	21-Jul	55-38N: 06-48W	Oil	Nk	7.2 litres	Unidentified vessel	Slick 60 km long by 0.01 km wide.
WS/626	24-Jul	Lochinver Harbour	Oil	Diesel	60 litres	Mfv Mariette Le Roch	Bunkering spill, clean-up completed.
WS/628	06-Aug	Oban	Oil	Diesel	5 litres	Unidentified vessel	Light sheen dispersed by wave action.
WS/629	13-Aug	Portree Harbour	Oil	Diesel	150 litres	Mfv Kate Elizabeth	Vessel capsized in harbour.
WS/632	03-Sep	56-47N: 05-10W	Oil	Fuel	5 litres	Unidentified vessel	Possible bilge discharge.
WS/1085	03-Sep	58-01N: 06-19W	Oil	Light	Nk	Unidentified vessel	Slick dispersed naturally.
WS/737	15-Nov	57-58N: 05-21W	Oil	Lubrication	5 litres	Ro-ro Mv Muirneag	Broken cooler pipe repaired.

9: ORKNEY AND SHETLAND ISLANDS							
Reference	Date	Location	Category	Type	Amount	Source	Comments
OS/1099	January	Lerwick	Oil	Diesel	1 tonne	Mfv Research	Clean-up completed.
OS/1100	02-Feb	Westray	Oil	Diesel	100 litres	Mfv Silver Star	Vessel sank causing leakage of fuel.
OS/1101	12-Feb	Sullom Voe	Oil	Lubrication	Nk	Mt New World	Minor stern gland leakage.
OS/1103	April	Lerwick	Oil	Diesel	4 litres	Mfv Jenna Maree	Clean-up completed.
OS/238	12-Apr	Scapa Flow	Oil	Crude	10 litres	Mt Petrotrym	Human error.
OS/1107	07-May	Sullom Voe	Oil	Crude	Nk	Mt Geres	Minor spill, clean-up completed.
OS/239	08-May	58-45N: 03-28W	Oil	Crude	Nk	Unidentified vessel	Light sheen,oiled birds reported.
OS/241	10-May	Scapa Flow	Oil	Diesel	23 litres	Ro-ro Mv Hoy Head	Bunkering spill, dispersed naturally.
OS/242	13-May	Scapa Flow	Oil	Crude	159 litres	Mt Prospect	Minor crack in side cargo tank.
OS/1108	July	Lerwick	Oil	Diesel	20 litres	Mfv Constant Friend.	Clean-up completed.
OS/1109	August	Lerwick	Oil	Diesel	5 litres	Mfv Sharyn Louise	Clean-up completed.
OS/741	27-Aug	59-48N: 02-07W	Oil	Fuel	3 litres	Mfv Antares	Identified by patrol aircraft.
OS/1111	October	Stromness Harbour	Oil	Diesel	100 litres	Unidentified vessel	Suspected bunkering spill.

10: EASTERN SCOTLAND							
Reference	Date	Location	Category	Type	Amount	Source	Comments
ES/098	08-Jan	Aberdeen Harbour	Oil	Fuel	100 litres	Msv Northern Seeker	Cracked ballast pipe in fuel tank.
ES/100	14-Jan	57-43N: 04-02W	Oil	Bilge	10 litres	Unidentified vessel	Small amount washed ashore.
ES/1113	16-Jan	Peterhead Harbour	Oil	Fuel	100 litres	Msv Toisa Invincible	Clean-up completed.
ES/101	18-Feb	57-10N: 02-02W	Other	Fish oil	3 litres	Unidentified fishing vessel	Dispersed naturally.
ES/104	01-Mar	Peterhead Harbour	Oil	Diesel	13.6 litres	Mfv Elegance	Vessel sank in harbour.
ES/105	04-Mar	Buckie Harbour	Oil	Diesel	2 tonnes	Mfv Lomur	Vessel sank, clean-up completed.
ES/1115	23-Mar	Aberdeen Harbour	Oil	Fuel	30 litres	Msv Dea Challenger	Bunkering spill, clean-up completed.
ES/265	01-Apr	58-19N: 01-43W	Oil	Crude	5 litres	Unidentified vessel	Reported by Sedco 704 installation.
ES/246	08-Apr	57-26N: 01-19W	Oil	Hydraulic	8 litres	Msv Polarbjorn	Leekage from ROV at 120m.
ES/249	30-Apr	57-05N: 01-59W	Oil	Crude	10 litres	Unidentified vessel	Sheen 300 x 400m.
ES/263	16-Jun	Aberdeen Harbour	Oil	Diesel	45 litres	Msv Northern Viking	Bunkering spill, clean-up completed.
ES/643	14-Aug	55-52N: 02-05W	Oil	Diesel	455 litres	Mfv Sea Breeze	Vessel sank following collision.
ES/644	15-Aug	Peterhead Harbour	Oil	Diesel	455 litres	Mfv Starlight	Bunkering spill, clean-up completed.
ES/1134	07-Sep	Buckie Harbour	Oil	Fuel	250 litres	Mfv Lomur	Clean-up completed.
ES/649	17-Sep	Aberdeen Harbour	Oil	Diesel	50 litres	Mv Malte B	Clean-up completed.
ES/1147	21-Sep	Peterhead Bay	Oil	Fuel	10 litres	Msv Highland Star	Clean-up completed.
ES/748	24-Sep	Peterhead Harbour	Oil	Hydraulic	68 litres	Mfv Fear Not II	Clean up completed.
ES/751	23-Nov	River Ythan	Oil	Diesel	23 litres	Pc Early Light (Yacht)	Vessel impaled itself on piling.

11: UKCS OIL AND GAS INSTALLATION ACCIDENTAL DISCHARGES.							
Reference	Date	Location	Category	Type	Amount	Source	Comments
OG/017	02-Jan	53-11N:02-52E	Oil	Hydraulic	120 litres	Sean Papa Platform	Seal failed in wellhead actuator.
OG/096	02-Jan	58-25N: 00-19W	Oil	Lubrication	0.3 litres	Claymore Alpha	Bunkering hose fitting.
OG/1270	02-Jan	58-03N: 01-24E	Oil	Diesel	500 litres	Andrew	Overflow from storage tank.
OG/1271	03-Jan	57-06N: 00-51E	Other	Oil-based mud	1.4 tonnes	Global Santa Fe 140	Faulty switch in marine riser slip joint packer.
OG/112	03-Jan	59-34N: 01-40E	Oil	Crude	300 litres	Global Producer III	Overboard discharge pipeline.
OG/097	04-Jan	58-07N: 03-05W	Oil	Diesel	3 litres	Beatrice Alpha	Pinhole leak in bunkering hose.
OG/113	05-Jan	58-43N: 01-22E	Other	Oil-based mud	3 litres	Miller	Burst bunkering hose.
OG/114	05-Jan	57-43N: 01-02E	Oil	Crude	500 litres	Forties Echo	Leaking flange joint.
OG/115	07-Jan	57-27N: 01-51E	Other	Oil-based mud	70 litres	Galaxy III	OBM hose.
OG/1272	09-Jan	58-02N: 01-07E	Oil	Condensate	Nk	Britannia	Jet washing of production separators 114ppm.
OG/099	09-Jan	58-18N: 01-46W	Oil	Crude	60 litres	Captain WPP	Tundish overflowed.
OG/116	11-Jan	58-42N: 01-17E	Oil	Crude	0.13 litres	Brae Alpha	PW off spec.
OG/117	12-Jan	58-42N: 01-17E	Oil	Crude	0.3 litres	Brae Alpha	PW off spec.
OG/019	13-Jan	53-03N: 02-14E	Oil	Condensate	5.4 litres	Leman 27A	AC sump caisson pump.
OG/118	13-Jan	56-00N: 03-11E	Oil	Nk	Nk	Glomar Artic IV	Abandoned well P2.
OG/119	13-Jan	60-51N: 01-28E	Oil	Crude	200 litres	Ninian Central	Minor pipework leaks.
OG/120	15-Jan	57-11N: 01-00E	Oil	Crude	1 litre	Gannet Alpha	Demulsifier pump inoperable.
OG/121	16-Jan	61-05N: 01-43E	Oil	Crude	100 litres	Brent Charlie	Contamination of tank water discharge pumps.
OG/122	18-Jan	61-04N: 01-24E	Oil	Crude	10 litres	Hutton TLP	Surge vessel.
OG/020	19-Jan	53-05N: 02-33E	Oil	Condensate	20 litres	Thames Alpha	Instrument failure.
OG/123	21-Jan	59-32N: 01-34E	Oil	Crude	200 litres	Global Producer III	Spill from outboard end of cargo offload coupler.
OG/125	21-Jan	61-17N: 00-55E	Other	Oil-based mud	2.2 tonnes	Tern Alpha	Leaking mud pump room sump.
OG/1273	23-Jan	53-27N: 02-20E	Oil	Lubrication	80 litres	Viking	Gas compressor enclosure bund leaking.
OG/1274	25-Jan	59-34N: 01-40E	Oil	Machinery	150 litres	Global Producer III	Bilge tank vent.
OG/127	30-Jan	58-41N: 01-17E	Oil	Crude	0.05 litres	Brae Alpha	Degasser interface problems.
OG/129	01-Feb	61-06N: 01-04E	Oil	Diesel	200 litres	Cormorant Alpha	Diesel storage tank overflow.
OG/021	02-Feb	53-23N: 02-00E	Oil	Hydraulic	20 litres	Loggs Complex	Valve actuator hydraulic system
OG/1275	04-Feb	6048N: 01-27E	Oil	Crude	40 litres	Ninian Southern	Small bore pipe fractured.
OG/130	04-Feb	59-37N: 01-31E	Oil	Crude	100 litres	Beryl Bravo	PW upset from inlet separator.

