COMPILATION ON

SHIP ACCIDENTS IN THE BALTIC SEA AREA 1989 - 1999

FINAL REPORT

PREPARED BY THE MINISTRY OF ENVIRONMENT PROTECTION AND REGIONAL DEVELOPMENT OF THE REPUBLIC OF LATVIA MARINE ENVIRONMENT BOARD

for HELCOM SEA 2/2001

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INTRODUCTION

Pollution of the Baltic Sea Area due to ship transport has been recognized as an actual problem since the Baltic Sea States adopted the Helsinki Convention.

Ships could cause marine environment pollution not only by violating pollution prevention regulations, but also getting into an accident that makes spillages of oil or other harmful substances. Discussion on safety of tankers carrying high-density fuel oils has been going on in frames of the Helsinki Commission (HELCOM) for several years. At present a Swedish proposal to ban certain single hull tankers from operation in the Baltic Sea Area has been brought forward for discussion in the Sea based pollution group (HELCOM SEA).

On the basis of this proposal submitted by Sweden to HELCOM MC 25/99 and reproduced in the document HELCOM SEA 1/2000, 2.3/1 "Oil transportation in the Baltic Sea Area and the risk for accidental oil pollution from large single hull oil tankers" Latvia proposed to carry out data compilation on all ship accidents occurred during the last 10 years in the Baltic Sea Area in order to get information on dynamics of ship accidents depending on type of a ship.

The intention of this compilation was to obtain an overview of all ship accidents from 1989 to 1999 in the Baltic Sea Area, not only on accidents involving single or double hull oil tankers. Representation of these accidents in a map would allow to identify the main locations of ship accidents, types of ships involved into accidents and consequences for the marine environment.

As it was stated in the HELCOM SEA 1/2000 meeting, on the basis of this compilation it should be considered whether there is a need for further actions to be proposed, as well as this information could be used in an updated assessment of the risk of oil spills in the Baltic Sea Area which should serve as a background material for possible reassessment of the HELCOM combatting plan.

SHORT DESCRIPTION OF THE PROJECT

Collecting of information

In order to obtain information on ship accidents during the last 10 years in the Baltic Sea Area there was elaborated a data collection table that Contracting Parties filled-in.

All data submitted by the Contracting Parties were compiled in a common table and some necessary specifications were made afterwards.

Data processing and map making

As a basis for representation of ship accident data in a map was used the map of the Baltic Sea Area kindly provided by Ms. Sunhild Wilhelms from BSH (*Bundesamt fuer Seeshiffahrt und Hydrographie*), Germany.

There were created several data tables in Map Info 4.5 format concerning time, location and consequences of accidents, type of a ship, tonnage etc.

Considering that the compilation concerns only accidents in the Baltic Sea Area, data on lakes and rivers, which some countries submitted, were not taken into account.

Data were classified and the following graphs:

- Ship accidents and types of ships involved in the accidents from 1989 to 1999;
- Single hull and double hull oil tanker accidents with and without oil pollution;

and maps were made:

- All ship accidents causing oil pollution;
- Single hull and double hull oil tanker accidents;
- Single hull oil tanker accidents with and without oil pollution;
- Double hull oil tanker accidents with and without oil pollution;
- Single hull oil tanker accidents with oil pollution depending on amount of pollution;
- Ship collisions;
- Ship groundings.

A map on double hull oil tanker accidents depending on amount of pollution was not made because data only on two cases, where amount of pollution is known, were submitted, in both – it was $< 10 \text{ m}^3$.

Project results

The draft of the project final report was sent to the HELCOM Secretariat and to all Contracting Parties for possible additions or corrections. There were received a few comments from Lithuania and Russia and some changes made accordingly.

The compilation was presented at the HELCOM SEA 2/2001 meeting, where also some comments and proposals were received from the Contracting Parties. During the finalization of the compilation were got also data from Germany, so that the compilation now contains data of all HELCOM Contracting Parties.

The following conclusions were drawn:

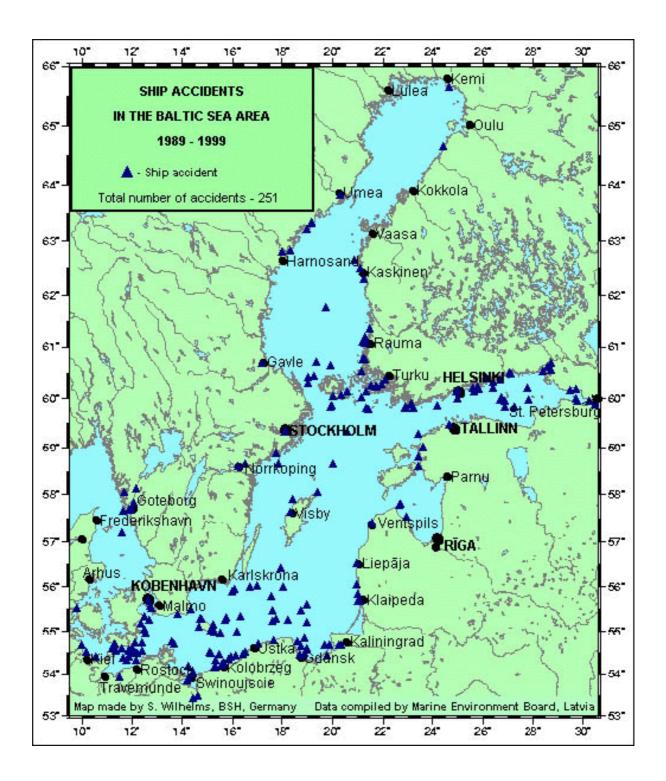
• The total number of ship accidents occurred in the Baltic Sea Area from 1989 to 1999 is **251**, cf. Map "Ship accidents in the Baltic Sea Area, 1989 - 1999".

Using this map, there should be noted that information provided by some Contracting Parties included also accidents of small fishing vessels and very small ships, like yachts with DW of 4-15 BRT, while some Contracting Parties ship tonnage did not report at all or reported only on tankers. Thus, considering a dense picture of ship accidents in the Southern part of the Baltic Sea there should be kept in mind that there are also a lot of small vessels among them.

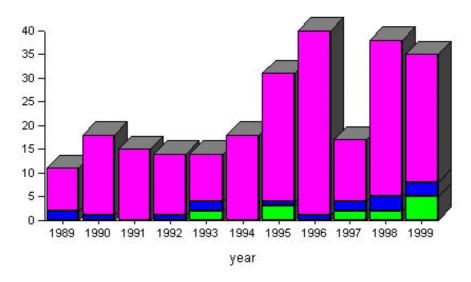
To get a more equitable outlook on ship accidents in the Baltic Sea Area, in the future there could be included only data on so called - conventional ships, i.e., oil tankers of 150 GT and above as well as other ships of 400 GT and above.

- Accidents mostly have occurred near the straits and port areas;
- Marine environment pollution caused by the accidents of single hull tankers is more frequent than that of double hull tankers (12 and 2, respectively).

According with the decision of the HELCOM SEA 2/2001 (paragraph 2.112 of the Minutes from HELCOM SEA 2/2001) there will be elaborated such maps on annual basis also in the future and Latvia will continue as Lead Country.

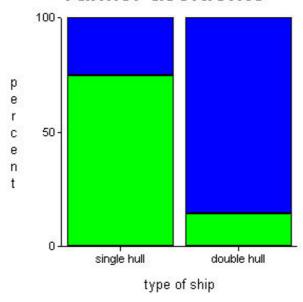


Ship accidents

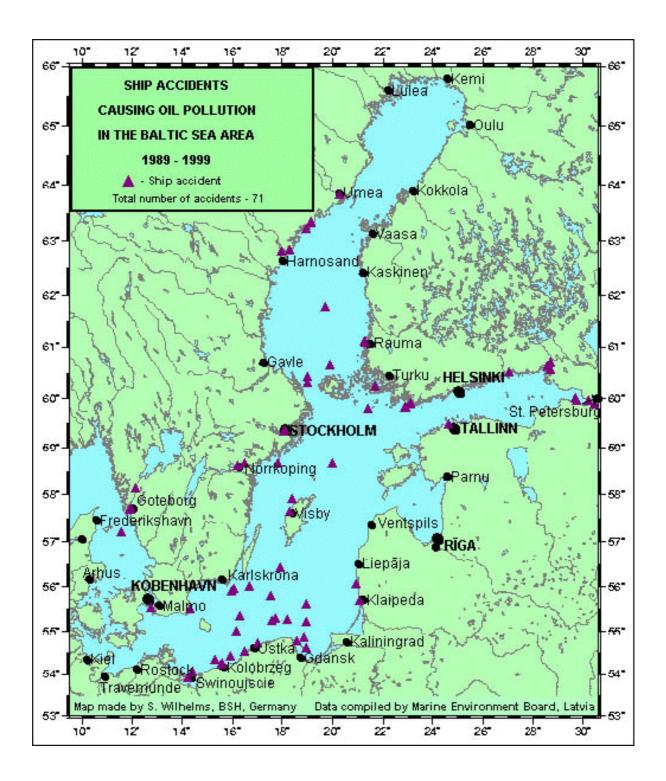


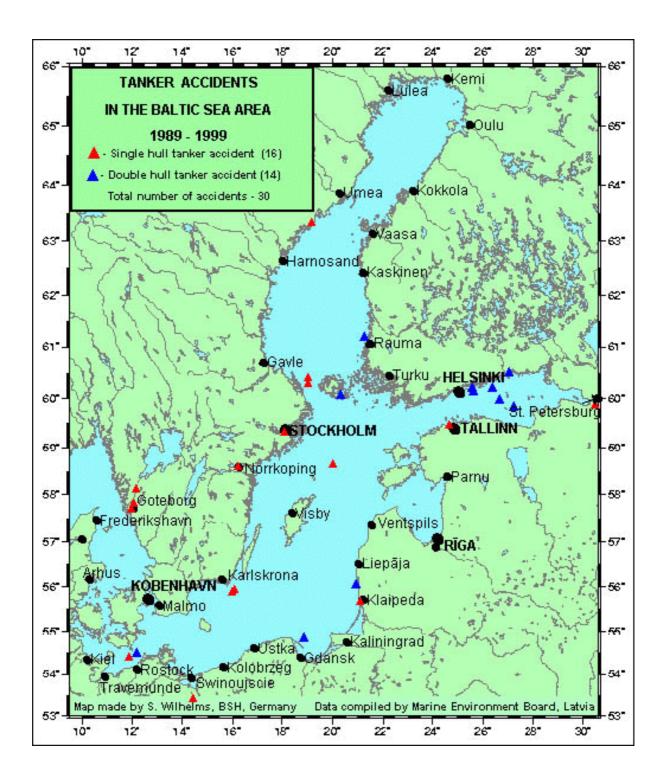
- double hull tankers
- single hull tankers
- others

