



Inventory of EU Member States Oil Pollution Response Vessels 2012



© Photo credits (in order of appearance):

Bottsand Germany (cover) by CCME (Central Command for Maritime Emergencies); Zeetijger Belgium by Guido Jansen for Marine Traffic; Nicos C. Attas, Marine Environment Protection Cyprus, Eva by Ministry of Environment Estonia; Bonassola by Leandro Malasavi for Marine Traffic; Sakia Lithuania by JS for Marine Traffic; Transport Malta, Ports and Yachting Directorate; Inter-Ballast I by Vazee for Shipspotting; KV Alesund Norway by Aage for Shipspotting; Hercules Romania by DMG for Shipspotting; Don Inda Spain by Dura Ace Wikipedia Creative Commons.

Tables and maps generated by EMSA.

Printed on chlorine-free paper.

© European Maritime Safety Agency, 2012

Reproduction is authorised provided the source is acknowledged

Table of Contents

Introduction	5
Acronyms	6
Country Profiles	7
Belgium	9
Bulgaria	15
Cyprus	21
Denmark	25
Estonia	31
Finland	35
France	43
Germany	49
Greece	61
Iceland	67
Ireland	69
Italy	71
Latvia	87
Lithuania	91
Malta	95
Netherlands	99
Norway	109
Poland	121
Portugal	127
Romania	137
Slovenia	149
Spain	151
Sweden	159
United Kingdom	165
Overview of EU Member States' oil pollution response vessels 2012	169

INTRODUCTION

The European Maritime Safety Agency (EMSA) has been given the task by Regulation (EC) No 721/2004 to “draw up on a regular basis a list of the private and state pollution response mechanisms and response capabilities in the various regions of the European Union”.

In order to fulfil this task of providing accurate and up-to-date information on the pollution preparedness and response mechanisms and capabilities of the EU and EFTA coastal States, EMSA contacts the competent authorities in each State and prepares specific inventories such as this Inventory of EU Members States Oil Pollution Response Vessels 2012.

This is the third updated version of the inventory, first published in 2006 and revised in 2009. The present edition of the Oil Pollution Response Vessels inventory replaces previous versions. This update is based on information provided and verified by the competent national authorities in each Member State in 2011.

The current update was expanded and provides additional information with regard to each vessel's main characteristics and equipment details, anti-pollution equipment available on board for oil pollution response and also the contact information of the competent national authority in each Member State regarding oil pollution response.

In particular, this inventory contains information for each Member State regarding:

- Profile for each Member State;
- List of vessels, including ownership: Government owned (specialised and non-specialised vessels) and private resources for oil pollution response;
- Vessel's main characteristics and operational range;
- Storage capacity and equipment details;
- Equipment available on board for pollution response;
- Previous experience with oil pollution response;
- Regional and bilateral agreements;
- Drills and exercises regarding oil pollution response.

EMSA would like to thank all parties that have contributed to the contents of this document.

ACRONYMS OF THE TERMS OF THE INVENTORY OF EU MEMBER STATES
OIL POLLUTION RESPONSE VESSELS 2012

BMA	Bulgarian Maritime Administration
CAST	Coastguard Agreement for Salvage and Towing
CERS	Coastal Emergency Response Squadron
DFMR	Department of Fisheries and Research
EFTA	European Free Trade Association
EMSA	European Maritime Safety Agency
ERCS	Emergency Rescue Centres
ETV	Emergency Towing Vessel
EU	European Union
FLIR	Front Looking Infrared Radar
GT	Gross Tonnage
HNS	Hazardous and Noxious Substances
HFO	Heavy Fuel Oils
IFO	Intermediate Fuel Oils
IMO NR.	International Maritime Organization (IMO) number (IMO followed by a unique, seven-digit number)
IRCG	Irish Coast Guard

ACRONYMS OF THE TERMS OF THE INVENTORY OF EU MEMBER STATES
OIL POLLUTION RESPONSE VESSELS 2012

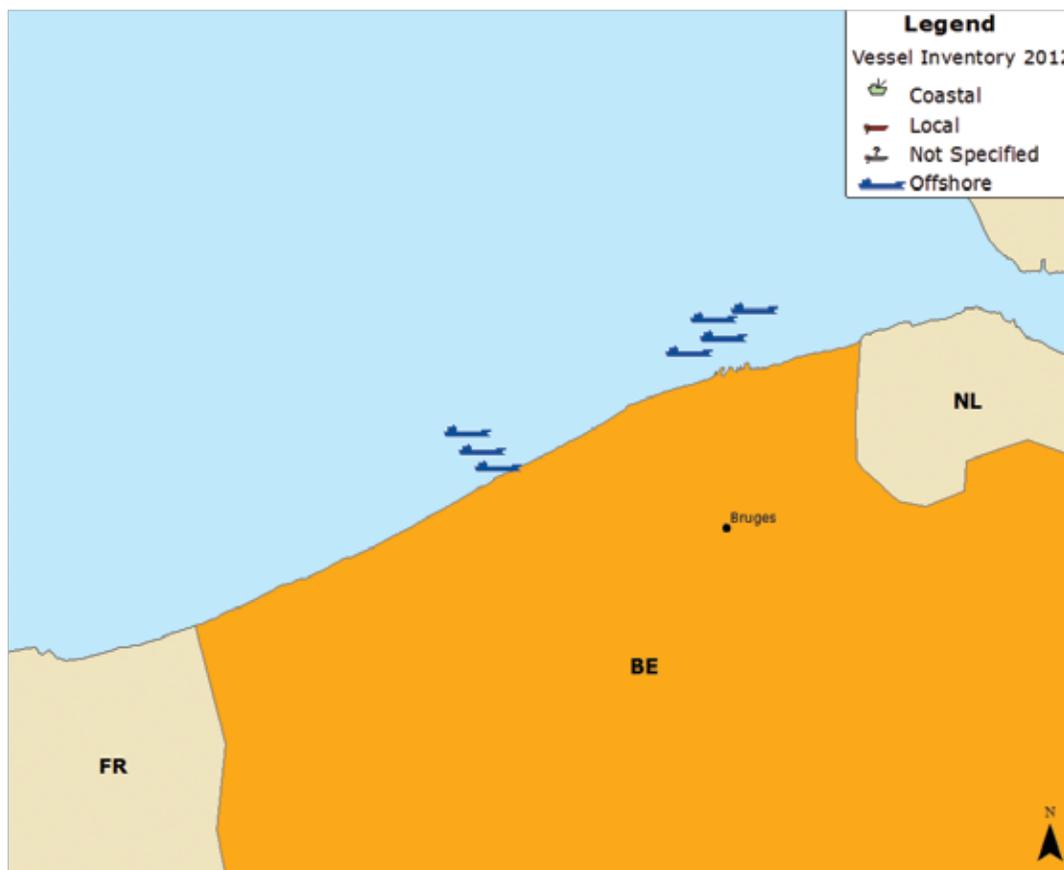
IUA	Inter-Municipal Contingency Regions
LOA	Length Over All
MCA	Maritime and Coastguard Agency
MERS	Marine Emergency Response Squadron
NCA	Norwegian Coastal Administration
NOB	Not permanently On Board
NOCG	Royal Norwegian Coastal Guard
NOFO	Norwegian Clean Seas Associations for Operating Companies
OPCR	International Convention on Oil Pollution and Preparedness Response and Cooperation, 1990 –(OPCR 1990)
PC	Permanent Commission
RIB	Semi-Rigid and Inflatable Boat
RMPCCS	Regional Marine Pollution Combating Centres
SAR	Search And Rescue
SLAR	Side-Looking Airborne Radar
TSHD	Trailing Suction Hopper Dredger



Country Profiles



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - BELGIUM



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Federal Public Service Health, Food Chain Safety And Environment, DG Environment – Marine Environment Service

(NB in close collaboration with partners within the Belgian Coastguard Structure)

LOCATION OF BELGIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Ostend
- Zeebrugge



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Belgium does not own or have under charter any specialised pollution response vessels. However 'vessels of opportunity' are available for the deployment of specialised pollution response equipment owned by the Directorate-General Environment of the federal public service Health, Food Chain Safety & Environment (see 1.2).

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The Directorate-General Environment of the Federal Public Service Public Health, Food Chain Safety & Environment owns a comprehensive stockpile of oil pollution response equipment located near Ostend. This equipment includes: one Vikoma Hi Sprint boom 1500 (300 m) and Sea Devil Skimmer or Vikoma sea Skimmer 50; one Nofi Vee Sweep 450/1000 system with 450S guide boom and Komara 40 skimmer or Komara Star skimmer; four Vikoma pollutant floating storage units and four Vikospray 2000 dispersant spraying unit as well as stock of dispersants. Complete sets of oil recovery systems and dispersant-spraying gear can be deployed by several 'vessels of opportunity' belonging respectively to the fleet service of the Regional Flemish Maritime Services Agency and the Federal Science Policy Office, assisted by Ready Duty ships of the Belgian Navy.

The Belgian Navy permanently maintains one of three vessels on stand-by at Zeebrugge to accomplish different tasks, including SAR, fisheries inspections and anti-pollution operations. The three vessels available for such duties are: A950 VALCKE, A963 STERN and A996 ALBATROS. The vessels do not have anti-pollution equipment and booms on-board permanently. Skimmers or dispersant spraying equipment would be loaded as needed. However, the storage capacity of the vessels used for oil recovery is limited and dependent of the use of floating storage tanks.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Belgium does not have any contracts for pollution response vessels with private companies. Major oil terminals have some equipment, including dispersant, to meet their own requirements but no formal agreements exist whereby this equipment could be pooled in the event of a large incident. However, Total and Esso have agreed to make their equipment available in the event of an oil spillage in the port of Antwerp.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

The UNION BEAVER is a multi-purpose salvage vessel of the company "URS Salvage & Maritime Contracting". She is equipped with dispersant-spraying gear, and with two sweeping arms and LORI side-collector units. She has an on board autonomous oil-storage capacity of about 300 m³. The UNION BEAVER participated in the international response to the Prestige oil spill (2002-2003) and was engaged as first-line oil-combating vessel in the oil-pollution contingency arrangements on the site of the TRICOLOR wreck-removal operation off Dunkirk (2003-2004).

This vessel is not at the present time under contract of the Belgian authorities.

4. REGIONAL AND BILATERAL AGREEMENTS

Bonn Agreement.

Quadripartite joint responsibility zone.

5. DRILL AND EXERCISES

Drills on land with response equipment: weekly.

Exercises at sea: yearly (deployment of response equipment in cooperation with neighbouring countries).



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ZEEHOND	LOA (M)	39.50	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M ³)	50 m ³ per tank floating tanks (NOB)
LOCATION	DRAUGHT (M)	3.45	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Ostend	AVERAGE SPEED (KN)	13	Dispersant spraying system (NOB) Disk skimmer + floating storage tank (NOB) NOFI V-Sweep boom (NOB)	
OPERATIONS	AGE OF VESSEL	21		
	SHIPYARD	Scheepswerf van Rupelmonde nv		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ZEETIJGER	LOA (M)	30.08	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.1	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	3.2	HEATED STORAGE (M ³)	No
	GT (TONNES)	309	ANTI-POLLUTION EQUIPMENT	
Ostend	AVERAGE SPEED (KN)	11.5	Dispersant spraying system (NOB) Disk skimmer + floating storage tank (NOB) NOFI V-Sweep boom (NOB) Vikoma HiSprint boom (300 m on hydraulic reel) (NOB)	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Damen Shipyard group (The Netherlands)		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Research Vessel	CRANE	Yes
TER STREEP	LOA (M)	49.85	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.6	TOTAL STORAGE CAPACITY (M ³)	100 m ³ per tank floating tanks (NOB)
LOCATION	DRAUGHT (M)	3.65	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Ostend	AVERAGE SPEED (KN)	11	Dispersant spraying system (NOB) Disk skimmer + floating storage tank (NOB) NOFI V-Sweep boom (NOB) Vikoma HiSprint boom (300 m on hydraulic reel) (NOB)	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	Not specified		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
BELGICA	Research Vessel		CRANE	Yes
	LOA (M)	50.9	CRANE CAPABILITY (TONNES)	387 kNm 2.9 tonnes at 13.6 m outreach
LOCATION	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M³)	100 m³ per tank floating tanks (NOB)
	DRAUGHT (M)	4.6	HEATED STORAGE (M³)	No
Zeebrugge	GT (TONNES)	765	ANTI-POLLUTION EQUIPMENT	
OPERATIONS	AVERAGE SPEED (KN)	11	Dispersant spraying system (NOB) Disk skimmer + floating storage tank (NOB) NOFI V-Sweep boom (NOB) Vikoma HiSprint boom (300 m on hydraulic reel) (NOB)	
	AGE OF VESSEL	27		
Offshore/Coastal	SHIPYARD	ARNO S.A. Dunkerque		
	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
A950 VALCKE	Emergency towing vessel ETV Pollution Response		CRANE	No
	LOA (M)	30.68	CRANE CAPABILITY (TONNES)	
LOCATION	BREADTH (M)	7.55	TOTAL STORAGE CAPACITY (M³)	
	DRAUGHT (M)	3.8	HEATED STORAGE (M³)	No
Zeebrugge	GT (TONNES)	316	ANTI-POLLUTION EQUIPMENT	
OPERATIONS	AVERAGE SPEED (KN)	10	Dispersant spraying system (NOB) Floating storage tanks (NOB)	
	AGE OF VESSEL	51		
Offshore/Coastal	SHIPYARD	v/h HH Bodewes Millingen (The Netherlands)		
	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
A963 STERN	Patrol/Navy Vessel		CRANE	Yes
	LOA (M)	49.9	CRANE CAPABILITY (TONNES)	1.250
LOCATION	BREADTH (M)	8.52	TOTAL STORAGE CAPACITY (M³)	50 m³ per tank floating tanks (NOB)
	DRAUGHT (M)	2.9	HEATED STORAGE (M³)	No
Zeebrugge	GT (TONNES)	378	ANTI-POLLUTION EQUIPMENT	
OPERATIONS	AVERAGE SPEED (KN)	13	Dispersant spraying system (NOB)	
	AGE OF VESSEL	31		
Offshore/Coastal	SHIPYARD	Karlskronavaret (Sweden)		
	IMO NR.	*		

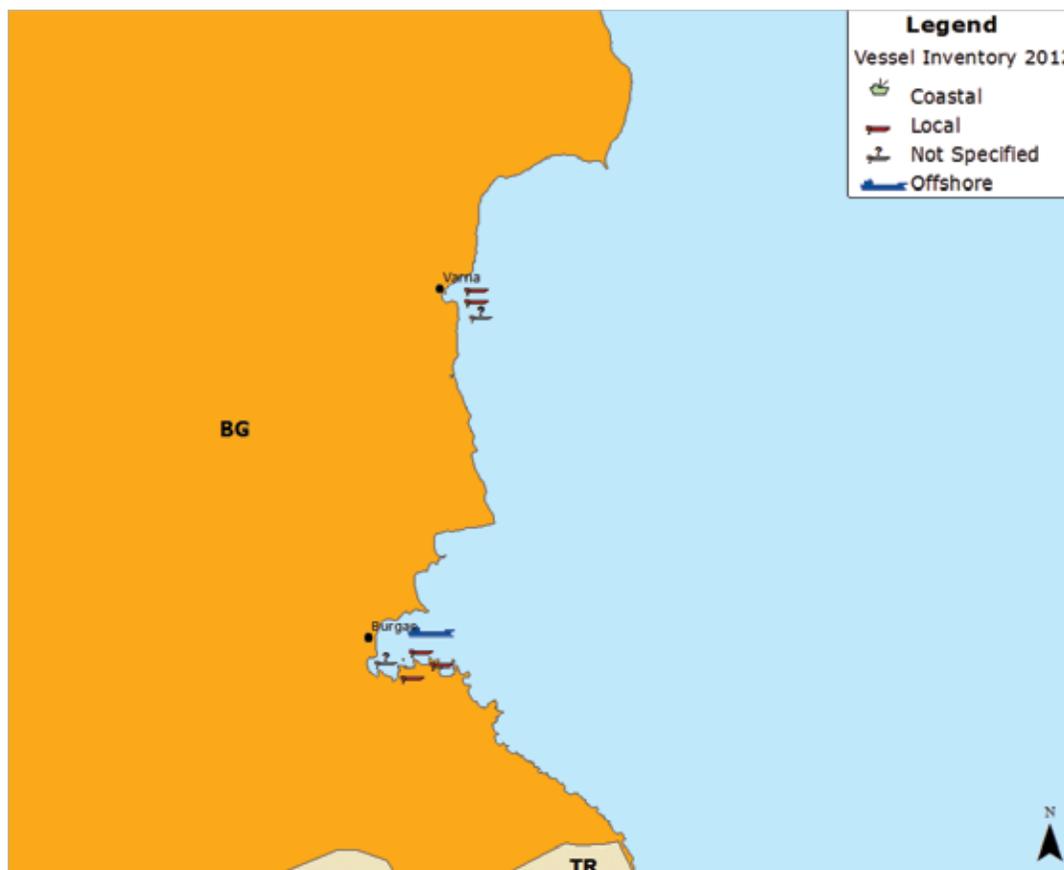


VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
A996 ALBATROS	LOA (M)	27.7	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	6.97	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	No
	GT (TONNES)	206	ANTI-POLLUTION EQUIPMENT	
Zeebrugge	AVERAGE SPEED (KN)	10	Dispersant spraying system (NOB) Floating storage tanks (NOB)	
OPERATIONS	AGE OF VESSEL	43		
	SHIPYARD	Rijkswerf Willemsoord Den Helder (The Netherlands)		
Offshore/Coastal	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - BULGARIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Ministry of Transport, Information Technology and Communications
Bulgarian Maritime Administration, Executive Agency

LOCATION OF BULGARIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Burgas
- Varna



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

According to the National Oil Spill Contingency Plan, the lead role for at-sea spill response operations is assigned to the Bulgarian Maritime Administration (BMA) of the Ministry of Transport, Information Technology and Communications and is exercised through the Marine Emergency Response Squadron (MERS). Bulgarian territorial waters are divided into two regions of responsibility covering respectively the BMA's directorates in Varna and Burgas. The harbour masters of Varna and Burgas are in charge of the relevant MERSs.

Shoreline clean-up operations are dealt with by the Coastal Emergency Response Squadron (CERS) led by the "Fire Safety and Rescue" Directorate General of the Ministry of Interior.

The coordination between the different response teams is carried out by the Headquarters for coordination and control. There are two levels of the Contingency Plan – one national (to the Council of Ministers) and one regional level (to the Governors).

The preferred response is containment/recovery for at-sea response and manual/mechanical techniques for shoreline clean-up. Special permission for the use of chemicals (e.g. dispersants) needs to be obtained from the Ministry of Environment and Waters. Limited stockpiles of equipment for at-sea response are held by the private company Marine Antipollution Enterprise JSC. The Border Police and Bulgarian Navy can also provide a range of vessels and personnel to support the response, if needed.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

There are 2 survey vessels and 14 multipurpose vessels based in the ports of Varna and Burgas.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

There are six oil spill response vessels in the main Bulgarian ports – Varna and Burgas. Oil recovery vessels of this type are operational in sea conditions up to 2 Beaufort scale.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- UNIREA (1982) spilt an unknown quantity of bunker oil after exploding off Cape Kaliakra.
- KRITI LAND (1987) spilt 40-100 tonnes of crude oil at the Druzba terminal, Burgas.
- ADALBERT ANTONOV (2008) spilt 10-20 tonnes of IFO 180 in port of Varna.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bucharest Convention
- Odessa Declaration
- Strategic Action Plan for the Rehabilitation and Protection of the Black Sea
- Sofia Declaration



5. DRILL AND EXERCISES

The last national exercise was carried out between 8 and 10 March 2010 in Varna. This was a joint oil spill response exercise between EMSA and the Republic of Bulgaria with the main goal to evaluate the readiness of Bulgaria to deal with major oil spills by training in the following:

1. The National Oil Spill Contingency Plan finalized in 2001 (NCP 2001):
 - Oil spill surveillance and evaluation (position, type and quantity of oil spill);
 - Modelling the movement of oil spill on the sea surface and possible risk assessment with regard to sensitive and protected areas (using the specialized software product GNOME);
 - Mobilisation and deployment of the national oil spill response resources.
2. The Regional Contingency Plan was approved in 2003 by the Commission on the Protection of the Black Sea Against Pollution (RCP 2003) and duly signed by the Republic of Bulgaria in October 2003. Communications testing for the Black Sea region via BRAVO exercise carried out in line with the long-term Plan for Oil Spill Preparedness Exercises with the leading country Bulgaria-BG-BRAVO N1/2010. Testing the mechanisms of requesting and receiving European support (EMSA stand-by oil spill recovery vessels).



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
RUSALKA	LOA (M)	25.22	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	7.01	TOTAL STORAGE CAPACITY (M ³)	128
LOCATION	DRAUGHT (M)	3.24	HEATED STORAGE (M ³)	No
	GT (TONNES)	144	ANTI-POLLUTION EQUIPMENT	
Burgas	AVERAGE SPEED (KN)	10	Boom – 1000 m Desmi Skimmer-50 m ³ /hr	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Genoa, Italy		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
NS-26	LOA (M)	14.85	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	12
LOCATION	DRAUGHT (M)	1.60	HEATED STORAGE (M ³)	No
	GT (TONNES)	26	ANTI-POLLUTION EQUIPMENT	
Varna	AVERAGE SPEED (KN)	2	Not specified	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	Russia		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
NS-28	LOA (M)	14.85	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	12
LOCATION	DRAUGHT (M)	1.60	HEATED STORAGE (M ³)	No
	GT (TONNES)	26	ANTI-POLLUTION EQUIPMENT	
Varna	AVERAGE SPEED (KN)	2	Not specified	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Russia		
Local	IMO NR.	*		



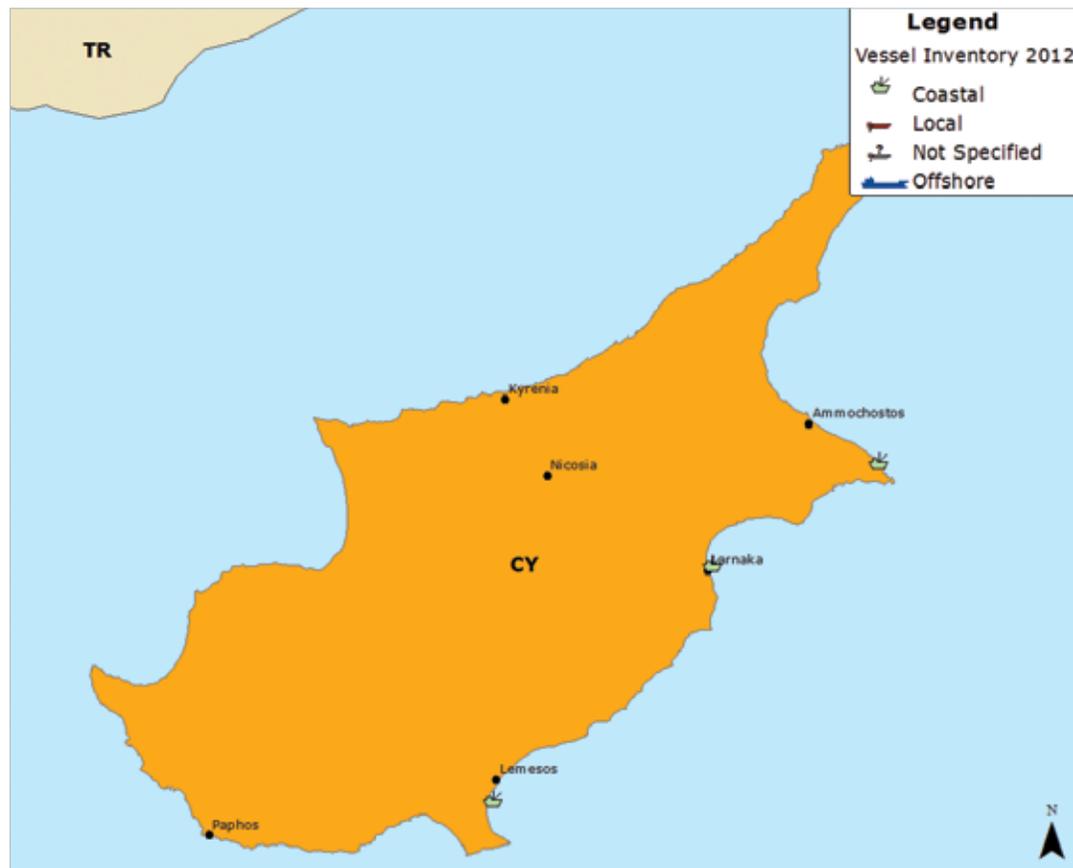
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
NS-23	LOA (M)	14.85	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	14.8
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	26	ANTI-POLLUTION EQUIPMENT	
Burgas	AVERAGE SPEED (KN)	11	Not specified	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	Ukraine		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
NS-25	LOA (M)	14.85	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	14.8
LOCATION	DRAUGHT (M)	1.60	HEATED STORAGE (M ³)	No
	GT (TONNES)	26	ANTI-POLLUTION EQUIPMENT	
Burgas	AVERAGE SPEED (KN)	2	Not specified	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Ukraine		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
TYULENOVO	LOA (M)	40.4	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	250
LOCATION	DRAUGHT (M)	2.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	209	ANTI-POLLUTION EQUIPMENT	
Varna	AVERAGE SPEED (KN)	5	Not specified	
OPERATIONS	AGE OF VESSEL	56		
	SHIPYARD	Varna		
Not specified	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	No
TAYFUN 64	LOA (M)	11.76	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	2.86	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	0.81	HEATED STORAGE (M³)	
	GT (TONNES)	11	ANTI-POLLUTION EQUIPMENT	
Burgas	AVERAGE SPEED (KN)	12	Not specified	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Russia		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
STATIONARY FLOATING STORAGE TANK	LOA (M)	14.0	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M³)	264
LOCATION	DRAUGHT (M)	2.0	HEATED STORAGE (M³)	No
	GT (TONNES)	26	ANTI-POLLUTION EQUIPMENT	
Burgas	AVERAGE SPEED (KN)	Not specified	Not specified	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Burgas		
Stationary	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - CYPRUS



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Department of Fisheries & Marine Research (for Oil & HNS)

LOCATION OF CYPRIOT OIL POLLUTION RESPONSE VESSELS 2012:

- Larnaka
- Protaras
- Lemesos



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Department of Fisheries and Marine Research (DFMR) of the Ministry of Agriculture and Natural Resources is responsible for oil spill control and response at the national level and for the setting up of emergency response centres (ERCs) as follows:

The Department of Fisheries and Marine Research Headquarters responds to oil spill accidents, activates the National Contingency Plan and if necessary enforces the Sub-regional Agreement between Cyprus, Israel, and Egypt to combat oil spills.

In case of larger oil spills which cannot be dealt with using the national equipment and resources, the Department of Merchant Shipping is responsible for coordinating international and EU assistance. Also, the Department of Merchant Shipping will liaise with EMSA in order to contract oil recovery services.

It is noted that the Republic of Cyprus does not own specialized or dedicated anti-pollution vessels.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The Cyprus National Authorities also have in their possession 1,550 m of Open Sea Boom, 1,850 m of Harbour Boom, 600 m of Coast Boom, 10 Dispersants Spraying Units, 11 Skimmers Units, approximately 22,000 litres of Oil Dispersants, 6 Oil Holding Tank Units, 3 Submersible pump units, 4 pressure steam cleaner units, 5 Oil/Water Separator Units, 3 Generating Sets, Oil Sorbents, Vehicles, Portable Hydraulic Winches, 3 Water Pumps, and 1 Vacuum Cleaner.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Cyprus Oil Refinery, BP and the cement factories all maintain stocks of booms, dispersants, skimmers and sorbents to varying degrees. A number of private contractors offer spill response equipment including dispersant spraying vessels. However no information is currently available regarding vessel details. At present, there is no update on the equipment available through private resources.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

Several minor spills have occurred with an appropriate clean-up.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention
- A trilateral agreement and sub-regional contingency plan with Egypt & Israel

5. DRILL AND EXERCISES

On 2 September 2011, a boom deployment drill was performed at the Vassilikos electric power plant.

On 6 October 2011, a national oil spill response exercise with the cooperation of EMSA was held.