OG/1276	06-Feb	57-18N: 01-40E	Oil	Hydraulic	1.05 tonnes	ETAP	Loss from subsea umbilical.
OG/1277	08-Feb	53-27N: 02:20E	Oil	Hydraulic	160 litres	Viking DD	Incorrect assembly of fitting.
OG/131	08-Feb	61-04N: 01-24E	Other	Oil based mud	20 litres	Hutton TLP	Cutting of casings prior to removal.
OG/132	10-Feb	56-42N: 02-15E	Other	Oil-based mud	2.1 tonnes	JW McLean	Marine riser connection failure.
OG/133	11-Feb	61-24N: 01-44E	Oil	Crude	500 litres	Murchison	Process upset due well movements.
OG/1278	12-Feb	57-44N: 00-58E	Oil	Crude	Nk	Forties Alpha	Plant upset > 100ppm.
OG/1279	13-Feb	57-18N: 01-40E	Oil	Nk	16 litres	ETAP	Cutting of casings prior to removal.
OG/134	14-Feb	58-42N: 01-17E	Oil	Crude	0.2 litres	Brae Alpha	Clarifier pumps not pumping.
OG/095	15-Feb	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW excursion > 100 ppm for 5hrs.
OG/007	15-Feb	56-41N: 02-15E	Other	Oil-based mud	800 litres	JW McLean	Gas bubble under annular rose.
OG/135	15-Feb	58-02N: 01-07E	Oil	Condensate	50 litres	Britannia	Process instability.
OG/137	16-Feb	58-48N: 01020E	Oil	Crude	6.75 litres	Brae Bravo	Bunkering operations.
OG/138	17-Feb	58-04N: 01-05E	Oil	Crude	300 litres	Alba Northern	Contamination of process system.
OG/139	17-Feb	58-02N: 01-07E	Oil	Crude	Nk	Britannia	Process instability.
OG/140	19-Feb	59-33N: 01-32E	Oil	Oily water	Nk	Beryl Alpha	Unauthorised discharge overboard.
OG/141	20-Feb	58-19N: 00-44E	Oil	Crude	1 tonne	North Sea Producer	Failure of de-oiler injection pump.
OG/142	21-Feb	53-13N: 01-07E	Oil	Crude	250 litres	Balmoral FPV	Loss of residual oil from water polishing vessel.
OG/1404	24-Feb	57-18N: 01-40E	Chemical	Methanol	60 litres	ETAP	Bunkering operations.
OG/1281	24-Feb	60-21N: 04-04W	Oil	Crude	10 litres	Schiehallion	PW reinjection system.
OG/143	24-Feb	59-33N: 01-39E	Oil	Crude	2 tonnes	Global Producer III	Plant shut down during investigation.
OG/144	25-Feb	61-17N: 00-55E	Oil	Hydraulic	0.1 litres	Tern Alpha	Pressure plug worked loose on crane.
OG/1282	26-Feb	58-30N: 00-22E	Oil	Fuel	100 litres	Pride North Sea	Hose failure during transfer operation.
OG/145	26-Feb	60-15N: 01-28E	Oil	Lubrication	14 tonnes	Ninian Central	Hose failure during transfer operation.
OG/103	27-Feb	58-09N: 03-01W	Oil	Diesel	300 litres	Beatrice Alpha	Failed level indicator causing overflow.
OG/146	27-Feb	58-42N: 01-17E	Oil	Crude	1 litre	Brae Alpha	Interface level control.
OG/147	27-Feb	59-37N: 01-31E	Oil	Crude	Nk	Beryl Bravo	High sand content in system 115ppm.
OG/1283	01-Mar	56-42N: 02-20E	Oil	Crude	Nk	Judy	New platform suspect chemicals > 100ppm..
OG/149	01-Mar	59-45N: 01-40E	Oil	Crude	0.1 litres	Bruce	Overflow from drains caisson.
OG/150	02-Mar	59-37N: 01031E	Oil	Crude	Nk	Beryl Bravo	PW system 120 ppm..
OG/1284	03-Mar	53-02N: 02-19E	Oil	Nk	0.6 litres	Leman	NK
OG/106	03-Mar	58-18N: 01-42W	Oil	Crude	Nk	Sedco 704	Drilled cuttings.

OG/151	06-Mar	61-16N: 01-36E	Oil	Crude	Nk	Dunlin Alpha	PW >100ppm during start-up.
OG/107	08-Mar	58-18N: 01046W	Chemical	Demulsifier	150 litres	Captain WPP	Discharge from bulk demulsifier holding tank.
OG/154	09-Mar	58-47N: 01-21E	Oil	Condensate	Nk	Brae Bravo	Level control problems.
OG/1402	11-Mar	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW system 349ppm.
OG/155	11-Mar	61-06N: 01-43E	Oil	Lubrication	10 litres	Brent Charlie	Leak from reciprocating compressor package.
OG/156	11-Mar	58-48N: 01-21E	Oil	Diesel	30 litres	Brae Bravo	Drainage system.
OG/157	12-Mar	57-11N: 00-58E	Oil	Crude	Nk	Gannet Alpha	Level control problems.
OG/158	14-Mar	57-17N: 01-11E	Oil	Condensate	2 litres	Lomond	System start-up.
OG/1286	15-Mar	57-27N: 01-23E	Oil	Crude	93 litres	Montrose Alpha	Start up after a prolonged shutdown.
OG/159	16-Mar	60-51N: 01-28E	Oil	Crude	100 litres	Ninian Central	Cause under investigation.
OG/1287	17-Mar	58-02N: 01-07E	Oil	Condensate	81 litres	Britannia	Process instability.
OG/160	17-Mar	58-42N: 01-17E	Oil	Crude	0.1 litres	Brae Alpha	Drainage system.
OG/161	18-Mar	56-24N: 02-15E	Oil	Crude	10 litres	Janice Alpha	NK
OG/1288	20-Mar	53-34N: 03-40W	Oil	Diesel	Nk	Morecambe CPC1	Open storm drains in heavy rain.
OG/110	20-Mar	58-18N: 01-46W	Oil	Hydraulic	16 litres	Captain WPP	Burst Hydraulic line on crane.
OG/163	22-Mar	61-37N: 01-18E	Oil	Crude	1 litre	Magnus	Oil breakthrough during sandwashing.
OG/164	23-Mar	60-51N: 01-28E	Oil	Diesel	100 litres	Ninian Central	Cause under investigation.
OG/165	23-Mar	56-27N: 02-17E	Oil	Diesel	620 litres	Clyde	Hose failure during bunkering operation.
OG/166	23-Mar	58-42N: 01-17E	Oil	Crude	5 litres	Brae Alpha	Degasser unstable.
OG/167	25-Mar	58-22N: 00-04E	Oil	Hydraulic	16 litres	Tartan Alpha	Failed Hydraulic line on crane.
OG/168	26-Mar	59-33N: 01-39E	Oil	Diesel	200 litres	Borgsten Dolphin	Spillage during transfer of fuel from supply vessel.
OG/026	27-Mar	53-28N: 01-21E	Oil	Engine	0.6 litres	Excalibur 49/17A	Drains Tank overflow pipe.
OG/111	29-Mar	58-18N: 01-42W	Oil	Crude	0.01 litres	Sedco 704	Drilled cuttings.
OG/169	29-Mar	60-15N: 01-28E	Oil	Crude	25 litres	Ninian Central	overflushing of caisson following deluge testing
OG/1290	29-Mar	58-19N: 00-44E	Oil	Crude	Nk	North Sea Producer	Overboard PW Spike of 260ppm lasting minutes.
OG/170	29-Mar	61-08N: 01-44E	Oil	Diesel	1 litre	Brent Delta	Diesel bunkering hose coupling.
OG/171	30-Mar	61-14N: 01-09E	Oil	Crude	300 litres	North Cormorant	Produced Water System malfunction.
OG/1292	02-Apr	53-21N: 01-18E	Oil	Diesel	130 litres	Waveney	Bunkering tank overflow.
OG/266	02-Apr	58-42N: 01-17E	Oil	Crude	1.3 litres	Brae Alpha	NK. All discharge routes checked and clear.
OG/267	02-Apr	58-17N: 00-12E	Oil	Crude	50 litres	Scott Platform	Overboard water from degasser vessel.
OG/268	02-Apr	61-14N: 01-09E	Oil	Crude	100 litres	North Cormorant	Produced Water System malfunction.