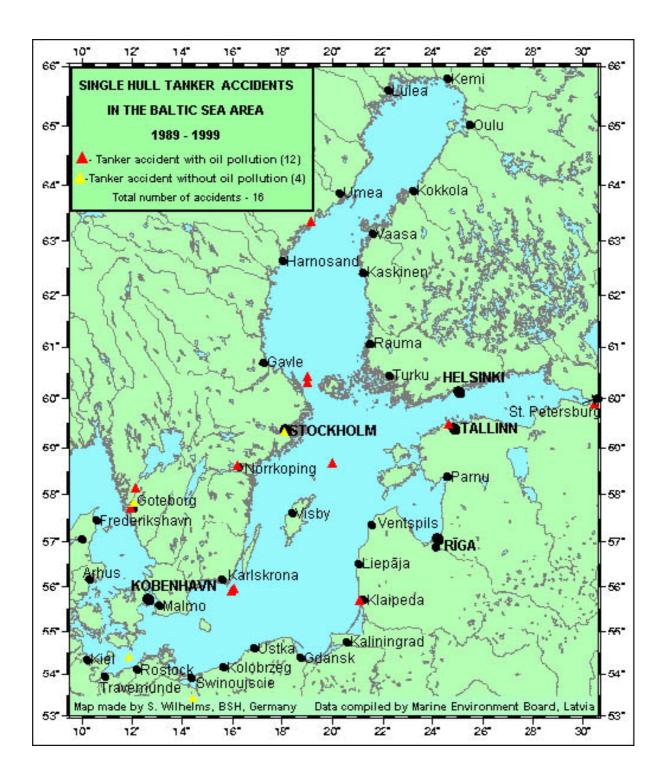
Tanker accidents

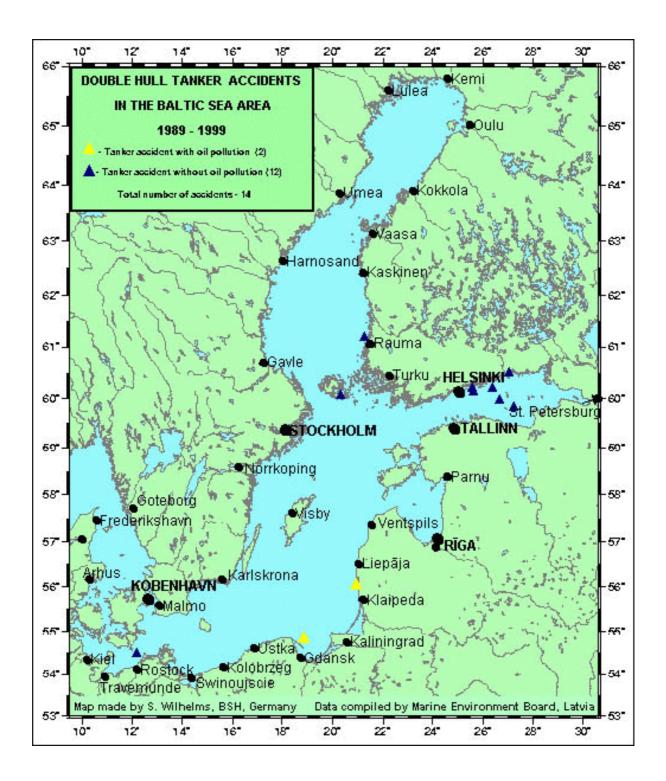


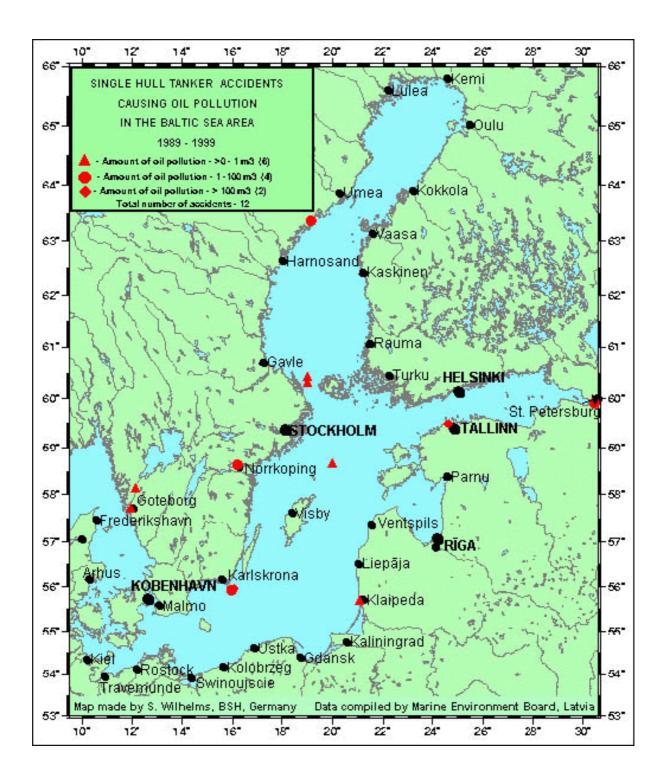
- accidents with oil pollution
- accidents without oil pollution