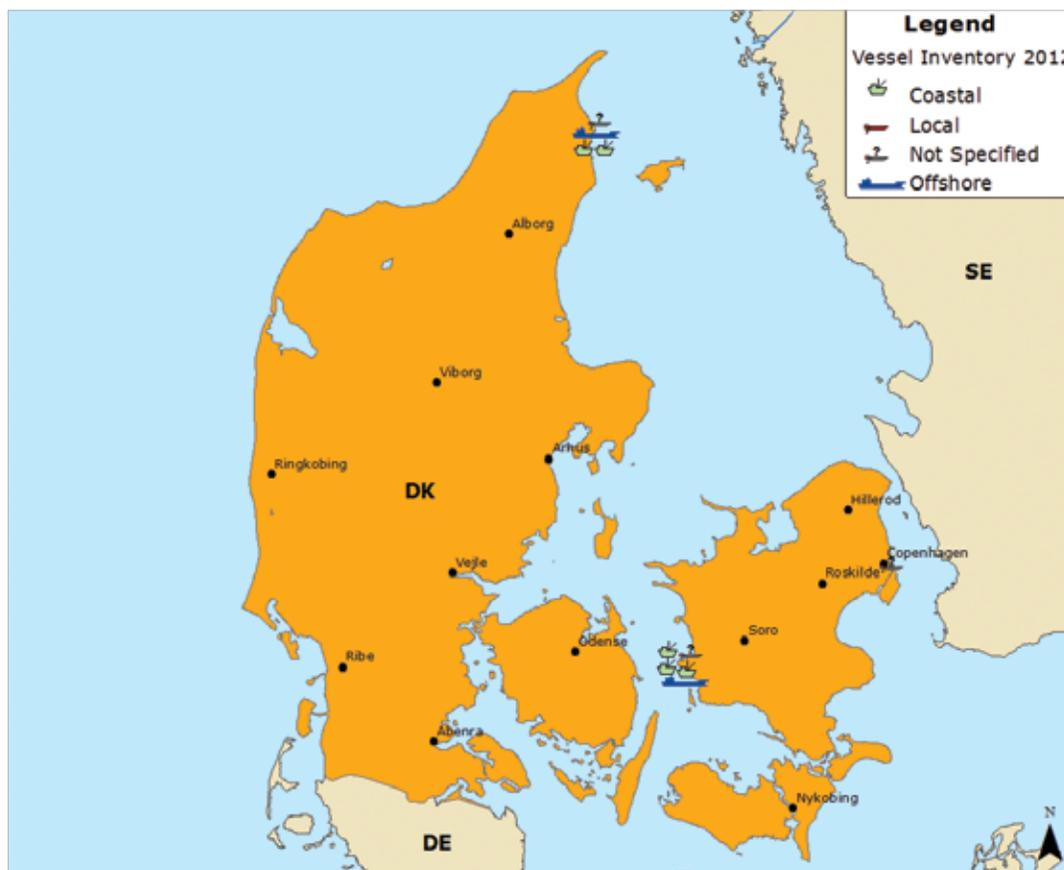


VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
ALKYON	CLASS	Multipurpose vessel		No
	LOA (M)	11.58	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	3.85	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Larnaca	AVERAGE SPEED (KN)	18	Dispersant sprays Transportation of response personnel Equipment and products	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	STAR FIBREGLASS LTD Nicosia/Cyprus		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
AMFITRITI	CLASS	Multipurpose vessel		No
	LOA (M)	11.76	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	3.85	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Protaras	AVERAGE SPEED (KN)	18	Dispersant sprays Transportation of response personnel Equipment and products	
OPERATIONS	AGE OF VESSEL	15		
	SHIPYARD	STAR FIBREGLASS LTD Nicosia/Cyprus		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS		CRANE	
GORG0	CLASS	Patrol/Navy Vessel		No
	LOA (M)	12.7	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.26	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Limassol	AVERAGE SPEED (KN)	18	Dispersant sprays Transportation of response personnel Equipment and products	
OPERATIONS	AGE OF VESSEL	13		
	SHIPYARD	STAR FIBREGLASS LTD Nicosia/Cyprus		
Coastal	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - DENMARK



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:
Ministry of Agriculture, Natural Resources and Environment

LOCATION OF DANISH OIL POLLUTION RESPONSE VESSELS 2012:

- Korsoer
- Frederikshavn
- Copenhagen



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Royal Danish Navy owns and operates seven specialized oil spill response vessels. These are equipped with a variety of booms, skimmers, pumps and other accessories and are stationed at centrally-located naval bases. Three dedicated storage barges are also kept on standby for emergency use. Further barge capacity can be chartered in the local shipping market. Special spill response vessels primarily carry out the combating operations at sea together with other ships from the Royal Danish Navy, the Royal Danish Administration of Navigation and Hydrography, private tug companies, etc. as well as aircraft from the Royal Danish Air Force.

For combating oil pollution at sea the Danish contingency organisation is based on two different procedures, both approved by the Government:

- The first is that the oil should be removed from the surface of the sea by mechanical means. The Danish response capability is prepared for that.
- The second procedure is to combat an oil spill by dispersants. However, dispersants are only used to a very limited extent and only if there is a reason for doing so, for example that the state of the sea does not allow use of mechanical means, that there is a great risk of damaging seabirds, that there is a risk of explosion or in

case of rescue operations. According to the Act of the Protection of the Marine Environment only the Danish EPA can grant permission to use dispersants.

Combating operations on shore is primarily carried out by the Danish Emergency Management Agency, local authorities.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The Danish Ministry of Defence has initiated the procurement of the following equipment:

- General sweeping equipment and shallow water sweeping gear.
- Two new shallow water response vessels. 9 MVH 900 Class. 330 m Ro-Boom 1300. Nordsøen, 330 m Ro-Boom 1300.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

It is possible that private tug and salvage companies might become involved in a response operation, especially if there are salvage aspects to the incident. Though there is an internationally significant manufacturer of spill

response equipment located in the country (Ro-clean Desmi), there are no specialised spill clean-up contractors that would operate at sea in Danish waters. Private firms are often involved in off-loading oil from recovery vessels or in shoreline clean-up operations. Concerning offshore activities the oil drilling and oil producing companies are to have their own contingency organisation and combating equipment for starting combating in case of an oil spill or a blow-out. These plans must be approved by the Danish EPA.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- FU SHAN HAI (2003), 1,800 tonnes of heavy fuel + 110 diesel oil lubricants
- BALTIC CARRIER (2001), 2,700 tonnes of heavy fuel oil

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement
- Helsinki Convention
- Copenhagen Agreement
- DenGer Agreement with Germany covering the Wadden Sea and the southern Baltic Sea
- Bilateral agreement with Canada covering Baffin Bay, Davis Strait etc.
- Member of the European Community Task Force
- DenGerNeth Agreement
- SweDenGer Agreement



5. DRILL AND EXERCISES

Admiral Danish Fleet conduct 5-6 exercises every year in cooperation with municipalities, the police and DEMA. International exercises in the Danish area of operations will be conducted together with the municipalities in the area.

VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply/Ice Class	CRANE	Yes
A561 GUNNAR SEIDENFADEN	LOA (M)	56.0	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	12.30	TOTAL STORAGE CAPACITY (M ³)	310.7
LOCATION	DRAUGHT (M)	4.60	HEATED STORAGE (M ³)	219.2
	GT (TONNES)	1,660	ANTI-POLLUTION EQUIPMENT	
Korsoer	AVERAGE SPEED (KN)	12	3 x 200 m Ro-Boom Ocean, 5 Expandi. Belt Skimmer, Terminator, Destroil 250, Ro- Sweep, Grappe	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Oerskov shipyard		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply/Ice Class	CRANE	Yes
A 560 GUNNAR THORSEN	LOA (M)	56.0	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	12.30	TOTAL STORAGE CAPACITY (M ³)	310.7
LOCATION	DRAUGHT (M)	4.60	HEATED STORAGE (M ³)	219..2
	GT (TONNES)	1,660	ANTI-POLLUTION EQUIPMENT	
Frederikshavn	AVERAGE SPEED (KN)	12	3 x 200 m Ro-Boom Ocean, 5 Expandi. Belt Skimmer, Terminator, Destroil 250, Ro- Sweep, Grappe	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Oerskov shipyard		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	SeaTruck	CRANE	Yes
A563 MARIE MILJOE	LOA (M)	29.5	CRANE CAPABILITY (TONNES)	0.4
	BREADTH (M)	8.02	TOTAL STORAGE CAPACITY (M ³)	75
LOCATION	DRAUGHT (M)	2.38 (at full load)	HEATED STORAGE (M ³)	No
	GT (TONNES)	247	ANTI-POLLUTION EQUIPMENT	
Korsoer	AVERAGE SPEED (KN)	9	2 x SMC, 200 m Ro-Boom Ocean, Komara skimmer, Detroil 250, Ro-Sveep. Lamor skimmer	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Søren B Larsen & sons yard		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	SeaTruck	CRANE	Yes
A 562 METTE MILJOE	LOA (M)	29.75	CRANE CAPABILITY (TONNES)	0.4
	BREADTH (M)	8.02	TOTAL STORAGE CAPACITY (M ³)	75
LOCATION	DRAUGHT (M)	2.38 (at full load)	HEATED STORAGE (M ³)	No
	GT (TONNES)	247	ANTI-POLLUTION EQUIPMENT	
Frederikshavn	AVERAGE SPEED (KN)	9	2 x SMC, 200 m Ro-Boom Ocean, Komara skimmer, Detroil 250, Ro-Sveep. Lamor skimmer	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Søren B Larsen & Sons yard		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	No
MS 201	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	300
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Korsoer	AVERAGE SPEED (KN)	All barges must be towed or taken alongside. Towing speed app. 10 knots	Storage only	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Not specified		
Storage	IMO NR.	*		



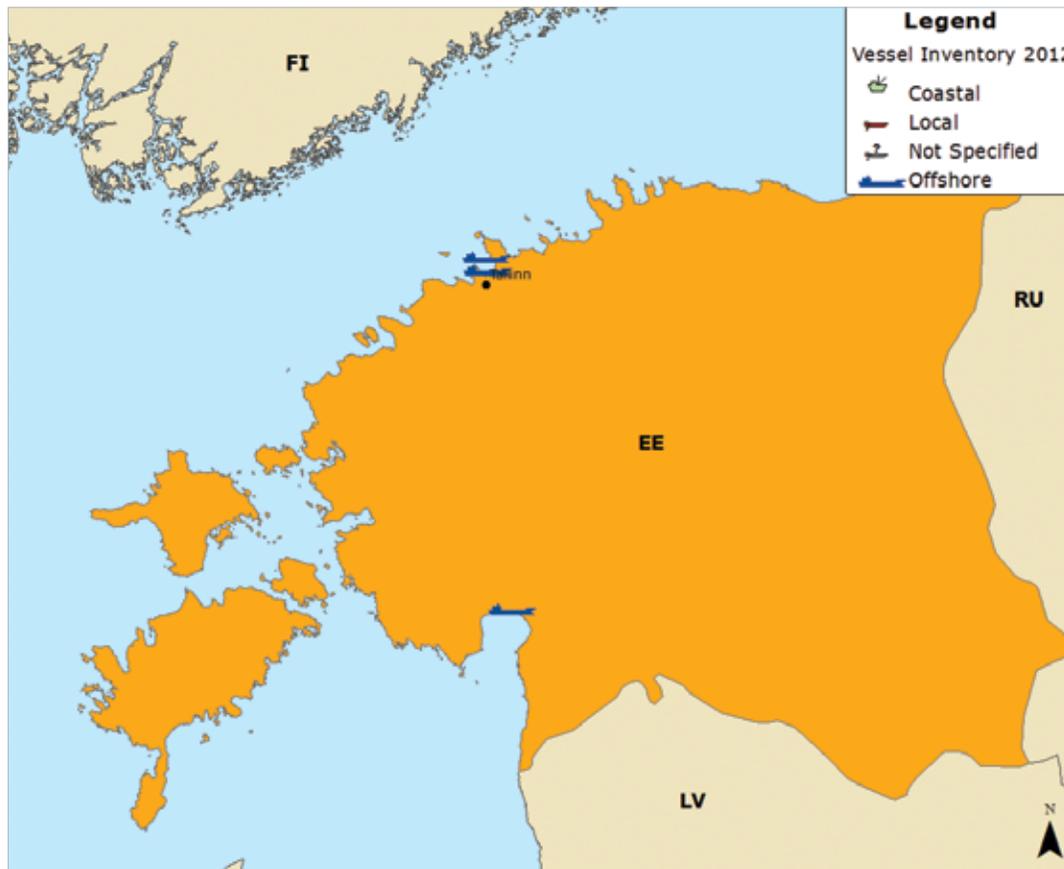
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	No
MS 202	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	300
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	No
	GT (TONNES)	All barges must be towed or taken alongside. Towing speed app. 10 knots	ANTI-POLLUTION EQUIPMENT	
Copenhagen	AVERAGE SPEED (KN)	30	Storage only	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Søren B Larsen & Sons yard		
Storage	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	No
MS 203	LOA (M)	24.0	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8	TOTAL STORAGE CAPACITY (M ³)	300
LOCATION	DRAUGHT (M)	2.20 at full load	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Frederikshavn	AVERAGE SPEED (KN)	All barges must be towed or taken alongside. Towing speed app. 10 knots	Storage only	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Not specified		
Storage	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	No
MILJOE 103	LOA (M)	24	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	2.20 at full load	HEATED STORAGE (M ³)	
	GT (TONNES)	30	ANTI-POLLUTION EQUIPMENT	
Korsoer	AVERAGE SPEED (KN)	All barges must be towed or taken alongside. Towing speed app. 10 knots	Lamor skimmer	
OPERATIONS	AGE OF VESSEL	3		
	SHIPYARD	A/S Hvide Sande skibs- og baadebygger		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	No
MILJOE 102	LOA (M)	24	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8	TOTAL STORAGE CAPACITY (M ³)	0.4
LOCATION	DRAUGHT (M)	2.20 at full load	HEATED STORAGE (M ³)	No
	GT (TONNES)	16	ANTI-POLLUTION EQUIPMENT	
Frederikshavn	AVERAGE SPEED (KN)	All barges must be towed or taken alongside. Towing speed app. 10 knots	Minimax 10	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	Eivinds plasticjolle- og baadevaeft		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Shallow water vessel	CRANE	No
MILJOE 101	LOA (M)	17.37	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.60	TOTAL STORAGE CAPACITY (M ³)	0.4
LOCATION	DRAUGHT (M)	0.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	16	ANTI-POLLUTION EQUIPMENT	
Korsoer	AVERAGE SPEED (KN)	21	Minimax 10	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	Eivinds plasticjolle- og baadevaeft		
Coastal	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - ESTONIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:
Estonian Police and Border Guard Board
LOCATION OF ESTONIAN OIL POLLUTION RESPONSE VESSELS 2012:
<ul style="list-style-type: none">• Tallinn• Pärnu



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Equipment including booms, skimmers, hot water cleaners and absorbents is stocked in Tallinn.

Estonian Police and Border Guard Board, responsible for oil spill combating have:

- 3,000 m of boom for coastal waters
- 2,000 m of boom for open sea

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

The major ports have their own recovery equipment. Muuga, the biggest oil terminal has 3,350 m of oil booms, 1 offshore Lamor brush skimmer, 3 Lamor Minimax brush skimmers, 1 boom-layer and three smaller oil combating vessels.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- Tanker KIHNU (in 1993) Kopli peninsula area, 85 tonnes of light fuel oil
- Tanker ALAMBRA (in 2000) 250 tonnes of crude oil, Muuga Harbour

4. REGIONAL AND BILATERAL AGREEMENTS

- Helsinki Convention
- Bilateral Agreement with the Republic of Finland for the Gulf of Finland area

5. DRILL AND EXERCISES

Exercise "Clean Sea" (Balex Charly), annual bilateral exercise with the Republic of Finland in the Gulf of Finland.



VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply	CRANE	Yes
PVL-202 KATI	LOA (M)	40	CRANE CAPABILITY (TONNES)	2
	BREADTH (M)	6.6	TOTAL STORAGE CAPACITY (M ³)	113
LOCATION	DRAUGHT (M)	3	HEATED STORAGE (M ³)	No
	GT (TONNES)	471	ANTI-POLLUTION EQUIPMENT	
Tallinn, (operated by Border Guard)	AVERAGE SPEED (KN)	12	Lamor brush skimmer 2x80 m ³ /h (summer) 70 m ³ /h (winter)	
OPERATIONS	AGE OF VESSEL	45		
	SHIPYARD	Elbe Germani/Rosslauer shipbuilding		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply/Ice Class	CRANE	Yes
EVA-316	LOA (M)	60	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	12.2	TOTAL STORAGE CAPACITY (M ³)	196
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	907	ANTI-POLLUTION EQUIPMENT	
Summer-Tallinn, Winter-Pärnu (Operated by Estonian Maritime Administration)	AVERAGE SPEED (KN)	11	Lamor brush skimmers, 2 x 200 m ³ /h (summer), 2 x 50 m ³ /h (winter)	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Rauma Repola OY		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply/Ice Class	CRANE	Yes
SEKTORI	LOA (M)	33	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	7.9	TOTAL STORAGE CAPACITY (M ³)	50
LOCATION	DRAUGHT (M)	2.9	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	215	ANTI-POLLUTION EQUIPMENT	
Tallinn (owner Finstaship, operated by Estonian Maritime Administration)	AVERAGE SPEED (KN)	9	Lori brush skimmers 2 x 25 m ³ /h	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	Rauma Repola OY		
Offshore	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - FINLAND



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Finnish Environment Institute (SYKE)

LOCATION OF FINNISH OIL POLLUTION RESPONSE VESSELS 2012:

- Turku
- Kirkkonummi
- Savonlinna
- Helsinki
- Vaasa
- Kotka
- Maarian-hamina



1. GOVERNMENT OWNED RESOURCES

1.1. *Government Specialised Anti-Pollution Vessels*

The Finnish oil spill response fleet comprises 15 government-owned and operated ship-sized recovery vessels. In addition Aland Islands has one ship sized recovery vessel. It should be noted that none of these vessels are classed to operate outside the Baltic Sea and that requests to send the vessel abroad are evaluated technically on a case by case basis.

1.2. *Government Non-Specialised Vessels and Equipment for Anti-Pollution Response*

Municipalities also have a number of medium and small-size vessels that can be used in recovery operations. These include over 100 specialised oil-combating boats and rafts in the 10-20 m length range as well as hundreds of smaller, non-specialised boats. Among the municipal boats, 32 are permanently outfitted with sweeping arm stiff-brush oil recovery systems. Ten of the ship-size vessels are suitable for operating in open waters/high seas and five in coastal waters. All of the vessels are equipped with sweeping arm

oil recovery systems with ability to recover heavy viscous oils and have heated oil storage capacity (three biggest 800, 1,250 and 1,400 m³). Total storage capacity of 16 vessels is 4,500 m³ and total sweeping performance is 19.8 km² per 24 hours at vessel velocity of 2 knots. That total capacity can be used in any place of Finland's response region within three days.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. *Private Vessels Available for Anti-Pollution Response*

There are currently no private spill response contractors in Finland.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

Significant Oil Spill Incidents:

ANTONIO GRAMSCI (1979), 5,000–6,000 tonnes of crude oil.

4. REGIONAL AND BILATERAL AGREEMENTS

- Helsinki Convention
- Copenhagen Agreement
- Bilateral agreements exist with the Russian Federation and with Estonia

5. DRILL AND EXERCISES

Finland carries out annually several exercises with neighbouring countries – bi- and/or trilateral exercise with Estonia and Russia in Gulf of Finland area, and exercises within the framework of Copenhagen Agreement.



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
HALLI	LOA (M)	60,5	CRANE CAPABILITY (TONNES)	6
	BREADTH (M)	12.4	TOTAL STORAGE CAPACITY (M ³)	1,400
LOCATION	DRAUGHT (M)	4.76	HEATED STORAGE (M ³)	1,400
	GT (TONNES)	1350.6	ANTI-POLLUTION EQUIPMENT	
Turku	AVERAGE SPEED (KN)	10	2 sweeping arms (40 m sweeping width) 3 x 200 m, 2 m high Ro-Boom 3 x 200 m 1.5 m high Ro-Boom	
OPERATIONS	AGE OF VESSEL	24		
	SHIPYARD	Rauma		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
HYLJE	LOA (M)	54.1	CRANE CAPABILITY (TONNES)	5.5
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	800
LOCATION	DRAUGHT (M)	3.0	HEATED STORAGE (M ³)	800
	GT (TONNES)	726.72	ANTI-POLLUTION EQUIPMENT	
Kirkkonummi	AVERAGE SPEED (KN)	10	2 sweeping arms (35 m sweeping width) 4 x 200 m 2 m high Ro-Boom	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Turku		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
KUMMELI	LOA (M)	28.2	CRANE CAPABILITY (TONNES)	2.5
	BREADTH (M)	7.9	TOTAL STORAGE CAPACITY (M ³)	70
LOCATION	DRAUGHT (M)	2.45	HEATED STORAGE (M ³)	70
	GT (TONNES)	197	ANTI-POLLUTION EQUIPMENT	
Savonlinna	AVERAGE SPEED (KN)	7	2 sweeping arms (25 m sweeping width)	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	Savonlinna		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LETO	LOA (M)	42.7	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	12.2	TOTAL STORAGE CAPACITY (M ³)	42.7
LOCATION	DRAUGHT (M)	3.8	HEATED STORAGE (M ³)	42.7
	GT (TONNES)	735	ANTI-POLLUTION EQUIPMENT	
Helsinki	AVERAGE SPEED (KN)	7	3 x 200 m, 1.5 m high Lamor Boom	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Turku		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LINJA	LOA (M)	34.9	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	9.0	TOTAL STORAGE CAPACITY (M ³)	77.4
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	77.4
	GT (TONNES)	298	ANTI-POLLUTION EQUIPMENT	
Vaasa	AVERAGE SPEED (KN)	7	2 sweeping arms (23 m sweeping width)	
OPERATIONS	AGE OF VESSEL	23		
	SHIPYARD	Turku		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LOUHI	LOA (M)	71.4	CRANE CAPABILITY (TONNES)	18.8; 5.5 and 1
	BREADTH (M)	14.5	TOTAL STORAGE CAPACITY (M ³)	1,250
LOCATION	DRAUGHT (M)	5.2	HEATED STORAGE (M ³)	1,250
	GT (TONNES)	3,450	ANTI-POLLUTION EQUIPMENT	
Kirkkonummi	AVERAGE SPEED (KN)	15	2 sweeping arms (45 m sweeping width)	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Uudenkaupungin työvene		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MERIKARHU	LOA (M)	58	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	11	TOTAL STORAGE CAPACITY (M ³)	40 + oil sack station
LOCATION	DRAUGHT (M)	4.7	HEATED STORAGE (M ³)	40
	GT (TONNES)	1,100	ANTI-POLLUTION EQUIPMENT	
Helsinki	AVERAGE SPEED (KN)	11	3 x 200 m, 1,5 m high LAMOR boom	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Rauma		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
OILI I	LOA (M)	24.5	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	6,6	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	2.1	HEATED STORAGE (M ³)	80
	GT (TONNES)	114	ANTI-POLLUTION EQUIPMENT	
Helsinki	AVERAGE SPEED (KN)	7	2 sweeping arms (21 m sweeping width)	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Savonlinna		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
OILI II	LOA (M)	24.5	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	6,6	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	2.1	HEATED STORAGE (M ³)	80
	GT (TONNES)	114	ANTI-POLLUTION EQUIPMENT	
Turku	AVERAGE SPEED (KN)	7	2 sweeping arms (21 m sweeping width)	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Savonlinna		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
OILI III	LOA (M)	24.5	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	6.6	TOTAL STORAGE CAPACITY (M³)	80
LOCATION	DRAUGHT (M)	2.1	HEATED STORAGE (M³)	80
	GT (TONNES)	116	ANTI-POLLUTION EQUIPMENT	
Kotka	AVERAGE SPEED (KN)	7	2 sweeping arms (21 m sweeping width)	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Savonlinna		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
OILI IV	LOA (M)	19.9	CRANE CAPABILITY (TONNES)	8.2
	BREADTH (M)	6.5	TOTAL STORAGE CAPACITY (M³)	30
LOCATION	DRAUGHT (M)	2.0	HEATED STORAGE (M³)	30
	GT (TONNES)	71	ANTI-POLLUTION EQUIPMENT	
Vaasa	AVERAGE SPEED (KN)	7	2 sweeping arms (21 m sweeping width)	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Savonlinna		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SEKTORI	LOA (M)	33.0	CRANE CAPABILITY (TONNES)	8.3
	BREADTH (M)	7,9	TOTAL STORAGE CAPACITY (M³)	108
LOCATION	DRAUGHT (M)	2.45	HEATED STORAGE (M³)	108
	GT (TONNES)	215	ANTI-POLLUTION EQUIPMENT	
Tallinn	AVERAGE SPEED (KN)	7	2 sweeping arms (25 m sweeping width)	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	Savonlinna		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SEILI	LOA (M)	50.5	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	12.2	TOTAL STORAGE CAPACITY (M ³)	196
LOCATION	DRAUGHT (M)	3.8	HEATED STORAGE (M ³)	196
	GT (TONNES)	735	ANTI-POLLUTION EQUIPMENT	
Kotka	AVERAGE SPEED (KN)	10	2 sweeping arms (30 m sweeping width)	
OPERATIONS	AGE OF VESSEL	32		
	SHIPYARD	Savonlinna		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SVÄRTAN	LOA (M)	24.0	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	6.6	TOTAL STORAGE CAPACITY (M ³)	52
LOCATION	DRAUGHT (M)	2.1	HEATED STORAGE (M ³)	52
	GT (TONNES)	111	ANTI-POLLUTION EQUIPMENT	
Maarian-hamina	AVERAGE SPEED (KN)	8	2 sweeping arms (21 m sweeping width)	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Skärgårdsvarvet		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
TURSAS	LOA (M)	61.45	CRANE CAPABILITY (TONNES)	26
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	100 + oil sack station
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	100
	GT (TONNES)	1,300	ANTI-POLLUTION EQUIPMENT	
Turku	AVERAGE SPEED (KN)	11	2 sweeping arms (30 m sweeping width)	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Uusikaupunki		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
UISKO	LOA (M)	61.45	CRANE CAPABILITY (TONNES)	26
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	100 + oil sack station
LOCATION	DRAUGHT (M)	4,5	HEATED STORAGE (M ³)	100
	GT (TONNES)	1,300	ANTI-POLLUTION EQUIPMENT	
Turku	AVERAGE SPEED (KN)	11	2 sweeping arms (30 m sweeping width)	
OPERATIONS	AGE OF VESSEL	24		
	SHIPYARD	Uusikaupunki		
Offshore/Coastal	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - FRANCE



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:
Secrétariat Général de la Mer

LOCATION OF FRENCH OIL POLLUTION RESPONSE VESSELS 2012:

- Toulon
- Brest
- Cherbourg



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

–

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

Stockpiles are located in different places along the French coastline such as Dunkerque, Le Havre, Brest, Saint-Nazaire, Nantes, Le Verdon, Bordeaux, Sete, Marseille and Ajaccio. French Navy stockpiles : Cherbourg, Brest, Toulon. Coastal and port stockpiles.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

The French navy has contracts with private companies along the coasts, in order to benefit from heavy port tugs in emergency situations. Some of them have pollution

response capacities (spraying dispersants) and could be employed with OSRV (some are tugs, some have cranes, etc.).

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION

- TORREY CANYON (1967), 121,000 tonnes crude oil
- AMOCO CADIZ (1978), 227,000 tonnes
- GINO (1979), 32,000 tonnes carbon black
- TANIO (1980), 6,000 tonnes heavy oil
- AMAZZONE (1988), 2,100 tonnes crude oil
- HAVEN (1991), 144,000 tonnes crude oil
- ERIKA (1999), 19,000-20,000 tonnes heavy fuel oil
- PRESTIGE (2002) 64,000 tonnes heavy fuel oil n°2

- Total oil refinery, Donges (Atlantic coast) 2008: 400 tonnes IFO380.
- CMA-CGM STRAUSS, Mediterranean Sea: 180 tonnes IFO380.
- Oil recovery from wrecks: PETER SIF (wreckage 1979 - 3 operations: 2006, 2007, 2008; 11 tonnes recovered), LAPLACE (wreckage 1949 - 2 operations, 2009 and 2010; 120 tonnes recovered).

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention
- Manche Plan
- Mediplan
- RAMOGE
- Member of the European Community Task Force
- Quadripartite Plan
- Lisbon Agreement (signed but not approved, consequently not in force)
- Bonn Agreement
- Biscay Plan
- Lion Plan

5. DRILL AND EXERCISES

One exercise per year for each coast: Channel - North Sea, Mediterranean Sea and Atlantic coast, consequently 3 exercises per year for France.

The exercises are undertaken/conducted in cooperation with other Member States.