OG/269	02-Apr	61-37N: 01-18E	Oil	Crude	624 litres	Magnus	Sandwash operations.
OG/1293	04-Apr	57-18N: 01-40E	Oil	Hydraulic	14 litres	ETAP	Small bore pipe sheared.
OG/272	05-Apr	56-24N: 02-15E	Oil	Crude	30 litres	Janice Alpha	Casing fractured at discharge volute.
OG/1406	07-Apr	54-28N: 02-22E	Chemical	Anvol CF 22	200 litres	Ensko 72	Leakage from diverter housing.
OG/1294	07-Apr	58-18N: 01-42W	Oil	Crude	Nk	Sedco 704	Drilled cuttings
OG/1295	07-Apr	57-28N: 00-31E	Oil	Diesel	0.8 litres	Kittiwake Alpha	Diesel storage tanks.
OG/172	08-Apr	54-06N: 00-32E	Oil	Diesel	175 litres	Glomar Adriatic 6	Ruptured hose whilst bunkering.
OG/245	08-Apr	58-18N: 01-42W	Oil	Crude	0.1 litres	Sedco 704	Drilled cuttings
OG/1296	08-Apr	56-30N: 02-09E	Oil	Crude	10 litres	Fulmar Alpha	Vapour lock of interface controller torque tube.
OG/1297	08-Apr	Nk	Oil	Hydraulic	0.8 litres	Polarbjorn	Hydraulic fitting failed.
OG/276	08-Apr	57-01N: 01-50E	Oil	Lubrication	240 litres	Elgin PUQ	Failure of pump seal.
OG/277	09-Apr	58-42N: 01-17E	Oil	Crude	6 litres	Brae Alpha	Process problems.
OG/247	10-Apr	58-18N: 01-42W	Oil	Crude	Nk	Sedco 704	Drilled cuttings.
OG/248	11-Apr	58-09N: 03-01W	Oil	Crude	4 litres	Beatrice Bravo	Leaking flange.
OG/278	11-Apr	61-06N: 01-43E	Oil	Crude	5 litres	Brent Charlie	Rundown line manifold.
OG/280	11-Apr	58-04N: 01-05E	Oil	Crude	2 litres	Alba Northern	Leaking float shoe and cement plug.
OG/281	11-Apr	60-15N: 01-28E	Oil	Crude	50 litres	Ninian Central	Carry over from drain system.
OG/283	12-Apr	57-17N: 02-10E	Oil	Crude	2 litres	Lomond	Process upset.
OG/284	12-Apr	57-54N: 00-02E	Oil	Crude	Nk	Buchan Alpha	Carry over from drain system.
OG/1300	14-Apr	53-34N: 03-40W	Oil	Diesel	2.3 litres	Morecambe	Human Error.
OG/285	14-Apr	60-15N: 01-28E	Oil	Crude	600 litres	Ninian Central	10 discharges reported in total.
OG/1301	15-Apr	57-11N: 01-00E	Oil	Crude	50 litres	Gannet Alpha	Interface level control problem.
OG/1303	15-Apr	58-41N: 01-17E	Oil	Crude	Nk	Brae Alpha	PW upset.
OG/173	15-Apr	54-28N: 02-22E	Oil	Engine	20 litres	Ensko 72	Discharge contaminated.
OG/174	15-Apr	54-28N: 02-22E	Chemical	Anvol CF 22	200 litres	Ensko 72	Leak from diverter housing.
OG/289	15-Apr	61-02N: 01-08E	Oil	Nk	70 litres	Sedco 712	Flare boom.
OG/189	16-Apr	53-07N: 02-06E	Oil	Hydraulic	37 litres	Leman Golf	Leak from wellhead flow wing valve.
OG/1304	16-Apr	61-06N: 01-43E	Oil	Lubrication	Nk	Brent Charlie	Nk
OG/290	16-Apr	59-35N: 01-39E	Oil	Diesel	10 litres	Borgsten Dolphin	Split diesel delivery hose to flare.
OG/291	16-Apr	57-28N: 00-31E	Oil	Crude	5 litres	Kittiwake Alpha	Failure of level controller.
OG/191	18-Apr	53-01N: 02-11E	Oil	Hydraulic	11 litres	Leman Delta	Leaking tube union on 120bar hydraulic header.

OG/293	18-Apr	57-54N: 00-02E	Oil	Crude	30 litres	Buchan Alpha	Possible leaking valve.
OG/294	18-Apr	58-42N: 01-17E	Oil	Crude	0.04 litres	Brae Alpha	Loss of transmitter indication.
OG/1307	19-Apr	57-54N: 00-02E	Oil	Crude	60 litres	Buchan Alpha	Possible leaking valve.
OG/296	19-Apr	60-49N: 01-44E	Oil	Diesel	150 litres	Alwyn North	Diesel tank overflowed.
OG/297	21-Apr	57-01N: 01-58E	Oil	Condensate	0.7 litres	Shearwater	Process pipework.
OG/205	22-Apr	53-02N: 02-19E	Oil	Hydraulic	600 litres	Leman	Failure of hydraulic filter on crane.
OG/298	23-Apr	57-02N: 01-55E	Oil	Hydraulic	0.25 litres	Maersk Endurer	Leak 6" below top drive in derrick
OG/299	23-Apr	58-48N: 01-21E	Oil	Condensate	0.1 litres	Brae Bravo	Slop oil pumps gassed up.
OG/300	24-Apr	57-57N: 01-51E	Oil	Hydraulic	10 litres	Armada	Failure of hydraulic hose on top drive system.
OG/179	27-Apr	54-03N: 02-03E	Oil	Hydraulic	2 litres	Maersk Enhancer	Burst Hose on hydraulic power unit.
OG/302	28-Apr	61-22N: 01-35E	Oil	Crude	8 litres	Thistle Alpha	Flowline header valve.
OG/303	29-Apr	56-27N: 02-17E	Oil	Crude	776 litres	Clyde Alpha	Source and cause under investigation.
OG/1310	30-Apr	60-15N: 01-28E	Oil	Crude	Nk	Ninian Central	Oil Water caisson.
OG/304	30-Apr	58-03N: 01-24E	Oil	Crude	300 litres	Andrew	Produced Water System malfunction.
OG/305	30-Apr	57-02N: 01-57E	Oil	Diesel	800 litres	Shearwater	Hose failure during transfer operation.
OG/306	30-Apr	57-05N: 00-54E	Oil	Crude	Nk	Triton FPSO	Produced Water System malfunction.
OG/1311	01-May	58-02N: 01-07E	Oil	Condensate	46 litres	Britannia	Process system upset.
OG/309	02-May	57-44N: 00-51E	Oil	Diesel	8 litres	Forties Charlie	Corrosion hole in pipework elbow.
OG/1312	04-May	58-42N: 01-17E	Oil	Crude	0.1 litres	Brae Alpha	Open drains disposal caisson.
OG/194	04-May	52-58N: 01-51E	Oil	Hydraulic	300 litres	52/5A	Discharge following failure of ring seal.
OG/310	05-May	57-57N: 01-51E	Oil	Hydraulic	3.6 litres	Galaxy III	Blown O ring from back pressure pipework.
OG/1313	06-May	56-30N: 00-20E	Oil	Crude	Nk	Fulmar Alpha	PW system degasser
OG/311	06-May	57-11N: 01-00E	Oil	Crude	1 litre	Gannet Alpha	Process upset due to sticking level control displacer
OG/312	06-May	61-06N: 01-04E	Oil	Crude	314 litres	Cormorant Alpha	Produced Water System malfunction.
OG/313	07-May	59-37N: 01-31E	Oil	Crude	Nk	Beryl Bravo	Process system upset.
OG/314	07-May	57-54N: 00-02E	Oil	Crude	Nk	Buchan Alpha	High levels of sand in separators.
OG/1314	07-May	57-54N: 00-02E	Oil	Crude	20 litres	Buchan Alpha	Failure of pump mechanical seal.
OG/315	07-May	59-32N: 01-24E	Oil	Hydraulic	0.5 litres	Glomar Artic III	Burst Hydraulic Hose
OG/251	08-May	58-25N: 00-19E	Oil	Crude	110 litres	Claymore Alpha	Spillage from sump pump.
OG/316	08-May	60-54N: 01-25E	Oil	Crude	0.1 litres	Ninian Northern	Suction filter of closed drain sump tank
OG/317	08-May	61-04N: 01-24E	Oil	Crude	10 litres	North West Hutton	Overflow from caisson.

OG/252	09-May	58-25N: 00-19W	Oil	Crude	7.5 litres	Claymore Alpha	Sump pile stopped and contents overspilled.
OG/240	10-May	60-20N: 04-02W	Oil	Hydraulic	4 litres	Transocean Leader	ROV hydraulic fitting failure.
OG/322	10-May	57-54N: 00-02E	Oil	Crude	Nk	Buchan Alpha	High levels of sand in separators.
OG/195	11-May	53-05N: 02-08E	Oil	Nk	2 litres	Leman Alpha	Damage to drain point during pump removal.
OG/1315	11-May	58-18N: 01-42W	Oil	Base oil	2 tonnes	Sedco 714	Valve failure on flare boom water cooling line.
OG/253	11-May	58-25N: 00-19W	Oil	Crude	0.5 litres	Claymore Alpha	Sump pile caisson.
OG/254	12-May	58-06N: 01-26W	Oil	Crude	2 litres	Bleo Holm	Hazardous closed drains pump.
OG/324	12-May	59-33N: 01-32E	Oil	Crude	100 litres	Beryl Alpha	Produced Water System malfunction.
OG/1316	13-May	59-33N: 01-32E	Oil	Crude	100 litres	Beryl Alpha	Produced Water System malfunction.
OG/325	13-May	56-24N: 02-15E	Oil	Crude	10 litres	Janice Alpha	Drains backing up during flushing of chemical skid.
OG/326	14-May	59-33N: 01-32E	Oil	Diesel	1.6 litres	Beryl Alpha	Spray leak from breakaway hose coupling.
OG/1317	15-May	57-00N: 01-50E	Oil	Lubrication	0.4 litres	Elgin Franklin PUQ	Leak at flange.
OG/328	16-May	57-11N: 01-00E	Oil	Crude	44 litres	Gannet Alpha	Process upset due to sticking level control displacer
OG/329	16-May	58-14N: 01-08E	Oil	Crude	50 litres	Balmoral FPV	Suspected leak from well B3.
OG/331	17-May	57-02N: 01-57E	Oil	Hydraulic	1 litre	Shearwater	Loose fitting on pipework.
OG/1318	18-May	59-37N: 01-31E	Oil	Crude	Nk	Beryl Bravo	Slugging upset 316ppm.
OG/332	19-May	58-01N: 01-06E	Oil	Crude	74 litres	Stena Spey	Marine Riser.
OG/333	19-May	58-48N: 01-21E	Oil	Condensate	0.88 litres	Brae Bravo	Slop oil vessel level control problems.
OG/1320	20-May	57-00N: 01-18E	Oil	Crude	Nk	Ranform Banff	Process upset >100ppm.
OG/1319	20-May	58-02N: 01-07E	Oil	Crude	17 litres	Britannia	Proceeds upset on PW system.
OG/256	21-May	58-18N: 01-42W	Oil	Crude	0.04 litres	Sedco 704	Drilled cuttings.
OG/334	21-May	59-37N: 01-31E	Oil	Crude	Nk	Beryl Bravo	Process upset 180ppm.
OG/336	21-May	56-24N: 02-15E	Oil	Crude	Nk	Janice Alpha	Hydrocyclone inefficient 120 ppm.
OG/338	21-May	61-14N: 01-09E	Oil	Diesel	1 litre	North Cormorant	Bunkering Hose pinhole leak.
OG/339	22-May	57-11N: 01-00E	Oil	Crude	Nk	Gannet Alpha	Chemical trial difficulties.
OG/197	24-May	53-23N: 02-01E	Oil	Hydraulic	56 litres	Loggs Field	Small bore connection coupling failed.
OG/343	24-May	56-24N: 02-04E	Oil	Diesel	10 litres	Auk Alpha	Hose insecurely stowed.
OG/344	25-May	58-25N: 00-19E	Oil	Crude	10 litres	Claymore Alpha	Crude oil booster pump.
OG/1321	26-May	53-25N: 02-52E	Oil	Hydraulic	85 litres	Skiff PS	Well hydraulic control line leak.
OG/346	26-May	56-01N: 03-11E	Oil	Crude	117 litres	Uisge Gorm	Produced Water System malfunction.
OG/347	26-May	60-48N: 01-27E	Oil	Crude	250 litres	Ninian Southern	Spillage following hose failure.