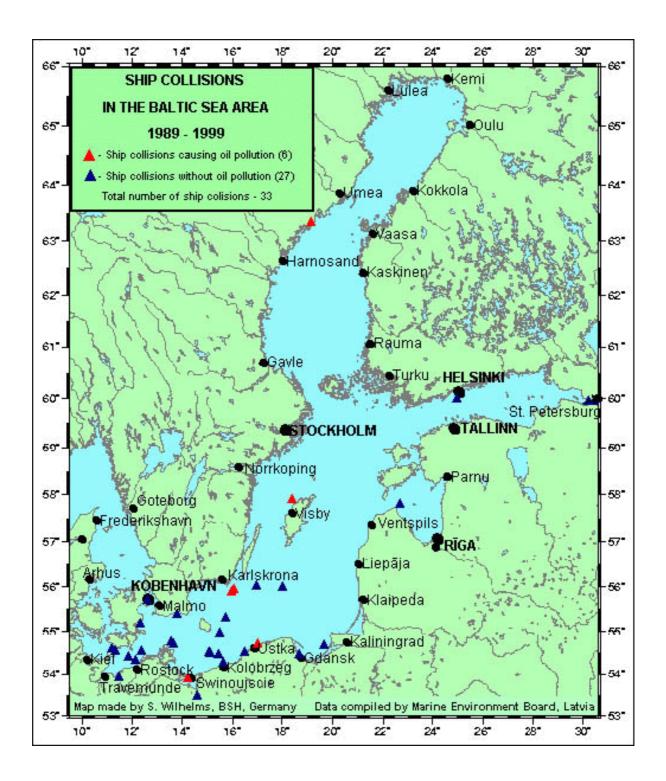


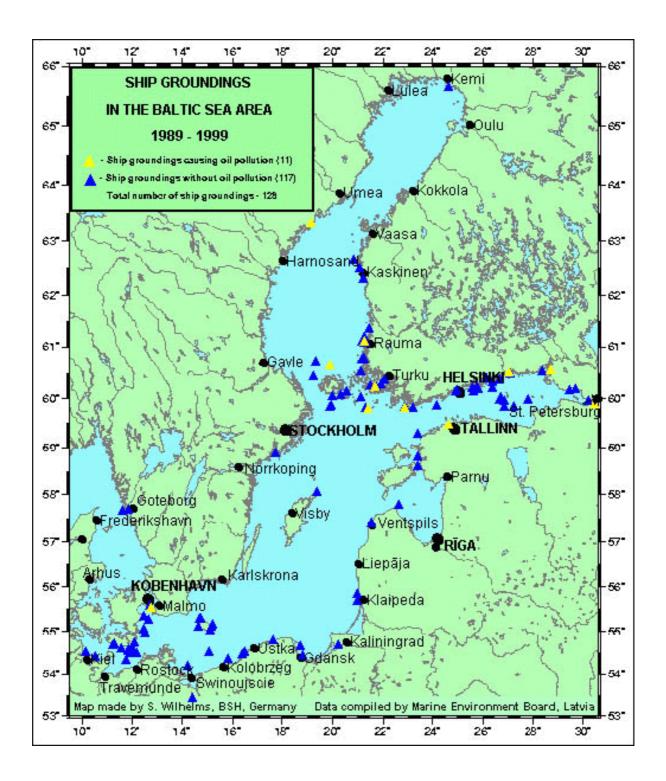












ANNEX

DATA TABLE OF SHIP ACCIDENTS IN THE BALTIC SEA AREA, 1989 - 1999

ż	N P	Year Date	Ship	Type	Tonn_dwt	Lat_N	Long_E	Type_of_accident	Type_of_pollution	Pollution_cubm
8	190	190 1 989 07/01/1989	Argus, Swinoujscie, Poland	Tug	336,4	53,900	14,200	colision	lio	00'0
005	241	1 989 04/1989	Frizis Rosin, USSR	Other	2000	58,800	23,400	grounding	ОП	00'0
003	1	1 989 18/05/1989	Kol-36, Poland	Other	42	54,500	15,067	colision	no	00'0
900	-	1 989 29/05/1989	Stena Nordica, Sweden, SMQF	Pass. ro-ro	1200	57,683	11,917	11,917 refueling	Oil	0,10
005	240 1	1 989 05/1989	Turinsk, USSR	Other	3500	58,600	23,400	23,400 grounding	ou	00,00
900	90	90 1 989 13/06/1989	Ms Saronikos II, GRE	Other	16160	60,362	26,692	grounding	no	00'0
007	136 1	136 1 989 27/08/1989	Seebong	Coaster		54,717	12,067	grounding	unknown	00'0
800	69		Sprante, FRG	Other	2000	- 60,525	28,383	grounding	no	00'0
600	137 1	1 989 25/12/1989	Povl Anker, Denmark, OYRA	Ferry	2361	55,367	13,800	colision	unknown	00'0
010	2 1	1 989 29/12/1989	Forsvik, Sweden, SJPV	Single hull tanker	3898	57,705	11,950	loading	oil	0,30
011	+-	1 989 1989		Single hull tanker	>150 GRT	54,400	11,863	colision	no	00'0
012	138 1	1 990 08/02/1990	Trawemunde Link	Ferry		54,550	11,967	grounding	unknown	00'0
013	91	1 990 14/02/1990	Ms Blue Stone, GRE	Other	7848	59,832	22,872	22,872 grounding	ou	00'0
014	139 1	1 990 14/03/1990	Tareomoro	Barge		55,450	18,733	wrecked	unknown	00'0
015	140 1	140 1 990 29/03/1990	Lady Sky	Dry cargo	83713	55,067	14,650	grounding	unknown	00,0
016	92 1	1 990 09/05/1990	Push+pram, FIN/Board, FIN	Other	14447	59,828	19,923	grounding	no	00'0
017		1 990 14/05/1990	Volganeft 263, Russia, EOXN	Single hull tanker	Br. 3481	55,950	16,067	colision	oil	125,00
018	93	1 990 20/05/1990	Isaksson, FIN	Tug		092'09	21,302	grounding	no	00,00
019	4	1 990 14/06/1990	Monika Ehler, Germany, DFMC	General cargo	3070	27,900	18,400	18,400 colision	oil	2,00
020	192	1 990 25/06/1990	Dar-126, Poland	Other	12	54,433	16,367	grounding	unknown	00,00
021	70	1 990 07/1990	Fc-59, USSR	Other	250	29,967	27,817	grounding	ou	00'0
022	193	193 1 990 21/09/1990	Jurand, Poland	Other	20	54,650	18,700	grounding	OU	00.00
023	5	1 990 11/10/1990	Heldarstindur, The Faroes, OW2175	Fishing	Br. 182	55,476	14,326	leakage	lio	0,10
024	26	1 990 17/11/1990	Sanna, FIN	Other	1319	59,789	22,882	grounding	no	00'0
025	71	1 990 11/1990	Reinworld Cnizemark, FRG	Other	2000	60,150	29,500	grounding	ou	00'0
026	9		1	General cargo	Br. 499	58,648	16,510	propeller damage	oil	15,00
027		1 990 27/12/1990	Finn-BAltic, FIN	Other		59,808	22,958	overturn	oil	37,50
028		1 990 27/12/1990		Other	5233	59,790	21,333	grounding	no	00,00
029	255	1 990 1990		Other	>150 GRT	53,908	11,442	colision	OL OL	00,00
030	97	1 991 11/01/1991	Antares, FIN	Other	9113	61,108	21,269	grounding	oil	15,00
031	175 1 9	1 991 06/02/1991		Other		60,033	20,000	grounding	no	00'0
032	86	99	Albany, FIN	Other		61,767	19,733	fire	oil	0,25
033	66	1 991 07/04/1991	Trade Wind, CYP	Other	3089	62,301	21,217		ou	00'0
034	141	1 991 17/04/1991	Canopus, Finland, 9HFN4	Bulker	8815	54,567	11,833	grounding	unknown	00'0
035	142	1 991 29/04/1991		Trawler		54,983	15,133	grounding	unknown	00'0
036	72	1 991 04/1991	Tb-0051, USSR	Other	110	59,933	26,883	grounding	no	00,00
037	249	249 1 991 29/05/1991	Redwud, GRE	Other		- 59,880	23,150	propeller failure	oil	1,25
038	100	100 1 991 21/10/1991	Ms Apjkaran, IND	Other		60,717	19,333	grounding	no	00'0

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039 10	101 1 991	1 H	See Rose	Other		61,367	21,467	grounding	ОП	00,00
	1=		Docebrisa, Brazil, ELPB4	Bulker	75594	54,500	12,000	grounding	unknown	00'0
\perp			Beichatow, Poland, SQHE	Bulker	71277	54,530	11,870	grounding	unknown	00.00
	+	+	Stb-0670	Other	170	59,275	23,417	grounding	ou	00'0
<u> </u>	256 1 991	1991		Other	>150 GRT	54,704	13,649	colision	ou	00'0
_		1991		Other	>150 GRT	. 54,483	15,100	colision	OL.	00'0
_			Parocean, Myanmar, XYLA	Bulker	38870	54,483	11,983	grounding	unknown	00'0
			Fram, FIN	Tug		60,272	21,940	grounding	no	00'0
	→		SM-PRC-112, Poland	Barge	579,64	54,500	16,500 colision	colision	no	00'0
_	1	30/06/1992	Dar-33	Other	15	54,417	16,133	other	0u	00,00
1		+	Pamisos, GRE	Other		60,638	19,910	grounding	lio	12,50
	74 1 992	+	Yacht Sjuyd, USSR	Other	4	60,191	29,700	grounding	OU.	00'0
	1-	+	STK-1004, Russia, UBEM	River	1669	54,950	12,517	grounding	unknown	00'0
-		-	Valur, Iceland, TFTF1341	Dry cargo	945	60,560	28,740	grounding	oil	1,00
	-i		Pan Fortune, South Korea	Bunker	19,118	54,192	18,720	grounding	no	00'0
	-		Mrz-21, Poland	Other	50	54,133	15,267	other	unknown	00'0
-	176 1 992	28/11/1992	Tiksi, SU	Other		61,083	21,333	propeller failure	oil	1,25
L	75 1 992		Valyr, Norway	Other	2000	60,625	28,567	capsize	oil	15,00
_		01/12/1992	Konstantin Tsiolkovski, Russia, UWZB	Single hull tanker	Br. 10814	63,333	19,167	colision	oil	12,50
058 2	258 1 992	1992		Other	>150 GRT	54,389	10,500	grounding	no	00'0
	37 1 993	16/01/1993	Kihnu, Estonia	Single hull tanker	1621	59,472	24,636	grounding	oil	102,50
<u> </u>	145 1 993	17/03/1993	Madeira, Hong Kong, ZEKJ	Fishing vessel		54,967	15,233	wrecked	unknown	00'0
1 190	105 1 993	26/03/1993	Kari/Vesikko, FIN	Other	168	60,756	21,180	grounding	unknown	00'0
1 1	104 1 993	30/04/1993	Jenny V, PAN	Other	1860	60,020	26,733	grounding	OL OL	00'0
1	177 1 993		Flip, FIN	Other		60,250	21,500	grounding	unknown	00'0
964	8 1 993	10/08/1993	Valaam, Latvia, YLMH	Single hull tanker	Br. 3463	55,891	15,943	colision	oil	6,25
	250 1 993	13/08/1993	West, FIN	Tug		60,210	25,760	grounding	по	00'0
	106 1 993	24/09/1993	Mt Crystal Rubino, ITA	Double huil tanker	8002	60,212	26,410	grounding	OU	00'0
290	9 1 993	10/10/1993	Frank Michael, Germany, DLED	General cargo	1880	58,062	19,363	grounding	amonnium phosphate	1 703,00
<u> </u>	107 1 993	3 16/11/1993	Mt Ambiorix, GRE	Double hull tanker	Br. 1772	61,203	21,288	grounding	OU	00'0
1 690	108 1 993	3 17/11/1993	Feeder Team, GER	Other	1028	60,760	21,209	grounding	unknown	00,00
<u> </u>	146 1 993	1	Jesper Hansen, Denmark	Fishing vessel		54,367	11,583	wrecked	unknown	00'0
	↓ =	10/12/1993	Anna A, OTH	Other	27370	60,012	21,120	grounding	unknown	00'0
	259 1 993	1993		Other	>150 GRT	54,516	11,313	colision	no	00'0
073 1	198 1 994	11/02/1994	Mrz-9, Poland	Other	8	54,150	15,300	other	unknown	00'0
074 2	251 1 994	4 02/03/1994	Ladoga 12, SU	Other		59,880	23,150	ice damage	oil	7,50
1 2/0	110 1 994	4 04/03/1994	Sally Albatross, Fin	Other	1630	59,855	24,176	grounding	unknown	00'0
<u> </u>	111 1 994	15/04/1994	Astrea, FIN	Other	6672	60,183	25,828	grounding	unknown	00'0