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
AILETTE	LOA (M)	53.0	CRANE CAPABILITY (TONNES)	23
	BREADTH (M)	13	TOTAL STORAGE CAPACITY (M ³)	480
LOCATION	DRAUGHT (M)	6.75	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	1,000	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	14	2 skimmers, 1 sweeping arm, two 9 m dispersant spraying arms, 300 m high sea booms, 1 transfer pump 300 m ³ /h	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Constructions mécaniques de Normandie (France)		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ALCYON	LOA (M)	53.0	CRANE CAPABILITY (TONNES)	23
	BREADTH (M)	13	TOTAL STORAGE CAPACITY (M ³)	480
LOCATION	DRAUGHT (M)	6.75	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	1,000	ANTI-POLLUTION EQUIPMENT	
Brest	AVERAGE SPEED (KN)	14	2 skimmers, 1 sweeping arm, two 9 m dispersant spraying arms, 300 m high sea booms, 1 transfer pump 300 m ³ /h	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Constructions mécaniques de Normandie (France)		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
JASON	LOA (M)	67	CRANE CAPABILITY (TONNES)	28
	BREADTH (M)	16	TOTAL STORAGE CAPACITY (M ³)	480
LOCATION	DRAUGHT (M)	7.3	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	2,310	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	15	2 skimmers, two 12 m dispersants spraying arms, high sea booms, 2 pumps two 96 m ³ /h transfer pump high sea booms, 2 pumps two 96 m ³ /h transfer pump	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Keppel Singmarine Singapore		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ARGONAUTE	LOA (M)	69.0	CRANE CAPABILITY (TONNES)	23
	BREADTH (M)	15.5	TOTAL STORAGE CAPACITY (M ³)	Between 1,100-1,500
LOCATION	DRAUGHT (M)	7.3	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	2,370	ANTI-POLLUTION EQUIPMENT	
Brest	AVERAGE SPEED (KN)	15	2 sweeping arm, two 9 m dispersant spraying arms, 2x300 m high sea booms, 1 transfer pump 300 m ³ /h oil recovery capacity : 1500 m ³	
OPERATIONS	AGE OF VESSEL	8		
	SHIPYARD	Brevik construction A/S Norway		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
ELAN	LOA (M)	41.5	CRANE CAPABILITY (TONNES)	5.6
	BREADTH (M)	7.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	3.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	400	ANTI-POLLUTION EQUIPMENT	
Cherbourg	AVERAGE SPEED (KN)	12	Not always on ship but can operate : oil skimmer booms floating storage tank	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	La Perrière france		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
CHEVREUIL	LOA (M)	41.5	CRANE CAPABILITY (TONNES)	5.6
	BREADTH (M)	7.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	3.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	400	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	12	Not always on ship but can operate: oil skimmer booms floating storage tank	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	La Perrière france		
Offshore	IMO NR.	*		



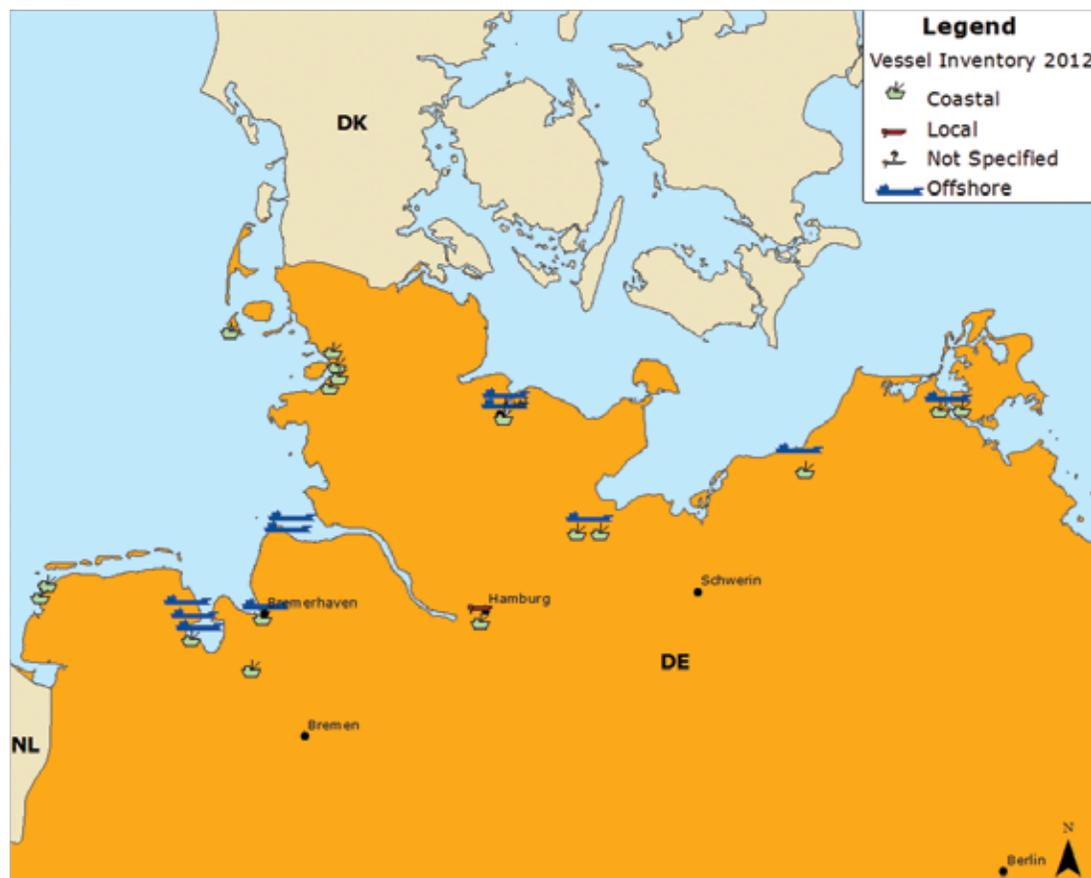
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
GAZELLE	LOA (M)	41.5	CRANE CAPABILITY (TONNES)	5.6
	BREADTH (M)	7.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	3.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	400	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	12	Not always on ship but can operate: oil skimmer booms floating storage tank	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	La Perrière france		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
TAAPE	LOA (M)	41.5	CRANE CAPABILITY (TONNES)	5.6
	BREADTH (M)	7.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	3.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	375	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	12	Not always on ship but can operate : oil skimmer booms floating storage tank	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	La Perrière france		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ABEILLE BOURBON	LOA (M)	80.0	CRANE CAPABILITY (TONNES)	23
	BREADTH (M)	16.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	3,200	ANTI-POLLUTION EQUIPMENT	
Brest	AVERAGE SPEED (KN)	19.5	4 engines 16,000 HP 2 propellers 2 sweeping arms with pump	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Kleven maritime norway		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ABEILLE LIBERTÉ	LOA (M)	80,0	CRANE CAPABILITY (TONNES)	23
	BREADTH (M)	16.5	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	3200	ANTI-POLLUTION EQUIPMENT	
Cherbourg	AVERAGE SPEED (KN)	19.5	4 Engines 16,000HP 2 propellers 2 sweeping arms with pump.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Kleven Maritime Norway		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ABEILLE FLANDRE	LOA (M)	63,4	CRANE CAPABILITY (TONNES)	4
	BREADTH (M)	14.4	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	7.3	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	1933	ANTI-POLLUTION EQUIPMENT	
Toulon	AVERAGE SPEED (KN)	17	4 engines 16,000 HP, 2 propellers	
OPERATIONS	AGE OF VESSEL	32		
	SHIPYARD	Ulstein hatlo A/S Ustleinvk Norway		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
ABEILLE LANGUEDOC	LOA (M)	63,4	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	14.4	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	7.3	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	1933	ANTI-POLLUTION EQUIPMENT	
Boulogne	AVERAGE SPEED (KN)	17	4 engines 12,800 HP 2 propellers 1 pump	
OPERATIONS	AGE OF VESSEL	32		
	SHIPYARD	Ulstein hatlo A/S Ustleinvk Norway		
Offshore	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - GERMANY



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Central Command for Maritime Emergencies (CCME)
Section 2: for offshore response, aerial surveillance and international affairs, and Section 3: Marine Pollution Response – Coastal Section

LOCATION OF GERMAN OIL POLLUTION RESPONSE VESSELS 2012:

- Cuxhaven
- Kiel
- Bremerhaven
- Stralsund
- Norddeich
- Willhelmshaven
- Brake
- Hamburg
- Husum
- Amrum
- Rostock
- Lübeck



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Federal depot with further equipment for the anti-pollution vessels are located in Wilhelmshaven, Cuxhaven , Lübeck, Stralsund and Sassnitz.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

Federal stockpiles are located in Wilhelmshaven, Cuxhaven, Kiel. States' stockpiles are located in Bremen, Bremerhaven, Cuxhaven, Flensburg, Hamburg, Heiligendamm, Hilgenriedersiel, Husum , Jever, Kiel, Lübeck, Meldorf, Nordenham, Rostock, Stralsund, Wilhelmshaven, Wittmund.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

There are a number of oil spill clean-up contractors in Germany, most of them based in the major ports. These operate a number of specialised vessels and maintain equipment stockpiles relevant for spill response. While much of this equipment is held in readiness for incidents involving small ships in ports and terminals, some of it could be relevant for large spills where resources are pooled from different stockpiles. A number of the nation's recovery vessels are owned and operated under contract with the federal government. Where appropriate, private salvage companies could also be contracted to assist in response operations.

3. PREVIOUS EXPERIENCE ON OIL POLLUTION RESPONSE

There have been a number of small to moderate spills offshore.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement
- Helsinki Convention
- DenGerNeth Agreement
- SweDenGer Agreement
- Bilateral Agreement with Poland for the Pomeranian Bight
- Member of the European Community Task Force

5. DRILL AND EXERCISES

Annual drill and training plan with federal states and coastal states vessels. Drill and exercises take place - 75 per year - in the North and Baltic Sea, with all listed vessels. Including exercises: DENGERNET, SWEDENGER, BALEX Delta, POLGER, BONNEX.



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response-Ice breaker	CRANE	Yes
NEUWERK	LOA (M)	78.91	CRANE CAPABILITY (TONNES)	25
	BREADTH (M)	18	TOTAL STORAGE CAPACITY (M ³)	1000
LOCATION	DRAUGHT (M)	5.79	HEATED STORAGE (M ³)	1000
	GT (TONNES)	3422	ANTI-POLLUTION EQUIPMENT	
Cuxhaven	AVERAGE SPEED (KN)	15	22 x 15 m sweeping arms, suction pumps, grab, 2 x 200 high sea booms, deck storage tanks, 2/4 high sea fenders.	
OPERATIONS	AGE OF VESSEL	13		
	SHIPYARD	Volkswerft Stralsund		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
NORDSEE	LOA (M)	131.75	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	23	TOTAL STORAGE CAPACITY (M ³)	5400
LOCATION	DRAUGHT (M)	6.88	HEATED STORAGE (M ³)	No
	GT (TONNES)	8785	ANTI-POLLUTION EQUIPMENT	
Willhelmshaven	AVERAGE SPEED (KN)	13	2x22 m sweep arms, gravity separation system	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Orenstein u Koppel		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response-Ice breaker	CRANE	Yes
MELLUM	LOA (M)	80.45	CRANE CAPABILITY (TONNES)	8
	BREADTH (M)	15	TOTAL STORAGE CAPACITY (M ³)	910
LOCATION	DRAUGHT (M)	5.78	HEATED STORAGE (M ³)	No
	GT (TONNES)	2546	ANTI-POLLUTION EQUIPMENT	
Willhelmshaven	AVERAGE SPEED (KN)	16	2 x 15 m sweep arms, suction pumps, grab, 2 x 200 high sea booms, deck storage tanks	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Elsflether Werft		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
SCHARHÖRN	LOA (M)	56.1	CRANE CAPABILITY (TONNES)	12
	BREADTH (M)	14.23	TOTAL STORAGE CAPACITY (M ³)	430
LOCATION	DRAUGHT (M)	5.8	HEATED STORAGE (M ³)	430
	GT (TONNES)	1305	ANTI-POLLUTION EQUIPMENT	
Kiel	AVERAGE SPEED (KN)	14	2 x 13.5 sweeping arms, grab, 2 x 200 high sea booms, deck storage tanks, oil/water separation unit.	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Nobiskrug Werft		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Scissor-ship	CRANE	No
BOTTSAND	LOA (M)	46.3	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	12	TOTAL STORAGE CAPACITY (M3)	790
LOCATION	DRAUGHT (M)	3.1	HEATED STORAGE (M3)	790
	GT (TONNES)	500	ANTI-POLLUTION EQUIPMENT	
Warnemünde	AVERAGE SPEED (KN)	10	Twin hull vessel equipped with skimmers, oil/water separation unit	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Twin hull vessel equipped with skimmers, oil/ water separation unit		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Scissor-ship	CRANE	Yes
EVERSAND	LOA (M)	48.7	CRANE CAPABILITY (TONNES)	5.8
	BREADTH (M)	12	TOTAL STORAGE CAPACITY (M3)	500
LOCATION	DRAUGHT (M)	3.5	HEATED STORAGE (M3)	500
	GT (TONNES)	900	ANTI-POLLUTION EQUIPMENT	
Willhelmshaven	AVERAGE SPEED (KN)	10.5	Lightering equipment, 2 sweeping arms	
OPERATIONS	AGE OF VESSEL	12		
	SHIPYARD	Oderwerft Eisenhüttenstadt		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
VILM	LOA (M)	48.5	CRANE CAPABILITY (TONNES)	5.8
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	500
LOCATION	DRAUGHT (M)	2.6	HEATED STORAGE (M ³)	500
	GT (TONNES)	590	ANTI-POLLUTION EQUIPMENT	
Rostock / Lübeck	AVERAGE SPEED (KN)	10.2	Lightering equipment, 2 sweeping arms	
OPERATIONS	AGE OF VESSEL	12		
	SHIPYARD	Oderwerft Eisenhüttenstadt		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Fire fighting vessel	CRANE	Yes
KIEL	LOA (M)	48	CRANE CAPABILITY (TONNES)	7 / 10 m
	BREADTH (M)	9.2	TOTAL STORAGE CAPACITY (M ³)	350
LOCATION	DRAUGHT (M)	3	HEATED STORAGE (M ³)	No
	GT (TONNES)	465	ANTI-POLLUTION EQUIPMENT	
Kiel	AVERAGE SPEED (KN)	13	2 Jibs with inflatable booms, 2 LAMOR OPC-4 over the side systems, 2 GT 260 skimmers, boom-laying launch, oil/water separation unit.	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Hitzler, Lauenburg		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Non propelled barge	CRANE	No
WESTENSEE	LOA (M)	48.7	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	27.1	TOTAL STORAGE CAPACITY (M ³)	1960
LOCATION	DRAUGHT (M)	4.4	HEATED STORAGE (M ³)	No
	GT (TONNES)	967	ANTI-POLLUTION EQUIPMENT	
Bremerhaven	AVERAGE SPEED (KN)	5	Non self-propelled unit for recovery in rough seas, skimming system, gravitation separation system.	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Nobiskrug Werft		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response-Ice breaker	CRANE	Yes
ARKONA	LOA (M)	68.2	CRANE CAPABILITY (TONNES)	12.5
	BREADTH (M)	15.4	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.5	HEATED STORAGE (M ³)	430
	GT (TONNES)	2056	ANTI-POLLUTION EQUIPMENT	
Stralsund	AVERAGE SPEED (KN)	13.1	15 sweeping arms, suction pumps, grab, 2x200 high sea booms, deck storage tanks oil/water separation unit, 2/4 high sea fenders	
OPERATIONS	AGE OF VESSEL	7		
	SHIPYARD	Peene Werft		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply	CRANE	Yes
LEYHÖRN	LOA (M)	39.5	CRANE CAPABILITY (TONNES)	0.9 / 10.5 m
	BREADTH (M)	8.4	TOTAL STORAGE CAPACITY (M ³)	200
LOCATION	DRAUGHT (M)	2.1	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Norddeich	AVERAGE SPEED (KN)	10.5	2 Jibs with inflatable booms, 2 LAMOR OPC-4 over the side systems, mobile pump equipment, high pressure cleaner.	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Fassme, Berne		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Scissor-ship	CRANE	No
THOR	LOA (M)	34.65	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8.2	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2.74	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Willhelmshaven	AVERAGE SPEED (KN)	9	Twin hull oil recovery vessel, equipped with skimming system.	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Lühring, Brake		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
JANSSAND	LOA (M)	30	CRANE CAPABILITY (TONNES)	3.3 / 1.9 m
	BREADTH (M)	7	TOTAL STORAGE CAPACITY (M ³)	93
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Norddeich	AVERAGE SPEED (KN)	9.5	2 Jibs with inflatable booms, 2 LAMOR LPC-2 over the side systems, mobile pump equipment, high pressure cleaner, 63 m ³ in mobile storage tanks.	
OPERATIONS	AGE OF VESSEL	57		
	SHIPYARD	Lühring, Brake		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
OSK 1	LOA (M)	23.1	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8.1	TOTAL STORAGE CAPACITY (M ³)	18
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Brake	AVERAGE SPEED (KN)	10	Catamaran, LAMOR bow collector, Conveyor belt for high viscous oil.	
OPERATIONS	AGE OF VESSEL	32		
	SHIPYARD	AB Djupviks Varv, Djupvik		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
KNECHTSAND	LOA (M)	38.5	CRANE CAPABILITY (TONNES)	1.5 / 11.5 m
	BREADTH (M)	13.2	TOTAL STORAGE CAPACITY (M ³)	400
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	No
	GT (TONNES)	462	ANTI-POLLUTION EQUIPMENT	
Cuxhaven	AVERAGE SPEED (KN)	8.5	Multipurpose oil skimming system, chemical storage tank, pumps, high pressure cleaner.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	MWB, Bremerhaven		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MPOSS	LOA (M)	34.24	CRANE CAPABILITY (TONNES)	5 / 1-5 m
	BREADTH (M)	12.15	TOTAL STORAGE CAPACITY (M³)	300
LOCATION	DRAUGHT (M)	2.35	HEATED STORAGE (M³)	No
	GT (TONNES)	221	ANTI-POLLUTION EQUIPMENT	
Hamburg	AVERAGE SPEED (KN)	7.5	Multipurpose oil skimming system, pumps, high pressure cleaner.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Karl Sarstedt, Schiffswerft, Bremen		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	Yes
ODIN	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	3.2 / 7.5 m
	BREADTH (M)	9.8	TOTAL STORAGE CAPACITY (M³)	285
LOCATION	DRAUGHT (M)	1.9	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Husum	AVERAGE SPEED (KN)	10.6	2 Jibs with inflatable booms, 2 LAMOR LSC – 4 C over the side systems, mobile pump.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Fassmer, Berne		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	Yes
LÜTTMOOR	LOA (M)	30	CRANE CAPABILITY (TONNES)	1.16 / 7.60 m
	BREADTH (M)	8.6	TOTAL STORAGE CAPACITY (M³)	285
LOCATION	DRAUGHT (M)	1.9	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Husum	AVERAGE SPEED (KN)	10.6	2 Jibs with inflatable booms, 2 LAMOR LSC – 4 C over the side systems, mobile pump.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Fassmer, Berne		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
STRELASUND	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	0.9 / 10.6 m
	BREADTH (M)	8.4	TOTAL STORAGE CAPACITY (M ³)	200
LOCATION	DRAUGHT (M)	2.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	303	ANTI-POLLUTION EQUIPMENT	
Stralsund	AVERAGE SPEED (KN)	10	2 Jibs with inflatable booms, 2 LAMOR OPC-4 over the side systems, mobile pump equipment, high pressure cleaner mobile pump.	
OPERATIONS	AGE OF VESSEL	8		
	SHIPYARD	Germersheimer, Schiffswerft		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LUNEPLATE	LOA (M)	66.3	CRANE CAPABILITY (TONNES)	2.2 / 11.32 m
	BREADTH (M)	11.4	TOTAL STORAGE CAPACITY (M ³)	550
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	550
	GT (TONNES)	1056	ANTI-POLLUTION EQUIPMENT	
Bremerhaven	AVERAGE SPEED (KN)	8.5	2 x sweeping arms, bow collector, mobile pump, vacuum system, 60 to heating boiler.	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	T.Buschmann, Hamburg		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SARDINE	LOA (M)	22.9	CRANE CAPABILITY (TONNES)	0.9 / 5 m
	BREADTH (M)	6.4	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	1.15	HEATED STORAGE (M ³)	No
	GT (TONNES)	100	ANTI-POLLUTION EQUIPMENT	
Amrum	AVERAGE SPEED (KN)	8	Landing craft with 1 x outrigger system, Brushskimmer, only mobile Storage Tanks	
OPERATIONS	AGE OF VESSEL	45		
	SHIPYARD	Volkswerft Stralsund		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
STINT	LOA (M)	22.9	CRANE CAPABILITY (TONNES)	0.9 / 5 m
	BREADTH (M)	6.4	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	1.15	HEATED STORAGE (M ³)	No
	GT (TONNES)	100	ANTI-POLLUTION EQUIPMENT	
Lübeck	AVERAGE SPEED (KN)	8	Landing craft with 1 x outrigger system, Brushskimmer, only mobile Storage Tanks.	
OPERATIONS	AGE OF VESSEL	45		
	SHIPYARD	Volkswerft Stralsund		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ÄSCHE	LOA (M)	22.9	CRANE CAPABILITY (TONNES)	0.9 / 5 m
	BREADTH (M)	6.4	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	1.15	HEATED STORAGE (M ³)	No
	GT (TONNES)	100	ANTI-POLLUTION EQUIPMENT	
Rostock	AVERAGE SPEED (KN)	8	Landing craft with 1 x outrigger system, Brushskimmer, only mobile Storage Tanks.	
OPERATIONS	AGE OF VESSEL	45		
	SHIPYARD	Volkswerft Stralsund		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ORFE	LOA (M)	22.9	CRANE CAPABILITY (TONNES)	0.9 / 5 m
	BREADTH (M)	6.4	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	1.15	HEATED STORAGE (M ³)	No
	GT (TONNES)	100	ANTI-POLLUTION EQUIPMENT	
Stralsund	AVERAGE SPEED (KN)	8	Landing craft with 1 x outrigger system, Brushskimmer, only mobile Storage Tanks.	
OPERATIONS	AGE OF VESSEL	45		
	SHIPYARD	Volkswerft Stralsund		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Research Vessel	CRANE	No
OLAND	LOA (M)	26	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	7.2	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	1.8	HEATED STORAGE (M ³)	
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Husum	AVERAGE SPEED (KN)	10	Assistance in oil covered areas.	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Husumer Schiffswerft		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
NORDERHEVER	LOA (M)	40.5	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	9	TOTAL STORAGE CAPACITY (M ³)	150
LOCATION	DRAUGHT (M)	1.45	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Husum	AVERAGE SPEED (KN)	8.2	Landing craft with 1 x outrigger system, Brushskimmer only mobile Storage Tanks.	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Husumer Schiffswerft		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
MELISA	LOA (M)	16	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	5	TOTAL STORAGE CAPACITY (M ³)	10
LOCATION	DRAUGHT (M)	1.8	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Lübeck	AVERAGE SPEED (KN)	10	1 x outrigger system, skimmer.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
OS 01	LOA (M)	18.3	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	1.8	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Hamburg	AVERAGE SPEED (KN)	5	Only for operation in ports, canals and rivers, Built-in weir with self-priming function and flotsam sweeping basket.	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Russian		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
FOILINE	LOA (M)	NA	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	NA	TOTAL STORAGE CAPACITY (M ³)	244
LOCATION	DRAUGHT (M)	NA	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Kiel	AVERAGE SPEED (KN)	10	Wallosep W1 skimmer.	
OPERATIONS	AGE OF VESSEL	90		
	SHIPYARD	Jadewerft		
Coastal	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - GREECE



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

- Ministry of Citizen Protection (MCP)/Hellenic Coast Guard (HCG)
- Marine Environment Protection Directorate (MEPD)

LOCATION OF GREEK OIL POLLUTION RESPONSE VESSELS 2012:

- Elefsis
- Chania
- Thessaloniki
- Piraeus
- Lavrio
- Piraeus
- Patras
- Syros



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Twenty-four Regional Marine Pollution Combating Centers (RMPPCs) have been set up in the following Greek ports: Piraeus, Elefsis, Kavala, Thessaloniki, Patra, Chania, Isthmia, Syros, Neapolis Vion, Volos, Pylos, Alexandroupolis, Limnos, Chios, Rhodes, Zakynthos, Igoumenitsa, Iraklio, Thira, Corfu, Lavrio, Mitilini, Preveza and Samos. These centres, which are under the supervision of Port Authorities, have been manned with experienced personnel and are equipped with appropriate means and equipment (booms, skimmers, dispersants, absorbents, etc.) in order to enable immediate intervention and control of any pollution incident.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

Stockpiles are located at the majority of the Greek National Port Authorities, which also have in their possession:

- 23,000 m oil containment booms (not including the aforementioned equipment on vessels 401, 413-414-415, 416-417);
- 53 units dispersant application equipment (not including the aforementioned equipment on vessels 401, 413-414-415, 416-417);

- 51 units skimmers/pumps (not including the aforementioned equipment on vessels 401, 413-414-415, 416-417);
- 13 units beach cleaners (Vacuum equipment: 9 units Powervac Vikoma + 4 Scorvac 10/ trailer 2000 m³);
- 2 units Gerni systems (hot water/high pressure cleaners);
- 2,800 barrels chemical dispersants;
- 83,000 kg sorbents (rolls, pads, booms, pillows);
- 14,500 kg sorbent wigs.

Additionally, the Directorate has planned to supply antipollution equipment that will further equip the Port Authorities of the country, taking advantage financial resources provided by European Community and the limited resources of State budget.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Environmental Protection Engineering S.A. owns and operates a number of vessels, the majority of which (15 skimming vessels, one tugboat and a barge) are based at their headquarters in Piraeus (Keratsini port).

A further seven stations located in Greece and Cyprus each have a skimming vessel.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- MESSINIAKI FRONTIS (1979), 7,000 tonnes of crude oil;
- GEROI CHERNOMORYA (1992), 8,000 tonnes of crude oil;
- M/T "LA GUARDIA" (1994) 400 tonnes crude fuel diesel oil;
- FLOATING SEPARATOR "Slops I" (2000), 570 tonnes fuel oil;
- M/V "EUROBULLKER X" (2001), 475 tonnes fuel-diesel oil;
- C/S SEADIAMOND (2007) 430 tonnes fuel oil, 63 tonnes diesel oil, 34 tonnes lubricants, 9.5 tonnes sludges, 14 tonnes bilges, 9.5 tonnes lubricant residues.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention;
- Bilateral agreement with Italy;
- Member of the European Community Task Force.

5. DRILL AND EXERCISES

In 2007 and 2010 Greece arranged and carried out joint exercises with the European Maritime Safety Agency.

The Hellenic Coastguard's antipollution means and vessels and EMSA's contracted vessels participated in these two exercises, which were extremely successful and led to a strengthened cooperation between all parties involved.



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose vessel	CRANE	Yes
413	LOA (M)	29.10	CRANE CAPABILITY (TONNES)	1.1
	BREADTH (M)	6.2	TOTAL STORAGE CAPACITY (M ³)	10
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	(2 x 5 heated tanks)
	GT (TONNES)	210	ANTI-POLLUTION EQUIPMENT	
Elefsis	AVERAGE SPEED (KN)	15	300 m fence type boom (Flexi 1100), skimmer type T-Disk 18B Vikoma, dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Astilleros Gondan		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose vessel	CRANE	Yes
414	LOA (M)	29.10	CRANE CAPABILITY (TONNES)	1.1
	BREADTH (M)	6.2	TOTAL STORAGE CAPACITY (M ³)	10
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	(2 x 5 heated tanks)
	GT (TONNES)	210	ANTI-POLLUTION EQUIPMENT	
Chania	AVERAGE SPEED (KN)	15	300 m fence type boom (Flexi 1100),skimmer type T-Disk 18B Vikoma, dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Astilleros Gondan		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose vessel	CRANE	Yes
415	LOA (M)	29.10	CRANE CAPABILITY (TONNES)	1.1
	BREADTH (M)	6.2	TOTAL STORAGE CAPACITY (M ³)	10
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	(2 x 5 heated tanks)
	GT (TONNES)	210	ANTI-POLLUTION EQUIPMENT	
Thessaloniki	AVERAGE SPEED (KN)	15	300 m fence type boom (Flexi 1100),skimmer type T-Disk 18B Vikoma, dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Astilleros gondan		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
416	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M ³)	27
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	(2 x 13.5 heated tanks)
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Piraeus	AVERAGE SPEED (KN)	9.5	250 m air inflatable, troil boom A/F 1300, mop skimmer, skimming pump Desmi Dop-160.	
OPERATIONS	AGE OF VESSEL	12		
	SHIPYARD	Danish		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
417	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6,0	TOTAL STORAGE CAPACITY (M ³)	27
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	(2 x 13.5 heated tanks)
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Lavrio	AVERAGE SPEED (KN)	9.5	Air inflatable, troilboom A/F 1300, mop skimmer, skimming pump Desmi Dop-160, dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	12		
	SHIPYARD	Danish		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose vessel	CRANE	No
401	LOA (M)	19.00	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M ³)	6
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	50	ANTI-POLLUTION EQUIPMENT	
Piraeus	AVERAGE SPEED (KN)	9.5	180 m fence type boom (Troilboom 1100), Skimmer type Komara 12 K, dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	22		
	SHIPYARD	Elefsina		
Coastal	IMO NR.	*		



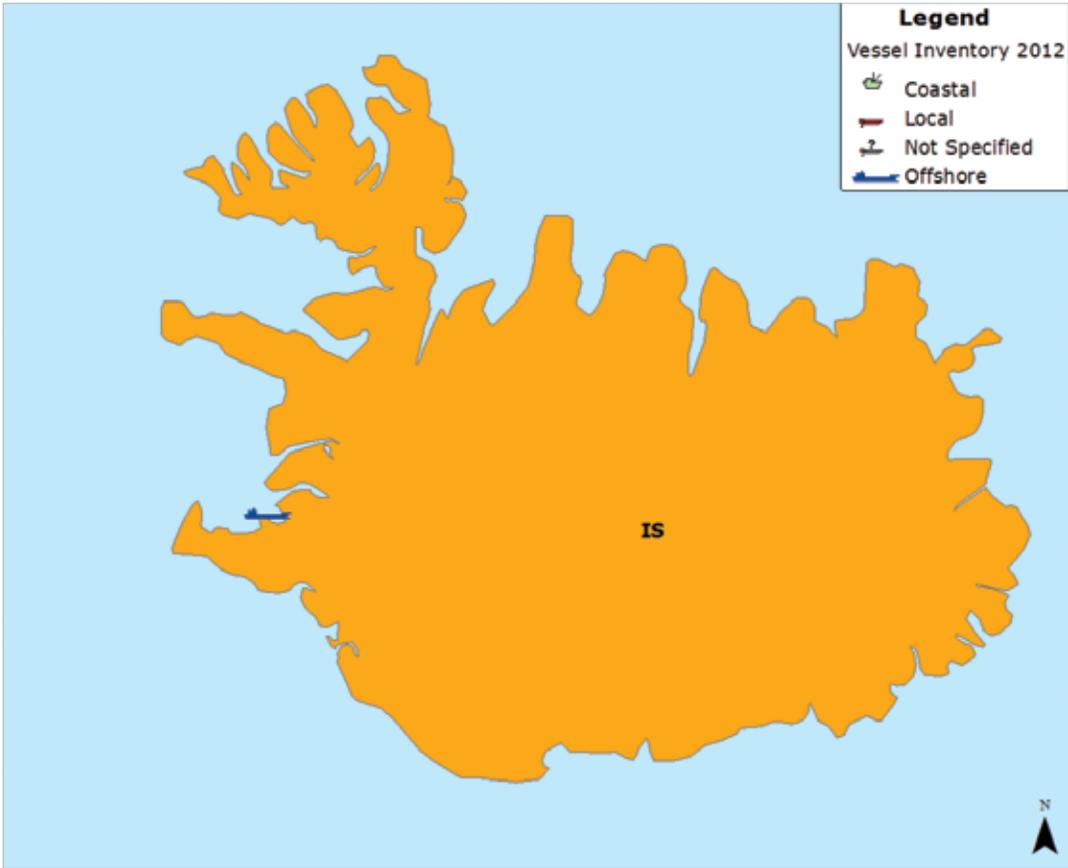
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
418	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6,0	TOTAL STORAGE CAPACITY (M ³)	50
LOCATION	DRAUGHT (M)	1.2 - 1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Thessaloniki	AVERAGE SPEED (KN)	9.5	ABSORBENT (booms, pillows, pads and rolls, wigs). Skimmer type DESMI DOP 160, Dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Portland		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
419	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M ³)	50
LOCATION	DRAUGHT (M)	1.2 - 1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Patras	AVERAGE SPEED (KN)	9.5	ABSORBENT (booms, pillows, pads and rolls, wigs). Skimmer type DESMI DOP 160, Dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Portland		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
420	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M ³)	50
LOCATION	DRAUGHT (M)	1.2-1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Piraeus	AVERAGE SPEED (KN)	9.5	ABSORBENT (booms, pillows, pads and rolls, wigs). Skimmer type DESMI DOP 160, Dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Portland		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
421	LOA (M)	19.0	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M³)	50
LOCATION	DRAUGHT (M)	1.2 – 1.7	HEATED STORAGE (M³)	No
	GT (TONNES)	58	ANTI-POLLUTION EQUIPMENT	
Syros	AVERAGE SPEED (KN)	9.5	ABSORBENT (booms, pillows, pads and rolls, wigs). Skimmer type DESMI DOP 160, Dispersant spray capability.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Portland		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
ASINI	LOA (M)	15.35	CRANE CAPABILITY (TONNES)	4.5
	BREADTH (M)	4.45	TOTAL STORAGE CAPACITY (M³)	40
LOCATION	DRAUGHT (M)	2.13	HEATED STORAGE (M³)	No
	GT (TONNES)	41.77	ANTI-POLLUTION EQUIPMENT	
Thessaloniki	AVERAGE SPEED (KN)	10	2000m fence type floating boom Skimmer type KOMARA 40 Absorbent (booms, pillows, pads and rolls, wigs) Container, Barrels Pressure washer type KARCHER HDS	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Elefsina		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
TASOS	LOA (M)	23.30	CRANE CAPABILITY (TONNES)	6.5
	BREADTH (M)	5.5	TOTAL STORAGE CAPACITY (M³)	80
LOCATION	DRAUGHT (M)	1.62	HEATED STORAGE (M³)	No
	GT (TONNES)	41.27	ANTI-POLLUTION EQUIPMENT	
Piraeus	AVERAGE SPEED (KN)	10	2000 m fence type floating boom Skimmer type KOMARA 40 Absorbent (booms, pillows, pads and rolls, wigs) Container, Barrels Pressure washer type KARCHER HDS	
OPERATIONS	AGE OF VESSEL	NA		
	SHIPYARD	Thessaloniki		
Offshore/Coastal	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - ICELAND



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:
Environment Agency of Iceland
LOCATION OF ICELANDIC OIL POLLUTION RESPONSE VESSELS 2012:
<ul style="list-style-type: none">• Reykjavik

**1. GOVERNMENT OWNED RESOURCES****1.1. Government Specialised Anti-Pollution Vessels**

National authorities do not own Specialised Anti-Pollution Vessels.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The Coast Guard Vessel Þór (Thor) c/x TFIA is equipped with 300 m boom, skimmers and heated on board tanks.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)**2.1. Private Vessels Available for Anti-Pollution Response**

–

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have been no major spills. However, small spills are not uncommon and several have occurred in remote areas.