OG/348	28-May	60-31N: 01-50E	Oil	Condensate	70 litres	Transocean John Shaw	Well test surge tank.
OG/349	28-May	58-42N: 01-17E	Oil	Crude	1 litre	Brae Alpha	Failure of demulsifer pump.
OG/350	28-May	57-54N: 00-02E	Oil	Crude	Nk	Buchan Alpha	Process upset.
OG/259	28-May	58-18N: 01-42W	Oil	Crude	0.002 litres	Sedco 704	Drilled cuttings
OG/352	28-May	58-14N: 01-08E	Oil	Crude	300 litres	Balmoral FPV	Produced Water System malfunction.
OG/1322	29-May	58-42N: 01-17E	Oil	Crude	30 litres	Brae Alpha	Poor PW system efficiency.
OG/1323	29-May	58-18N: 01-46W	Oil	Crude	30 litres	Captain	Failure of standby pump on flare knock-out drum.
OG/353	29-May	59-32N: 01-24E	Oil	Crude	Nk	Nevis Field	Leak from subsea xmas tree flowline connector.
OG/354	30-May	58-02N: 01-06E	Oil	Crude	10 litres	Britannia	Overboard PW discharge 200 ppm.
OG/355	30-May	58-15N: 00-24E	Oil	Condensate	6.8 litres	Glomar Grand Banks	Well test equipment
OG/356	30-May	61-34N: 01-36E	Oil	Hydraulic	0.25 litres	Ocean Guardian	Burst hose on ROV.
OG/357	30-May	61-06N: 01-19E	Oil	Crude	Nk	North West Hutton	Plant upset.
OG/358	31-May	58-02N: 01-07E	Oil	Crude	12 litres	Britannia	O/B PW discharge 325ppm.
OG/1324	02-Jun	60-48N: 01-27E	Other	Oil based mud	100 litres	Ninian Southern	Hose failure during bunkering operation.
OG/359	02-Jun	61-34N: 01-36E	Oil	Base	640 litres	Ocean Guardian	Suspension fluid in unperforated well.
OG/244	03-Jun	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW overboard dump line from degasser.
OG/1325	04-Jun	53-50N: 00-27E	Oil	Hydraulic	0.04 litres	Rough	Crane engine.
OG/360	04-Jun	61-06N: 01-19E	Oil	Crude	Nk	North West Hutton	Loss of wells resulted in PW exceeding 100mg/kg.
OG/361	04-Jun	60-15N: 01-28E	Oil	Crude	Nk	Ninian Central	Oil Water caisson.
OG/362	04-Jun	61-37N: 01-18E	Oil	Crude	4.2 litres	Magnus	NK
OG/363	04-Jun	57-11N: 01-00E	Oil	Hydraulic	0.005 litres	Gannet Alpha	Leak from a subsea well hydraulic supply.
OG/1326	06-Jun	60-21N: 04-04W	Oil	Crude	50 litres	Schiehallion	PW system out of spec.
OG/200	07-Jun	53-11N: 02-51E	Oil	Condensate	3 litres	Sean Papa Platform	Maintenance on sphere launcher valve.
OG/371	07-Jun	59-19N: 01-33E	Oil	Crude	100 litres	Noble Ton Van Langeveld	Fall out at flare during well test operations.
OG/372	08-Jun	59-45N: 01-40E	Oil	Hydraulic	400 litres	Bruce	Joint failure on hydraulic supply to well.
OG/373	09-Jun	60-48N: 01-27E	Other	Oil-based mud	200 litres	Ninian Southern	Bunkering hose failure.
OG/374	10-Jun	58-42N: 01-17E	Oil	Crude	80 litres	Brae Alpha	Process upset.
OG/376	11-Jun	60-57N: 00-56E	Oil	Lubrication	6.4 litres	Heather Alpha	Utility sump caisson.
OG/202	12-Jun	53-03N: 02-14E	Oil	Condensate	0.01 litres	Leman	Caisson Pump level switch not functioning correctly
OG/185	13-Jun	53-33N: 01-22E	Oil	Diesel	7.8 litres	Galahad	Split diesel hose.
OG/377	14-Jun	60-15N: 01-28E	Oil	Crude	450 litres	Ninian Central	Manifold valve left open causing discharge.

OG/1327	15-Jun	57-05N: 00-54E	Oil	Crude	Nk	Triton FPSO	Process instability.
OG/186	15-Jun	54-03N: 02-29E	Oil	Lubrication	10 litres	Maersk Enhancer	Failed hose connection.
OG/1403	15-Jun	59-33N: 01-32E	Oil	Crude	Nk	Beryl Alpha	High oil in water from ballast system > 100pm.
OG/378	15-Jun	58-02N: 01-07E	Oil	Crude	2 litres	Britannia	Water turbulence in caisson.
OG/379	15-Jun	57-58N: 01-12E	Oil	Crude	24 litres	Forties Charlie	Platform start-up and slugging wells.
OG/380	15-Jun	61-02N: 01-07E	Oil	Crude	40 litres	Cormorant Alpha	Leaking isolation valves on sub-sea manifold.
OG/1408	16-Jun	53-23N: 02-01E	Chemical	Methanol	1 tonne	Loggs Field	Leakage in sub-sea pipeline.
OG/383	16-Jun	61-34N: 01-36E	Oil	Crude	200 litres	Ocean Guardian	Flare boom failure.
OG/187	19-Jun	53-57N: 00-35E	Other	Mud Oil (Red)	8 litres	Noble Julie Robertson	Burst hose on SB side of rig.
OG/203	19-Jun	53-02N: 02-13E	Oil	Hydraulic	5 litres	Juliet	Hole in crane hydraulic hose.
OG/384	20-Jun	60-49N: 01-44E	Oil	Oily waste	100 litres	Alwyn North	Loss of water seal.
OG/386	22-Jun	58-42N: 01-17E	Oil	Crude	4.4 litres	Brae Alpha	Level transmitter fault.
OG/387	22-Jun	57-44N: 00-58E	Oil	Diesel	8 litres	Forties Alpha	Pinhole leak in diesel bunkering hose.
OG/388	23-Jun	58-42N: 01-17E	Oil	Crude	2.5 litres	Brae Alpha	Failed valve on PW system.
OG/204	24-Jun	53-28N: 01-44E	Oil	Condensate	2 litres	Sole Pit Clipper	Maintenance incident.
OG/1328	24-Jun	61-36N: 01-33E	Oil	Hydraulic	0.01 litres	Penguin	Hydraulic leak on ROV.
OG/390	24-Jun	61-02N: 01-42E	Oil	Lubrication	10 litres	Brent Alpha	Leak on Ermeto fitting on Lube oil pressure sensing line.
OG/1329	24-Jun	57-58N: 00-04E	Oil	Crude	1.7 litres	Buchan Alpha	Subsea Tree on Well B2.
OG/391	24-Jun	57-28N: 00-31E	Oil	Diesel	0.0004 litres	Kittiwake Alpha	Changing out bulk loading hose.
OG/1330	25-Jun	59-19N: 01-33E	Other	Oil-based mud	100 litres	Noble Ton Van Langeveld	Tank Vent on Maersk Fetcher.
OG/393	26-Jun	57-11N: 01-00E	Oil	Crude	5 litres	Gannet Alpha	Chemical trial.
OG/394	26-Jun	59-33N: 01-32E	Oil	Crude	14 litres	Beryl Alpha	Centrifuge treatment malfunction.
OG/395	27-Jun	57-18N: 01-40E	Oil	Hydraulic	100 litres	ETAP	Broken hydraulic test valve.
OG/1332	30-Jun	53-32N: 03-34W	Oil	Diesel	16 litres	Douglas	PSV lifted and vented into the drain tundish.
OG/650	02-Jul	54-07N: 00-28E	Oil	Hydraulic	15 litres	Glomar Adriatic VI	Seal failure on ROV.
OG/396	02-Jul	60-15N: 01-28E	Oil	Crude	25 litres	Ninian Central	Required cutback due to low stock of chemical,
OG/397	02-Jul	59-45N: 01-40E	Oil	Diesel	25 litres	Bruce	Non hazardous open drain caisson
OG/553	03-Jul	53-03N: 01-41E	Oil	Diesel	120 litres	Hewett 48/29B	Storage tank overfilled.
OG/398	03-Jul	56-27N: 02-17E	Oil	Diesel	78 litres	Clyde	Leaking hose during bunkering operation.
OG/399	04-Jul	59-33N: 01-32E	Other	Cuttings	32 litres	Beryl Alpha	OBM Cuttings from drilling operations.
OG/400	04-Jul	59-19N: 01-33E	Oil	Diesel	100 litres	Noble Ton Van Langeveld	Drop out from flare burners.