ž	ž	Year Date		Ship	Type	Tonn_dwt	Lat_N	Long_E	Type_of_accident	Type_of_pollution	Pollution_cubm
077	178	1 994 18/04/1994	394	Phoenix, GER	Other		60,237	25,790	grounding	no	00'0
078	199	1 994	394	UST-4, Ustka, Poland	Other		55,217	17,567	oil spill	lio	00'0
079	68	1 994	994	Captain Lus	Dry cargo	4618	60,700	28,740	bunkering	oil	0,63
080	112	1 994	994	Park Victory, USA	Wreck		59,772	21,405	grounding	oil	00'0
081	179	1 994 01/09/1994	994	Ruoppaaja	Dredger		62,500	21,083	sinking	unknown	00,00
082	113	1 994 28/09/1994	994	Estonia, EST	Other	3345	59,321	20,567	sunk	unknown	00'0
083	185	1 994 01/10/1994	994	KehrwiederII, FIN	Other		61,083	21,333	grounding	unknown	00.00
80 48	147	1 994	994	Yellow Amber, Cyprus	Bulker	63789	54,500	11,933	grounding	unknown	00'0
085	38	1 994 03/11/1994	994	Marija, Lithuania, LYIA	Other	1652	55,467	17,567	hull damage	no	00'0
980		1 994 05/11/1994	994	Baltiyskiy-62, UALF	Dry cargo		54,667	9,933	run into touch	no	00'0
087	114	1 994 17/11/1994	994	Friedrich Engels, RUS	Other	12652	61,100	21,183	grounding	unknown	00'0
088	200	200 1 994 15/12/1994	994	Red Hunter, Panama			54,467	18,867		unknown	00'0
089	260	260 1 994 1994			Other	>150 GRT	54,445	18,647	colision	no	00'0
060	261	1 994 1994			Other	>150 GRT	54,489	10,137	grounding	no	00'0
091	201		995	UST-102, Poland	Fishing vessel	102 BR	54,700	17,000	colision	lio	8,00
092	244	1 995 27/01/1995	995	Heike Lehmann, Germany, DKUB	Dry cargo	3051	55,260	14,680	grounding	unknown	00'0
093	115	115 1 995 30/01/1995	995	Fjardvagen, FIN	Other	775	60,218	21,737	grounding	unknown	00'0
960	39	39 1 995 08/02/1995	995	Jurbarkas, Lithuania	Other	2116	54,717	12,383	hull damage	ou	00,00
095	116	1 995 28/02/1995	995	Mt Lieselotte Essberger, GER	Double hull tanker	3752	60,058	20,323	grounding	unknown	00,00
960	180	1 995 08/03/1995	995	RO-RO Oihonna, FIN	Other	6061	60,517	27,083	grounding	oil	81,25
260	202	1 995 12/03/1995	995	Huta Sendzimira, Poland	Bulker	35,642	54,183	14,201	grounding	no	00'0
860	10		995	Kreva, Lithuania, LTDA	General cargo	4471	63,311	19,155	grounding	oil	27,50
660	117	1 995 13/03/1995	995	Westwind, FIN	Other	1530	59,845	19,934	grounding	unknown	00'0
10	118	118 1 995 19/03/1995	995	Transbaltica, CYP	Other	Br. 1224	60,215	21,705	grounding	oil	1,25
101	245	1 995 27/03/1995	995	Vasiliy Kovar, Ukraine	Bulk carrier		54,500	12,000	grounding	unknown	00'0
102	119	1 995	995	Tallink, FIN	Other	948	60,138	24,950	grounding	unknown	00'0
103	203	1 995 25/04/1995	995	WLA-67, Wladyslawo, Poland	Fishing vessel		55,235	18,184	oil spill	oil	90'0
104	204	1 995 10/05/1995	995	R-218, Denmark	Fishing vessel		55,317	16,278	oil spill	lio	0.05
105	120	1 995 28/05/1995	995	Oris, GER	Other	Br. 6876	60,402	26,287	grounding	unknown	00'0
106	11	1 995 04/08/1995	995	Oden, Sweden, SMLQ	Ice breaker	13000	59,333	18,083	techn. failure	oil	12,50
107	121	1 995 17/08/1995	995	Wiebkek, ANT	Other	7800	59,803	22,883	grounding	oil	1,25
108	186	1 995 21/08/1995	995	Ruoppaaja	Dredger		62,500	21,083	grounding	unknown	00'0
109	122	1 995 24/08/1995	995	Mt Volgoneft 245, RUS	Double hull tanker	4768	60,206	25,620	grounding	no	00'0
110	205		995	HEL-135, Hel, Poland	Fishing vessel		55,585	18,975	oil spill	oil	0,10
1-	52		995	Polesye-9	Dry cargo		54,333	19,750	run into touch	no	00'0
112	53	1 995	995	Amur 2524	Dry cargo		54,667	19,667	colision	no	00'0
113	12		995	Hual Trooper, Bahamas, C6NA3	Vehicle carrier	21414	55,512	12,755	grounding	oil	250,00
411	76		5	Volgo-neft-130	Double hull tanker	2000	59,967	26,700	26,700 grounding	no	00'0