4. REGIONAL AND BILATERAL AGREEMENTS

- Copenhagen Agreement

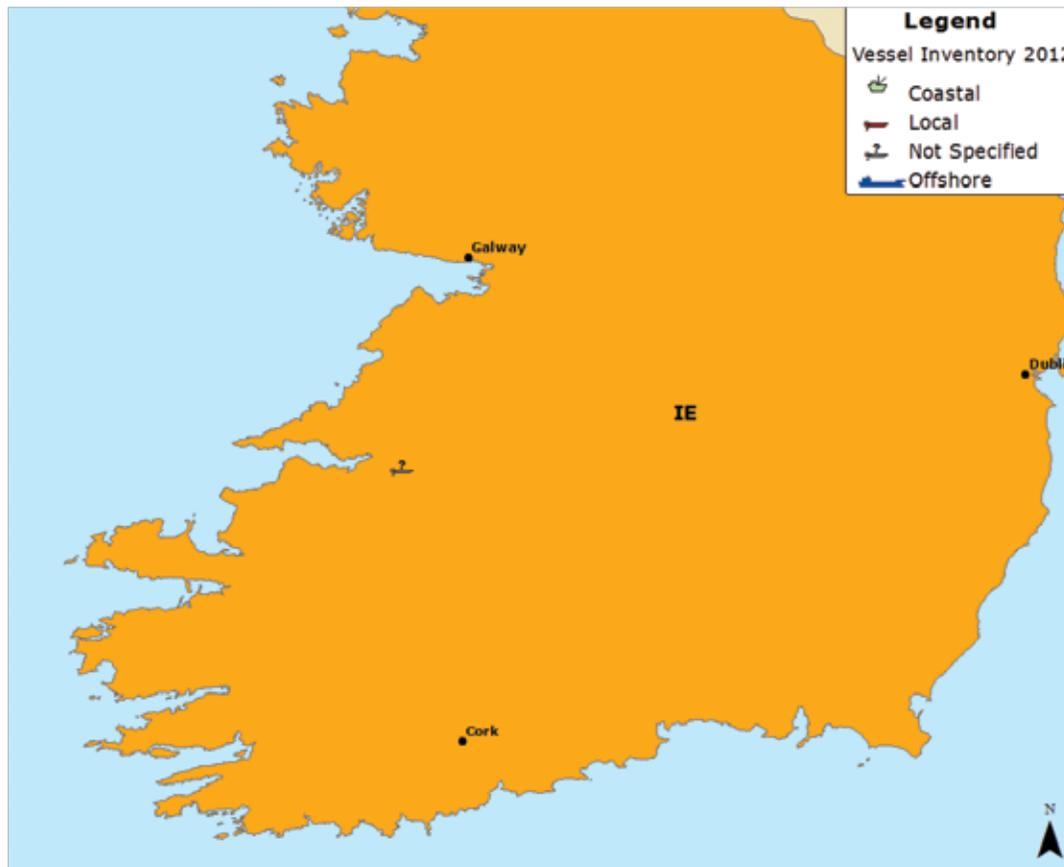
5. DRILL AND EXERCISES

- Copenhagen Agreement: In accordance with Copenhagen Agreement Manual
- North Atlantic Coast Guard Forum: Participation and observation as applicable
- Local exercises: Annual exercise using Environment Agency of Iceland local equipment

VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
Þór (Thor) c/x TFIA	LOA (M)	94	CRANE CAPABILITY (TONNES)	100
	BREADTH (M)	16	TOTAL STORAGE CAPACITY (M ³)	640
LOCATION	DRAUGHT (M)	5.8	HEATED STORAGE (M ³)	Yes
	GT (TONNES)	4,049	ANTI-POLLUTION EQUIPMENT	
Reykjavik	AVERAGE SPEED (KN)	12	300 m Norlense Offshore Oil Boom NO-800-R 1 Brush Skimmer Free Floating LFF400-4W.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Asmar, Chile		
Offshore	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - IRELAND



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Marine Rescue Coordination Centre
Irish Coast Guard
Department of Transport

LOCATION OF IRISH OIL POLLUTION RESPONSE VESSELS 2012:

- Foynes on the River Shannon West of Ireland



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Irish Coast Guard operates a fleet of semi-rigid and inflatable boats (rib) around the coast for patrol, transport and assistance to shore units. These may be available to assist in boom deployment. The IRCG and Shannon Foynes Port Company, in joint ownership, have taken delivery of a Cataglop XLD oil and waste recovery boat. This vessel is 9.90 m LOA and is capable of recovering 2,700 litres of oil to an inboard storage tank. It also can tow a 5 m³ storage flexible tank for further recovery capacity. However, this vessel is intended for calm/still water conditions e.g. small harbours/marinas. In the event of a sizeable spill occurring, Ireland would look to Bonn Agreement neighbours for assistance in recovery of oil on water, as the IRCG has no dedicated specialised oil pollution recovery capability. Ireland does not own or have under charter, any specialised anti-pollution vessels.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The IRCG has no emergency towing vessels. However, provision of an emergency towing capability is under consideration with national and international towing, and salvage companies and harbour authorities. IRCG oil response equipment stockpiles are located at Killybegs, Dublin and Castletownbere. The IRCG has in place pre-signed contracts with tug owners of vessels of greater than 50 t bollard pull.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Bantry Terminals Limited has a recovery vessel based in Bantry Bay. This is limited to recovery operations in near-shore waters.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

KOWLOON BRIDGE (1986), 1200 tonnes of bunker fuel.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement;
- A bilateral agreement exists with the United Kingdom covering the Irish Sea;
- Member of the European Community Task Force.

5. DRILL AND EXERCISES

-

VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	
	LOA (M)		CRANE CAPABILITY (TONNES)	
	BREADTH (M)		TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)		HEATED STORAGE (M ³)	
	GT (TONNES)		ANTI-POLLUTION EQUIPMENT	
Foynes on the River Shannon West of Ireland	AVERAGE SPEED (KN)			
OPERATIONS	AGE OF VESSEL			
	SHIPYARD			
	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - ITALY



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Ministero dell’Ambiente e della Tutela del Territorio e del Mare (Ministry for the Environment, Land and Sea)
 Direzione generale per la protezione della natura e del mare
 Divisione VII Difesa del mare dagli inquinamenti

LOCATION OF ITALIAN OIL POLLUTION RESPONSE VESSELS 2012:

<ul style="list-style-type: none"> • Otranto • Gaeta • Genova • Cagliari • Ancona • Messina/Lipari • Trapani • Trieste • Golfo Aranci • Livorno • Porto Torres • Arbatax • Porto Nogaro • Corigliano Calabro • Imperia 	<ul style="list-style-type: none"> • Oristano • Licata • Santa Tereasa di Gallura • Porto Santo Stefano • Chioggia • Termoli • Civitavecchia • Cetraro • Vibo Valentia • Piombino/Portoferraio • La Spezia • Monopoli 	<ul style="list-style-type: none"> • Termini Imerese • Crotone • Pozzallo/Lampedusa • Giulianova • Molfetta • Roccella Jonica • San’Agata di Militello • Salemo • Ravenna • Augusta • Sciacca • Savona
---	---	--



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

–

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Italian authorities charter anti-pollution vessels. There are 40 specialised response vessels available: 10 vessels are offshore supply vessels and 30 are coastal vessels. The offshore vessels can operate in open water/high seas; they are on stand by, and they are ready to sail within five hours from the call.

The Ministry of Environment agreed a contract with Castalia S.C.p.A., in 2011, which will expire on 13 March 2013, for the provision of at-sea oil pollution response services. As a consequence, there are presently 40 specialised response vessels located along Italy's 7,500 km of coastline, primarily in areas with a higher risk of accidents and within marine protected areas.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

03/12/2005- 31/12/2005 Golfo Di La Spezia. Grounding of M/V MARGARET

Recovered material; 31/12/2005: 301.5 m³ mixed oil, 630 m absorbent cloth of oily mixtures buffered, 0.7 m³ solid waste arising from the ship.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention
- RAMOGE
- Adriatic & Ionian Initiative
- Mixed agreement for the protection of the Adriatic Italy-Slovenia-Croatia-Montenegro
- Mediplan

5. DRILL AND EXERCISES

2005: 16 antipollution exercises

2006: 19 antipollution exercises

2007: 28 antipollution exercises

2008: 19 antipollution exercises



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ALCE NERO	LOA (M)	38.0	CRANE CAPABILITY (TONNES)	2 + 1
	BREADTH (M)	9	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	4.8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	299	ANTI-POLLUTION EQUIPMENT	
Otranto	AVERAGE SPEED (KN)	13	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	37		
	SHIPYARD	Ryton Marine Ltd. - Wallsend		
Offshore	IMO NR.	7324118		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
BINO	LOA (M)	38.7	CRANE CAPABILITY (TONNES)	2.9
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	200
LOCATION	DRAUGHT (M)	4.6	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	429	ANTI-POLLUTION EQUIPMENT	
Gaeta	AVERAGE SPEED (KN)	12.5	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	Cant. Nav. A. Giorgetti - Viareggio		
Offshore	IMO NR.	8226557		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
BONASSOLA	LOA (M)	58.95	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	13	TOTAL STORAGE CAPACITY (M ³)	734
LOCATION	DRAUGHT (M)	2,8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	1,064	ANTI-POLLUTION EQUIPMENT	
Genova	AVERAGE SPEED (KN)	10	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	36		
	SHIPYARD	Fa C Amels & Zoon Scheepswerf & Machinefabriek 'Welgelegen' - Makkum		
Offshore	IMO NR.	7396769		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
CORRADO NERI	LOA (M)	35,0	CRANE CAPABILITY (TONNES)	12.5
	BREADTH (M)	14.0	TOTAL STORAGE CAPACITY (M³)	146
LOCATION	DRAUGHT (M)	6.2	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	733	ANTI-POLLUTION EQUIPMENT	
Cagliari	AVERAGE SPEED (KN)	13	High sea Boom 200 m, Coastal Boom 10 0m, skimmer 200 m³/h.	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	Astilleros Gondan S.A. - Castropol		
Offshore	IMO NR.	9443748		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ESINO	LOA (M)	35.1	CRANE CAPABILITY (TONNES)	4.5
	BREADTH (M)	10.6	TOTAL STORAGE CAPACITY (M³)	110
LOCATION	DRAUGHT (M)	4.6	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	456	ANTI-POLLUTION EQUIPMENT	
Ancona	AVERAGE SPEED (KN)	12.5	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m³/h.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Union Naval Valencia SA (UNV) - Valencia		
Offshore	IMO NR.	9372781		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
IEVOLI RED	LOA (M)	36	CRANE CAPABILITY (TONNES)	4.9
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M³)	218.8
LOCATION	DRAUGHT (M)	4.2	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	466	ANTI-POLLUTION EQUIPMENT	
Messina/Lipari	AVERAGE SPEED (KN)	12.5	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m³/h.	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Cant. Nav. di Termoli S.R.L. - Termoli		
Offshore	IMO NR.	9249764		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SANTANGELO	LOA (M)	35.6	CRANE CAPABILITY (TONNES)	15
	BREADTH (M)	11.6	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	5.4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	461	ANTI-POLLUTION EQUIPMENT	
Trapani	AVERAGE SPEED (KN)	13	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Gemsan Gemi Insa ve Gemi Isletmeciligi San. Ltd. - Tuzla		
Offshore	IMO NR.	9343948		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SPICA	LOA (M)	54.5	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	12.0	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	5.0	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	498	ANTI-POLLUTION EQUIPMENT	
Trieste	AVERAGE SPEED (KN)	12	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Astilleros Armon S.A. - Navia		
Offshore	IMO NR.	9438951		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
TIRRENO	LOA (M)	35	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	11.6	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	4.8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	466	ANTI-POLLUTION EQUIPMENT	
Golfo Aranci	AVERAGE SPEED (KN)	13	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Sahin Celik Sanayi A.S. - Tuzla		
Offshore	IMO NR.	9359181		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
TITO	LOA (M)	62.82	CRANE CAPABILITY (TONNES)	8
	BREADTH (M)	13.0	TOTAL STORAGE CAPACITY (M ³)	218
LOCATION	DRAUGHT (M)	5.4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	1,154	ANTI-POLLUTION EQUIPMENT	
Livorno	AVERAGE SPEED (KN)	12	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	20		
	SHIPYARD	Ast. de Huelva S.A. - Huelva		
Offshore	IMO NR.	7711672		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ALCIDE	LOA (M)	34.94	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	142.5	ANTI-POLLUTION EQUIPMENT	
Porto Torres	AVERAGE SPEED (KN)	Not specified	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ARMONIA	LOA (M)	36.5	CRANE CAPABILITY (TONNES)	2.9+1
	BREADTH (M)	10.02	TOTAL STORAGE CAPACITY (M ³)	208.5
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	307	ANTI-POLLUTION EQUIPMENT	
Arbatax	AVERAGE SPEED (KN)	12	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Santierul Naval Galati S.A. - Galati		
Coastal	IMO NR.	8830176		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
BELUGA	LOA (M)	23.73	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	6.9	TOTAL STORAGE CAPACITY (M ³)	106.6
LOCATION	DRAUGHT (M)	2.6	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	108.,7	ANTI-POLLUTION EQUIPMENT	
Porto Nogaro	AVERAGE SPEED (KN)	12	High sea Boom 200 m, Coastal Boom 100 m, skimmer 150 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coatal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
CITTÀ DI RAVENNA	LOA (M)	32.1	CRANE CAPABILITY (TONNES)	3.2
	BREADTH (M)	9.2	TOTAL STORAGE CAPACITY (M ³)	74.4
LOCATION	DRAUGHT (M)	4.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	199.6	ANTI-POLLUTION EQUIPMENT	
Corigliano Calabro	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Cooperativa Metallurgica Ing. G. Tommasi - Ancona		
Coastal	IMO NR.	8120480		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
COMANDANTE UGO CASA	LOA (M)	20	CRANE CAPABILITY (TONNES)	0.4
	BREADTH (M)	5	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	45.81	ANTI-POLLUTION EQUIPMENT	
Imperia	AVERAGE SPEED (KN)	11	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	20		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
CRISTALLINA BUNKER	LOA (M)	28,61	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	97.6	ANTI-POLLUTION EQUIPMENT	
Oristano	AVERAGE SPEED (KN)	Not specified	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ECO AUGUSTA	LOA (M)	24	CRANE CAPABILITY (TONNES)	2
	BREADTH (M)	5.5	TOTAL STORAGE CAPACITY (M ³)	101
LOCATION	DRAUGHT (M)	2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	89	ANTI-POLLUTION EQUIPMENT	
Licata	AVERAGE SPEED (KN)	12.5	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ECO ELBA	LOA (M)	20.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.8	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	70.45	ANTI-POLLUTION EQUIPMENT	
Santa Tereasa di Gallura	AVERAGE SPEED (KN)	Not specified	Coastal Boom 100m, skimmer 80m ³ /h.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ECO GIGLIO	LOA (M)	20.7	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	30
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	70.45	ANTI-POLLUTION EQUIPMENT	
Porto Santo Stefano	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	*		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ECOLAGUNA 4 FZ	LOA (M)	35.8	CRANE CAPABILITY (TONNES)	6.9
	BREADTH (M)	9.5	TOTAL STORAGE CAPACITY (M ³)	530
LOCATION	DRAUGHT (M)	2.6	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	281	ANTI-POLLUTION EQUIPMENT	
Chioggia	AVERAGE SPEED (KN)	10	High sea Boom 200 m, Coastal Boom 100 m, skimmer 200 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
FORTITUDO	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	8.8	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	275	ANTI-POLLUTION EQUIPMENT	
Termoli	AVERAGE SPEED (KN)	Not specified	Coastal Boom 100m, skimmer 80m ³ /h.	
OPERATIONS	AGE OF VESSEL	24		
	SHIPYARD	Cooperativa Metallurgica Ing. G. Tommasi - Ancona		
Coastal	IMO NR.	8521256		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
IEVOLECO	LOA (M)	27	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	7	TOTAL STORAGE CAPACITY (M³)	60
LOCATION	DRAUGHT (M)	2.6	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	14.,2	ANTI-POLLUTION EQUIPMENT	
Civitavecchia	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	11		
	SHIPYARD	Cant. Nav. di Termoli S.R.L. - Termoli		
Coastal	IMO NR.	9248760		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
IEVOLECO QUARTO	LOA (M)	24.6	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	6.7	TOTAL STORAGE CAPACITY (M³)	86
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	137.9	ANTI-POLLUTION EQUIPMENT	
Cetraro	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Cant. Nav. di Termoli S.R.L. - Termoli		
Coastal	IMO NR.	9070412		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
IEVOLECO TERZO	LOA (M)	24.6	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	6.7	TOTAL STORAGE CAPACITY (M³)	86
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	137.9	ANTI-POLLUTION EQUIPMENT	
Vibo Valentia	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Cant. Nav. di Termoli S.R.L. - Termoli		
Coastal	IMO NR.	9070395		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
JERZY	LOA (M)	22.1	CRANE CAPABILITY (TONNES)	0.3
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	87.91	ANTI-POLLUTION EQUIPMENT	
Piombino/Portoferraio	AVERAGE SPEED (KN)	9.2	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	16		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
KORAL	LOA (M)	36.7	CRANE CAPABILITY (TONNES)	2.5
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M ³)	230
LOCATION	DRAUGHT (M)	5.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	481	ANTI-POLLUTION EQUIPMENT	
La Spezia	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	35		
	SHIPYARD	A.M. Liaaen AS - Aalesund		
Coastal	IMO NR.	7607089		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LAMU	LOA (M)	37.3	CRANE CAPABILITY (TONNES)	50 + 2.8
	BREADTH (M)	10.6	TOTAL STORAGE CAPACITY (M ³)	54
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	363	ANTI-POLLUTION EQUIPMENT	
Monopoli	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Vindholmen Offshore AS - Arendal		
Coastal	IMO NR.	8321125		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
LEONCILLO	LOA (M)	38	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.1	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	3.9	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	279	ANTI-POLLUTION EQUIPMENT	
Termini Imerese	AVERAGE SPEED (KN)	14	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	41		
	SHIPYARD	Scott & Sons (Bowling) 1969 Ltd. - Bowling		
Coastal	IMO NR.	6929882		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MARFIN QUARTO	LOA (M)	20.5	CRANE CAPABILITY (TONNES)	2
	BREADTH (M)	6.7	TOTAL STORAGE CAPACITY (M³)	32.4
LOCATION	DRAUGHT (M)	1.3	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	124	ANTI-POLLUTION EQUIPMENT	
Crotone	AVERAGE SPEED (KN)	8	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Cant. Nav. di Termoli S.R.L. - Termoli		
Coastal	IMO NR.	9070400		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
MELILLI	LOA (M)	27.62	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	7.3	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	3.4	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	149.17	ANTI-POLLUTION EQUIPMENT	
Pozzallo/Lampedusa	AVERAGE SPEED (KN)	Not specified	Coastal Boom 100 m, skimmer 80 m³/h.	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Cant. Nav. A. Giorgetti - Viareggio		
Coastal	IMO NR.	7907386		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MONTE ROSA	LOA (M)	30.54	CRANE CAPABILITY (TONNES)	3.2
	BREADTH (M)	7.3	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	2.9	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	173	ANTI-POLLUTION EQUIPMENT	
Giulianova	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	36		
	SHIPYARD	Promet Pte Ltd - Singapore		
Coastal	IMO NR.	7428744		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
PIEMONTE	LOA (M)	31.11	CRANE CAPABILITY (TONNES)	4
	BREADTH (M)	8.4	TOTAL STORAGE CAPACITY (M ³)	80
LOCATION	DRAUGHT (M)	3.9	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	228	ANTI-POLLUTION EQUIPMENT	
Molfetta	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	35		
	SHIPYARD	Campanella Cantieri Navali S.p.A. - Savona		
Coastal	IMO NR.	7427556		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
PUNTA IZZO	LOA (M)	20.12	CRANE CAPABILITY (TONNES)	1.35
	BREADTH (M)	4.8	TOTAL STORAGE CAPACITY (M ³)	25.26
LOCATION	DRAUGHT (M)	1.95	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	47	ANTI-POLLUTION EQUIPMENT	
Roccella Jonica	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
REC OIL IV	LOA (M)	20.9	CRANE CAPABILITY (TONNES)	1.1
	BREADTH (M)	4.9	TOTAL STORAGE CAPACITY (M ³)	96
LOCATION	DRAUGHT (M)	1.9	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	69	ANTI-POLLUTION EQUIPMENT	
San'Agata di Militello	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SAN GIACOMO	LOA (M)	45.5	CRANE CAPABILITY (TONNES)	2
	BREADTH (M)	8.1	TOTAL STORAGE CAPACITY (M ³)	528
LOCATION	DRAUGHT (M)	3.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	406	ANTI-POLLUTION EQUIPMENT	
Salemo	AVERAGE SPEED (KN)	10.2	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	43		
	SHIPYARD	Cant. Nav. Sgorbini - La Spezia		
Coastal	IMO NR.	6821793		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SECOMAR QUATTRO	LOA (M)	43.0	CRANE CAPABILITY (TONNES)	5
	BREADTH (M)	9.3	TOTAL STORAGE CAPACITY (M ³)	308.3
LOCATION	DRAUGHT (M)	2.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	377	ANTI-POLLUTION EQUIPMENT	
Ravenna	AVERAGE SPEED (KN)	11	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	24		
	SHIPYARD	Metalurgia e Construcaio Naval S.A. (CORENA) - Itajai		
Offshore	IMO NR.	8502975		

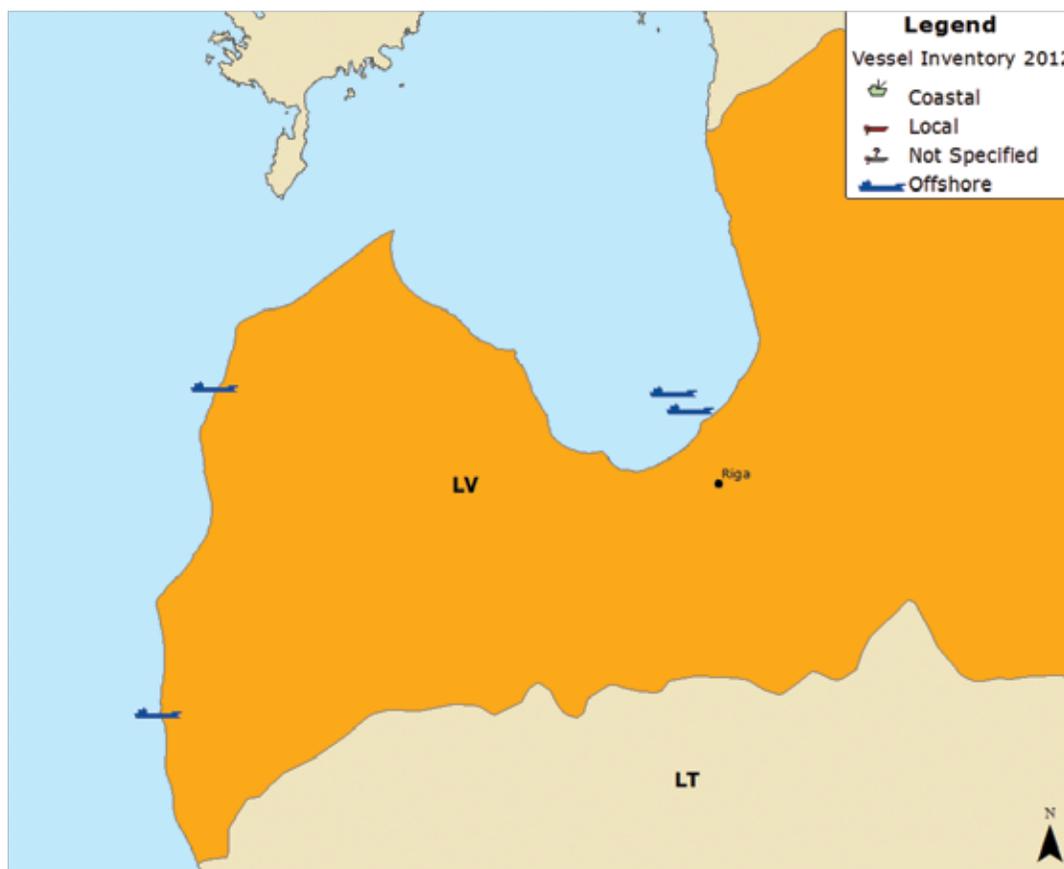


VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SUPERGABBIANO SEI	LOA (M)	21.7	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	5.2	TOTAL STORAGE CAPACITY (M ³)	40
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	57	ANTI-POLLUTION EQUIPMENT	
Augusta	AVERAGE SPEED (KN)	10	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
SUPERGABBIANO SETTE	LOA (M)	20.5	CRANE CAPABILITY (TONNES)	0.78
	BREADTH (M)	5	TOTAL STORAGE CAPACITY (M ³)	39.8
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	60	ANTI-POLLUTION EQUIPMENT	
Sciacca	AVERAGE SPEED (KN)	12	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
TAGIS	LOA (M)	23.98	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	61.33	ANTI-POLLUTION EQUIPMENT	
Savona	AVERAGE SPEED (KN)	12.5	Coastal Boom 100 m, skimmer 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - LATVIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Latvian Coast Guard Service
Maritime Rescue Coordination Centre (MRCC) Riga

LOCATION OF LATVIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Riga
- Ventspils
- Liepaja



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Latvian Coast Guard Service operates two seaworthy naval vessels and one non-propelled barge, each of them fitted with oil spill response equipment, such as brush type skimmer systems, open sea booms and submersible skimmers. An additional supply vessel is chartered by the Latvian Coast Guard Service from Ventspils Port Authority.

Four government specialized anti-pollution vessels are in operation:

- One seaworthy supply vessel equipped with two side collector sweeping arm systems, open sea booms and submersible skimmer for viscous oil.
- One seaworthy rescue vessel equipped with two side collector sweeping arm systems.
- One seaworthy supply vessel equipped with open sea booms and a submersible skimmer.
- One non-propelled steel barge equipped with one side collector sweeping arm system, open sea booms and a submersible skimmer.