OG/401	05-Jul	57-44N: 00-58E	Oil	Crude	200 litres	Forties Alpha	Platform ECS System failure.
OG/402	06-Jul	59-17N: 01-31E	Oil	Nk	1 litre	Harding	NK
OG/403	07-Jul	58-17N: 00-12E	Oil	Crude	8.5 litres	Scott	Produced Water System malfunction.
OG/1333	08-Jul	53-27N: 02-20E	Oil	Diesel	3.9 litres	Viking Bravo	Failure of HP drive seal on diesel Fuel supply.
OG/637	08-Jul	58-18N: 01-46W	Oil	Oily waste	3.6 litres	Captain WPP	Overflow of open drains tank oil side into water side.
OG/1334	09-Jul	57-18N: 01-40E	Oil	Hydraulic	80 litres	Seaway Osprey	Subsea hose connection failed
OG/404	09-Jul	56-24N: 02-15E	Oil	Crude	2.4 litres	Janice Alpha	PW upset.
OG/405	09-Jul	58-04N: 01-05E	Oil	Crude	300 litres	Alba Northern	Caused by open hazardous caisson.
OG/406	09-Jul	61-17N: 00-55E	Oil	Fuel	300 litres	Tern Alpha	Rupture of bunkering hose.
OG/407	09-Jul	56-30N: 02-09E	Oil	Crude	Nk	Fulmar Alpha	Production separator PW interface level control.
OG/409	10-Jul	58-00N: 00-10E	Oil	Crude	200 litres	Ocean Princess	Water based mud contaminated by crude oil.
OG/410	10-Jul	59-19N: 01-35E	Oil	Hydraulic	200 litres	Noble Ton Van Langeveld	Faulty oily water separator.
OG/412	11-Jul	58-17N: 00-12E	Oil	Crude	100 litres	Scott	Produced Water System malfunction.
OG/413	12-Jul	58-43N: 01-22E	Oil	Crude	3 litres	Miller	Hazardous open drain caisson
OG/555	13-Jul	53-03N: 02-11E	Oil	Diesel	30 litres	Leman Echo	Diesel tank overflow.
OG/556	13-Jul	53-01N: 01-48E	Oil	Light	0.8 litres	48/29	Sump tank vessel.
OG/418	16-Jul	61-21N: 01-10E	Oil	Crude	1 litre	Eider Alpha	Closed drains system fluids.
OG/419	16-Jul	57-06N: 00-51E	Oil	Hydraulic	14 litres	Santa Fe 140	Leaking one way valve
OG/420	16-Jul	61-02N: 01-42E	Oil	Lubrication	300 litres	Brent Alpha	Hose failure.
OG/651	18-Jul	54-28N: 02-22E	Oil	Hydraulic	9.1 litres	EnSCO 72	Leaking one way valve.
OG/1337	20-Jul	57-18N: 01-40E	Oil	Nk	Nk	S712	Heron subsea assets.
OG/639	20-Jul	58-25N:00-19W	Oil	Diesel	450 litres	Claymore Alpha	Mechanical failures.
OG/422	20-Jul	58-18N: 01-46W	Oil	Crude	70 litres	Captain WPP	BLP Cellar deck drains
OG/423	20-Jul	58-48N: 01-21E	Oil	Diesel	0.3 litres	Brae Bravo	Loss of seal on diesel centrifuge
OG/424	20-Jul	56-24N: 02-15E	Oil	Crude	170 litres	Janice Alpha	Oil in produced water at the degasser vessel.
OG/1338	21-Jul	58-11N: 00-07E	Oil	Crude	340 litres	Ivanhoe Rob Roy	Produced Water System malfunction.
OG/640	21-Jul	58-25N: 00-19W	Oil	Diesel	100 litres	Claymore Alpha	Defective bunkering hose.
OG/425	21-Jul	60-54N: 01-25E	Oil	Crude	150 litres	Ninian Northern	Process upset, crude carry over into PW.
OG/1339	22-Jul	53-02N: 02-19E	Other	Oil-based mud	200 litres	Santa Fe Monarch	Tank overflow during transfer operation.
OG/427	22-Jul	60-51N: 01-28E	Oil	Diesel	10 litres	Ninian Central	Process upset.
OG/430	23-Jul	57-28N: 00-31E	Oil	Hydraulic	13 litres	Kittiwake Alpha	Fault with Oil purification unit.

OG/431	23-Jul	57-10N: 01-26E	Oil	Hydraulic	0.3 litres	Santa Fe 140	Oily deck residue washed over side.
OG/437	25-Jul	57-58N: 00-04E	Oil	Crude	2 tonnes	Buchan Alpha	Failed coupling on flexible hose.
OG/1340	26-Jul	53-32N: 03-34W	Oil	Crude	Nk	Douglas	Open drains caisson.
OG/1341	27-Jul	57-18N: 01-40E	Oil	Nk	Nk	S712	NK
OG/438	27-Jul	60-54N: 01-25E	Oil	Crude	207 litres	Ninian Northern	Process upset.
OG/439	27-Jul	57-44N: 00-51E	Oil	Crude	25 litres	Forties Charlie	Leak from metering skid.
OG/440	27-Jul	58-11N: 00-07E	Oil	Crude	330 litres	AH001	Produced Water System malfunction.
OG/441	29-Jul	61-06N: 01-19E	Oil	Lubrication	5 litres	North West Hutton	Leak from a flange on a lube oil line.
OG/641	30-Jul	58-25N :00-19W	Oil	Crude	41 litres	Claymore Alpha	Blocked storm drains.
OG/442	30-Jul	61-06N: 01-04E	Oil	Crude	79 litres	Cormorant Alpha	Failure of demulsifier pump.
OG/642	01-Aug	58-06N: 01-26W	Oil	Lubrication	4 litres	Bleo Holm	Gasket incorrectly installed.
OG/443	01-Aug	57-54N: 00-02E	Oil	Crude	20 litres	Buchan Alpha	PW outfall during well test.
OG/1342	02-Aug	57-18N: 01-40E	Oil	Diesel	780 litres	ETAP	Diesel storage tank overflow.
OG/445	02-Aug	59-37N: 01-31E	Oil	Diesel	130 litres	Beryl Bravo	Split in hose.
OG/446	03-Aug	60-54N: 01-25E	Oil	Crude	18 litres	Ninian Northern	HP separator interface control problems.
OG/447	04-Aug	61-02N: 01-42E	Oil	Diesel	0.7 litres	Brent Alpha	Diesel fuel oil leaking from filter seal.
OG/1343	05-Aug	59-17N: 01-31E	Oil	Lubrication	0.8 litres	Harding	Cementer unit.
OG/1344	05-Aug	60-15N: 01-28E	Oil	Crude	25 litres	Ninian Central	Oil water caisson.
OG/1345	06-Aug	53-34N: 03-40W	Oil	Condensate	3.3 litres	Morecambe	Human error.
OG/451	06-Aug	58-25N: 00-20E	Oil	Crude	5 litres	Saltire Alpha	PW caisson.
OG/452	07-Aug	56-43N: 01-18E	Oil	Crude	4 litres	Maersk Curlew	Overflowed bund beneath separator
OG/1346	11-Aug	61-24N: 01-44E	Oil	Crude	50 litres	Murchison	Plant upset.
OG/1347	11-Aug	58-25N: 00-20E	Other	Oil-based mud	500 litres	15/17	Failure in casing pack off.
OG/454	11-Aug	61-37N: 01-18E	Oil	Lubrication	2 litres	Magnus	Failed coupling.
OG/456	12-Aug	58-17N: 00-12E	Oil	Crude	6 litres	Scott	Separator interface control valve problem.
OG/1348	14-Aug	61-06N: 01-43E	Oil	Crude	10 litres	Brent Charlie	Wet deluge testing.
OG/458	15-Aug	61-06N: 01-19E	Oil	Crude	54 litres	North West Hutton	Production drains Caisson.
OG/460	15-Aug	61-17N: 00-55E	Oil	Diesel	39 litres	Tern Alpha	Relief valve discharge into tundish.
OG/1349	16-Aug	53-54N: 03-40W	Oil	Diesel	3.9 litres	Morecambe	Deluge flooding of topsides.
OG/462	17-Aug	60-15N: 01-28E	Oil	Crude	100 litres	Ninian Central	Still under investigation.
OG/633	18-Aug	60-22N: 04-09W	Oil	Crude	10 litres	Schiehallion	Thermal relief valves.