40 1 995 11/11/1995 Zeirmena, Lithuania, LYAM 123 1 995 13/11/1995 Finnmaster, FIN 45 1 995 13/12/1995 Tritca Av Goteborg, Sweden, SGMW 46 1 995 13/12/1995 Tritca Av Goteborg, Sweden, SGMW 46 1 995 1995 Drava, Latvia, UL2039 262 1 995 1995 Drava, Latvia, UL2039 263 1 995 1 995 Drava, Latvia, UL2039 264 1 996 0 2/01/1996 Andronikap, Valetta, Greece 54 1 996 0 1/02/1996 Andronikap, Valetta, Greece 54 1 996 1 1/02/1996 Andronikap, Valetta, Greece 54 1 996 1 1/02/1996 Andronikap, Valetta, Greece 54 1 996 1 1/02/1996 Andronikap, Valetta, Greece 55 1 996 1 1/02/1996 Andronikap, Valetta, Greece 55 1 996 1 1/02/1996 Chelekenskiy 56 1 996 1 1/02/1996 Chelekenskiy 57 1 996 1 1/02/1996<	ž	Ž	Year	Date	Ship	Type	Tonn_dwt	Lat_N	Long_E	Type_of_accident	Type_of_pollution	Pollution_cubm
129 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) 130 (1301) <td>li m</td> <td>110</td> <td>- I</td> <td>11/11/1995</td> <td>Zeimena, Lithuania, LYAM</td> <td>Other</td> <td>69</td> <td>54,667</td> <td>21,100</td> <td>grounding</td> <td>ou</td> <td>00'0</td>	li m	110	- I	11/11/1995	Zeimena, Lithuania, LYAM	Other	69	54,667	21,100	grounding	ou	00'0
13 1929 131/1939 Trinca Av Goeborg, Sweden, SCMM Single hull tenker 600 56,125 12,250 45 1995 1995 Orchik, Estonia, YLIW Estining vessel 467 1995 17,821 22,820 202 1995 1995 Orchik, Estonia, YLIW Estining vessel 47,000 21,520 202 1996 1995 Orchik, Estonia, YLIW Other >7150 GRT 54,515 11,573 205 1996 1996 1996 Orchik, Estonia, YLIW Other >7150 GRT 54,515 11,573 206 1996 1996 1996 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 190	116	123		13/11/1995	Finnmaster, FIN	Other	6800	60,476	27,134	grounding	unknown	00'0
46 1958 1995 Orchik, Estonia YLW Fishing vessel 677 37,783 22,626 282 1995 Drava, Latvia, UL2039 Fishing vessel 140 GRT 54,901 21,530 282 1995 1995 Andronivao, Valetta, UL2039 Other >150 GRT 54,533 11,167 283 1995 Andronivao, Valetta, Greece Other >150 GRT 54,537 11,167 284 1996 1901/1996 Andronivao, Valetta, Greece Other 260 GRT 54,537 11,167 284 1996 1901/1996 Andronivao, Valetta, Greece Other 260 GRT 54,537 11,767 284 1996 1901/1996 Andronivao, Valetta, Greece Other 260 GRT 54,537 11,772 284 1996 1901/1996 Andronivao, Greece Other 160 GRT 54,537 11,773 285 1996 2002/1996 Andronivao, Greece Green and andronivao 160 GRT 54,537 11,773 285 1996 2002/1996 Green andronivao Green andronivao 17,720 17,720 285 1996 2002/1996 Green andronivao	117	13 1	-	13/12/1995	Sweden,	Single hull tanker	009	58,125	12,125		oil	0,20
46 1969 1995 Chara, Latvia, UL2039 Fishing vessel 44 57,400 21,555 226 1986 1995 Andronikap, Valeita, Orecce Other >150 GRT 54,378 11,167 226 1986 1995 Andronikap, Valeita, Greece Other >150 GRT 54,378 11,167 226 1986 1920/17986 Violgo-Balt-32, Russia, UAFD Other 28000 61,275 18,971 14 1986 190/17986 Hull mon. Sweden, SKTP General cargo 28000 62,870 17,720 14 1986 190/17986 Hull mon. Sweden, SKTP General cargo 28000 68,877 17,720 14 1986 190/17986 Hull mon. Sweden, SKTP General cargo 28000 68,877 17,720 24 1986 190/17986 Hull mon. Sweden, SWD Fishing vessel 68,877 17,720 17,870 24 1986 190/17996 Mundaugas, Lithuaria, LVOB Fishing vessel 67,677 11,883 11,883 15 1986 290/271996 Fivor, Andronika, BML Bulker 24,500 12,680 11,883 15 1986 190/271996 Groun, Byland Madaugas, Lithuaria, LVOB	118	+	_	1995	Orchik, Estonia, YLIW	Fishing vessel	627	57,783	22,650		no	00,00
262 1995 1995 Other >150 GRT 54,533 11,163 205 1995 1995 1995 Andronikap, Valetta, Greece Other >110 GRT 54,373 11,1783 205 1995 1201/1996 Andronikap, Valetta, Greece Other >120 GRD 55,700 12,800 124 1996 1201/1996 Andronikap, Valetta, Greece Other 260 GRD 66,242 21,700 14 1996 1201/1996 Andronikap, Valetta, Greece Other 260 GRD 67,242 21,700 14 1996 1202/1996 Chelekenskýp Greenstan, SKTP Repfregatator 60,000 25,000 15 1996 1202/1996 Chelekenskýp Repfregatator 264,933 16,100 14 1996 1202/1996 Chelekenskýp Repfregatator 264,933 16,100 14 1996 1202/1996 Chelekenskýp Repfregatator 264,933 16,100 15 1996 1202/1996 Chelekenskýp Repúrgassel Bulker 264,933 16,100 15 1996 1202/1996 Greekenstal Bulker 264,600 17,390 15 1996 12	119	46 1		1995	Drava, Latvia, UL2039	Fishing vessel	44	57,400	21,550		no	00,00
265 956 1965 Other >150 GRYT 54,313 11,753 206 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966 1966	120	262	+	1995		Other	>150 GRT	54,583	11,167	colision	no	00'0
206 1996 CADOUT1996 Andronikab, Valeita, Greece Other Other Other 54,575 18,947 18,040 44 196 1500171996 Volgo-Balit-37, Russia, UAFD Otheral cargo GC10 52.00 58,877 17,200 144 196 190171996 Prolicy Balit-32, Russia, UAFD Cheneral cargo 8200 58,877 17,200 141 1968 3007071996 Chelekenskiy Chelekensk	121	263 1	+	1995		Other	>150 GRT	54,313	11,753		no	00'0
54 1996 1500/1996 Volgo-Balt-32, Russia, UAFD Dry cargo G1,2426 55,700 12,600 144 1986 1800/1996 Poraco, DEN Other 2600 60,224 51,709 14 1986 800/17996 Horlmon, Sweden, SKTP Chearal cargo 60,000 58,877 17,720 146 1986 01/02/1996 Horlmon, Sweden, SKTP Repfregerator 60,000 25,000 15 1986 130/2/1996 Chelekensky Robin 14,199 17,000 25,000 15 1996 130/2/1996 Gritte, Germany, DFCU Fishing vessel 15,41 17,199 149 1996 130/2/1996 Gritte, Germany, DFCU Fishing vessel 16,4567 17,000 149 1996 130/2/1996 Road Careal Cargo 17,199 17,000 150 1996 140/3/1996 Rindaugas, Lihuania, LVB Dry cargo 17,000 17,000 151 1996 1900 140/03/1996 Kristian Bulker	122	206 1	+	02/01/1996		Other		54,575	18,942	ō	lio	3,00
124 1996 1900/1996 Draco, DEN Other Ceneral cargo 8200 58,877 17,20 144 1966 30/07/1996 Holmon, Sweden, SKTP General cargo 8200 58,877 17,20 145 1966 01/02/1996 Krol-S, Poland Refating vessel 60,000 59,00 15 1960 02/02/1996 Crolekenskin Robin 54,500 17,000 149 1960 13/02/1996 Granery, DFCU Ferry 84,500 12,000 149 1996 13/02/1996 Granery, DFCU Ferry 84,500 17,000 149 1996 13/02/1996 Granery, DFCU Ferry 84,500 17,000 150 1996 13/02/1996 Graner, Sweden, SMOY Ferry 84,500 17,000 151 1996 14/03/1996 Krovus, URVM Dry cargo 3900 54,507 17,803 151 1996 14/03/1996 Krovus, URVM Dry cargo 3900 57,607 <	123	22		15/01/1996	Volgo-Balt-32, Russia, UAFD	Dry cargo	Gt. 2426	55,700	12,600		no	00'0
14 1996 30/01/1996 Holmon, Sweden, SKTP General cargo 8200 58,877 17,720 148 1996 30/01/1996 Kol-9, Poland Fishing vessel 55,1990 17,721 56,1980 17,132 55 1 1996 120/02/1996 Chaekeenskiy Propagal CSEC Single hull tanker 254,100 55,000 12,000 149 1 1996 130/02/1996 Chaemany, DFCU Ferry Br. 241 55,803 12,017 150 1 1996 130/02/1996 Rosvita, Malta Ferry Br. 241 55,807 11,903 151 1 1996 23/02/1996 Rosvita, Malta Bulker 44537 54,500 17,903 151 1 1996 23/02/1996 Rivarian LYOB Oth cargo 36,507 17,903 151 1 1996 23/02/1996 Rivarian LYOB Oth cargo 36,507 17,903 151 1 1996 13/02/1996 Rivarian LYOB Oth cargo 36,507 17,903 251 1 296 13/02/1996 Rivarian Arian Other cargo	124			18/01/1996	Draco, DEN	Other	2600	60,224	21,709	grounding	unknown	00'0
148 1986 O1/02/1996 Kol-9, Poland Fishing vessel 54,933 15,133 15 1986 02/02/1996 Chelekenskiy Repfregerator 60,000 25,000 15,000 25,000 15,000 25,000 15,000 25,000 15,000 25,000 12,000 25,000 12,000 25,000 12,000 25,000 12,000 25,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000	125			30/01/1996	Holmon, Sweden, SKTP	General cargo	8200	58,877	17,720		no	00'0
55 1 996 CONOZ1996 Chelekenskiy Repfregerator 25,000 25,000 25,000 145 1 996 13/02/1996 Tom Lis, Portugal, CSEG Single hull tanker 2541 57,833 12,017 146 1 996 13/02/1996 Tom Lis, Portugal, CSEG Fishing vessel 24,657 12,000 149 1 996 13/02/1996 Rostok Link Ferry 44537 54,500 12,000 150 1 996 13/02/1996 Rostok Link Ferry 44537 54,500 12,000 150 1 996 13/02/1996 Rivarian Bulker 44537 54,500 12,050 150 1 996 13/02/1996 Rivarian Mindaugas, Lithuania, LYOB Other 44537 54,500 12,050 1 1 1 996 13/02/1996 Mindaugas, Lithuania, LYOB Other 4200 62,650 13,050 1 1 1 996 13/02/1996 Mindaugas, Lithuania, LYOB Other 13,000 57,650 13,050 13,050 13,050 13,	126	148	1 996	01/02/1996	Kol-9, Poland	Fishing vessel		54,983	15,133		unknown	00'0
15 1996 13021996 Tom Lis, Portugal, CSEG Single hull tanker 2541 57,833 12,010 246 1 996 13021996 Gitte, Germany, DFCU Ferry Ferry 54,500 12,000 149 1 996 23021996 Rostok Link Ferry Binker 44537 54,500 12,000 150 1 996 23021996 Foxorita, Malta Bulker 44537 54,500 12,050 150 1 996 23021996 Arotita, Malta Bulker 4200 62,600 12,050 151 1 996 13021996 West Sky, Sweden, SMQ General cargo 3800 57,687 11,983 17 1 996 140211996 West Sky, Sweden, SBXC General cargo 3800 57,687 11,983 1 996 140211996 Krovus, URNM Dry cargo 26,167 12,833 25 1 996 140211996 Seria, Antigua Barge 26,107 12,687 1 25 1 996 180517996 Fel	127	55 1	1 996	02/02/1996	Chelekenskiy	Repfregerator		000'09	25,000	$\overline{}$	no	00,00
246 1 996 13021996 Gitte, Germany, DFCU Fenry Fenry 54,507 12,000 149 1 996 18/02/1996 Rostok Link Fenry Bn. 241 54,507 11,983 150 1 996 23/02/1996 Rovida, Malta Bulker 44537 54,507 17,550 150 1 996 29/02/1996 Kindaugas, Lithuania, LYOB Other 4200 62,607 17,950 151 1 996 29/02/1996 Kindaugas, Lithuania, LYOB Other 4200 62,607 17,982 1 1 996 14/03/1996 Lezhevo, UAVZ Other 4200 62,607 17,982 55 1 996 15/03/1996 Lezhevo, UAVZ Other 100 55,167 17,383 56 1 996 13/03/1996 Krovus, UFNIM Other 100 56,167 12,333 50 1 996 13/05/1996 Felix, Antigua Barge 2,610 56,167 12,333 1 996 13/05/1996 Felix, Antigua	128	15 1		13/02/1996	Tom Lis, Portugal, CSEG	Single hull tanker	2541	57,833	12,017	leakage	orthoxylen	0,50
149 1996 18/02/1996 Rostok Link Ferry Br. 241 62,800 17,950 16 1996 23/02/1996 Rostok Link Ferry Bulker 44537 54,500 17,950 150 1996 23/02/1996 Kristian Bulker 44537 54,500 17,950 151 1996 29/02/1996 Kristian Bulker 4200 62,650 17,953 41 1966 14/03/1996 Mindaugas, Lithuania LYOB Other 4200 62,650 17,953 57 1966 10/04/1996 Krous, URNM Dry cargo 3800 55,550 12,053 58 1966 10/04/1996 Krous, URNM Dry cargo 3800 55,550 12,053 50 1996 10/04/1996 Krous, URNM Dry cargo 3800 55,550 12,053 50 1996 10/04/1996 Krous, URNM Dry cargo 26,106 17,350 50 1996 10/04/1996 Firz Cekkert, UNTI Rephregerator 26,10 17,550 50 1996 10/06/1996 Firz Cekkert, UNTI Rephregerator 3324 54,667 19,833	129	246 1		13/02/1996	Gitte, Germany, DFCU	Fishing vessel		54,500	12,000		unknown	00,00
16 1996 23/02/1996 Nord, Sweden, SMOV Ferry Bulker 44537 54,500 17,950 150 1996 29/02/1996 Favorita, Malta Bulker 44537 54,507 12,050 151 1996 29/02/1996 Kristian Bulker 4200 57,587 11,983 41 1996 14/03/1996 Mindaugas, Lithuania, LVOB Other 4200 62,890 17,050 17 1996 14/03/1996 Mindaugas, Lithuania, LVOB Other 4200 62,890 17,933 17 1996 14/03/1996 West Sky, Sweden, SBXC General cargo 3800 57,687 11,983 55 1996 14/03/1996 Krovus, UFNM Dry cargo 3002 55,750 12,587 50 1996 15/04/1996 Krovus, UFNM Other 100 100 100 51 1996 16/05/1996 Fris Cakkert, UNT Other 100 100 56,167 11,867 52 1996 16/05/1996 Fris Cakkert, UNT Other 120 30,242	130		1	18/02/1996	Rostok Link	Ferry		54,567	11,983		unknown	00'0
150 1996 29/02/1996 Favorita, Malta Bulker 44537 54,507 12,030 151 1996 29/02/1996 Kristian Bulker 4200 62,650 20,833 41 1996 14/03/1996 Mindaugas, Lithuania, LYOB Other 4200 62,650 20,833 17 1996 14/03/1996 Mindaugas, Lithuania, LYOB Other 2400 57,687 11,825 57 1996 14/03/1996 Krovus, UAVZ Dry cargo 3800 57,687 11,825 56 1996 10/04/1996 Krovus, UAVZ Dry cargo 3002 55,250 12,687 59 1996 10/04/1996 Felix, Antigua Dry cargo 3002 55,467 12,333 207 1996 18/05/1996 Felix, Antigua Dry cargo 2,610 55,450 12,560 125 1996 10/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 11/05/1996 Frix, Cakkert, UNTI Rephragerator 32,450 14,667 19,333 128 1996 1906 17/06/1996 Frix, Cakkert, UNTI Rephragerator 32,450<	131	16 1	1.—	23/02/1996		Ferry	Br. 241	62,800	17,950		oil	0,10
151 1996 29/102/1996 Kristian Bulker 4200 62,650 20,833 41 1996 14/03/1996 Mindaugas, Lithuania, LYOB Other 4200 62,650 20,833 17 1996 14/03/1996 West Sky, Swaden, SBXC General cargo 3800 57.687 11,825 57 1996 15/03/1996 Lezhevo, UAVZ Dry cargo 55.260 12,667 56 1996 16/03/1996 Krovus, UFNM Dry cargo 3002 55.167 12,633 207 1996 18/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 18/05/1996 Felix, Antigua Other 1056 61,091 21,233 207 1996 18/05/1996 Firsk Musia Other 1056 61,091 21,233 128 1996 18/05/1996 Firsk Musia Gorden, Sweden, UNTI Rephregerator 82,410 59,933 30,242 208 1996	132	150	.	29/02/1996	Favorita, Malta	Bulker	44537	54,500	12,050	grounding	unknown	00'0
41 1996 14,03,1996 Mindaugas, Lithuania, LYOB Other 4200 62,650 20,833 17 1996 14,03,1996 Vest Sky, Sweden, SBXC General cargo 3800 57,687 11,825 57 1996 15,03,1996 Lezhevo, UAVZ Dry cargo 55,260 55,260 12,667 56 1996 10,04,1996 Krovus, UFNIM Dry cargo 56,100 15,00 12,670 207 1996 180,51996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 180,51996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 180,51996 Frix Cekkert, UNTI Rephregerator 1200 53,450 14,560 18 1996 180,611996 Frix Cekkert, UNTI Rephregerator 8324 54,667 19,833 18 1996 180,61198 Rickersgracht, Netherlands, PDCR General cargo Br. 160 19,633 10,943 <t< td=""><td>133</td><td></td><td></td><td>29/02/1996</td><td>Kristian</td><td>Bulker</td><td></td><td>54,567</td><td>11,983</td><td>wrecked</td><td>unknown</td><td>00,00</td></t<>	133			29/02/1996	Kristian	Bulker		54,567	11,983	wrecked	unknown	00,00
17 1 986 14/03/1996 West Sky, Sweden, SBXC General cargo 3800 57,687 11,826 57 1 996 15/03/1996 Lezhevo, UAVZ Dry cargo 3002 55,167 12,667 56 1 996 10/04/1996 Krovus, UFNIM Dry cargo 3002 55,167 12,333 207 1 996 50/05/1996 Felix, Antigua Dry cargo 2,610 55,467 12,333 207 1 996 10/05/1996 Felix, Antigua Dry cargo 2,610 55,467 14,560 1 25 1 996 2/105/1996 Falx, Russia Other 1200 59,933 30,242 1 25 1 996 0/105/1996 Fiz Gekkert, UNTI Rephregerator 8324 54,667 14,560 1 8 1 996 0/106/1996 Fiz Gekkert, UNTI Rephregerator 81,88 58,648 17,805 1 8 1 996 0/106/1996 Gote, Sweden, SDNR Other cargo Br. 7 Fo 60,143 13,705 1 996	134	+		14/03/1996	Mindaugas, Lithuania, LYOB	Other	4200	62,650	20,833	$\overline{}$	no	00'0
57 1996 15/03/1996 Lezhevo, UAVZ Dry cargo 55.250 12,657 56 1996 10/04/1996 Krovus, UFNM Dry cargo 56,107 12,333 207 1996 05/05/1996 Felix, Antigua Dry cargo 2,610 56,107 13,000 207 1996 18/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 21/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1996 21/05/1996 Framela, FIN Other 1056 61,091 21,293 17 1996 21/05/1996 Frax, Russia Other 1200 59,333 30,242 58 1996 01/06/1996 Frix, Gekert, UNTI Rephregerator 8324 54,667 19,833 11 1996 13/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,867 12 1996 13/06/1996 Finno, FIN <t< td=""><td>135</td><td></td><td>1 996</td><td>14/03/1996</td><td>West Sky, Sweden, SBXC</td><td>General cargo</td><td>3800</td><td>57,687</td><td>11,825</td><td></td><td>no</td><td>00'0</td></t<>	135		1 996	14/03/1996	West Sky, Sweden, SBXC	General cargo	3800	57,687	11,825		no	00'0
56 1 996 10/04/1996 Krovus, UFNM Dry cargo 3002 55,167 12,333 59 1 996 05/05/1996 Stera, Netherlands Dry cargo 2,610 56,000 18,000 207 1 996 18/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1 996 18/05/1996 Fenix, Antigua Other 1056 61,091 21,233 1 25 1 996 10/06/1996 Friz Gekkert, UNTI Rephregerator 1200 59,933 30,242 1 8 1 996 01/06/1996 Bickersgracht, Netherlands, PDCR General cargo 3488 58,648 17,805 1 996 18/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,857 2 1 996 18/06/1996 Finno, FIN Other cargo Br. 160 57,683 11,857 1 2 1 996 14/08/1996 Finno, FIN Other Ab,300 15,300 13,301 1 2 1 996 14/08/1996 Finno, FIN </td <td>136</td> <td>57</td> <td>1 996</td> <td>15/03/1996</td> <td>Lezhevo, UAVZ</td> <td>Dry cargo</td> <td></td> <td>55,250</td> <td>12,667</td> <td>grounding</td> <td>no</td> <td>00'0</td>	136	57	1 996	15/03/1996	Lezhevo, UAVZ	Dry cargo		55,250	12,667	grounding	no	00'0
59 1 996 05/05/1996 Stera, Netherlands Dry cargo 56,000 18,000 207 1 996 18/05/1996 Felix, Antigua Dry cargo 2,610 53,450 14,560 125 1 996 21/05/1996 Femic, Antigua Other 1200 59,933 30,242 77 1 996 05/1996 Friz Gekkert, UNTI Rephregerator 1200 59,933 30,242 58 1 996 04/06/1996 Bickersgracht, Netherlands, PDCR General cargo Br. 160 57,683 17,805 1.0 1 996 04/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 17,805 2.0 1 996 14/08/1996 Finno, FIN Other Br. 77 60,143 21,325 1.2 1 996 17/08/1996 Hesperia, FIN Other Br. 77 60,143 21,325 1.0 1 996 17/08/1996 Hiadvagen, FIN Other Br. 73 58,067 11,817 2.0 1 996	137	56	+	10/04/1996	Krovus, UFNM	Dry cargo	3002	55,167	12,333		no	00'0
207 1 996 18/05/1996 Felix, Antigua Danela, FIN 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 14,560 12,03 30,242 12,203 12,203 30,242 12,203 12,203 30,242 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203 12,203	138		-	05/05/1996	Stera, Netherlands	Dry cargo		26,000	18,000		ou	00'0
125 1 996 21/05/1996 Pamela, FIN Other 1056 61,091 21,293 77 1 996 05/1996 Fws. Russia Other 1200 59,933 30,242 58 1 996 01/06/1996 Fiz Cekkert, UNTI Rephregerator 3488 58,648 17,805 1 9 1 996 14/06/1996 Bickersgracht, Netherlands, PDCR General cargo 3488 58,648 17,805 2 08 1 996 14/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,867 2 08 1 996 13/07/1996 Kol-115. Poland Other Br. 77 60,143 21,325 1 2 1 996 14/08/1996 Hesperia, FIN Other Br. 77 60,143 21,325 1 5 2 1 996 13/09/1996 Vigo-Balt 209, UAAD Other 2473 58,067 11,817 1 5 1 996 13/09/1996 Fiardvagen, FIN Other 55,133 15,200 2 0 9 1 996 23/10/1996 Komunist, Odessa, Russia	139	_	1 996	18/05/1996	Felix, Antigua	Barge	2,610	53,450	14,560	colision	ou	00'0
77 1 996 05/1996 Fws. Russia Other 1200 59,933 30,242 58 1 996 01/06/1996 Friz Gekkert, UNTi Rephregerator 3324 54,667 19,833 18 1 996 04/06/1996 Bickersgracht, Netherlands, PDCR General cargo 3488 58,648 17,805 208 1 996 03/07/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,867 208 1 996 14/08/1996 Finno, FIN Other Br. 77 60,143 21,325 12 1 996 27/08/1996 Hesperia, FIN Other 13511 59,802 23,217 60 1 996 13/09/1996 Birthe Fishing vessel Fishing vessel 55,133 15,200 128 1 996 23/10/1996 Komunist, Odessa, Russia Other 2566 60,123 20,562 209 1 996 23/11/1996 Komunist, Odessa, Russia Other 55,783 17,550	140		1 996	21/05/1996	Pamela, FIN	Other	1056	61,091	21,293	grounding	unknown	00'0
58 1 996 01/06/1996 Friz Gekkert, UNTi Rephregerator 8324 54,667 19,833 18 1 996 01/06/1996 Bickersgracht, Netherlands, PDCR General cargo 3488 58,648 17,805 208 1 996 18/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 14,780 208 1 996 18/06/1996 Finno, FIN Other Br. 77 60,143 21,325 126 1 996 27/08/1996 Hesperia, FIN Other 13511 59,802 23,217 60 1 996 01/09/1996 Birthe Fishing vessel 58,067 11,817 128 1 996 13/09/1996 Birthe Fishing vessel 55,133 15,200 128 1 996 23/10/1996 Komunist, Odessa, Russia Other 2566 60,123 20,562 209 1 996 22/11/1996 Anna Anna 55,783 17,552	141	+	1 996	05/1996	Fws, Russia	Other	1200	59,933	30,242	sunk	oil	5,00
18 1996 04/06/1996 Bickersgracht, Netherlands, PDCR General cargo 3488 58,648 17,805 19 1996 18/06/1996 Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,867 208 1 996 03/07/1996 Finno, FIN Other Br. 77 60,143 21,325 127 1 996 27/08/1996 Finno, FIN Other Br. 77 60,143 21,325 15 1 996 27/08/1996 Hesperia, FIN Other 2473 58,067 11,817 15 1 996 13/09/1996 Birthe Fishing vessel 55,133 15,200 128 1 996 23/10/1996 Fiardvagen, FIN Other 55,133 17,552 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 17,552 247 1 996 22/11/1996 Anna Anna 55,783 17,552	142	28	1 996	01/06/1996	Friz Gekkert, UNTi	Rephregerator	8324	54,667	19,833	run into touch	OU	00'0
19 1996 1996 (3007/1996) Gote, Sweden, SDNR Other cargo Br. 160 57,683 11,867 208 1 996 03/07/1996 Kol-115. Poland Fishing vessel Br. 77 60,143 21,325 126 1 996 14/08/1996 Hesperia, FIN Other 13511 59,802 23,217 60 1 996 01/09/1996 Volgo-Balt 209, UAAD Dry cargo 2473 58,067 11,817 152 1 996 13/09/1996 Fjardvagen, FIN Other 2566 60,123 20,562 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 17,552 247 1 996 22/11/1996 Anna 55,783 17,552	143	18			Bickersgracht, Netherlands, PDCR	General cargo	3488	58,648	17,805		oil	0,05
208 1 996 03/07/1996 Kol-115. Poland Fishing vessel Br. 77 60,143 21,325 126 1 996 14/08/1996 Finno, FIN Other Br. 77 60,143 21,325 60 1 996 27/08/1996 Hesperia, FIN Dry cargo 2473 58,067 11,817 152 1 996 13/09/1996 Birthe Fishing vessel 55,133 15,200 128 1 996 23/10/1996 Fiardvagen, FIN Other 2566 60,123 20,562 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 17,552 247 1 996 22/11/1996 Anna 54,500 12,000	144	19	1 996		Gote, Sweden, SDNR	Other cargo	Br. 160	57,683	11,867	leakage	, lio	0,05
126 1996 14/08/1996 Finno, FIN Other Br. 77 60,143 21,325 127 1996 27/08/1996 Hesperia, FIN Other 13511 59,802 23,217 60 1 996 01/09/1996 Birthe Fishing vessel 55,133 15,200 128 1 996 30/09/1996 Fiardvagen, FIN Other 2566 60,123 20,562 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 17,552 247 1 996 22/11/1996 Anna 54,500 12,000	145	208	1 996		Kol-115. Poland	Fishing vessel		54,300	15,300	hull leak,	lio	4,00
127 1 996 27/08/1996 Hesperia, FIN Other 13511 59,802 60 1 996 01/09/1996 Volgo-Balt 209, UAAD Dry cargo 2473 58,067 152 1 996 13/09/1996 Birthe Fishing vessel 55,133 128 1 996 30/09/1996 Fjardvagen, FIN Other 2566 60,123 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 247 1 996 22/11/1996 Anna 54,500	146	126	1 996	14/08/1996	Finno, FIN	Other	Br. 77	60,143	21,325		unknown	00'0
60 1 996 01/09/1996 Volgo-Balt 209, UAAD Dry cargo 2473 58,067 152 1 996 13/09/1996 Birthe 55,133 128 1 996 30/09/1996 Fjardvagen, FIN Other 2566 60,123 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 247 1 996 22/11/1996 Anna 54,500	147	_	1 996	27/08/1996	Hesperia, FIN	Other	13511	59,802	23,217		unknown	00,00
152 1 996 13/09/1996 Birthe Fishing vessel 55.133 128 1 996 30/09/1996 Fjardvagen, FIN Other 2566 60,123 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 247 1 996 22/11/1996 Anna 54,500	148	99	1 996	01/09/1996	Volgo-Balt 209, UAAD	Dry cargo	2473	58,067	11,817	-	по	00'0
128 1 996 30/09/1996 Fjardvagen, FIN Other 2566 60,123 209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 247 1 996 22/11/1996 Anna 54,500	149		1 996		Birthe	Fishing vessel		55,133	15,200	grounding	unknown	00'0
209 1 996 23/10/1996 Komunist, Odessa, Russia Other 55,783 247 1 996 22/11/1996 Anna 54,500	150			30/09/1996	Fjardvagen, FIN	Other	2566	60,123	20,562		unknown	00'0
247 1996 22/11/1996 Anna 54,500	151	209	1 996	23/10/1996	Komunist, Odessa, Russia	Other		55,783	17,552		oil	0,01
	152	247	1 996	22/11/1996	Anna			54,500	12,000	grounding	unknown	00'0