1.2 Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The total oil spill response equipment of the Latvian Coast Guard Service consists of 2200 m of open sea boom, 120 m of

coastal boom, 500 m of harbour boom, 5,400 m of absorbent boom, 6,000 kg of absorbent granules, 4 brush type skimmer systems for a vessel of opportunity, 3 submersible skimmers, 9 high capacity oil/water transfer pumps, 8 floating oil bags with total capacity of 110 m³, 1 dispersant spray system with 2,000 litres of dispersant concentrate, 1 steam generator, 1 oil trawl system. As an assisting vessel in a response operation any vessel of the Latvian Naval Flotilla and State Border Guard can be used. These include search and rescue vessels, patrol vessels, boarder guard vessels and minesweeping vessels.

The total government owned oil spill response equipment consists of:

- 2,800 m of open sea boom (Ro-boom 1500 and AP3001)
- 100 m of coastal boom (Ro-boom 800)
- 500 m of harbour boom (Hedro 500)
- 5,000 m of absorbent boom (Sancosorb)
- 6,000 kg of absorbent granules (Absol, Zugol)
- 4 side collector brush type sweeping arm systems (Lamor OPC-4) for a vessel of opportunity
- 4 submersible skimmers (Desmi Terminator)
- 9 high capacity oil/water transfer pumps (Marflex, Honda)
- 8 floating oil bags (Ro-tank) with total capacity of 110 m³
- 1 dispersant spray system with 2000 litres of dispersant concentrate (Slickgone NS type 2/3)
- 1 high capacity steam generator (Steamrator)

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

Vessels operated or chartered by the Latvian Port Authorities or private companies.

No agreements in place.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have been no major oil spills in Latvian waters.

4. REGIONAL AND BILATERAL AGREEMENTS

- Helsinki Convention
- No bilateral agreements in place

5. DRILL AND EXERCISES

Annual drills (table-top and at sea) and training for personnel (Alfa, Bravo and Charlie) is carried out by the Latvian Coast Guard Service.

Latvian vessels participate at the annual Baltic Sea international exercise BALEX DELTA.



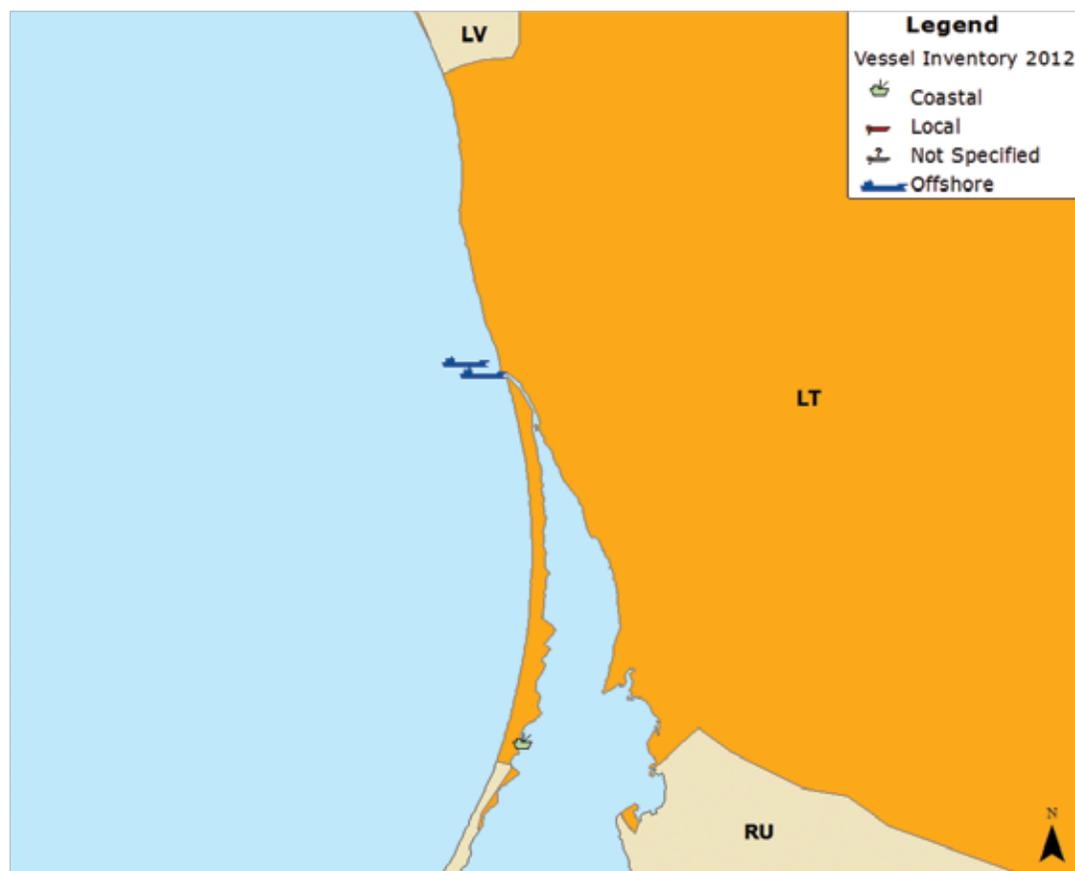
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
A-90 VARONIS	LOA (M)	59.5	CRANE CAPABILITY (TONNES)	4
	BREADTH (M)	11.12	TOTAL STORAGE CAPACITY (M ³)	170
LOCATION	DRAUGHT (M)	3.69	HEATED STORAGE (M ³)	No
	GT (TONNES)	1,037	ANTI-POLLUTION EQUIPMENT	
Riga	AVERAGE SPEED (KN)	10	Open sea boom Ro-boom 1500 (800 m); 1 floating submersible DESMI Terminator skimmer system with a DOP screw pump (100 m ³ /h) and Desmi belt cassette for viscous oil; 2 over the side Lamor brush type skimmer systems OPC-4 with a Marflex pump (80 m ³ /h) and two flexible sweeping arms; 70 m ³ stationary tank/100 m ³ floating tanks (2x50 m ³).	
OPERATIONS	AGE OF VESSEL	38		
	SHIPYARD	Bolnes BV		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Search and Rescue Vessel	CRANE	Yes
KA-14 ASTRA	LOA (M)	22.8	CRANE CAPABILITY (TONNES)	0.7
	BREADTH (M)	6.0	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	45	ANTI-POLLUTION EQUIPMENT	
Ventspils	AVERAGE SPEED (KN)	20	2 over the side Lamor brush type skimmer systems OPC-4 with a Marflex pump (80 m ³ /h) and two flexible sweeping arms; 2 Lamor oil packing units with 300 sealable polyethylene bags (0.68 m ³ / each).	
OPERATIONS	AGE OF VESSEL	15		
	SHIPYARD	Uudenkaupungin Oy		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Non propelled barge	CRANE	Yes
SEA BARGE JL-1	LOA (M)	19.85	CRANE CAPABILITY (TONNES)	3.9
	BREADTH (M)	5.7	TOTAL STORAGE CAPACITY (M ³)	100
LOCATION	DRAUGHT (M)	1.3	HEATED STORAGE (M ³)	No
	GT (TONNES)	40	ANTI-POLLUTION EQUIPMENT	
Liepaja	AVERAGE SPEED (KN)	Not specified	Open sea boom Ro-boom 1500 (800 m); 1 over the side Lamor brush type skimmer system OPC-4 with a Marflex pump (80 m ³ /h) and one flexible sweeping arm; 1 floating submersible DESMI Terminator skimmer system with a DOP screw pump (100 m ³ /h) and remote control.	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Lamor Oy		
Offshore/Coastal/Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
RK-12 VALPAS	LOA (M)	49	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	8.6	TOTAL STORAGE CAPACITY (M ³)	13
LOCATION	DRAUGHT (M)	4.3	HEATED STORAGE (M ³)	No
	GT (TONNES)	61	ANTI-POLLUTION EQUIPMENT	
Riga	AVERAGE SPEED (KN)	10	Open sea boom AP3001 (600 m); 1 floating submersible DESMI Terminator skimmer system with a DOP-200 screw pump (60 m ³ /h) and disc/brush skimmer cassette.	
OPERATIONS	AGE OF VESSEL	40		
	SHIPYARD	Kotka		
Offshore/Coastal/Local	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - LITHUANIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Maritime rescue coordination centre of the Lithuanian Navy

LOCATION OF LITHUANIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Klaipeda
- Nida



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Lithuanian Government owns two specialised anti-pollution vessels. The Navy of the Lithuanian Armed Forces operates the multipurpose vessel SAKIAI, which is suitable for at sea operation with storage capacity 228 m³.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

In addition, a number of booms and skimmers are stationed in the Klaipeda State Seaport area. The Lithuanian Coast Guard operates M/V MADELEINE which is suitable for operation in shallow waters. Power stations LAMOR 4 x 50 kw, Terminator skimmers x 3, RO-BOOM 1500 booms 4 x 200 m, Skimmer RO-SKIM 1500, Dispersant spray system, Power stations 2 x 10 kw and other equipment are stored in the Lithuanian Navy warehouse.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

There are no private resources in Lithuania, except at the Butinge offshore oil terminal, where there is some oil response equipment, located on board terminal-serving tugs, for local needs. The Butinge terminal vessel SOLL

TENGIZ is suitable for at-sea operation, with storage capacity 100 m³. Fire Fighting equipment:

- 2 x Skum 1,400 m³/hr at 13 bar;
- 2 x Skum 1,200 m³/hr water/floam/fog monitors, remote controlled;
- Hose flushing facility on deck;
- Bollard pull - 60 tonnes.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

Vessel spills:

- GLOBE ASSIMI (1981), Klaipeda port, 16,493 tonnes of fuel oil.

Oil transfers:

- On 23 November 2001, due to extreme weather conditions, the breaking of the underwater oil filler pipe during the oil transfusion in Butinge Oil Terminal caused a 59 tonne oil spill into the sea. Each year, inside the Klaipeda port area and near the quays small pollution occurs.

Terminal spills:

- On 6 December 1999 the first oil spillage took place in the Butinge terminal. Approximately 4 tonnes of oil were spilled.
- On 6 March 2001 there was a similar accident and about 3.5 tonnes of oil were spilled.
- On 31 January 2008 around 7.6 tonnes of oil were spilled.

4. REGIONAL AND BILATERAL AGREEMENTS

- Helsinki Convention
- ORPC Convention - International Convention on Oil Pollution Preparedness, Response and Cooperation
- Intergovernmental agreement between the Governments of the Russian Federation and the Republic of Lithuania on joint actions of preventing pollution of the Baltic Sea with oil and other hazardous materials.

5. DRILL AND EXERCISES

2009

- International oil spill response exercise BALEX DELTA 2009 in the Latvian waters. Participants: oil-pollution-combating vessels and observers from HELCOM countries and from EMSA.
- National oil spill response exercise. Participants: MRCC and vessel „Šakiai“ of the LT NAVY, Butinge oil terminal forces, tugboats: „Smit Sulawesi“ and „Tak-3“.

2010

- National exercise oil spill response exercise. Participants: MRCC and vessel „Šakiai“ of the LT NAVY, helicopter, Butinge oil terminal forces, tugboats: „Smit Sulawesi“ and „Tak-3“.
- LIT NAVY fleet oil spill response exercise. Participants: MRCC of the LT NAVY, LT NAVY vessels: „Šakiai“ ir PL „Aukštaitis“ (P14).



- International (Regional) SAR and oil spill response exercise "RU-POL-LIT SAREX 2010" in the south-eastern Baltic sea part. Participating vessels and MRCC staffs from Russian, Lithuanian, Poland countries.
- International oil spill response exercise BALEX DELTA 2010 in the Lithuanian territorial waters. Participants: oil-pollution-combating vessels and observers from HELCOM countries and from EMSA.

2011

- National oil spill response and SAR exercise. Participants: MRCC and vessel „Šakiai“ of the Lithuanian NAVY, Butinge oil terminal forces, tugboats: „Soll Tengiz“ and „Tak-3“.
- International (Regional) oil spill response exercise "RU-POL-LIT ZATOKA-2011". Participants: MRCC staff from Russian, Lithuanian, Poland countries.
- International oil spill response exercise BALEX DELTA 2011 in the Denmark territorial waters. Participants: oil-pollution-combating vessels and observers from HELCOM countries and from EMSA.

The Lithuanian Navy has been responsible for coordinating and conducting oil contingency operations from 1 January 2009.

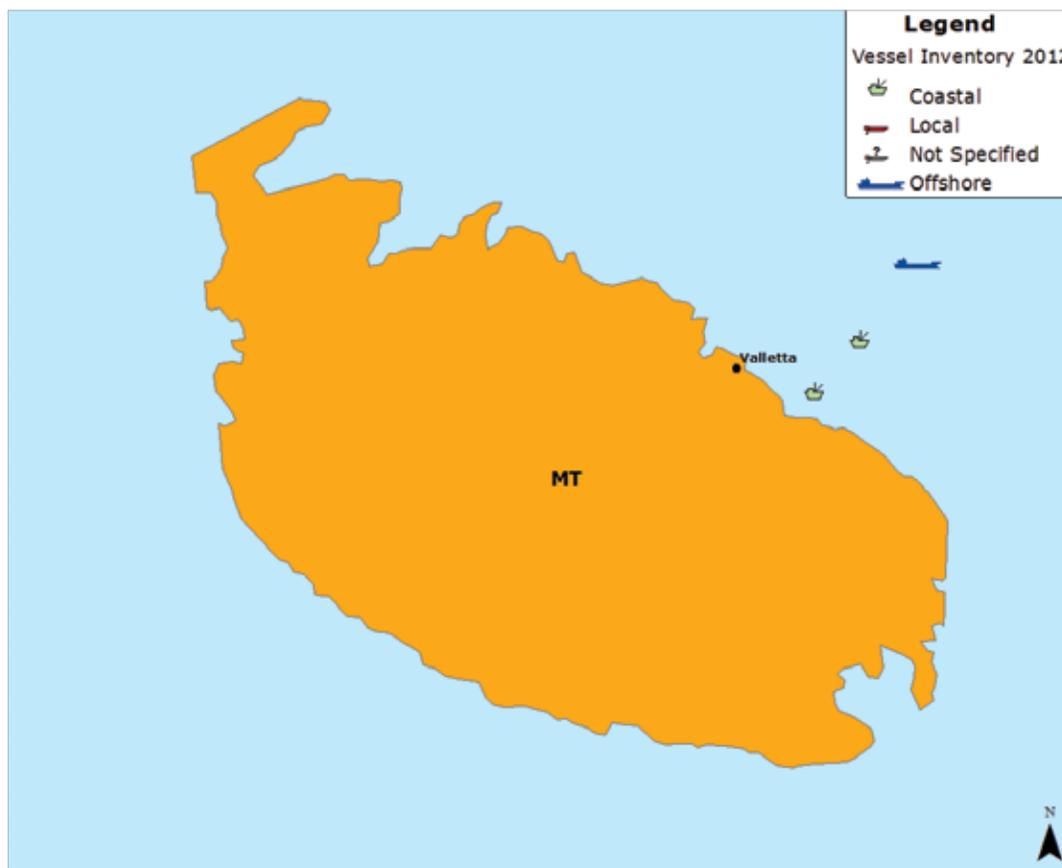




VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
SAKIAI	LOA (M)	56.4	CRANE CAPABILITY (TONNES)	3 / max 7 m; 1.8 / max 12 m 3.1 / 1.8 m; 0.8 / 6.9 m
	BREADTH (M)	105	TOTAL STORAGE CAPACITY (M ³)	228
LOCATION	DRAUGHT (M)	4.65	HEATED STORAGE (M ³)	No
	GT (TONNES)	1,350	ANTI-POLLUTION EQUIPMENT	
Klaipeda	AVERAGE SPEED (KN)	9.5	Equipment on board: 2 Lamor Free Floating Brush Skimmer; 1 Terminator Skimmer; Ro-Boom 2000, 2 x 250 m; Pumps: Framo TK-5 x 2; Framo TK-8.	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Jaroslavlis shipyard		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
MADELEINE	LOA (M)	22.5	CRANE CAPABILITY (TONNES)	1 / 6 m 9 / 2 m
	BREADTH (M)	5.4	TOTAL STORAGE CAPACITY (M ³)	25 m ³
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	74	ANTI-POLLUTION EQUIPMENT	
Port of Nida /Port of Klaipeda	AVERAGE SPEED (KN)	9	Equipment on board: Disk skimmer Vikoma Komara 12 m ³ ; 25 bags with capacity 1 m ³ each.	
OPERATIONS	AGE OF VESSEL	39		
	SHIPYARD	Karsltad Varv		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
SOLL TENGIZ	LOA (M)	48.0	CRANE CAPABILITY (TONNES)	2 / 16 m 4 / 8 m
	BREADTH (M)	13.0	TOTAL STORAGE CAPACITY (M ³)	100 m ³
LOCATION	DRAUGHT (M)	4.83	HEATED STORAGE (M ³)	No
	GT (TONNES)	896	ANTI-POLLUTION EQUIPMENT	
Klaipeda port/ Butinge terminal by SPM buoy.	AVERAGE SPEED (KN)	13.5	Equipment on board: Ro Boom 1500 - 250 m; Lamor Brush Skimmer Free Floating LFF 100 2C 100 m ³ /h; Dispersant spray system.	
OPERATIONS	AGE OF VESSEL	9		
	SHIPYARD	Yantai-Raffles		
Offshore	IMO NR.	9269300		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - MALTA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Pollution and Incident Response Unit
Ports and Yachting Directorate
Authority for Transport in Malta (Transport Malta)
Malta Transport Centre

LOCATION OF MALTESE OIL POLLUTION RESPONSE VESSELS 2012:

- Valletta



1. GOVERNMENT OWNED RESOURCES

1.1. *Government Specialised Anti-Pollution Vessels*

–

1.2. *Government Non-Specialised Vessels and Equipment for Anti-Pollution Response*

The Authority for Transport in Malta has a stockpile of equipment consisting mainly of 1,150 m Vikoma Offshore Booms, Vikoma AquaWeir Skimmer with a capacity of 250 m³ and two submersible pumps with a capacity of 80 m³ and 120 m³ respectively.

This stockpile is located at the Port of Valletta, to be easily loaded on board private vessels if the need arises.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. *Private Vessels Available for Anti-Pollution Response*

To date, there are no contracts or agreements in place.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have not been any significant oil spills in Maltese waters.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention

5. DRILL AND EXERCISES

A large scale national exercise in collaboration with EMSA is held annually (MALTEX).



VESSEL			EQUIPMENT	
NAME	CLASS	SeaTruck	CRANE	No
MONKA	LOA (M)	11.23	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	3.18	TOTAL STORAGE CAPACITY (M ³)	180 (Flexible Storage Tanks 6 tanks-30 each)
LOCATION	DRAUGHT (M)	0.9	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Valetta	AVERAGE SPEED (KN)	28	Dispersant spraying units, high pressure hot water pumps, heavy oil skimmers, screw pumps with skimming heads, site booms, protection booms, skimmers, absorbent materials.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	No
PUPILLA	LOA (M)	19.70	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	5.0	TOTAL STORAGE CAPACITY (M ³)	180 (Flexible Storage Tanks 6 tanks-30 each)
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Valetta	AVERAGE SPEED (KN)	10.0	Boom Reel – 150 m.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	Yes
SEA SALVOR	LOA (M)	29.95	CRANE CAPABILITY (TONNES)	2.5
	BREADTH (M)	10.20	TOTAL STORAGE CAPACITY (M ³)	11.2
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	No
	GT (TONNES)	323	ANTI-POLLUTION EQUIPMENT	
Valetta	AVERAGE SPEED (KN)	12.5	Clear Spray 50 dispersant system, with a capacity 50 l/min at 1.0 bar. 200 m of Inflatable Vikoma Sentinel 1100 boom Hydraulic pump type skimmer head, hydraulic power pump and spate pump.	
OPERATIONS	AGE OF VESSEL	13		
	SHIPYARD	Not specified		
Coastal/Offshore	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - NETHERLANDS



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Ministry for Infrastructure and Environment

LOCATION OF DUTCH OIL POLLUTION RESPONSE VESSELS 2012:

- Scheveningen
- Vlissingen
- Rotterdam
- Den Helder
- Breskens
- Harlingen, Wadden Sea
- Dordrecht
- Terschelling



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

All skimmers on board the vessels are of the sweeping arm type (inner pontoon carrying the pump; bridge part; outer pontoon) 12 to 15 m length.

- FRANS NAEREBOUT, TERSCHELLING and ROTTERDAM are recovery-assisting vessels that normally handle booms or current buster. All vessels can be fitted with sweeping arm and one or two tank containers.
- IEVOLI BLACK is primarily an emergency towing vessel. It also can be fitted with a sweeping arm.

The Netherlands relies heavily on recovery vessels to combat oil spills at sea and has a relatively large fleet at its disposal. Five vessels are owned by the government and form what is referred to as the first line of defence. They were designed specifically for oil spill response but can also be used for other purposes (e.g. survey ships and buoy tendering). The ARCA is a tanker class oil recovery vessel that means she is allowed to recover oil with a flash point below 61°C. Vessels forming the second line of defence

are mainly hopper dredger vessels that have been slightly modified to accommodate oil recovery equipment. They can be mobilised directly when permanently equipped and the others are ready within six hours; this is mainly because they have to return to port to load the required oil recovery equipment.

The Netherlands maintains a significant fleet with large recovered oil storage capacity, many of which have sweeping arm oil recovery systems.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

All TSHDs and the IEVOLI BLACK (ETV) are privately owned and contracted on a 3-5 year basis by RWS Noordzee.

3. PREVIOUS EXPERIENCE ON OIL POLLUTION RESPONSE

There have been no major oil spills.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement
- DenGerNeth Tripartite Agreement
- Quadrapartite Plan
- Member of the European Community Task Force

5. DRILL AND EXERCISES

All contracted vessels are trained and exercised twice per year.



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ARCA	LOA (M)	83.0	CRANE CAPABILITY (TONNES)	7 + 6
	BREADTH (M)	12.8	TOTAL STORAGE CAPACITY (M ³)	1,018
LOCATION	DRAUGHT (M)	5.5	HEATED STORAGE (M ³)	1,018
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Scheveningen	AVERAGE SPEED (KN)	14	2 skimmers, 2 x 100 m boom RO-boom 2000, Current Buster, SeadarQ oil detection and monitoring.	
OPERATIONS	AGE OF VESSEL	1998		
	SHIPYARD	Damen NL		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
FRANS NEARBOUT	LOA (M)	44.4	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	10.25	TOTAL STORAGE CAPACITY (M ³)	30
LOCATION	DRAUGHT (M)	3.1	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Vlissingen	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm, power pack and tank container. Current Buster. Boom handling.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
TERSCHELLING	LOA (M)	44.4	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	10.25	TOTAL STORAGE CAPACITY (M ³)	30
LOCATION	DRAUGHT (M)	3.1	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Terschelling	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm, power pack and tank container. Current Buster. Boom handling.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
ROTTERDAM	LOA (M)	44.4	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	10.25	TOTAL STORAGE CAPACITY (M³)	30
LOCATION	DRAUGHT (M)	3.1	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm, power pack and tank container. Current Buster, Boom handling.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
HEIN	LOA (M)	113.01	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	18.47	TOTAL STORAGE CAPACITY (M³)	3,653
LOCATION	DRAUGHT (M)	8	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	1 sweeping arm. 2nd sweeping arm can be mounted.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
RIJNDELTA	LOA (M)	112.9	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	18,1	TOTAL STORAGE CAPACITY (M³)	3,599
LOCATION	DRAUGHT (M)	7.2	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	2 sweeping arms.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		

INVENTORY OF EU MEMBER STATES OIL POLLUTION RESPONSE VESSELS 2012

Netherlands



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel - ETV Pollution Response	CRANE	Yes
IEVOLI BLACK	LOA (M)	70.0	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	15.50	TOTAL STORAGE CAPACITY (M ³)	600
LOCATION	DRAUGHT (M)	5.1	HEATED STORAGE (M ³)	No
	GT (TONNES)	2,018	ANTI-POLLUTION EQUIPMENT	
Den Helder	AVERAGE SPEED (KN)	15	Can be equipped with 1 sweeping arm, power pack and tank container, Current Buster, Boom handling 1 skimmer.	
OPERATIONS	AGE OF VESSEL	2009		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
CRESTWAY	LOA (M)	97.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	23.0	TOTAL STORAGE CAPACITY (M ³)	5,600
LOCATION	DRAUGHT (M)	6.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
MELLINA	LOA (M)	95.0	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	20.0	TOTAL STORAGE CAPACITY (M ³)	3,000
LOCATION	DRAUGHT (M)	6.0	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Dutch Coast	AVERAGE SPEED (KN)	Not specified	1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
RIO	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M³)	2,430
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Breskens	AVERAGE SPEED (KN)	Not specified	1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
INTER-BALLAST- 1	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M³)	2,500
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Breskens	AVERAGE SPEED (KN)	Not specified	1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
ZEEZAND EXPRESS	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M³)	600
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Harlingen Wadden Sea	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
WADDEN SEA	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
WATERWAY	LOA (M)	97.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	23.0	TOTAL STORAGE CAPACITY (M ³)	4,906
LOCATION	DRAUGHT (M)	6.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
SHOREWAY	LOA (M)	112.8	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	19.6	TOTAL STORAGE CAPACITY (M ³)	5,600
LOCATION	DRAUGHT (M)	7.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
COASTWAY	LOA (M)	97.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	23	TOTAL STORAGE CAPACITY (M ³)	4,906
LOCATION	DRAUGHT (M)	6.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Rotterdam	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
ELBE	LOA (M)	79.8	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	15.2	TOTAL STORAGE CAPACITY (M³)	2,500
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	No
	GT (TONNES)	2,358	ANTI-POLLUTION EQUIPMENT	
Dordrecht	AVERAGE SPEED (KN)	13	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	2010		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
AMAZONE	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	2,680
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Dordrecht	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
ALBATROS	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	1,240
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Dordrecht	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		

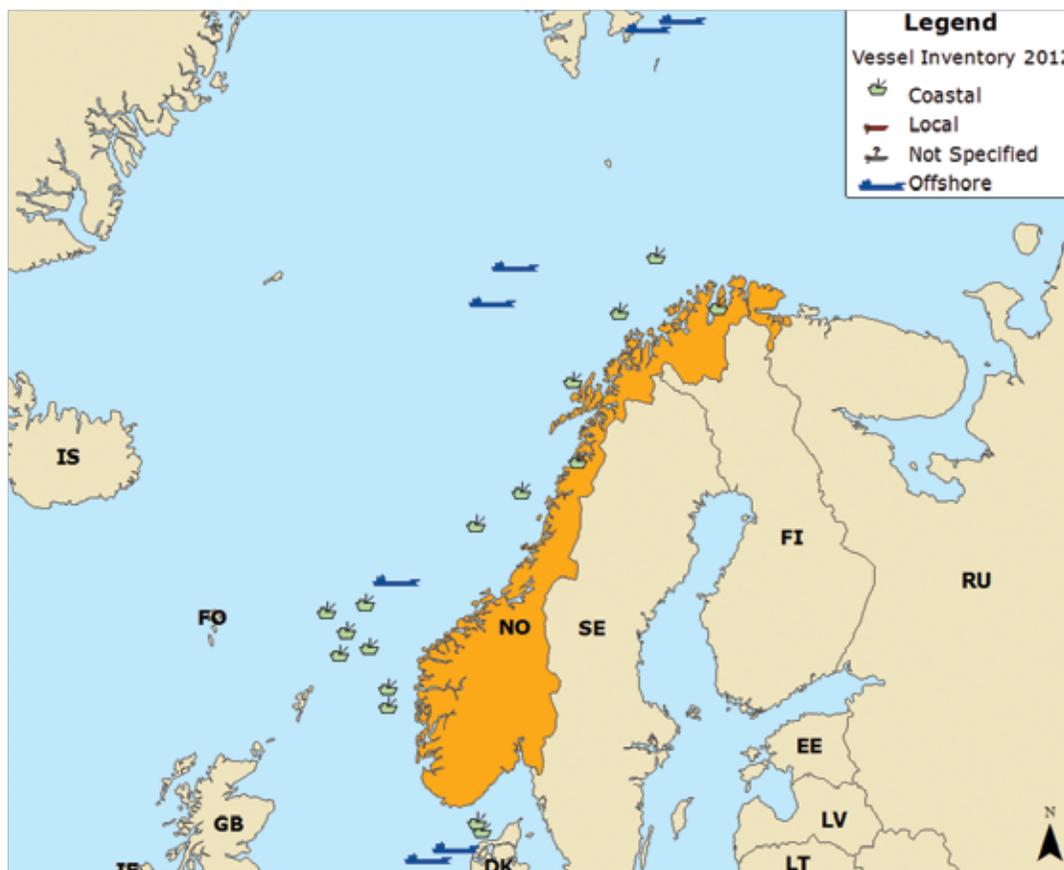


VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Not specified
ADELAAR	LOA (M)	Not specified	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	600
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Dordrecht	AVERAGE SPEED (KN)	Not specified	Can be equipped with 1 sweeping arm.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - NORWAY



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Norwegian Coastal Administration (Kystverket) Department for Emergency Response

LOCATION OF NORWEGIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Norland
- Troms
- Finnmark
- Svalbard
- Norwegian Coastline
- Norwegian Sea
- North Sea



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Norwegian Government, through the Ministry of Fisheries and the Norwegian Coastal Administration (NCA), own or operate oil spill response vessels in coordination with local authorities and the Royal Norwegian Coast Guard (NOCG). In addition the Norwegian preparedness system is based on the use of vessels of opportunity to be chartered for use during actual spill response operations. The vessels of opportunity will be chartered from the substantial fleet of offshore supply vessels, fishing vessels, tugs and ferries or indeed any vessel deemed suitable for oil spill response operations. Several annual exercises take place in which these vessels are chartered to take part.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

The oil spill response equipment for the vessel of opportunity system is stored in NCA equipment depots along the coast. In total, NCA has approx. 43,000 metres of oil booms (heavy, medium and lightweight), approx. 120 oil skimmers, hydraulic power packs, storage tanks, beach-cleaning equipment, etc stored at all the depots. The 16 main depots are located at: Horten, Kristiansand, Stavanger, Bergen, Fedje, Florø, Solund, Ålesund, Ørlandet,

Sandnessjøen, Bodø, Lødingen, Tromsø, Hammerfest, Vadsø and Longyearbyen. At each of these depots there are typically between 800 and 1,000 metres of heavy weight (offshore) oil booms (e.g. NOFI 800S and NO80), between 800 and 1,000 metres of medium weight (coastal) oil booms (e.g. Expandi 4300 and HS600) and a varied collection of skimmers and storage tanks. This equipment is all designed and suitable for at sea response operations. In addition to the main depots there are 9 secondary (intermediate) depots at which NCA owned equipment is stored at the local inter-municipal contingency region. This equipment includes medium weight oil booms (300 – 600 metres) and 1-2 oil skimmers.