OG/1351	19-Aug	57-18N: 01-50E	Oil	Base oil	5 litres	Mirren West	Mud hose ruptured.
OG/1350	19-Aug	56-30N: 02-09E	Oil	Diesel	50 litres	Fulmar Alpha	Bunkering hose split.
OG/1352	20-Aug	57-18N: 01-50E	Other	Oil-based mud	5 litres	Mirren West	Mud hose ruptured.
OG/467	20-Aug	60-54N: 01-16E	Oil	Crude	200 litres	Ninian Southern	Source identified as subsea manifold.
OG/1353	21-Aug	58-11N: 00-07E	Oil	Crude	250 litres	Ivanhoe Rob Roy	Produced Water System malfunction.
OG/469	21-Aug	60-49N: 01-44E	Oil	Diesel	100 litres	Alwyn North	Loading hose failure.
OG/470	22-Aug	60-15N: 01-28E	Oil	Crude	100 litres	Ninian Central	Still under investigation.
OG/471	22-Aug	57-40N: 01-09E	Other	Oil-based mud	50 litres	Nelson	Discharge of OBM whilst pressuring up
OG/1354	23-Aug	57-18N: 01-50E	Other	Oil-based mud	30 litres	Mirren West	Upper slip joint packer weeping.
OG/472	23-Aug	60-54N: 01-25E	Oil	Hydraulic	0.7 litres	Ninian Northern	Maintenance on Xmas tree hydraulic actuator.
OG/473	23-Aug	59-33N: 01-39E	Oil	Crude	Nk	Global Producer III	Process upset
OG/474	23-Aug	60-57N: 01-41E	Oil	Crude	0.002 litres	Sedco 704	Build up of rainwater in drain.
OG/476	23-Aug	60-48N: 01-27E	Oil	Crude	Nk	Ninian Southern	Lyell subsea manifold.
OG/479	25-Aug	60-15N: 01-28E	Oil	Crude	100 litres	Ninian Central	Drain system identified as source.
OG/565	26-Aug	53-10N: 02-52E	Oil	Hydraulic	1.6 litres	Maersk Enhancer	Pinhole in hard piping system.
OG/482	26-Aug	57-11N: 01-00E	Oil	Crude	678 litres	Gannet Alpha	Carry over from separator.
OG/483	26-Aug	57-01N: 01-50E	Oil	Hydraulic	Nk	Elgin Franklin PUQ	Small spillage after routine maintenance.
OG/485	27-Aug	60-15N: 01-28E	Oil	Crude	1.25 tonnes	Ninian Central	Produced Water System malfunction.
OG/484	27-Aug	57-00N: 01-50E	Oil	Hydraulic	0.1 litres	Elgin Franklin PUQ	Possible seal failure in cooling oil system.
OG/1355	28-Aug	61-06N: 01-43E	Oil	Crude	0.8 litres	Brent Charlie	Mechanical seal leak.
OG/487	28-Aug	58-25N: 00-16E	Oil	Lubrication	Nk	South Piper	Trace of lube oil in wash water.
OG/490	29-Aug	59-22N: 01-34E	Oil	Crude	48 litres	Gryphon Alpha	Leak from well head cluster.
OG/493	30-Aug	59-37N: 01031E	Oil	Crude	Nk	Beryl Bravo	PW instability 110ppm.
OG/495	31-Aug	59-36N: 01-31E	Oil	Crude	Nk	Beryl Bravo	PW control upset 120ppm.
OG/539	01-Sep	53-22N: 02-34E	Oil	Diesel	16 litres	Indefatigable	Bunkering hose cut by propellor.
OG/1409	02-Sep	59-45N: 01-40E	Chemical	Denaturated alcohol	6 tonnes	Bruce	Leakage in seabed line.
OG/1356	03-Sep	60-51N: 01-28E	Oil	Crude	45 litres	Ninian Central	Third Party.
OG/1357	03-Sep	61-19N: 01-03E	Oil	Hydraulic	1.2 litres	S712	Connection released on hydraulic hose.
OG/498	03-Sep	61-53N: 01-43E	Oil	Crude	0.5 litres	Brent Charlie	Overflow of gulley drains in RPML.
OG/499	03-Sep	61-19N: 01-03E	Oil	Hydraulic	3.2 litres	S712	Connection released on hydraulic hose.
OG/541	04-Sep	53-50N: 00-27E	Oil	Diesel	7 litres	Rough 47/3B	Fuel gauge was stuck at low point tank overflowed.

OG/504	06-Sep	56-58N: 01-52E	Oil	Nk	0.1 litres	Franklin	Suspect grease containment from Franklin WHP.
OG/505	07-Sep	57-54N: 00-02E	Oil	Crude	20 litres	Buchan Alpha	Platform separator.
OG/506	08-Sep	60-49N: 01-44E	Oil	Crude	Nk	Alwyn North	Separation equipment shut down.
OG/1359	09-Sep	53-03N: 02-17E	Oil	Hydraulic	2 litres	Leman	Steel plug blew out of hydraulic block on main winch.
OG/508	09-Sep	56-24N: 02-03E	Oil	Diesel	250 litres	Auk Alpha	Split hose during bunkering operation.
OG/509	09-Sep	59-37N: 01-31E	Oil	Crude	Nk	Beryl Bravo	Solids in the PW system.
OG/511	11-Sep	58-03N: 01-05E	Oil	Diesel	300 litres	Alba Northern	Drains pump unable to cope with contents.
OG/514	11-Sep	58-42N: 01-17E	Oil	Crude	1.5 litres	Brae Alpha	Gas lift pressure trials.
OG/1361	13-Sep	60-51N: 01-28E	Oil	Crude	50 litres	Ninian Central	Oil water caisson ongoing problem
OG/517	13-Sep	58-22N: 00-04E	Oil	Crude	20 litres	Tartan Alpha	Unexpected volume of oil found in flushed pipework.
OG/1362	13-Sep	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW upset.
OG/518	13-Sep	56-59N: 01-19E	Oil	Hydraulic	Nk	Sedco 711	Drips from pipe racking crane control lines on drill floor.
OG/1363	14-Sep	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW upset.
OG/521	15-Sep	60-49N: 01-44E	Oil	Crude	40 litres	Alwyn North	Unstable level control.
OG/522	15-Sep	58-28N: 00-15E	Oil	Crude	0.5 litres	Piper Bravo	Failed joint on redundant flushing line.
OG/1364	16-Sep	61-14N: 01-09E	Oil	Crude	Nk	North Cormorant	Process start up.
OG/525	16-Sep	58-27N: 00-15E	Oil	Crude	300 litres	Piper Bravo	Open drains caisson discharge.
OG/526	16-Sep	58-25N: 00-19E	Oil	Diesel	16 litres	Claymore Alpha	Leaking online filter drain valve.
OG/527	16-Sep	57-28N: 00-32E	Oil	Crude	1 litre	Kittiwake Alpha	Fault with hose coupling jaw mechanism.
OG/1365	17-Sep	53-22N: 02-34E	Oil	Condensate	4 litres	Indefatigable	Liquids within the gas process.
OG/1366	17-Sep	53-27N: 02-20E	Oil	Diesel	78 litres	Viking Bravo	Severed diesel bunkering hose.
OG/528	17-Sep	56-30N: 02-09E	Oil	Diesel	60 litres	Fulmar Alpha	Vessel overflowed into Atmospheric vent header to sea.
OG/529	17-Sep	61-21N: 01-10E	Oil	Crude	100 litres	Eider Alpha	Investigation underway.
OG/530	18-Sep	60-57N: 01-41E	Oil	Crude	4 litres	Sedco 704	Human error.
OG/566	20-Sep	52-36N: 01-30E	Oil	Condensate	0.7 litres	Hewett 52-5 Alpha	Control valve failure.
OG/531	20-Sep	56-24N: 02-15E	Oil	Crude	170 litres	Janice Alpha	Pump failure leading build up in degasser vessel.
OG/532	23-Sep	60-51N: 01-28E	Oil	Nk	1.8 tonnes	Ninian Central	Separator level control problem.
OG/534	23-Sep	58-47N: 01-21E	Oil	Diesel	0.1 litres	Brae Bravo	Residual diesel was spilt to sea from hose.
OG/535	23-Sep	56-59N: 01-19E	Oil	Diesel	2 litres	Sedco 711	Pin hole leak in rig fuel transfer hose.
OG/536	25-Sep	60-15N: 01-28E	Oil	Crude	100 litres	Ninian Central	HP Separator interface problems.
OG/537	27-Sep	61-06N: 01-19E	Oil	Hydraulic	0.1 litres	North West Hutton	Safe water drain.