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153	20 1	1 996 01/12/1996	Tina, Netherlands, PHYX	Container carrier	4185	57,642	11,617	grounding	no	00'0
154		1 996 05/12/1996	Peras, Russia, LYED	Fishing vessel		54,983	15,133	grounding	unknown	00'0
155	129 1	1 996 09/12/1996	Ro-Ro Finnfellow, FIN	Other	5300	60,785	21,228	grounding	unknown	00'0
156	210 1 9	1 996 19/12/1996	Faste Jarle, Stavanger	Other		55,275	17,708	oil spill	oil	06'0
157	130 1 996	996 25/12/1996	Olga, SU	Other		60,323	26,383	grounding	unknown	00.00
158	78 1 9	1 996 12/1996	Blumenau Reefer, Cyprus	Other	5800	59,933	29,767	fire	lio	2,50
159	264 1 9	1 996 1996		Other	>150 GRT	54,758	13,530	colision	OU	00'0
160	265 1 8	1 996 1996		Other	>150 GRT	54,522	12,362	colision	no	00,0
161	266 1	1 996 1996		Other	>150 GRT	54,318	12,115	colision	no	00'0
162		1 997 03/01/1997	Wia-20, Wiadyslawo, Poland	Fishing vessel		54,750	18,583	oil spil	lio	0,01
163	152	1 997 04/01/1997	Canalp, Turkiy, TCJS	Bulker	34626	54,475	12,175	grounding	unknown	00'0
2	155 1 997	997 05/02/1997	Rostok Link	Ferry		54,570	11,933	grounding	unknown	00'0
165	21 18	1 997 13/02/1997	Bitama, Sweden, SKDR	Single hull tanker	2750	59,317	18,050	techn. failure	no	00,00
166	156 1 997	997 23/02/1997	North Pacific, Singapore, 9VYR	Double hull tanker	107592	54,467	12,167	grounding	unknown	00,0
167	181 1 9	1 997 25/05/1997	Pram	Other		64,667	24,417	capsized	unknown	00'0
168	212 1 9	1 997 05/06/1997	Zambrow, Poland	General cargo	6,931	55,557	12,173	grounding	no	00'0
169	157 1	997 28/07/1997	Hanne Mette, Denmark, OXLR2	Coaster	980	55,024	12,466	grounding	unknown	00'0
170	158 1	1 997 15/08/1997	Alkor, Germany, DBND	Training vessel	279	54,592	11,553	grounding	unknown	00'0
171	213 1 9	1 997 17/09/1997	Sleza, Poland	Single hull tanker	695	55,400	14,400	grounding	no	00'0
172	23 1 9	1 997 10/10/1997	Akkerman, Liberia, ELS18	Bulk carrier	52670	57,200	11,567	leakage	lio	08'0
173	214 1	1 997 25/10/1997	Ust-94, Poland	Other	103	54,450	16,400	grounding	ou	00,00
174	170 1 997	997 01/11/1997	Debora, Sweden, SKRG	Other	2337	25,667	21,000	grounding	no	00'0
175	252 1 9	1 997 01/12/1997	MT Crystal Ametyst	Double hull tanker		60,510	27,083	grounding	ou	00,00
176	159 1	1 997 23/12/1997	Northern Loftnes, Malta, 9HSC4	Dry cargo	3712	55,325	12,457	grounding	unknown	00'0
177	248 1	1 997 24/12/1997	Slesvig-Holsten	Ferry		54,670	11,240	grounding		00'0
178	47 1	1 997 1997	Antra, Latvia, UL2064	Fishing vessel	3020	57,017	16,950	colision	no	00,00
179	25 1	1 998 03/01/1998	Thjelvar, Sweden, SIKA	Pass.ro-ro	2480	57,637	18,288	18,288 techn. failure	oil	0,50
180	132	1 998 05/01/1998	Megamotti	Other		60,358	22,078	grounding	unknown	00'0
181	26 1 998	998 08/01/1998	Anne Sif, Denmark, QZAQH	Single hull tanker	9214	60,417	19,000	oil spill	oil	0,40
182	160 1 998	998 17/01/1998	Thamesis, Germany, DLSK	Dry cargo	4168	55,267	14,733	grounding	unknown	00.00
183	61	1 998 22/01/1998	Volgo-Balt 122, Russia, UCGU	Dry cargo		55,500	9,733	run into touch	no	00'0
\$	215 1	1 998 26/01/1998	Ericjusawave, Limassol, Cyprus			54,020	14,385	oil spill	oil	0,30
185	79 1	998 01/1998	Kotlin, Russia	Other	350	59,992	29,733	sunk	oil	37,50
186	161	1 998 14/02/1998	Betty, Netherlands, PDAI	Bulker	3157	54,517	11,833	grounding	unknown	00'0
187	216 1	1 998 13/03/1998	Alexandras, Valetta, Malta			55,183	18,958	oil spill	oil	00.0
188	42 1	1 998 31/03/1998	Kaunas, Lithuania with Kol_181, Poland	Other	7664 & 72	54,950	15,500	colision	unknown	00'0
189	62 1	62 1 998 31/03/1998	Al Faran 1, Sirya, YKMO	Dry cargo		54,667	20,333	run into touch	no	00'0
190	63 1	1 998 04/04/1998	Vytegra, Russia, UYFV	Dry cargo		55,700	12,600	fire	ou	00'0