In addition, the NCA operates one surveillance aircraft equipped with FLIR, SLAR and IR/UV, and utilises satellite surveillance in selected areas.

The Norwegian municipalities have their own requirement to store and maintain equipment suitable for typical oil spill scenarios within the municipality. In order to achieve a more cost-effective solution to purchasing expensive equipment, and to ensure the upkeep of a desired level of proficiency the municipalities are organised into 33 inter-municipal contingency regions (IUA). The oil spill response equipment available to the IUAs and municipalities is generally smaller, medium and lightweight booms, smaller oil skimmers, beach-cleaning equipment, etc.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

According to the Norwegian Pollution Control Act, private parties involved in activities that may result in oil spills must be prepared to respond and recover lost oil. A further aspect of the Norwegian spill preparedness law is that private companies are required to work together in their preparation and response to pollution incidents. In order to meet this cooperation requirement for their exploration and production operations, the Norwegian oil companies joined in 1978 to create an association now called the Norwegian Clean Seas Association for Operating Companies (NOFO). NOFO is a relatively small organisation with access to a great amount of equipment and manpower. A special pool of large supply vessels, operating between the coast and the offshore areas, provides the necessary vessels. Since July 2001, NOFO's area of responsibility has been widened from the seas around the offshore oil fields to the coastal waters and even to onshore response.

As a result of this overall system, there is no need for, and there are no, private contractors operating specialised oil spill response equipment in Norway. However, once spilled oil comes ashore, private companies/contractors may be called in to augment the inter-community equipment resources.



NOFO has created a pool of vessels available for pollution response. It is important to note is that these vessels are not dedicated to oil spill response, but carry out regular tasks (supply, etc.) for the operator on a daily basis. If an incident should occur, the NOFO members have committed themselves, without further negotiation, to make these vessels available to NOFO, even if the vessel in question is scheduled for other tasks. Vessels currently in the NOFO pool (May 2008) are as follows:

The vessels STRIL POSEIDON, HAVILLA TROLL, HAVILLA RUNDE AND STRILMØY carry NOFO pollution response equipment on board. In the Barents Sea, the equipment and vessels will be changed based on the activity in the area. All NOFO vessels participate in annual exercises in order to maintain their NOFO contingency role. For further details about NOFOs resources, see <http://www.nofa.no/>

The private resources available in Norway belong to the approx. 80 private companies that have received contingency requirements from the authorities. The number includes the offshore operating companies, refineries and oil terminals. The offshore operating companies own the Norwegian Clean Seas Association for Operating Companies.

The oil refineries at Slagentangen in the Oslofjord (Exxon Mobil), and Mongstad north of Bergen (StatoilHydro), and the oil terminal at Sture north of Bergen (StatoilHydro) all have oil spill response equipment and vessels suitable for

near shore response operations. In addition they have a limited amount of dispersants.

At some of the offshore oil production installations, dispersants and oil recovery equipment are available as at-field (first line) response resources and are stored on-board rescue vessels, etc. at the oil fields.

NOFO maintains an inventory of equipment which is designated for offshore use. In total, NOFO has 14 offshore recovery systems, each consisting of 400 m heavy weight (offshore) booms and one TransRec 350 oil skimmer. The TransRec skimmer can work with either a weir or a HiWax skimmer head. This equipment is stored at 5 depots located in Stavanger, Mongstad, Kristiansund, Træna and Hammerfest. To mobilise the equipment on vessels, NOFO maintains a list of dedicated vessels that may be called upon for oil spill response operations, all built according to the OilRec classification and the NOFO standard (regarding recovered oil capacities and equipment connections). In total, some 20-30 vessels are currently available in the NOFO pool. Furthermore, NOFO maintains dispersant preparedness via a location in mid-Norway (Haltenbanken).

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- BRAVO (1977) 32,200 tonnes crude oil
- ROCKNES (2004) 450 tonnes heavy crude oil
- STATFORD A (2007) 4,000 tonnes crude oil
- FULL CITY (2009) 800 tonnes heavy bunker fuel oil

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement
- Norbrit Plan
- Copenhagen Agreement
- Bilateral agreement with the Russian Federation for the Barents Sea

5. DRILL AND EXERCISES

The responsibility for oil spill response is divided in three: the private sector, the municipalities and the governmental response.

The private sector can be divided into offshore industry and land based industry included tank facilities.

In the regulations and permits it is stated that they should have drills and exercises. The offshore oil industry has an extensive drill/exercise plan.

NOFO is an important tool to assist the oil companies with this issue, please see <http://www.nofa.no/>

For the municipalities it is stated in their contingency plan that they should have an annual exercise and training.

The Norwegian Coastal Administration has an extensive exercise plan.



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
OLJEVERN 01 (NCA)	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	1.010 / 18.9 m
	BREADTH (M)	6.81	TOTAL STORAGE CAPACITY (M³)	90
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M³)	90
	GT (TONNES)	233	ANTI-POLLUTION EQUIPMENT	
West Norway	AVERAGE SPEED (KN)	9	304 m Expandi 4300, Foftail VAB 4-9, Bandskimmer (at depot).	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	Trønderverftet AS		
Coastal	IMO NR.	7712949		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
OLJEVERN 02 (NCA)	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	1.010 / 18.9m
	BREADTH (M)	6.81	TOTAL STORAGE CAPACITY (M³)	90
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M³)	90
	GT (TONNES)	233	ANTI-POLLUTION EQUIPMENT	
Nordland	AVERAGE SPEED (KN)	9	304 m Expandi 4300, Foftail VAB 4-9, Bandskimmer (at depot).	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Sandnessjøen Slip & Mv AS		
Coastal	IMO NR.	7728479		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
OLJEVERN 03 (NCA)	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	0.540 / 18.8 m
	BREADTH (M)	6.81	TOTAL STORAGE CAPACITY (M³)	90
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M³)	90
	GT (TONNES)	233	ANTI-POLLUTION EQUIPMENT	
South-East Norway	AVERAGE SPEED (KN)	9	304 m Expandi 4300, Foftail VAB 4-9, Bandskimmer (at depot).	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Sandnessjøen Slip & Mv AS		
Coastal	IMO NR.	7728481		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
OLJEVERN 04 (NCA)	LOA (M)	32.5	CRANE CAPABILITY (TONNES)	1.010 / 18.9m
	BREADTH (M)	6.81	TOTAL STORAGE CAPACITY (M ³)	90
LOCATION	DRAUGHT (M)	2.3	HEATED STORAGE (M ³)	90
	GT (TONNES)	233	ANTI-POLLUTION EQUIPMENT	
Troms and Finnmark	AVERAGE SPEED (KN)	9	304 m Expandi 4300, Foxtail VAB 4-9, Bandskimmer (at depot).	
OPERATIONS	AGE OF VESSEL	33		
	SHIPYARD	Sandnessjøen Slip & Mv AS		
Coastal	IMO NR.	7728493		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV ÅLESUND (NOCG)	LOA (M)	63	CRANE CAPABILITY (TONNES)	3.5
	BREADTH (M)	11.5	TOTAL STORAGE CAPACITY (M ³)	765
LOCATION	DRAUGHT (M)	6.2	HEATED STORAGE (M ³)	765
	GT (TONNES)	1357	ANTI-POLLUTION EQUIPMENT	
North Sea , (South)	AVERAGE SPEED (KN)	12	300 m NO 800R, TransRec 125 (High Visk skimmer head), Foxtail VAB 4-9, Emergency offloading pump TK150.	
OPERATIONS	AGE OF VESSEL	15		
	SHIPYARD	Myklebust		
Offshore	IMO NR.	9139763		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV HARSTAD (NOCG)	LOA (M)	83	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	15.5	TOTAL STORAGE CAPACITY (M ³)	1116
LOCATION	DRAUGHT (M)	6	HEATED STORAGE (M ³)	1116
	GT (TONNES)	3132	ANTI-POLLUTION EQUIPMENT	
The Norwegian Sea	AVERAGE SPEED (KN)	18	300 m NO 800R, TransRec 125 (High Visk Skimmer head), Foxtail VAB 4-9, 152 m Expandi 4300, Emergency offloading pump TK150, Oil detection radar.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Søviknes Verft AS		
Offshore	IMO NR.	9312107		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV BARENTSHAV (NOCG)	LOA (M)	93	CRANE CAPABILITY (TONNES)	3,5 / 17m; 8 / 6m
	BREADTH (M)	17	TOTAL STORAGE CAPACITY (M³)	1,075
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1,075
	GT (TONNES)	4025	ANTI-POLLUTION EQUIPMENT	
The Norwegian Sea (North)	AVERAGE SPEED (KN)	15	300 m NO 800R, NorMar 200 (multi skimmer; Weir, disc, brush), Foxtail VAB 4-9, 304 m Expandi 4300.	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	MMV		
Offshore	IMO NR.	9389356		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV BERGEN (NOCG)	LOA (M)	93	CRANE CAPABILITY (TONNES)	3,5 / 17m; 8 / 6m
	BREADTH (M)	17	TOTAL STORAGE CAPACITY (M³)	1,075
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1,075
	GT (TONNES)	4025	ANTI-POLLUTION EQUIPMENT	
The North Sea (South)	AVERAGE SPEED (KN)	15	300 m NO 800R, NorMar 200 (multi skimmer; Weir, disc, brush), Foxtail VAB 4-9, 304 m Expandi 4300.	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	Kleven		
Offshore	IMO NR.	9389368		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV SORTLAND (NOCG)	LOA (M)	93	CRANE CAPABILITY (TONNES)	3,5 - 17m; 8 - 6m
	BREADTH (M)	17	TOTAL STORAGE CAPACITY (M³)	1075
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1075
	GT (TONNES)	4025	ANTI-POLLUTION EQUIPMENT	
The Norwegian Sea (North)	AVERAGE SPEED (KN)	15	300 m NO 800R, NorMar 200 (multi skimmer;Weir, disc, brush) Foxtail VAB 4-9, 304 m Expandi 4300.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Kleven		
Offshore	IMO NR.	9432646		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV SVALBARD (NOCG)	LOA (M)	103.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	19.1	TOTAL STORAGE CAPACITY (M ³)	50 (Oil bags)
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	6375	ANTI-POLLUTION EQUIPMENT	
North Norway/ Svalbard	AVERAGE SPEED (KN)	17	304 m Expandi 4300, 2 x 25 m ³ Oil bags, Foxtail VAB 2-6, Hyd. Agg. 19. kW (HPU for foxtail).	
OPERATIONS	AGE OF VESSEL	9		
	SHIPYARD	Langsten slip & båtbyggeri AS		
Offshore	IMO NR.	8640387		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV NORNEN (NOCG)	LOA (M)	47	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	10.3	TOTAL STORAGE CAPACITY (M ³)	155
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	155
	GT (TONNES)	761	ANTI-POLLUTION EQUIPMENT	
South Norway	AVERAGE SPEED (KN)	12	200 m NO450 S Oil Boom, Foxtail VAB 4-9.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Gryfia		
Coastal	IMO NR.	9353321		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV TOR (NOCG)	LOA (M)	47	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	10.3	TOTAL STORAGE CAPACITY (M ³)	155
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	155
	GT (TONNES)	761	ANTI-POLLUTION EQUIPMENT	
West Norway	AVERAGE SPEED (KN)	12	200 m NO450 S Oil Boom, Foxtail VAB 4-9.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Gryfia		
Coastal	IMO NR.	9353357		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV NJORD (NOCG)	LOA (M)	47	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	10.3	TOTAL STORAGE CAPACITY (M ³)	155
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	155
	GT (TONNES)	761	ANTI-POLLUTION EQUIPMENT	
Mid North Norway	AVERAGE SPEED (KN)	12	200 m NO450 S Oil Boom, Foxtail VAB 4-9.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Gryfia		
Coastal	IMO NR.	9353357		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV HEIMDAL (NOCG)	LOA (M)	47	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	10.3	TOTAL STORAGE CAPACITY (M ³)	155
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	155
	GT (TONNES)	761	ANTI-POLLUTION EQUIPMENT	
North Norway	AVERAGE SPEED (KN)	12	200 m NO450 S Oil Boom, Foxtail VAB 4-9.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Gryfia		
Coastal	IMO NR.	9353345		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
KV FARM (NOCG)	LOA (M)	47	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	10.3	TOTAL STORAGE CAPACITY (M ³)	155
LOCATION	DRAUGHT (M)	5	HEATED STORAGE (M ³)	155
	GT (TONNES)	761	ANTI-POLLUTION EQUIPMENT	
North Norway	AVERAGE SPEED (KN)	12	200 m NO450 S Oil Boom, Foxtail VAB 4-9.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Gryfia		
Coastal	IMO NR.	9353333		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
NORD-SYSSEL (NCA)	LOA (M)	71.6	CRANE CAPABILITY (TONNES)	12
	BREADTH (M)	12.8	TOTAL STORAGE CAPACITY (M ³)	200
LOCATION	DRAUGHT (M)	4.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	1753	ANTI-POLLUTION EQUIPMENT	
Svalbard	AVERAGE SPEED (KN)	15	300 m NO35 Oil Boom, Foxtail VAB 4-9 Power Pack for foxtail, (only in operation during summer months).	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	Valmetin Laivateollisuus, Turku		
Offshore	IMO NR.	8118994		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
VESTFJORD (NCA)	LOA (M)	31	CRANE CAPABILITY (TONNES)	1.000 / 24 m
	BREADTH (M)	8	TOTAL STORAGE CAPACITY (M ³)	150
LOCATION	DRAUGHT (M)	3.9	HEATED STORAGE (M ³)	150 (with heating coils)
	GT (TONNES)	267	ANTI-POLLUTION EQUIPMENT	
North Norway	AVERAGE SPEED (KN)	10.5	Equipment transferred on board if OV vessel is outside area, or when needed at oil spills accidents.	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Vaagland Båtbyggeri AS		
Coastal	IMO NR.	8417651		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
VILLA (NCA)	LOA (M)	42	CRANE CAPABILITY (TONNES)	12 (Derrick)
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	554	ANTI-POLLUTION EQUIPMENT	
West Norway	AVERAGE SPEED (KN)	11.5	Equipment transferred on board if OV vessel is outside area, or when needed at oil spills accidents.	
OPERATIONS	AGE OF VESSEL	36		
	SHIPYARD	Simek AS		
Coastal	IMO NR.	7382641		



VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
LINDESNES (NCA)	LOA (M)	20	CRANE CAPABILITY (TONNES)	0.5 / 20 m
	BREADTH (M)	9	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	141	ANTI-POLLUTION EQUIPMENT	
West Norway	AVERAGE SPEED (KN)	18	Equipment can be fitted on board.	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	Båtservice Mandal		
Coastal	IMO NR.	9570618		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Yes
BLÅNA (NCA)	LOA (M)	24	CRANE CAPABILITY (TONNES)	0.45 – 17 m
	BREADTH (M)	6.8	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	105	ANTI-POLLUTION EQUIPMENT	
Mid Norway	AVERAGE SPEED (KN)	9	Equipment can be fitted on board.	
OPERATIONS	AGE OF VESSEL	38		
	SHIPYARD	Volda Mekaniske		
Coastal	IMO NR.	7321532		
VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	No
HEKKINGEN (NCA)	LOA (M)	42	CRANE CAPABILITY (TONNES)	12.0 (Derrick)
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	4	HEATED STORAGE (M ³)	
	GT (TONNES)	526	ANTI-POLLUTION EQUIPMENT	
Mid Norway	AVERAGE SPEED (KN)	11.5	Equipment can be fitted on board.	
OPERATIONS	AGE OF VESSEL	37		
	SHIPYARD	Simek AS		
Coastal	IMO NR.	7382627		

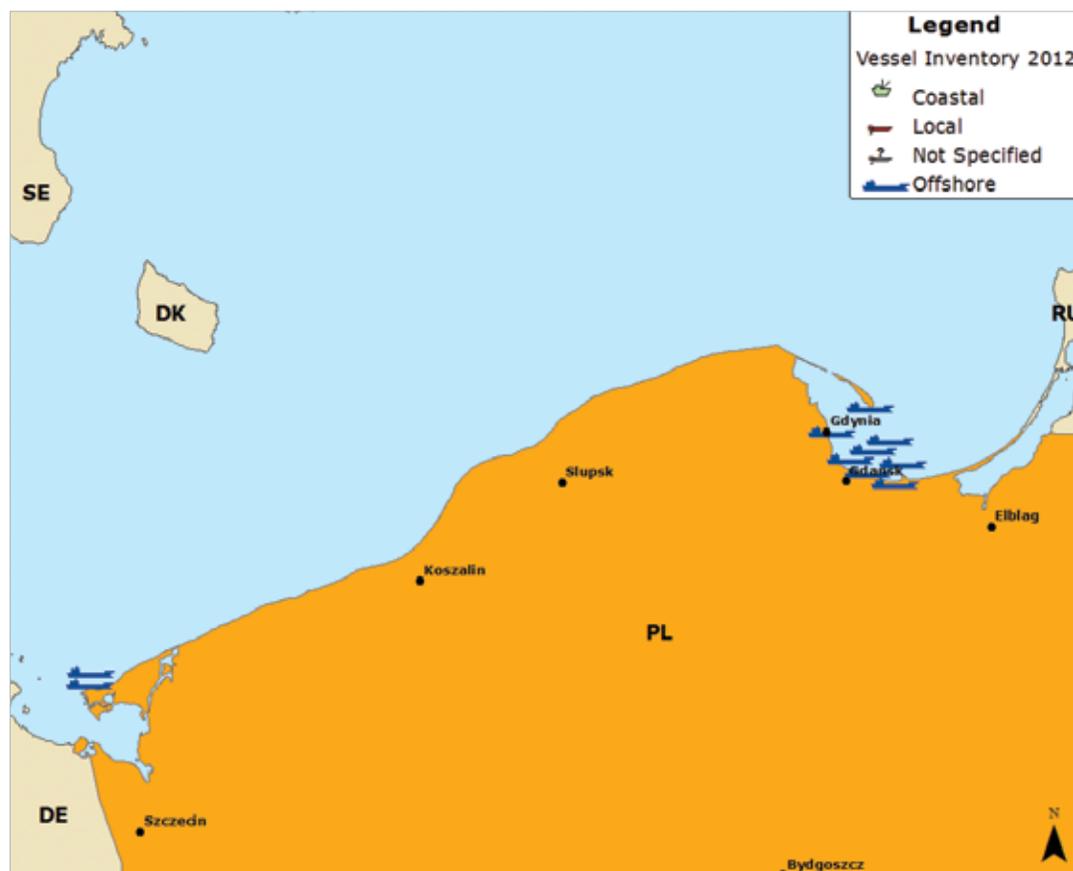


VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	
ONA (NCA)	LOA (M)	37	CRANE CAPABILITY (TONNES)	
	BREADTH (M)	8	TOTAL STORAGE CAPACITY (M ³)	
LOCATION	DRAUGHT (M)	3.6	HEATED STORAGE (M ³)	
	GT (TONNES)	351	ANTI-POLLUTION EQUIPMENT	
West Norway	AVERAGE SPEED (KN)	10.5	Equipment can be fitted on board.	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	Vaagland Båtbyggeri AS		
Coastal	IMO NR.	8417663		
VESSEL			EQUIPMENT	
NAME	CLASS	26	CRANE	Yes
TRÆNEN (NCA)	LOA (M)	7	CRANE CAPABILITY (TONNES)	2.8 – 7 m
	BREADTH (M)	3.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	187	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	10	ANTI-POLLUTION EQUIPMENT	
Mid\North Norway	AVERAGE SPEED (KN)	34	Equipment can be fitted on board.	
OPERATIONS	AGE OF VESSEL	Simek AS		
	SHIPYARD	7607106		
Coastal	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - POLAND



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Ministry of Infrastructure
Shipping Safety Department

LOCATION OF POLISH OIL POLLUTION RESPONSE VESSELS 2012:

- Gdynia
- Gdansk
- Swinoujscie
- Hel



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

–

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

There are different types of specialised antipollution equipment in Poland, including: approximately 7,000 m of different types of booms; 15 skimmer units; 7 different types of specially designed trawling nets for heavy oils; 1 Mini Vac System; small spraying equipment; storage facilities as portable and floating tanks; cargo transfer pumps and auxiliary equipment for heavy oil pumping as steam rings and water flanges.

At present, there are two investment projects aimed at upgrading the oil pollution response capacity in Poland:

1. A long term project for the development of national resources approved by the Polish government in 2000. This project includes:
 - the building of a new base in Swinoujscie. The new oil spill response equipment was made available in the first quarter of 2009;
 - the building of two rescue vessels mainly designed for SAR missions, but also to be used for oil pollution response.

The new oil spill response base has been in operation from 1 January 2010. The equipment mentioned in the beginning of this paragraph is stored and deployed from the base and includes also a new washing station for the oiled equipment. Two rescue vessels could be used as the vessels of opportunity are in operation since 2011.

2. A short term project for the purchase of new equipment including: 900 m of booms, 3 skimmers, trawling nets and a number of temporary storage tanks, with two floating tanks of 50 m³ each.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

The Oil and Gas Exploration and Production Co. Ltd. is the only firm in Poland performing exploration and production of crude oil in the Baltic Sea.

“Petrobaltic Co., Ltd” has sufficient equipment including oil booms (1,000 m), small capacity skimmers and technical support in order to provide additional support in the event of an accident. “Petrobaltic” also has five vessels (SANTA BARBARA, GRANIT, BAZALT, APHRODITE and KAMBR) located in Gdansk.

As the largest oil terminal in Poland the Oil Terminal located in the northern port in Gdansk, “NAFTOPORT”, has its own response system based on cooperation with commercial rescue units as Harbour Fire Brigade “FLORIAN” Ltd, and Maritime Fire and Rescue Brigade. Both units own equipment including: 4,500 m of different types of booms, two high capacity skimmers, cargo transfer pumps and five fire fighting vessels. A number of small harbour tugboats are also available.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have been no major spills in Polish waters.

4. REGIONAL AND BILATERAL AGREEMENTS

- Helsinki Convention
- Bilateral agreement with Russia
- Bilateral agreement with Germany

5. DRILL AND EXERCISES

Government specialised anti-pollution vessels take part regularly in international oil spill exercises like the HELCOM BALEX DELTA Exercise. They also take part in exercises organised once per year to fulfil the bilateral agreements with Germany and Russia.

INVENTORY OF EU MEMBER STATES OIL POLLUTION RESPONSE VESSELS 2012

Poland



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
KAPITAN POINC	LOA (M)	53.40	CRANE CAPABILITY (TONNES)	12
	BREADTH (M)	13.60	TOTAL STORAGE CAPACITY (M ³)	512
LOCATION	DRAUGHT (M)	4.6	HEATED STORAGE (M ³)	244
	GT (TONNES)	1,347	ANTI-POLLUTION EQUIPMENT	
Gdynia	AVERAGE SPEED (KN)	10	Two sweeping arms, Brush system Lamor max 2 x 140 m ³ /h, free floating Terminator skimmer 100 m ³ /h with disc and belt adaptor for heavy oils, Ro-BOOM 1500 oil boom (600 m), Expandi 4300 oil boom (90 m), Sea Eye ROV.	
OPERATIONS	AGE OF VESSEL	15		
	SHIPYARD	Damen		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil Recovery vessel	CRANE	Yes
ZODIAC	LOA (M)	61.30	CRANE CAPABILITY (TONNES)	7
	BREADTH (M)	10.83	TOTAL STORAGE CAPACITY (M ³)	72
LOCATION	DRAUGHT (M)	3.2	HEATED STORAGE (M ³)	No
	GT (TONNES)	751	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	11	Two sweeping arms, Brush system Lamor max 2 x 80 m ³ /h.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Northern Shipyard - Gdansk		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil Recovery vessel	CRANE	Yes
CZESLAW II	LOA (M)	21.99	CRANE CAPABILITY (TONNES)	0.3
	BREADTH (M)	6.01	TOTAL STORAGE CAPACITY (M ³)	20
LOCATION	DRAUGHT (M)	2.36	HEATED STORAGE (M ³)	No
	GT (TONNES)	102	ANTI-POLLUTION EQUIPMENT	
Swinoujscie	AVERAGE SPEED (KN)	7	Two sweeping arms, Brush system Lamor max 2 x 20 m ³ /h, Komara 12k skimmer 12 m ³ /h, Vicospray 1000 dispersion system, Expandi 4300 oil boom (340 m).	
OPERATIONS	AGE OF VESSEL	23		
	SHIPYARD	Ustka Shipyard		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Search and Rescue Vessel	CRANE	Yes
ORKAN	LOA (M)	36.9	CRANE CAPABILITY (TONNES)	1.3
	BREADTH (M)	8.1	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2.52	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	276	ANTI-POLLUTION EQUIPMENT	
Hel	AVERAGE SPEED (KN)	24	Possibility of assistance and towage of the oil spill preventing booms.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Naval Shipyard Gdynia		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Search and Rescue Vessel	CRANE	Yes
PASAT	LOA (M)	36.9	CRANE CAPABILITY (TONNES)	1.3
	BREADTH (M)	8.1	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2.52	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	276	ANTI-POLLUTION EQUIPMENT	
Swinoujscie	AVERAGE SPEED (KN)	24	Possibility of assistance and towage of the oil spill preventing booms.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Naval Shipyard Gdynia		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Research Vessel	CRANE	Yes
SANTA BARBARA	LOA (M)	78.6	CRANE CAPABILITY (TONNES)	20
	BREADTH (M)	13.7	TOTAL STORAGE CAPACITY (M ³)	60
LOCATION	DRAUGHT (M)	5.012	HEATED STORAGE (M ³)	No
	GT (TONNES)	2,324	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	11	NOB: 1. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 500 m 2. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 250 m 3. RO-Disc Skimmer 40P – 2 pcs 4. Oil spill storage tanks – 2 x 30 m ³	
OPERATIONS	AGE OF VESSEL	34		
	SHIPYARD	Cochrane Shipbuilders Seelby		
Offshore	IMO NR.	7406021		



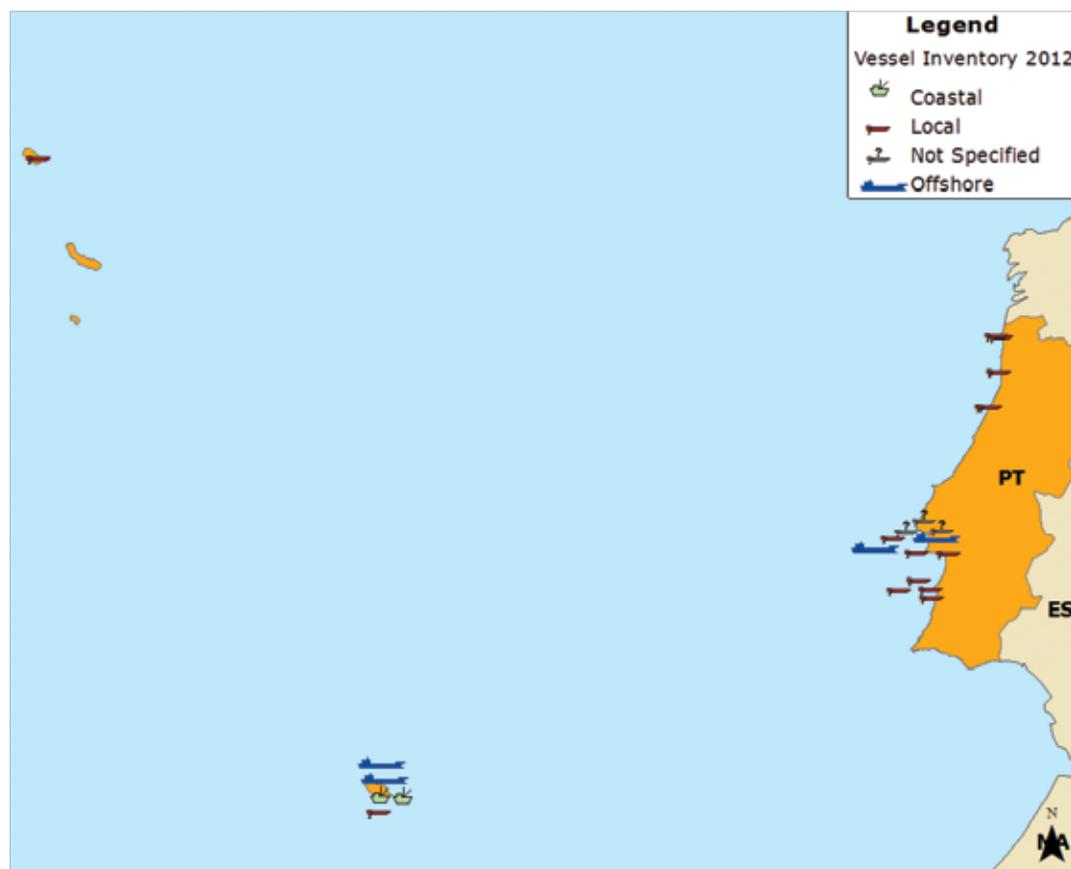
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel - ETV Pollution Response	CRANE	Yes
GRANIT	LOA (M)	64.54	CRANE CAPABILITY (TONNES)	4
	BREADTH (M)	13.81	TOTAL STORAGE CAPACITY (M ³)	60
LOCATION	DRAUGHT (M)	5.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	1313	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	16	NOB: 1. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 500 m 2. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 250 m 3. RO-Disc Skimmer 40P – 2 pcs 4. Oil spill storage tanks – 2 x 30 m ³ .	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Szczecin Shipyard		
Offshore	IMO NR.	7911260		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel - ETV Pollution Response	CRANE	Yes
BAZALT	LOA (M)	64.54	CRANE CAPABILITY (TONNES)	4
	BREADTH (M)	13.81	TOTAL STORAGE CAPACITY (M ³)	60
LOCATION	DRAUGHT (M)	5.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	1,313	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	16.1	NOB: 1. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 500 m 2. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 250 m 3. RO-Disc Skimmer 40P – 2 pcs 4. Oil spill storage tanks – 2 x 30 m ³ .	
OPERATIONS	AGE OF VESSEL	51		
	SHIPYARD	Szczecin Shipyard		
Offshore	IMO NR.	7911260		
VESSEL			EQUIPMENT	
NAME	CLASS	Search and Rescue Vessel	CRANE	Yes
APHRODITE	LOA (M)	33	CRANE CAPABILITY (TONNES)	0.7
	BREADTH (M)	6.7	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	205	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	13	Possibility of assistance and towage of the oil spill preventing booms.	
OPERATIONS	AGE OF VESSEL	20		
	SHIPYARD	Voornit B.V. Zaandam		
Offshore	IMO NR.	5353426		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel - ETV Pollution Response	CRANE	Yes
KAMBR	LOA (M)	36	CRANE CAPABILITY (TONNES)	2
	BREADTH (M)	9	TOTAL STORAGE CAPACITY (M ³)	60
LOCATION	DRAUGHT (M)	3.25	HEATED STORAGE (M ³)	No
	GT (TONNES)	299	ANTI-POLLUTION EQUIPMENT	
Gdansk	AVERAGE SPEED (KN)	10.5	NOB: 1. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 500 m, 2. Oil spill preventing boom with power pack and airblower – RO-Boom Desmi 1500 – length 250 m, 3. RO-Disc Skimmer 40P, 4. 2 x Oil spill storage tanks – 2 x 30 m ³ .	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Guangzhon Panyu Lingshau		
Offshore	IMO NR.	9348223		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - PORTUGAL



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Direcção de Combate à Poluição do Mar (DCPM) - Direcção-Geral da Autoridade Marítima (DGAM)

LOCATION OF PORTUGUESE OIL POLLUTION RESPONSE VESSELS 2012:

- Lisboa
- Sétubal
- Leixões
- Aveiro
- Viana do Castelo
- Sines
- Madeira
- Açores



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The Port Authority and Navy own vessels used for oil spill response in sheltered coastal areas. Stockpiles are located in all ports. The Navy has stockpiles located at Tróia, Leixões, Lisbon, Setúbal, Faro, Ponta Delgada and Funchal.