OG/1367	29-Sep	57-06N: 00-51E	Oil	Hydraulic	Nk	Santa Fe 140	NK
OG/1368	29-Sep	53-22N: 02-34E	Oil	Diesel	30 litres	Indefatigable	Burst diesel bunkering hose.
OG/756	29-Sep	60-15N: 01-28E	Oil	Crude	1.20 tonnes	Ninian Central	25 discharges over 27 days from the same source.
OG/1369	30-Sep	59-19N: 01-33E	Oil	Crude	100 litres	Noble Ton Van Langeveld	Fall out at flare during well test operations.
OG/753	01-Oct	57-01N: 01-50E	Oil	Nk	Nk	Elgin Franklin PUQ	Third party.
OG/755	02-Oct	58-11N: 00-07E	Oil	Crude	90 litres	Ivanhoe Rob Roy	Well slugging.
OG/1370	06-Oct	53-54N: 03-40W	Oil	Diesel	0.1 litres	Morecambe	Problem with Vacuum breaker at start of bunkering.
OG/762	08-Oct	56-30N: 02-09E	Oil	Crude	200 litres	Fulmar Alpha	Overflow of hazardous drains system caisson.
OG/763	09-Oct	59-33N: 01-32E	Oil	Crude	Nk	Beryl Alpha	Discharge from ballast system during chemical trials.
OG/764	10-Oct	58-11N: 00-07E	Oil	Crude	620 litres	Ivanhoe Rob Roy	Entrained oil in produced water.
OG/1371	12-Oct	57-18N: 01-40E	Oil	Condensate	0.2 litres	Mungo	Uncontrolled venting.
OG/767	13-Oct	53-21N: 02-36E	Oil	Hydraulic (Tellus T15)	10 litres	Mike Platform	High Pressure pump seal failure.
OG/768	13-Oct	61-36N: 01-33E	Other	Oil-based mud	0.87 litres	Ocean Guardian	Drilling fluid spilled while pulling out of hole.
OG/769	13-Oct	57-05N: 00-54E	Oil	Crude	1.2 tonnes	Triton FPSO	Offloading hose parted during transfer to tanker.
OG/1372	15-Oct	61-02N: 01-08E	Oil	Nk	Nk	Sedco 714	Third party.
OG/1373	15-Oct	57-40N: 01-09E	Oil	Diesel	40 litres	Nelson	Burst bunkering hose.
OG/771	15-Oct	54-14N: 02-23E	Oil	Diesel	2 litres	Ensco 72	Hose possibly not fully drained after last used.
OG/776	15-Oct	61-02N: 01-04E	Oil	Crude	0.5 litres	Brent Alpha	Contaminated drain overflow.
OG/777	16-Oct	58-11N: 00-07E	Oil	Oily waste	8 litres	AH001	Entrained oil from washing down operations.
OG/778	16-Oct	57-04N: 02-05E	Oil	Well fluids	70 litres	Sedco 714	Premature opening of the gas bypass flapper valve.
OG/780	16-Oct	59-33N: 01-32E	Oil	Crude	33 litres	Beryl Alpha	Pinhole leak on pipework.
OG/781	17-Oct	58-17N: 00-12E	Oil	Crude	25 litres	Scott	PW upset.
OG/1374	18-Oct	61-22N: 01-35E	Oil	Hydraulic	20 litres	Seaway Osprey	Loose hydraulic fitting on subsea pod.
OG/784	22-Oct	61-06N: 01-19E	Oil	Diesel	0.1 litres	NW Hutton	Safe water drain.
OG/1375	23-Oct	60-21N: 04-04W	Oil	Crude	Nk	Schiehallion	PW system excursion.
OG/786	25-Oct	57-54N: 01-02E	Oil	Crude	Nk	Buchan Alpha	HP separator level switch malfunction 115ppm.
OG/787	26-Oct	61-03N: 01-43E	Oil	Diesel	5 litres	Brent Bravo	Overflow of diesel tank.
OG/789	27-Oct	59-22N: 01-34E	Oil	Crude	230 litres	Gryphon A	Crude/water mix.
OG/1376	29-Oct	56-28N: 02-15E	Other	Oil-based mud	31 litres	Janus	Reduced air pressure to riser slip joint packer seal.
OG/730	31-Oct	53-38N: 03-10W	Oil	Diesel	Nk	Ensco 85	Leaking joint on transfer hose.
OG/792	31-Oct	61-36N: 01-33E	Oil	Base oil	250 litres	Penguin	Base oil spray blown into the sea.

OG/793	01-Nov	58-26N: 01-17E	Oil	Crude	18.5 litres	Ocean Nomad	Production well bore.
OG/794	01-Nov	60-49N: 01-44E	Oil	Crude	2 tonnes	Alwyn North	Plant separation process upset.
OG/795	03-Nov	59-22N: 01-34E	Oil	Crude	1.36 tonnes	Gryphon A	Produced Water System malfunction.
OG/1377	05-Nov	57-57N: 01-51E	Oil	Diesel	4 litres	GSF Galaxy III	Small hole in hose.
OG/796	06-Nov	53-24N: 02-39E	Oil	Hydraulic	80 litres	Brigantine BG	Hydraulic fitting on wellhead.
OG/744	07-Nov	60-21N: 04-04W	Oil	Crude	370 litres	Schiehallion	Produced Water System malfunction.
OG/800	07-Nov	57-00N: 01-50E	Oil	Lubrication	240 litres	Elgin Franklin PUQ	Failure of pump seal on cooling oil system.
OG/1378	08-Nov	61-14N: 01-09E	Oil	Condensate	80 litres	North Cormorant	Underflow from sea sump.
OG/801	08-Nov	58-43N: 01-24E	Oil	Diesel	0.25 litres	Miller	Pin hole leak in bunkering hose.
OG/743	11-Nov	60-21N: 04-04W	Oil	Crude	350 litres	Schiehallion	Produced Water System malfunction.
OG/802	11-Nov	56-43N: 01-18E	Oil	Crude	83 litres	Maersk Curlew	Overboard from slop tanks.
OG/803	12-Nov	58-11N: 00-07E	Oil	Crude	Nk	Ivanhoe Rob Roy	Well flowing back after work over..
OG/804	13-Nov	61-02N: 01-08E	Oil	Hydraulic	41 litres	Sedco 712	Burst pilot hose on subsea umbilical.
OG/806	14-Nov	58-28N: 00-15E	Oil	Crude	30 litres	Piper Bravo	PW system instability.
OG/807	14-Nov	59-45N: 01-40E	Oil	Lubrication	0.7 litres	Bruce	Lube oil condensing in vent.
OG/1379	16-Nov	61-17N: 00-55E	Oil	Hydraulic	20 litres	Tern Alpha	Human error.
OG/808	16-Nov	61-24N: 01-44E	Oil	Crude	1.3 tonnes	Murchison	Pump failure.
OG/809	16-Nov	60-54N: 01-25E	Other	Oil-based mud	200 litres	Ninian Northern	Return flowline cover plate dislodged.
OG/810	17-Nov	61-16N: 01-35E	Oil	Hydraulic	Nk	Dunlin Alpha	Leak Osprey subsea manifold hydraulic system.
OG/811	17-Nov	59-33N: 01-39E	Other	Oil-based mud	160 litres	Leadon	Discharge from downstream enhancement vessel.
OG/813	18-Nov	58-25N: 00-10W	Other	Oil-based mud	200 litres	Claymore Alpha	Spillage into platform drains.
OG/814	19-Nov	61-06N: 01-19E	Oil	Diesel	0.1 litres	North West Hutton	PW system instability.
OG/818	20-Nov	56-30N: 02-09E	Oil	Crude	556 litres	Fulmar Alpha	Production Separator malfunction.
OG/819	21-Nov	57-28N: 00-31E	Oil	Crude	162 litres	Kittiwake Alpha	Cause not fully investigated at time of reporting.
OG/820	22-Nov	57-43N: 00-54E	Oil	Crude	100 litres	Forties Delta	Crude and water mixed.
OG/822	25-Nov	61-16N: 01-36E	Oil	Diesel	7.8 litres	Dunlin Alpha	Diesel bunkering line fractured.
OG/823	01-Dec	57-05N: 00-54E	Oil	Crude	230 litres	Triton FPSO	Discharge of slop tanks caused by plant instability.
OG/745	02-Dec	60-19N: 04-17W	Oil	Lubrication	45 litres	Petrojarl Foinaven	Broken tube in cooler.
OG/824	02-Dec	57-44N: 00-58E	Oil	Diesel	25 tonnes	Forties Alpha	Accidental draining of fuel to open drain pump.
OG/825	03-Dec	56-30N: 02-10E	Oil	Diesel	160 litres	Fulmar Alpha	Bunkering spillage.
OG/827	03-Dec	61-02N: 01-42E	Oil	Diesel	1.6 tonnes	Brent Alpha	Damaged bunkering hose.

OG/828	03-Dec	57-27N: 01-23E	Oil	Crude	366 litres	Montrose Alpha	Cooling water dump to sea.
OG/829	04-Dec	59-33N: 01-32E	Oil	Crude	Nk	Beryl Alpha	High oil in water from ballast system 137 ppm.
OG/831	09-Dec	61-06N: 01-43E	Other	Oil-based mud	159 litres	Brent Charlie	Burst misalignment joint.
OG/834	12-Dec	59-36N: 01-30E	Oil	Crude	45 litres	Piper Bravo	Carry over from open drains discharge caisson.
OG/835	13-Dec	56-29N: 02-09E	Oil	Diesel	2 litres	Fulmar Alpha	Diesel storage leg overflowed due to faulty level indicator.
OG/837	15-Dec	58-48N: 01-21E	Oil	Crude	0.0225 litres	Brae Bravo	Disposal pump outage for replacement.
OG/838	16-Dec	57-57N: 01-51E	Oil	Condensate	Nk	Armada	Leaking valve (ESD)
OG/840	16-Dec	60-38N: 01-39E	Oil	Light	0.2 litres	Dunbar	Caisson pump not working properly.
OG/841	16-Dec	59-45N: 01-40E	Oil	Lubrication	17 litres	Bruce	Contamination in bund in glycol regeneration package.
OG/842	16-Dec	57-54N: 00-02E	Oil	Crude	Nk	Buchan Alpha	Production process upset.
OG/843	18-Dec	54-02N: 00-58E	Oil	Hydraulic	40 litres	Ravenspurn South	Failure of a hydraulic compression fitting.
OG/844	21-Dec	61-08N: 01-44E	Other	Oil-based mud	150 litres	Brent Delta	Leakage in mud bunkering hose.
OG/845	21-Dec	53-54N: 00-33E	Oil	Base oil	307 litres	GSF Labrador	Transfer hose burst during supply boat operation.
OG/848	25-Dec	57-27N: 01-23E	Oil	Crude	25 litres	Montrose Alpha	Failure of pump casing vent line welded fitting.
OG/489	26-Dec	58-25N: 00-20E	Oil	Crude	Nk	Saltire Alpha	Plant upset.
OG/850	29-Dec	57-57N: 01-51E	Oil	Condensate	16 litres	GSF Galaxy III	Flaring Ops.
OG/1380	30-Dec	57-57N: 01-51E	Oil	Condensate	0.1 litres	GSF Galaxy III	On-going flare deposit.
OG/1381	31-Dec	60-54N: 01-25E	Oil	Crude	Nk	Ninian Northern	V.small quantity of oil from shakers.
OG/851	31-Dec	61-06N: 01-43E	Oil	Crude	120 litres	Brent Charlie	Produced Water System malfunction.
OG/852	31-Dec	58-18N: 01-46W	Oil	Crude	15 litres	Captain WPP	Overflow of drains tote tank.