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191	187 1	┪—	Gerda	Other	5210	60,517	27,083	grounding	unknown	00'0
192	+		Kol-32 with Kol-136, Poland	Fishing vessels	98/unkn.	54,457	15,436	colision	OU	00'0
193	- 49	998 19/04/1998	Sovetskiy Voin	Dry cargo		60,683	17,167	run into touch	ОП	00'0
194	80	998 04/1998	Gamma, Russia	Other	3480	60,200	27,767	ice damage	no	00'0
195	27 1	1 998 03/05/1998	United Tony	Single hull tanker	4165	58,667	20,000	20,000 oil spill	oil	90'0
196	219 1 998	998 10/05/1998	Dar-27, Poland	Fishing vessel		54,500	16,500	16,500 hull leak, sunk	oil	00,00
197	163 1 998	998 20/05/1998	Wanda, Denmark, OUPA	Fishing vessel		55,247	15,658	15,658 wrecked	unknown	00'0
198	28 1 998	998 26/05/1998	Magnus Spirit, Cyprus, P3SF3	Bulk carrier	54492	26,000	16,667	oil spill	lio	1,50
199	29 1 998	998 23/06/1998	Orn, Sweden, SFB-6176	Tugboat	Br. 10	63,217	18,950	capsized	lio	0,28
200	81	1 998 06/1998	Pritzwalk, Liberia	Other	12000	59,933	30,250	sunk	QU	00,00
201	30	1 998 08/07/1998	Victoire, Liberia, ELTK7	Single hull tanker	13453	60,298	19,025	oit spill	oil	66'0
202	133 1	1 998 19/07/1998	Selene Prahm, GER	Other	2400	60,427	19,242	19,242 grounding	unknown	00'0
203	82 1	1 998 07/1998	Tosna, Russia	Other	2300	59,933	30,250 sunk	sunk	lio	25,00
204	134 1	134 1 998 04/08/1998	Pamela, FIN	Other		60,522	21,130	grounding	unknown	00,00
205	220 1	220 1 998 04/08/1998	Inz. Stanislaw Legowski, Poland, SPG	Dredger	2015,52 BR	54,207	15,547	pressure hose	oil	1,00
206	221 1 998	998 05/08/1998	Oresund	Double hull tanker		54,822	18,880	oil spill	oil	2,00
207	31 1	1 998 14/08/1998	Maria Gorthon, Sweden, SLCH	Ro-ro	3885	57,700	11,950	techn. failure	ou	00'0
208	-	998 11/10/1998	Kronprins Frederik, Denmark, OYEM	Ferry	4277	54,553	11,934	grounding	unknown	00'0
509	135 1	1 998 13/10/1998	Mt Natura	Double hull tanker		60,135	25,650	grounding	unknown	00'0
210	222	1 998 17/10/1998	Dar-20, Poland	Fishing vessel	39,23 BR	54,500	16,500	16,500 water into mach. sp.	oil	17,00
211		1 998 11/11/1998	Dar-23, Poland	Other	13	54,783	17,650	grounding	no	00'0
212	165 1	1 998 11/12/1998	Doris T, Antigua&Barbados, V2HR	Dry cargo	2150	54,690	11,290	grounding	unknown	00'0
213	182 1 998	998 17/12/1998	Passaden	Other		59,000	23,583	bottom touch	unknown	00'0
214	65 1	1 998 22/12/1998	Volgo-Balt 187, UAPT	Dry cargo	2467	53,833	14,167	run into touch	no	00'0
215		1 998 22/12/1998	Kol-36 with Kol-112, Poland	Fishing vessels	42	54,250	15,167	colision	no	00'0
216	188 1	1 998 31/12/1998	Maria VG	Other		61,083	21,333	bottom touch	unknown	00'0
217	225 1 999	999 11/02/1999	Dwi-3, Poland	Fishing vessel	2	54,233	15,600	sunk	oil	0,20
218	226 1	226 1 999 17/02/1999	Dar-42, Poland	Fishing vessel		54,500	16,500	partly sunk	oil	20,0
219	227 1	227 1 999 07/03/1999	Ust-206, Poland	Other	72	55,283	16,750	colision	no	00'0
220	166 1 999	999 08/04/1999	Urai, Cyprus, P3DC8	Double hull tanker	28840	54,465	12,170	grounding	unknown	00,00
221	32 1	1 999 14/04/1999	Timber Sun, Belize, V3QR8	General cargo	2290	63,833	20,267	oil spill	oil	06,0
222	228 1	999 19/04/1999	Swi-54, Poland	Other	13	54,000	14,417	other	unknown	00'0
223	171 1	1 999 26/04/1999	Nemunas, Lithuania, LYOE	Single hull tanker	3389	55,667	21,083		oil	09'0
224	83 1	1 999 04/1999	Eotums, Great Britain	Double hull tanker	22000	59,817	27,250	grounding	no	00,00
225	28	1 999 05/1999	Omsky-1, Russia	Other	3000	59,933	30,250	colision	oil-8,chem -5	10,00
226	33 1	33 1 999 16/06/1999	Albion, Cyprus, P3VK2	Bulk carrier	27982	56,403	17,902	oil spill	oil	0,15
227	229 1	229 1 999 18/06/1999	Dar-166, Darlowo, Poland	Fishing vessel		54,968	16,165	oil spill	oil	0,18
228	34 1	34 1 999 21/06/1999	Tyr, Sweden, SLBR	Pleasure craft	Br. 94	62,817	18,300	ballast, due to list	oil	0,05