The Navy also owns equipment for anti-pollution response, including: a mobile operation centre (1); ocean booms (2,500 m); estuary booms (4,800 m); various pumps (49); absorbent products (3,500 m); portable tanks (35); various skimmers (45); detection, protection, cutting and cleaning equipment (20); transport and handling means (36); repair container (1).

The Portuguese Navy are planning the construction of two marine patrol vessels which can act as anti-pollution vessels

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

-

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

There are no known private contractors for at sea response in Portugal. Nevertheless, private oil terminals and oil handling facilities own limited equipment to respond to small spills.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- JACOB MAERSK (1975), 88,000 tonnes
- ARAGON (1989), 25,000 tonnes of Mexican crude oil
- MARAO (1989), 5,000 tonnes crude oil
- CERCAL (1994), 3,000 tonnes of light crude

4. REGIONAL AND BILATERAL AGREEMENTS

- Lisbon Agreement (the agreement is not yet in force)
- Member of the European Community Task Force

5. DRILL AND EXERCISES

2 drills and 1 exercise / year.

Drills – GALEOTA 2010, CONCHA 2009 and regional exercises organized by Maritime Departments.

Exercises – FOZ 2011, ESPADARTE 2009, MERO 2009, AUSTRAL 2008, DARQUE 2008



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
UAM 688 "ENCHENTE"	LOA (M)	17.5	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	5.64	TOTAL STORAGE CAPACITY (M ³)	30.0
LOCATION	DRAUGHT (M)	0.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Base Naval de Lisboa	AVERAGE SPEED (KN)	11.5	Boom and oil recovery system, Operating speed: 2 to 4 kn.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Compelmada		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
UAM 687 "VAZANTE"	LOA (M)	8,84	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3	TOTAL STORAGE CAPACITY (M ³)	8
LOCATION	DRAUGHT (M)	0.86	HEATED STORAGE (M ³)	No
	GT (TONNES)	14.1	ANTI-POLLUTION EQUIPMENT	
Base Naval de Lisboa	AVERAGE SPEED (KN)	8.5	Boom and external lori brush system, Operating speed: 1 to 2 kn.	
OPERATIONS	AGE OF VESSEL	15		
	SHIPYARD	Roberts Engineering Ltd.		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
GOLFINHO DO SADO	LOA (M)	12.68	CRANE CAPABILITY (TONNES)	2.5 / 1 m 0.34 / 5.9 m
	BREADTH (M)	4.842	TOTAL STORAGE CAPACITY (M ³)	7
LOCATION	DRAUGHT (M)	0.8	HEATED STORAGE (M ³)	No
	GT (TONNES)	17.84	ANTI-POLLUTION EQUIPMENT	
Setúbal	AVERAGE SPEED (KN)	6	2 lori bristle aggregate channels, each one with 4 lori oleophilic brush chains, 2 lori skimming booms (6 m), 1 desmi dop 250 transfer pump.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	COMPELMADA		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing Vessel ETV Pollution Response	CRANE	Yes
CTE PASSOS GOUVEIA	LOA (M)	25	CRANE CAPABILITY (TONNES)	1 / 7 m
	BREADTH (M)	9	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	4.8	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	244	ANTI-POLLUTION EQUIPMENT	
Madeira Island	AVERAGE SPEED (KN)	11	Dispersant Spray booms, Container for logistic support.	
OPERATIONS	AGE OF VESSEL	8		
	SHIPYARD	Asterilleros Ria De Avilés, Spain		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing Vessel ETV Pollution Response	CRANE	Yes
PONTA DO PARCO	LOA (M)	25	CRANE CAPABILITY (TONNES)	1 / 7 m
	BREADTH (M)	9.8	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	4.3	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	268	ANTI-POLLUTION EQUIPMENT	
Madeira Island	AVERAGE SPEED (KN)	11	Dispersant Spray booms, Internal power pack and universal hydraulic jacks, Locking pins on deck for securing of O P equipment, Nofi Current boomer, Skimmer Morris, 20 tonne floating tank, Can transport the vessel "Ecomar" listed below on Board.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Asterillos Armon, Spain		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			*	
NAME	CLASS	Emergency towing Vessel ETV Pollution Response	CRANE	Yes
BOQUEIRÃO	LOA (M)	20	CRANE CAPABILITY (TONNES)	1 / 7 m
	BREADTH (M)	7	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	3	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	124	ANTI-POLLUTION EQUIPMENT	
Madeira Island	AVERAGE SPEED (KN)	11	Dispersant Spray booms, Internal power pack and universal hydraulic jacks, Locking pins on deck for securing of O P equipment.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Asterillos Armon, Spain		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing Vessel ETV Pollution Response	CRANE	Yes
ILHÉU DE CIMA	LOA (M)	13.82	CRANE CAPABILITY (TONNES)	1 / 7 m
	BREADTH (M)	5.15	TOTAL STORAGE CAPACITY (M ³)	8
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	No
	GT (TONNES)	43	ANTI-POLLUTION EQUIPMENT	
Madeira Island	AVERAGE SPEED (KN)	8	Dispersant Spray booms, Internal power pack and universal hydraulic jacks, Locking pins on deck for securing of O P equipment, Boom reel, Oil discharge Pump.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Asterillos Armon, Spain		
Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
ECOMAR	LOA (M)	7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	2.32	TOTAL STORAGE CAPACITY (M ³)	1
LOCATION	DRAUGHT (M)	0.46	HEATED STORAGE (M ³)	No
	GT (TONNES)	2.9	ANTI-POLLUTION EQUIPMENT	
Madeira Island	AVERAGE SPEED (KN)	2	Film skimming plate, Solid debris 1m ³ basket, Oil tank 1m ³ , Shore pumping equipment.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Ecoceane Shipyard, ZA de Kerpallud, 22500 Paimpol, France		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	NA	CRANE	No
PRAIA DO MOLHE	LOA (M)	8	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3.4	TOTAL STORAGE CAPACITY (M ³)	8.0
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	No
	GT (TONNES)	5.52	ANTI-POLLUTION EQUIPMENT	
Leixões	AVERAGE SPEED (KN)	3	Disk Skimmer assembly.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Not specified		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	No
PRAIA DA MEMÓRIA	LOA (M)	26	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	6.51	TOTAL STORAGE CAPACITY (M ³)	200
LOCATION	DRAUGHT (M)	1.7	HEATED STORAGE (M ³)	No
	GT (TONNES)	88.2	ANTI-POLLUTION EQUIPMENT	
Leixões	AVERAGE SPEED (KN)	Not specified	Not specified.	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	São Jacinto		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
RIA LIMPA	LOA (M)	12.5	CRANE CAPABILITY (TONNES)	2.2
	BREADTH (M)	4	TOTAL STORAGE CAPACITY (M ³)	27
LOCATION	DRAUGHT (M)	1.2	HEATED STORAGE (M ³)	No
	GT (TONNES)	22.7	ANTI-POLLUTION EQUIPMENT	
Porto Aveiro	AVERAGE SPEED (KN)	5	No fixed anti-pollution equipment. General usage portable equipment are put on board accordingly to the needs of each situation.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Fracon		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	No
RIA AZUL	LOA (M)	12	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3.7	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	0.6	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	14.37	ANTI-POLLUTION EQUIPMENT	
Porto Aveiro	AVERAGE SPEED (KN)	20	Hydraulic reel drive, with 150 m Vikoma SL/9858-3 inflatable barrier model Vikoma Seasentinel into barracks.	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Conafi		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	No
PORTO VIANA	LOA (M)	12	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3.65	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	13.64	ANTI-POLLUTION EQUIPMENT	
Viana do Castelo	AVERAGE SPEED (KN)	25	2 x 150 mts inflatable anti-pollution barriers, Vikoma Hoyle Seasentinel, 2 air compressors for barriers, 1 Skimmer Vikoma Komara 12K, for dynamic oil spill recovery, 2 power pack units for skimmer, 2 inflatable and floatable tanks 5 m ³ , 2 inflatable and floatable tanks 12 m ³ .	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	Conafi		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
PORTO LIMPO	LOA (M)	13.5	CRANE CAPABILITY (TONNES)	1.8
	BREADTH (M)	4	TOTAL STORAGE CAPACITY (M ³)	27
LOCATION	DRAUGHT (M)	1	HEATED STORAGE (M ³)	No
	GT (TONNES)	32	ANTI-POLLUTION EQUIPMENT	
Porto de Viana do Castelo	AVERAGE SPEED (KN)	5	Marco System – (Filterbelt).	
OPERATIONS	AGE OF VESSEL	17		
	SHIPYARD	S. JACINTO		
Local	IMO NR.	(Aveiro)		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
MARCO	LOA (M)	9.32	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	2.35	TOTAL STORAGE CAPACITY (M ³)	3.7
LOCATION	DRAUGHT (M)	0.3	HEATED STORAGE (M ³)	No
	GT (TONNES)	3.7	ANTI-POLLUTION EQUIPMENT	
Sines	AVERAGE SPEED (KN)	13	Marco System – (Filterbelt).	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Kvichak marine industries; USA		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MAR LIMPO	LOA (M)	14.9	CRANE CAPABILITY (TONNES)	2.2
	BREADTH (M)	5.39	TOTAL STORAGE CAPACITY (M ³)	18
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	48.07	ANTI-POLLUTION EQUIPMENT	
Sines	AVERAGE SPEED (KN)	8	OMI System.	
OPERATIONS	AGE OF VESSEL	24		
	SHIPYARD	Carnave – Aveiro; Portugal		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
MARÉ AZUL	LOA (M)	15.5	CRANE CAPABILITY (TONNES)	1.48
	BREADTH (M)	5.32	TOTAL STORAGE CAPACITY (M ³)	20.8
LOCATION	DRAUGHT (M)	1.34	HEATED STORAGE (M ³)	No
	GT (TONNES)	32.23	ANTI-POLLUTION EQUIPMENT	
Sines	AVERAGE SPEED (KN)	8	Lors system.	
OPERATIONS	AGE OF VESSEL	16		
	SHIPYARD	Compelmada - Portugal		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
PRAIA AZUL	LOA (M)	9.9	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3.2	TOTAL STORAGE CAPACITY (M ³)	2.2
LOCATION	DRAUGHT (M)	0.26	HEATED STORAGE (M ³)	No
	GT (TONNES)	3.77	ANTI-POLLUTION EQUIPMENT	
Sines	AVERAGE SPEED (KN)	15	Lors system.	
OPERATIONS	AGE OF VESSEL	16		
	SHIPYARD	American Eagle - USA		
Local	IMO NR.	*		



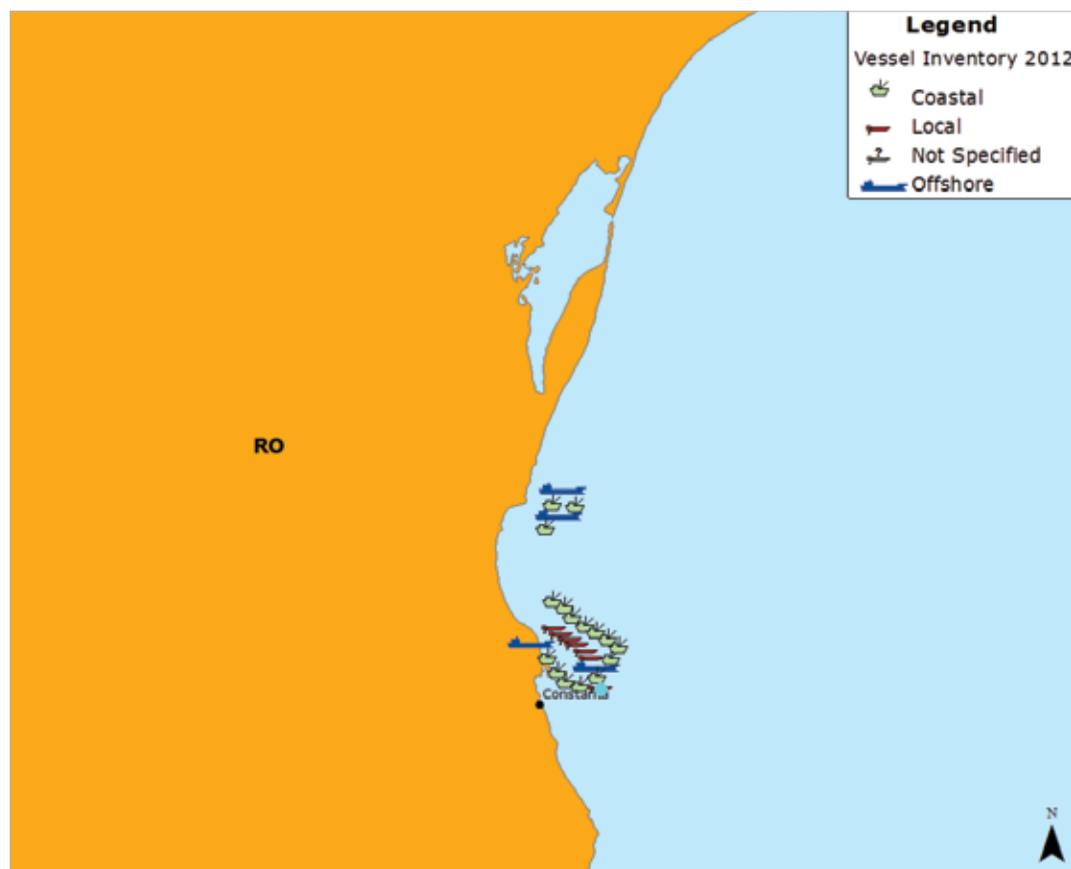
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Not specified
LAIBEQUE	LOA (M)	14.6	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Lisboa	AVERAGE SPEED (KN)	Not specified	Not specified	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	N/A	CRANE	Not specified
AMETISTA	LOA (M)	18	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Lisboa	AVERAGE SPEED (KN)	Not specified	Not specified	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	Not specified
ALCAMÉ	LOA (M)	7.5	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	Not specified	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Lisboa	AVERAGE SPEED (KN)	Not specified	Not specified	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
N.R.P. BACAMARTE	LOA (M)	56.2	CRANE CAPABILITY (TONNES)	1.5
	BREADTH (M)	11.8	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	1.9	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	650	ANTI-POLLUTION EQUIPMENT	
Base Naval de Lisboa	AVERAGE SPEED (KN)	9	V-sweep system, Skimmer.	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	Arsenal do Alfeite		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
N.R.P. SCHULTZ XAVIER	LOA (M)	56	CRANE CAPABILITY (TONNES)	12
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	3.8	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	900	ANTI-POLLUTION EQUIPMENT	
Base Naval de Lisboa	AVERAGE SPEED (KN)	12.5	Dispersants spray equipment.	
OPERATIONS	AGE OF VESSEL	39		
	SHIPYARD	Arsenal do Alfeite		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing Vessel ETV Pollution Response	CRANE	Yes
O BRAVO	LOA (M)	26,09	CRANE CAPABILITY (TONNES)	1
	BREADTH (M)	7.94	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	4.05	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	183	ANTI-POLLUTION EQUIPMENT	
Azores-Praia da Vitória	AVERAGE SPEED (KN)	11	Dispersants spray equipment.	
OPERATIONS	AGE OF VESSEL	7		
	SHIPYARD	Damen		
Local	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - ROMANIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Constanța County Prefect

LOCATION OF ROMANIAN OIL POLLUTION RESPONSE VESSELS 2012:

- Constanța
- Midia



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

–

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

Limited stockpiles of equipment for at-sea response are held by the National Agency for Search & Rescue Constanta, the National Maritime Port Administration in Constanta. Their response equipment includes booms, skimmers, oil storage facilities, pumps and auxiliary vessels. The Border Police and Romanian Navy can also provide a range of vessels and personnel to support the response if needed.

Resources operated by Romanian SAR Agency and Maritime Port Administration also include different types of specialised antipollution equipment, such as:

- 3,300 m sea boom type RO-BOOM 1300;
- 2,000 m coastal boom type RO-BOOM 1500;
- 1,700 m off-shore floating booms C 600;
- 1,000 m floating booms COURTAINE;
- 10 storage tanks for oil recovered (25 cm each);
- 2 pcs DESMI TERMINATOR Weir skimmer 130 m³/h;
- 5 pcs DESMI TERMITE Weir skimmer 20 m³/h;
- 6,000kg biodegradable absorbent products;
- 350 absorbent pads.

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

In addition to these, there are a number of resources operated by private companies and the local oil industry (oil terminal, oil handling facilities) who own limited equipment to respond to small spills. There are some private contractors, representatives of some foreign specialised response companies that could provide, on request, equipment for open sea response actions.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have been no major spills in Romanian waters.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bucharest Convention;
- The Strategic Action Plan for the Rehabilitation and Protection of the Black Sea;
- Black Sea Regional Contingency Plan.

5. DRILL AND EXERCISES

National level: First national complex exercise (SAR-oil pollution-HNS) was organised in 2004. Starting 2007, Romania has organised table-top or operational exercises every year.

Regional level: The Advisory Group on Environmental Safety Aspects of Shipping, within the Black Sea Commission, established the long-term Plan for oil spill response exercises in the Black Sea. The principle for Alpha exercises is clock-wise geographically, for Delta – also the clock-wise mode was chosen, once every two years. The Bravo exercises go alphabetical order, on a quarterly basis.

EU level: Romania participated in all communication exercises organised by the MIC, via e-mail or through the CECIS system.

ARSVOM Constanta, a dedicated government company for at sea oil pollution response, organises exercises according their Annual programme – equipment deployment every two months.

To date, Romania has initiated two BRAVO exercises (in 2008 and 2010) and hosted the second DELTA regional exercise in Black Sea, RODELTA 2009, with participation of two EMSA - OSRV



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose vessel	CRANE	Yes
HERCULES	LOA (M)	68.55	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	16.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	2,388	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	9	1,200 m RO-BOOM 1500; DESMI TERMITE skimmer-1 pc; DESMI TERMINATOR-1pc; ENVIROPEAT absorbent product-800 kg; Fire-fighting pumps; Ice-breaker.	
OPERATIONS	AGE OF VESSEL	23		
	SHIPYARD	Braila, Romania		
Offshore	IMO NR.	*		
VESSEL			VESSEL	
NAME	CLASS	Research Vessel	CRANE	Yes
MARINA 1	LOA (M)	30.0	CRANE CAPABILITY (TONNES)	1
	BREADTH (M)	6.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	140	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	15	Sampling.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Berne Germany		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
SAFIR	LOA (M)	18.7	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.95	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	46	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	16	Used for boom towing, ENVIROPEAT absorbent product-748 kg.	
OPERATIONS	AGE OF VESSEL	9		
	SHIPYARD	Mangalia, Romania		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
RUBIN	LOA (M)	18.8	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.95	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	46	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	16	Used for boom towing, ENVIROPEAT absorbent product-748 kg.	
OPERATIONS	AGE OF VESSEL	9		
	SHIPYARD	Mangalia, Romania		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
CRISTAL	LOA (M)	18.9	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.95	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	1.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	46	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	16	Used for boom towing, ENVIROPEAT absorbent product-748 kg.	
OPERATIONS	AGE OF VESSEL	9		
	SHIPYARD	Mangalia, Romania		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Barge	CRANE	No
CANARA	LOA (M)	55.6	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	10	TOTAL STORAGE CAPACITY (M ³)	450
LOCATION	DRAUGHT (M)	1.4	HEATED STORAGE (M ³)	No
	GT (TONNES)	653	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	6		
OPERATIONS	AGE OF VESSEL	42		
	SHIPYARD	Turnu Severin		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Non propelled barge	CRANE	Yes
BARGE TANK 101	LOA (M)	60.3	CRANE CAPABILITY (TONNES)	3
	BREADTH (M)	11.3	TOTAL STORAGE CAPACITY (M ³)	940 for liquids; 12 for solid residues
LOCATION	DRAUGHT (M)	3.8	HEATED STORAGE (M ³)	No
	GT (TONNES)	788	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	Not specified	Settling tank; 450 pcs. absorbent pads; Absorbent Product MIXSORB-300 kg.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Turnu Severin		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	Yes
NICOLAE ZEICU	LOA (M)	24.6	CRANE CAPABILITY (TONNES)	1
	BREADTH (M)	6	TOTAL STORAGE CAPACITY (M ³)	114 for liquids
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M ³)	No
	GT (TONNES)	111	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	6.5	LAMOR brush skimmer; 200 m inflatable booms.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	FASSMER - Gmbh Germania		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Fishing vessel	CRANE	Yes
STEAU DE MARE1	LOA (M)	25.8	CRANE CAPABILITY (TONNES)	0.5
	BREADTH (M)	7.22	TOTAL STORAGE CAPACITY (M ³)	40
LOCATION	DRAUGHT (M)	2.91	HEATED STORAGE (M ³)	No
	GT (TONNES)	134	ANTI-POLLUTION EQUIPMENT	
Midia	AVERAGE SPEED (KN)	7	Can be used for transport and deploying booms.	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	USTKA - Polonia		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
DEPOL 3	LOA (M)	17.71	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	20 for liquids; 4 for solid residues
LOCATION	DRAUGHT (M)	1,6	HEATED STORAGE (M ³)	No
	GT (TONNES)	46.91	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	3	Sweeping arms.	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	URSS		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil recovery vessel	CRANE	No
DEPOL 5	LOA (M)	17.71	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	20 for liquids; 4 for solid residues
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	46.91	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	3	Sweeping arms.	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	URSS		
Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil waste collector	CRANE	No
DEPOL 9	LOA (M)	17.71	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	20 for liquids; 4 for solid residues
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	46.91	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	3	Sweeping arms.	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	URSS		
Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Oil waste collector	CRANE	No
DEPOL 10	LOA (M)	17.71	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	4.3	TOTAL STORAGE CAPACITY (M ³)	20 for liquids; 4 for solid residues
LOCATION	DRAUGHT (M)	1.6	HEATED STORAGE (M ³)	No
	GT (TONNES)	46.91	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	3	Sweeping arms.	
OPERATIONS	AGE OF VESSEL	26		
	SHIPYARD	URSS		
	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	No
MAI 1105" TEFAN CEL MARE	LOA (M)	66	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	10.25	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	3.20	HEATED STORAGE (M ³)	
	GT (TONNES)	1.029	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	12	Oil dispersant system, Possibility to take aboard the oil dispersant unit.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	DAMEN GALATI		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply	CRANE	Yes
MSV IEVOLI WHITE	LOA (M)	36	CRANE CAPABILITY (TONNES)	4.5
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	150
LOCATION	DRAUGHT (M)	4.37	HEATED STORAGE (M ³)	No
	GT (TONNES)	468	ANTI-POLLUTION EQUIPMENT	
Midia	AVERAGE SPEED (KN)	10	Used for transport ,deploying booms and recover oil activities Sea boom type Vikoma Hi Sprint 1500 250m 6 high power magnets type MIKO: hydraulic Skimer FOILEX TDS 200 2' storage barges (50m ³) Sample kit Recover oil tank (168 m ³) Dispersant tank (2.57 m ³) NOB: Absorbent booms, 3 GPS Buoy.	
OPERATIONS	AGE OF VESSEL	7		
	SHIPYARD	Cantieri Navali Termoli S.P.A Napoli		
Offshore/Coastal	IMO NR.	9302853		



VESSEL			EQUIPMENT	
NAME	CLASS	Offshore supply	CRANE	No
LINE RUNNER NEPTUN 1	LOA (M)	16.89	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	5.27	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	42	ANTI-POLLUTION EQUIPMENT	
Midia	AVERAGE SPEED (KN)	9	Used for transport and deploying booms, Absorbent pads. NOB: 100 m port boom type MP 500, 200 m port boom type MP 750, 2 skimmers, Absorbent booms & pom-pom.	
OPERATIONS	AGE OF VESSEL	12		
	SHIPYARD	Damen Shipyards Galati		
Offshore/Coastal	IMO NR.	9157923		
VESSEL			EQUIPMENT	
NAME	CLASS	NA	CRANE	No
BOAT SEA RIDER	LOA (M)	8.9	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	3.13	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Midia	AVERAGE SPEED (KN)	26.0	Used for equipment & personnel transport (max12).	
OPERATIONS	AGE OF VESSEL	3		
	SHIPYARD	Romania		
Offshore/Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	NA	CRANE	No
BOAT WAVE RIDER	LOA (M)	5.35	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	2.31	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Midia	AVERAGE SPEED (KN)	13	Used for equipment & personnel transport (max 8).	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Italia		
Offshore/Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
ZIMBRU 3	LOA (M)	33.3	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	10.8	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	5.3	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	430	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	7	Not specified	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Galati, Romania		
Coastal	IMO NR.	8861228		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
ZIMBRU 4	LOA (M)	33.35	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	10.8	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	53	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	43	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	7	Not specified	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Galati, Romania		
Coastal	IMO NR.	8861230		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
ALEXANDRIA 4	LOA (M)	53	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	3.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	30		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
ALEXANDRIA 5	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	3.5	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	8523228		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
GALATI 4	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	3.5	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	23		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	8861307		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
GALATI 5	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M³)	No
LOCATION	DRAUGHT (M)	3,5	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	21		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	8861319		

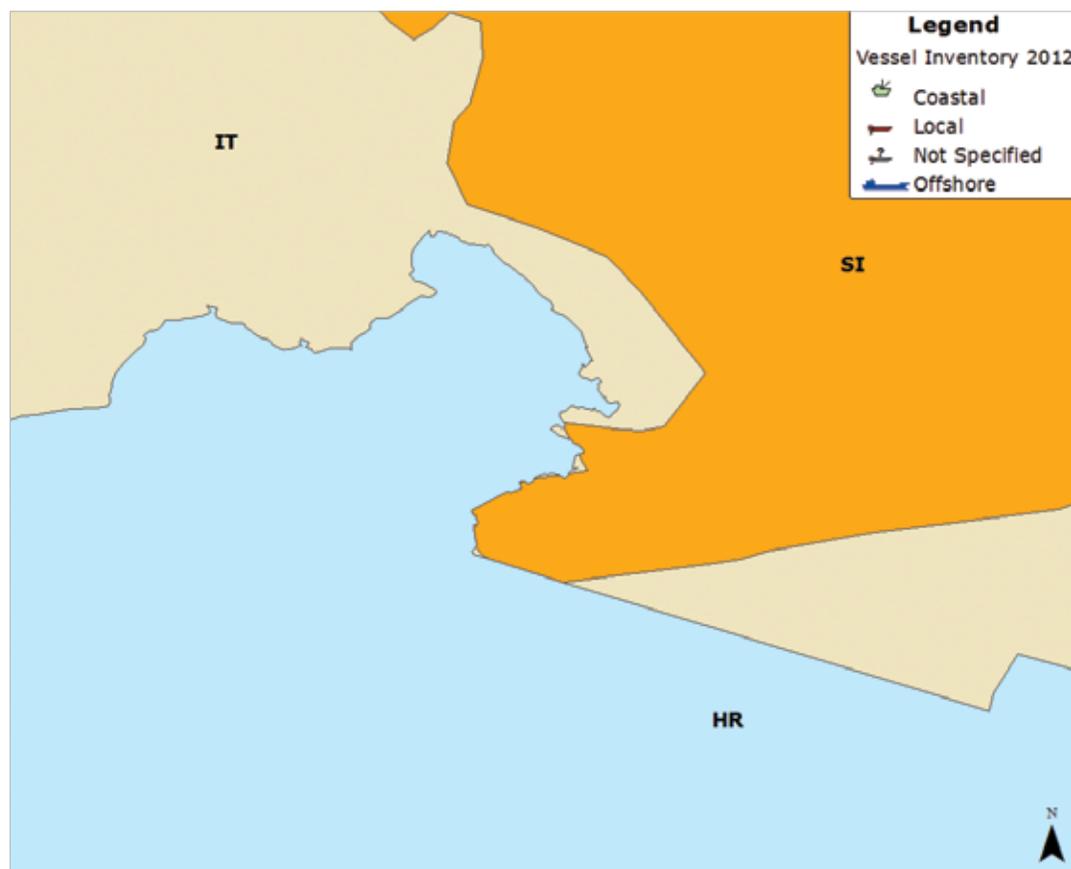


VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
METEOR	LOA (M)	16.56	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	5.54	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	2.2	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	46	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Damen, Galati		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
GALATI 6	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	3,5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	20		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	8861321		
VESSEL			EQUIPMENT	
NAME	CLASS	Emergency towing vessel ETV Pollution Response	CRANE	No
GALATI 7	LOA (M)	33	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	9.71	TOTAL STORAGE CAPACITY (M ³)	No
LOCATION	DRAUGHT (M)	3.5	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	385	ANTI-POLLUTION EQUIPMENT	
Constanta	AVERAGE SPEED (KN)	10	Not specified	
OPERATIONS	AGE OF VESSEL	19		
	SHIPYARD	Drobeta Turnu Severin, Romania		
Coastal	IMO NR.	8938409		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - SLOVENIA



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

No information provided

LOCATION OF SLOVENIAN OIL POLLUTION RESPONSE VESSELS 2012:

No information was provided for this edition. The information provided overleaf is from the previous edition (2009).