11: UKCS VESSEL DISCHARGES							
Reference	Date	Location	Category	Type	Amount	Source	Comments
UKCS/126	21-Jan	59-22N: 01-34E	Oil	Crude	900 litres	Unidentified vessel	Samples taken from standby vessel.
UKCS/1382	08-Mar	58-43N:01-22E	Oil	Nk	Nk	Unidentified vessel	Reported by Miller installation.
UKCS/162	21-Mar	60-54N: 01-25E	Oil	Nk	250 litres	Unidentified vessel	Reported by Ninian Northern installation.
UKCS/1291	01-Apr	57-05N: 02-05E	Oil	Crude	Nk	Unidentified vessel	Reported by Sedco 714 installation.
UKCS/282	12-Apr	61-06N: 01-43E	Oil	Crude	Nk	Unidentified vessel	Reported by Brent Charlie installation.
UKCS/286	14-Apr	56-42N: 02-15E	Oil	Crude	5 litres	Unidentified vessel	Reported by JW McClean installation.
UKCS/288	15-Apr	58-04N: 01-05E	Oil	Crude	2 litres	Unidentified vessel.	Reported by Alba installation.
UKCS/1305	17-Apr	59-33N: 01-39E	Oil	Nk	Nk	Unidentified vessel	Reported by Borgsten Dolphin installation.
UKCS/295	18-Apr	58-22N: 00-04E	Oil	Nk	20 litres	Unidentified vessel	Reported by Tartan Alpha installation.
UKCS/301	27-Apr	61-17N: 00-55E	Oil	Crude	3 litres	Unidentified vessel	Reported by Tern Alpha installation.
UKCS/1309	30-Apr	57-11N: 00-58E	Oil	Hydraulic	Nk	Unidentified vessel	Reported by Global Santa Fe 140 installation.
UKCS/327	15-May	61-12N: 01-22E	Oil	Nk	Nk	Unidentified vessel	Reported by Helibuis 801.
UKCS/1383	21-May	60-15N: 01-28E	Oil	Crude	Nk	Unidentified vessel	Reported by Ninian Central installation.
UKCS/1384	22-May	61-17N: 00-55E	Oil	Crude	Nk	Unidentified vessel	Reported by Tern Alpha installation.
UKCS/1385	24-May	61-38N:01-30E	Oil	Diesel	Nk	Unidentified vessel	Reported by Ocean Guardian installation.
UKCS/264	24-Jun	56-44N: 02-30E	Oil	Fuel	9.3 tonnes	Mfv Devotion	Spillage following collision with Mfv Fruitful.
UKCS/392	25-Jun	59-19N: 01-33E	Oil	Diesel	100 litres	Msv Maersk Fetcher	Spillage following tank overflow.
UKCS/1331	28-Jun	59-32N:01-34E	Oil	Nk	12 litres	Unidentified vessel	Reported by Gryphon Alpha installation.
UKCS/408	09-Jul	58-06N: 01-07E	Oil	Fuel	100 litres	Msv Swift 1	Blowback during bunkering operation.
UKCS/1336	14-Jul	59-34N: 01-40E	Oil	Crude	100 litres	Unidentified vessel	Reported by Global Producer III installation.
UKCS/414	14-Jul	59-33N: 01-39E	Oil	Crude	100 litres	Unidentified vessel	Reported by Thistle Alpha installation.
UKCS/1386	23-Jul	57-18N: 01-40E	Oil	Nk	Nk	Unidentified vessel	Reported by S 712 installation.
UKCS/449	04-Aug	60-15N: 01-28E	Oil	Crude	100 litres	Unidentified vessel	Reported by Ninian Central installation.
UKCS/1388	15-Aug	59-32N: 01-34E	Oil	Nk	Nk	Unidentified vessel	Reported by Gryphon Alpha installation.
UKCS/463	19-Aug	56-30N: 02-09E	Oil	Diesel	50 litres	Msv Skandi Foula	Hose failure during bunkering operation.
UKCS/1390	24-Aug	59-11N: 01-37E	Oil	Nk	Nk	Unidentified vessel	Reported by Paul B Lloyd installation.
UKCS/1391	26-Aug	60-51N: 01-28E	Oil	Nk	Nk	Unidentified vessel	Reported by Ninian Central installation.
UKCS/496	01-Sep	60-54N: 01-25E	Oil	Crude	Nk	Unidentified vessel	Reported by Ninian Northern installation.
UKCS/500	03-Sep	58-17N: 00-28E	Oil	Crude	8.5 litres	Unidentified vessel	Reported by Northern Producer installation.

UKCS/1392	12-Sep	56-42N: 02-20E	Oil	Lubrication	Nk	Unidentified vessel	Reported by Judy installation.
UKCS/533	23-Sep	59-22N: 01-34E	Oil	Crude	0.08 litres	Unidentified vessel	Reported by Gryphon Alpha installation.
UKCS/752	29-Sep	60-38N: 01-39E	Oil	Light	33 litres	Unidentified vessel	Reported by Msv Grampian Hunter at Dunbar Platform.
UKCS/1394	01-Oct	57-00N: 01-50E	Oil	Nk	Nk	Unidentified vessel	Reported by Elgin Franklin installation.
UKCS/754	02-Oct	58-12N: 00-06E	Oil	Crude	100 litres	Unidentified vessel	Reported by Mv CSO Alliance.
UKCS/759	04-Oct	57-23N: 02-00E	Chemical	Fracture slurry	15 tonnes	Msv BJ Vestfonn	Accidental discharge from vessel next to installation.
UCKS/761	06-Oct	58-22N: 00-04E	Oil	Fuel	40 litres	Unidentified vessel	Reported by Tartan Alpha installation.
UKCS/1396	15-Oct	61-02N: 01-08E	Oil	Nk	Nk	Unidentified vessel	Reported by S 712 installation.
UKCS/772	16-Oct	61-02N: 01-08E	Oil	Nk	Nk	Unidentified vessel	Reported by Sedco 714 installation.
UKCS/782	18-Oct	61-22N: 01-35E	Oil	Hydraulic	25 litres	Msv Seaway Osprey	Accidental spillage through mechanical problem.
UKCS/1398	23-Oct	59-32N: 01-34E	Oil	Crude	200 litres	Unidentified vessel	Reported by Gryphon Alpha installation.
UKCS/805	13-Nov	58-28N: 00-15E	Oil	Crude	100 litres	Unidentified vessel	Reported by Piper Bravo installation.
UKCS/812	18-Nov	60-43N: 00-30E	Other	Nk	60 litres	Mv Afrika	Reported by surveillance aircraft.
UKCS/1401	19-Nov	59-37N: 01-31E	Oil	Nk	Nk	Unidentified vessel	Reported by Beryl Bravo installation.

APPENDIX TWO

SURVEY QUESTIONNAIRE AND ACCOMPANYING GUIDELINES

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
 7. Not known
(select appropriate box)

6. Position or location of pollution
 Lat. / Long. **OR** National grid coordinates if known

(insert details)

5. Length of time pollution remained:

At sea days weeks
 not known

On shore days weeks

8. Length of coast affected

kms

OR from:
to:

OR not known:
(insert details or select 'not known')

7. Estimated volume of pollution

litres not known
 m³
 tonnes
(insert amount and select units)

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"/> 2. Slick up to 3 metres (10') wide <input type="checkbox"/> 3. Several slicks up to 3 metres (10') wide; or big slick 100 metres (300') extent <input type="checkbox"/> 4. Large slick, 100 metres to 1.6 km (1 mile) in extent <input type="checkbox"/> 5. Very large slick over 1.6km (1 mile) in extent <input type="checkbox"/> 6. Not known <input type="checkbox"/> <i>(select appropriate box)</i></p>	<p><i>On shore</i></p> <p>1. Film, blobs or lumps on shore or debris <input type="checkbox"/> 2. Band up to 1 metre wide <input type="checkbox"/> 3. Band of pollution several metres wide, or large patches all over the shore <input type="checkbox"/> 4. Very thick band of pollution; exposed shore 50% to 80% covered <input type="checkbox"/> 5. Shore totally covered with pollution <input type="checkbox"/> 6. Not known <input type="checkbox"/> <i>(select appropriate box)</i></p>
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11. Type of vessel or offshore installation

1. Coastal tanker / VLCC

2. Chemical tanker

3. General cargo vessel

4. Fishing vessel

5. Offshore support vessel

6. Pleasurecraft

7. Offshore oil installation

8. Wreck

9. Other

10. Not known

(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)		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"/>

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

GUIDELINES TO AID COMPLETION OF THE SURVEY FORM

The revised survey form introduced in 2000 is very similar to the previous version. The new version, however, requests information on incidents involving a wider range of pollutants including mineral oil (**MARPOL I**), noxious liquid substances (**MARPOL II**) and garbage (**MARPOL V**).

Reports are requested for pollution incidents attributed only to discharges, or suspected discharges, from vessels and offshore installations operating within the UK Pollution Control Zone, harbour waters and national waters. Information is no longer requested for pollution incidents attributed to land-based sources such as industrial premises, sewers and outfalls.

The revised survey form is, therefore, shorter and easier to complete than the old version. Annual returns can be made either by **E-mail** or by post. If using **E-mail** please click on the boxes provided and insert other information in the spaces provided. The **E-Mail** and postal versions of the survey form can be downloaded from the ACOPS website at <http://www.acops.org> (under UK surveys on the main menu). A summary of the survey results for last year is also provided. 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 no longer 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 E-mail address which can be used in future surveys.

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