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229	85 1 999	85 1 999 06/1999	Volgo-Don 5088, Russia	Other	2000	59,933	30,500	colision	chemicals	12,00
230	230 1 999	9 25/08/1999	Chy-21, Poland	Fishing vessel	8	54,383	15,900	sunk	oil	06'0
231	35 1 999	9 26/08/1999	Cinderella II, Sweden, SHOR	Pass. ship	Br. 324	59,317	18,050	8,050 techn. failure	oil	0,15
232	36 1 999	9 26/08/1999	Zanis Griva, Liberia, ELR16	Single hull tanker		28,600	16,200	techn, failure	Oil	6,25
233	167 1 999	9 18/09/1999	Sea Joy, Malta, 9HJW5	Double hull tanker	47172	54,469	12,180	grounding	unknown	00'0
234	66 1 999	9 29/09/1999	Igarka, UDYY	Dry cargo	2426	54,667	20,333	run into touch	ou	00'0
235	86 1 999	9 09/1999	Nefterudovoz-7, Russia	Single hull tanker	2700	59,867	30,500	grounding	oil	75,00
236	87 1 999	9 09/1999	Priboy, Russia	Other	48	59,933	30,250	grounding	no	00'0
237	231 1 999	9 05/10/1999	Dar-55, Poland	Fishing vessel		54,500	16,500	partly sun	oit	0,50
238	88 1 999	9 10/1999	Flagman, Russia	Other	006	59,933	30,250	30,250 grounding	no	00'0
239	172 1 999	9 05/11/1999	Bajorai, Lithyania, LYBO	Other	116	55,083	15,167	grounding	no	00'0
240	183 1 999	9 16/11/1999	Tover Julie	Other		65,667	24,667	grounding	unknown	00'0
241	169 1 999	9 21/11/1999	Highland Faith, Panama, 3FG9	Double hull tanker	77673	54,465	12,182	grounding	unknown	00'0
242	184 1 999	9 25/11/1999	MS Inov Roglav, PO	Other		60,167	25,000	grounding	unknown	00'0
243	89 1 999	9 11/1999	Voshod, Rusia	Other	234	59,800	26,900	grounding	υO	00'0
244	189 1 999	9 03/12/1999	Jessica	Other		60,167	25,000	bottom touch	unknown	00'0
245	173 1 999	9 04/12/1999	Seines, Norway, IXKQ	Other	689	55,830	21,000	grounding	no	00'0
246	174 1 999	9 06/12/1999	Almanama, Bahrain	Double hull tanker	9700	56,033	20,950	broken hose	oil	4,00
247	253 1 999	9 08/12/1999	Spanvik	Other	650	60,187	25,769	grounding	unknown	00'0
248	232 1 999	9 16/12/1999	Dzi-110, Poland, SQPN	Fishing vessef	106,7 BR	54,500	16,500	grounding	no	00'0
249	48 1 999	9 1999	Daugavpils, Latvia, YLDQ	Dry cargo	3020	57,800	44,683	colision	OL OL	00'0
250	49 1 999	9 1999	Fredis, Latvia, YL2351	Fishing vessel	11	57,517	22,933	total loss	ОП	00'0
251	50 1 999 1999	9 1999	Sniegs, Latvia, YL2029	Fishing vessel	47	56,514	20,941	total loss	no	00'0

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Ministry of Environmental Protection and Regional Development of the Republic of Latvia Marine Environment Board

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