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

–

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

–

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

There have been no major oil pollution incidents in Slovenian waters.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention

5. DRILL AND EXERCISES

–

VESSEL			EQUIPMENT	
NAME	CLASS	Not specified	CRANE	Not specified
KP-613	LOA (M)	13.0	CRANE CAPABILITY (TONNES)	Not specified
	BREADTH (M)	50	TOTAL STORAGE CAPACITY (M³)	Not specified
LOCATION	DRAUGHT (M)	Not specified	HEATED STORAGE (M³)	Not specified
	GT (TONNES)	Not specified	ANTI-POLLUTION EQUIPMENT	
Not specified	AVERAGE SPEED (KN)	4	200 m booms.	
OPERATIONS	AGE OF VESSEL	Not specified		
	SHIPYARD	Not specified		
Not specified	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - SPAIN



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Dirección General de la Marina Mercante (DGMM) - Subdirección General de Seguridad, Contaminación e Inspección Marítima

LOCATION OF SPANISH OIL POLLUTION RESPONSE VESSELS 2012:

- Atlantic/Northwest coast
- Mediterranean/East Coast
- Western part of Gibraltar Strait
- Canary Islands



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Spanish authorities have a fleet of 14 vessels, owned by the Ministry of Development, as well as one oil recovery vessel under contract with a private company, for emergency, towing (ETVs), Search and Rescue (SAR) and oil spill response purposes. They all have a self-operating crane to load and unload equipment, and they have their own booms and skimmers ready to load. Five units are equipped with sweeping arms.

DON INDA, CLARA CAMPOAMOR, LUZ DE MAR, MIGUEL DE CERVANTES, ALONSO DE CHAVES and URANIA MELLA are the units with dedicated storage tanks for recovered products with heating coils. The rest of the fleet have open decks that make them suitable to deploy booms in recovery operations, but their storage capacity is limited.

Fifty-five fast response vessels of a smaller size (15 and 21 m length) and four patrol boats (32 m length) are positioned along the coastline for SAR activities. They are currently used as auxiliary units to tender booms and help the tugs in response operations. A list of the tug boats is provided

below. The geographical distribution of these vessels can vary depending on season and needs. The total number of skimmers is 60 units. There are also 40 portable tanks of 10 m³ capacity each and 18 portable tanks of 7.5 m³ each.

Spanish authorities have a fleet of three fixed wing aircraft CASA CN-235, especially configured for oil spill detection. In addition, they have two smaller fixed wing aircrafts.

Stockpiles are located in six different places along the Spanish coastline: Santander, A Coruña, Sevilla, Cartagena, Castellón y Tenerife.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

–

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- AEGEAN SEA (1992), 67,000 tonnes light crude oil;
- PRESTIGE (2002), 64,000 tonnes heavy fuel oil;
- SPABUNKER IV (2003), 900 tonnes of light oil and 100 tonnes of diesel oil.

4. REGIONAL AND BILATERAL AGREEMENTS

- Barcelona Convention;
- Member of the European Community Task Force;
- Spain has observer status under the Bonn Agreement;
- Lisbon Agreement (not yet in force).

5. DRILL AND EXERCISES

Spain participates annually and/or organises an exercise with France within the framework of the Biscay Plan in the Bay of Biscay and also participates and/or organises another annual exercise in the Mediterranean Sea with France, Italy and Monaco in the framework of Lion and Ramogepol Plans.



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
DON INDA	LOA (M)	80.6	CRANE CAPABILITY (TONNES)	2 cranes of 20 tonnes each one
	BREADTH (M)	18.0	TOTAL STORAGE CAPACITY (M ³)	1,750
LOCATION	DRAUGHT (M)	7.0	HEATED STORAGE (M ³)	1,750
	GT (TONNES)	3,646	ANTI-POLLUTION EQUIPMENT	
Atlantic/Northwest coast	AVERAGE SPEED (KN)	17	Sweeping arms with weir skimmer, Transrec with weir and drum skimmers, 200 m boom.	
OPERATIONS	AGE OF VESSEL	5		
	SHIPYARD	Astilleros Zamacona		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
CLARA CAMPOAMOR	LOA (M)	80.6	CRANE CAPABILITY (TONNES)	2 cranes of 20 tonnes each one
	BREADTH (M)	18.0	TOTAL STORAGE CAPACITY (M ³)	1,750
LOCATION	DRAUGHT (M)	7.0	HEATED STORAGE (M ³)	1,750
	GT (TONNES)	3,646	ANTI-POLLUTION EQUIPMENT	
Mediterranean/East Coast	AVERAGE SPEED (KN)	17	Sweeping arms with weir skimmer, Transrec with weir and drum skimmers, 200 m boom.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Astilleros Zamacona		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
LUZ DE MAR	LOA (M)	56,0	CRANE CAPABILITY (TONNES)	2 cranes of 20 and 10 tonnes
	BREADTH (M)	15	TOTAL STORAGE CAPACITY (M ³)	287
LOCATION	DRAUGHT (M)	5,5	HEATED STORAGE (M ³)	287
	GT (TONNES)	1780	ANTI-POLLUTION EQUIPMENT	
Western part of Gibraltar Strait	AVERAGE SPEED (KN)	15.5	Sweeping arms with weir skimmer, Noren skimmer system with weir and brush skimmers.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Astilleros Armón Vigo		
Offshore/Coastal/Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
MIGUEL DE CERVANTES	LOA (M)	56.0	CRANE CAPABILITY (TONNES)	2 cranes of 20 and 10 tonnes
	BREADTH (M)	15	TOTAL STORAGE CAPACITY (M ³)	287
LOCATION	DRAUGHT (M)	5.5	HEATED STORAGE (M ³)	287
	GT (TONNES)	1,780	ANTI-POLLUTION EQUIPMENT	
Canary Islands	AVERAGE SPEED (KN)	15.5	Sweeping arms with weir skimmer, Noren skimmer system with weir and brush skimmers.	
OPERATIONS	AGE OF VESSEL	6		
	SHIPYARD	Astilleros Armón Vigo		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
ALONSO DE CHAVES	LOA (M)	58.08	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	13.3	TOTAL STORAGE CAPACITY (M ³)	25
LOCATION	DRAUGHT (M)	5.51	HEATED STORAGE (M ³)	No
	GT (TONNES)	1,549	ANTI-POLLUTION EQUIPMENT	
Northern coast	AVERAGE SPEED (KN)	15	Disk skimmer, Two arms Kamper of 12 m with Marflex MSP 150 pumps.	
OPERATIONS	AGE OF VESSEL	25		
	SHIPYARD	Astander		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
PUNTA MAYOR	LOA (M)	60.0	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	12.8	TOTAL STORAGE CAPACITY (M ³)	198
LOCATION	DRAUGHT (M)	4.61	HEATED STORAGE (M ³)	154.6
	GT (TONNES)	1,047	ANTI-POLLUTION EQUIPMENT	
Mediterranean/East Coast	AVERAGE SPEED (KN)	13	Side boom and weir skimmer, 200 m boom.	
OPERATIONS	AGE OF VESSEL	27		
	SHIPYARD	Astilleros Luzuriaga		
Offshore/Coastal/Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
PUNTA SALINAS	LOA (M)	57.3	CRANE CAPABILITY (TONNES)	10
	BREADTH (M)	13	TOTAL STORAGE CAPACITY (M ³)	145
LOCATION	DRAUGHT (M)	5.45	HEATED STORAGE (M ³)	No
	GT (TONNES)	1,178	ANTI-POLLUTION EQUIPMENT	
Canary Islands	AVERAGE SPEED (KN)	15.5	Side boom and weir skimmer.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Astilleros Huelva		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
MARÍA DE MAEZTU	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	907	ANTI-POLLUTION EQUIPMENT	
Western Part of Gibraltar Strait	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
MARÍA ZAMBRANO	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	907	ANTI-POLLUTION EQUIPMENT	
Western Part of Gibraltar Strait	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	4		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
MARÍA PITA	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	907	ANTI-POLLUTION EQUIPMENT	
Atlantic Northwest Coast	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	3		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
MARTA MATA	LOA (M)	39.70	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	907	ANTI-POLLUTION EQUIPMENT	
Mediterranean/East Coast	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	3		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Oil Recovery vessel	CRANE	Yes
URANIA MELLA	LOA (M)	73.5	CRANE CAPABILITY (TONNES)	She has a small crane for lifting and dropping the sweeping arms
	BREADTH (M)	15	TOTAL STORAGE CAPACITY (M ³)	3,100
LOCATION	DRAUGHT (M)	4,203	HEATED STORAGE (M ³)	3,100
	GT (TONNES)	1,590	ANTI-POLLUTION EQUIPMENT	
Atlantic/Northwest Coast	AVERAGE SPEED (KN)	8	Sweeping arms.	
OPERATIONS	AGE OF VESSEL	2		
	SHIPYARD	Astilleros Francisco Cardama Vigo		
Offshore/Coastal/Local	IMO NR.	*		

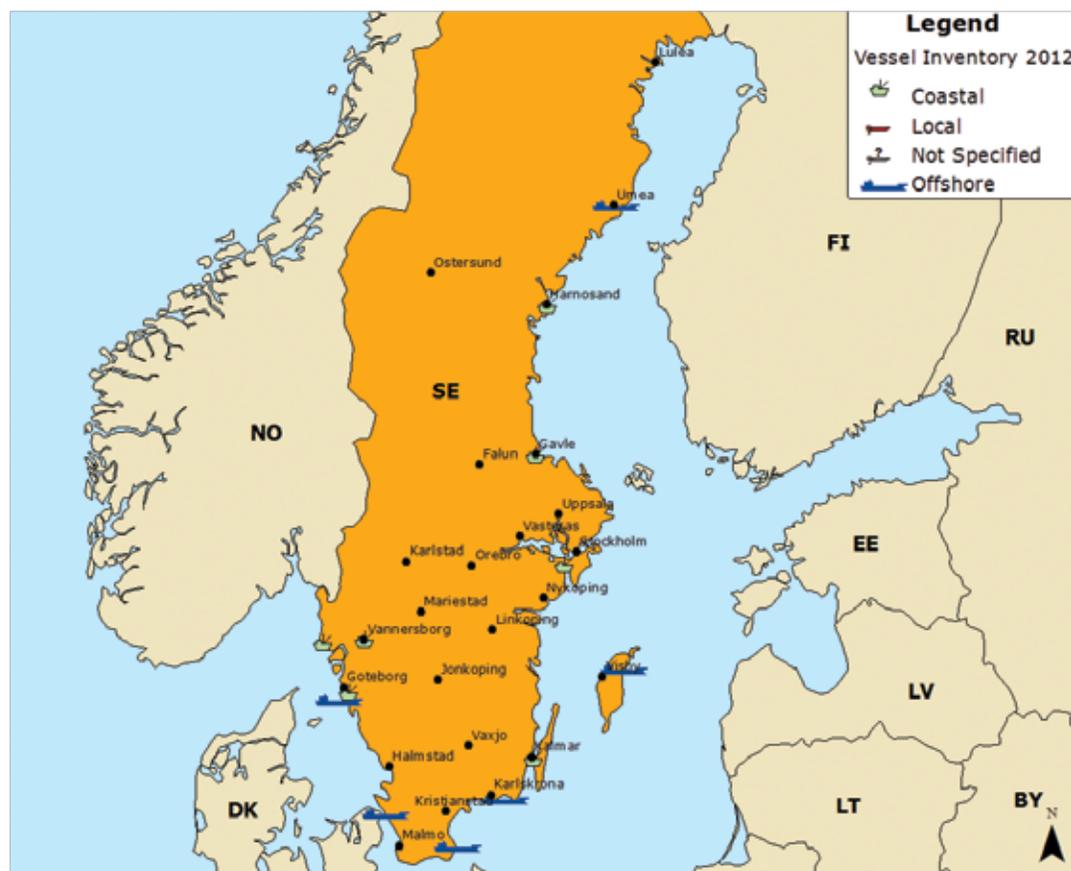


VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
SAR GAVIA	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	912	ANTI-POLLUTION EQUIPMENT	
Atlantic Northwest Coast	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
SAR MASTELERO	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	912	ANTI-POLLUTION EQUIPMENT	
Mediterranean/South Coast	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	Yes
SAR MESANA	LOA (M)	39.7	CRANE CAPABILITY (TONNES)	10.15
	BREADTH (M)	12.5	TOTAL STORAGE CAPACITY (M ³)	Not specified
LOCATION	DRAUGHT (M)	4.85	HEATED STORAGE (M ³)	Not specified
	GT (TONNES)	912	ANTI-POLLUTION EQUIPMENT	
Mediterranean/East Coast	AVERAGE SPEED (KN)	13	No anti-pollution equipment.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Unión Naval de Valencia		
Offshore/Coastal/Local	IMO NR.	*		





OIL SPILL RECOVERY VESSELS INVENTORY 2012 - SWEDEN



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

Swedish Coast Guard

LOCATION OF SWEDISH OIL POLLUTION RESPONSE VESSELS 2012:

- Härnösand
- Gavle
- Sodertalje
- Kalmar
- Vänersborg
- Kungs-hamn
- Goteborg
- Umea
- Helsingborg
- Simrishamn
- Gothenburg
- Slite
- Karlskrona



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

Technical details of Swedish offshore response vessels: stockpiles are located at Harnosand, Djuro, Slite, Karlskrona and Goteborg.

The Swedish Coast Guard have ordered four new response vessels to be delivered 2011 – 2012. They will have the following particulars: LOA: 50 m; breadth: 10.4 m; draft: 3.0 m; speed: 16 knots and a storage capacity of 250 tonnes.

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

–

2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

There are no known privately-owned resources for at-sea response in Sweden. Unlike its neighbours, Norway and Denmark, Sweden does not have any offshore oil production in the North Sea. For this reason, it does not have the availability of private sector spill response capability from the oil industry.

3. PREVIOUS EXPERIENCE WITH OIL POLLUTION RESPONSE

- TESIS (1977) 1,000 tonnes;
- ANTONIO GRAMSCI (1979) 5,000–6,000 tonnes;
- VOLGONEFT 263 (1990) 1,000 tonnes.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement;
- Helsinki Convention;
- Copenhagen Agreement;
- SweDenGer Agreement.

5. DRILL AND EXERCISES

Drills are performed for all crews and vessels in local/regional exercises annually. Swedish vessels also participate in the exercises that are conducted within the regional agreements we are part of, Copenhagen agreement, HELCOM and Bonn Agreement.

VESSEL			EQUIPMENT			
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes		
KBV005	LOA (M)	45.5	CRANE CAPABILITY (TONNES)	0.4 / 32 m Range		
	BREADTH (M)	10.5	TOTAL STORAGE CAPACITY (M ³)	233		
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	No		
	GT (TONNES)	990	ANTI-POLLUTION EQUIPMENT			
Härnösand	AVERAGE SPEED (KN)	11				
OPERATIONS	AGE OF VESSEL	30			Sweeping Arms, Lamor brush skimmers, two free-floating skimmers, 300 m boom.	
	SHIPYARD	Asieverken Sweden				
Coastal	IMO NR.	*				



VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
KBV010	LOA (M)	46.1	CRANE CAPABILITY (TONNES)	75 / 20
	BREADTH (M)	8.6	TOTAL STORAGE CAPACITY (M ³)	312 (212 + 100 oil bags)
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	212
	GT (TONNES)	430	ANTI-POLLUTION EQUIPMENT	
Gavle	AVERAGE SPEED (KN)	12	Sweeping Arms, Lamor brush skimmers, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	21		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
KBV046	LOA (M)	36.4	CRANE CAPABILITY (TONNES)	2 / 8.4 m Range
	BREADTH (M)	7.3	TOTAL STORAGE CAPACITY (M ³)	260 (150 + 110 oil bags)
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	150
	GT (TONNES)	340	ANTI-POLLUTION EQUIPMENT	
Sodertalje	AVERAGE SPEED (KN)	10	Sweeping Arms, Lamor brush skimmers, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	31		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
KBV047	LOA (M)	36.4	CRANE CAPABILITY (TONNES)	2 / 8.4 m Range
	BREADTH (M)	7.3	TOTAL STORAGE CAPACITY (M ³)	260 (150 + 110 oil bags)
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	150
	GT (TONNES)	340	ANTI-POLLUTION EQUIPMENT	
Kalmar	AVERAGE SPEED (KN)	10	Sweeping Arms, Lamor brush skimmers, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
KBV048	LOA (M)	36.4	CRANE CAPABILITY (TONNES)	2 / 8.4 m Range
	BREADTH (M)	7.3	TOTAL STORAGE CAPACITY (M ³)	260 (150 + 110 oil bags)
LOCATION	DRAUGHT (M)	3.7	HEATED STORAGE (M ³)	150
	GT (TONNES)	340	ANTI-POLLUTION EQUIPMENT	
Vänersborg	AVERAGE SPEED (KN)	10	Sweeping Arms, Lamor brush skimmers, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	29		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
KBV050	LOA (M)	38.0	CRANE CAPABILITY (TONNES)	2 / 8.4 m Range
	BREADTH (M)	8.5	TOTAL STORAGE CAPACITY (M ³)	300 (190 + 110 oil bags)
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	190
	GT (TONNES)	375	ANTI-POLLUTION EQUIPMENT	
Kungs-hamn	AVERAGE SPEED (KN)	11	Sweeping Arm, Lamor brush skimmer, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Anti-Pollution Vessel	CRANE	Yes
KBV051	LOA (M)	38.0	CRANE CAPABILITY (TONNES)	2 / 8.4 m Range
	BREADTH (M)	8.5	TOTAL STORAGE CAPACITY (M ³)	300 (190 + 110 oil bags)
LOCATION	DRAUGHT (M)	2.4	HEATED STORAGE (M ³)	190
	GT (TONNES)	375	ANTI-POLLUTION EQUIPMENT	
Goteborg	AVERAGE SPEED (KN)	11	Sweeping Arm, Lamor brush skimmer, two free- floating skimmers, 300 m boom.	
OPERATIONS	AGE OF VESSEL	28		
	SHIPYARD	Lunde Yard Sweden		
Coastal	IMO NR.	*		



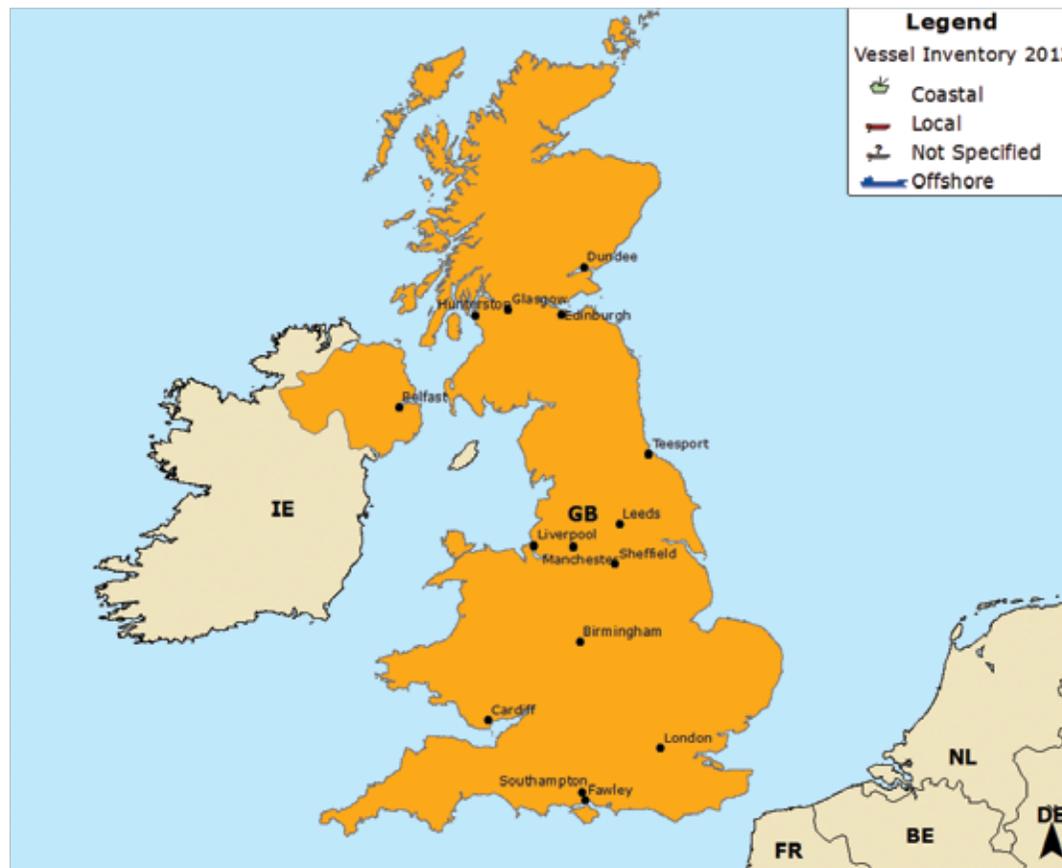
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
KBV181	LOA (M)	56.0	CRANE CAPABILITY (TONNES)	3.1 / 13.2 m Range
	BREADTH (M)	10.2	TOTAL STORAGE CAPACITY (M ³)	50 (oil bags)
LOCATION	DRAUGHT (M)	5.3	HEATED STORAGE (M ³)	No
	GT (TONNES)	991	ANTI-POLLUTION EQUIPMENT	
Umea	AVERAGE SPEED (KN)	15.0	One side brush skimmer advancing system with sweeping arm, two free-floating skimmer, 300 m boom.	
OPERATIONS	AGE OF VESSEL	21		
	SHIPYARD	Rauma Yard Finland		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
KBV201	LOA (M)	52.0	CRANE CAPABILITY (TONNES)	0.7 / 16.8 Range
	BREADTH (M)	8.6	TOTAL STORAGE CAPACITY (M ³)	214 (104 + 110 oil bags)
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	104
	GT (TONNES)	476	ANTI-POLLUTION EQUIPMENT	
Helsingborg	AVERAGE SPEED (KN)	21	Sweeping Arm, Lamor brush skimmer, two free-floating skimmer, 300 m boom.	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Karlskrona Yard Sweden		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Patrol/Navy Vessel	CRANE	Yes
KBV202	LOA (M)	52.0	CRANE CAPABILITY (TONNES)	0.7 / 16.8 m Range
	BREADTH (M)	8.6	TOTAL STORAGE CAPACITY (M ³)	214 (104 + 110 oil bags)
LOCATION	DRAUGHT (M)	2.8	HEATED STORAGE (M ³)	104
	GT (TONNES)	476	ANTI-POLLUTION EQUIPMENT	
Simrishamn	AVERAGE SPEED (KN)	21	Sweeping Arm, Lamor brush skimmer, two free-floating skimmer, 300 m boom.	
OPERATIONS	AGE OF VESSEL	10		
	SHIPYARD	Karlskrona Yard Sweden		
Offshore	IMO NR.	*		



VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	3
KBV001 POSEIDON	LOA (M)	81.2	CRANE CAPABILITY (TONNES)	24/7 Remote, 8/21 Remote, 1/17 Remote
	BREADTH (M)	16.2	TOTAL STORAGE CAPACITY (M³)	1,050
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1,050
	GT (TONNES)	3,760	ANTI-POLLUTION EQUIPMENT	
Gothenburg	AVERAGE SPEED (KN)	16.0	Towing capacity 100 tonnes/1,000 m, Advance fire fighting 2 x 1200 m³/h water, 1 x 300 m³/h foam. Recovery system 400 m³/h 10,000 cSt, 100 m³/h 1,000,000 cSt, Sweep arms 32 m, Skimmer 100 m³/h, Bucketskimmer 3 m, Multihose 90 m, Cargo capacity 4 x 20' container.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Damen Yard Holland		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	3
KBV002 TRITON	LOA (M)	81.2	CRANE CAPABILITY (TONNES)	24/7 Remote, 8/21 Remote, 1/17 Remote
	BREADTH (M)	16.2	TOTAL STORAGE CAPACITY (M³)	1,050
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1,050
	GT (TONNES)	3,760	ANTI-POLLUTION EQUIPMENT	
Slite	AVERAGE SPEED (KN)	16.0	Towing capacity 100 tonnes/1,000 m, Advance fire fighting 2 x 1200 m³/h water, 1 x 300 m³/h foam. Recovery system 400 m³/h 10,000 cSt, 100 m³/h 1,000,000 cSt, Sweep arms 32 m, Skimmer 100 m³/h, Bucketskimmer 3 m, Multihose 90 m, Cargo capacity 4 x 20' container.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Damen Yard Holland		
Offshore	IMO NR.	*		
VESSEL			EQUIPMENT	
NAME	CLASS	Multipurpose Vessel	CRANE	3
KBV003 AMFITRITE	LOA (M)	81.3	CRANE CAPABILITY (TONNES)	24/7 Remote, 8/21 Remote, 1/17 Remote
	BREADTH (M)	16.3	TOTAL STORAGE CAPACITY (M³)	1,100
LOCATION	DRAUGHT (M)	6.5	HEATED STORAGE (M³)	1,100
	GT (TONNES)	3,760	ANTI-POLLUTION EQUIPMENT	
Karlskrona	AVERAGE SPEED (KN)	16.0	Towing capacity 100 tonnes/1,000 m, Advance fire fighting 2 x 1200 m³/h water, 1 x 300 m³/h foam. Recovery system 400m³/h 10000 cSt, 100 m³/h 1,000,000 cSt, Sweep arms 32 m, Skimmer 100m³/h, Bucketskimmer 3m, Multihose 90 m, Cargo capacity 4 x 20' container. Recovery tanks in SS 160 m³ Recovery capacity in hot area.	
OPERATIONS	AGE OF VESSEL	1		
	SHIPYARD	Damen Yard Holland		
Offshore	IMO NR.	*		



OIL SPILL RECOVERY VESSELS INVENTORY 2012 - UNITED KINGDOM



COMPETENT NATIONAL AUTHORITY WITH OVERALL RESPONSIBILITY FOR OIL POLLUTION RESPONSE:

MCA Counter Pollution & Response
The Maritime & Coastguard Agency

LOCATION OF BRITISH OIL POLLUTION RESPONSE VESSELS 2012:

N/A



1. GOVERNMENT OWNED RESOURCES

1.1. Government Specialised Anti-Pollution Vessels

The United Kingdom (UK) has a highly developed OPRC arrangement, the key factor being cooperation with industry. This includes a requirement for all medium to major UK ports and harbours to maintain comprehensive Marine Pollution Preparedness and Response Contingency Plans that are approved and continuously reviewed by the UK's Maritime and Coastguard Agency (MCA).

1.2. Government Non-Specialised Vessels and Equipment for Anti-Pollution Response

A 16,000 tonne oil slick can be treated in 48 hours, drawing on dispersants held in eleven government stockpiles strategically located around the UK. Scientific and monitoring support, along with rapid liaison with other Government departments, forms part of the UK's response. This allows rapid determination on whether chemical dispersion is appropriate for a given scenario and also allows on-going efficacy assessments during operations. To provide an enhanced towing and salvage capability the MCA has put in place the Coastguard Agreement for Salvage and Towing (CAST). CAST is a standing agreement with the operators of tugs and other vessels capable of

assisting MCA with towage, salvage or other work related to the saving of life, property or environmental protection. It enables the rapid deployment of suitable vessels under MCA control with pre-agreed terms and conditions of service.

- A robust working relationship with towing and salvage brokers also gives rapid access to resources that may be available on the commercial market.
- Current satellite surveillance includes a shared programme with the German, Belgian and Netherlands authorities covering the Southern North Sea and Dover Straits. Any future satellite surveillance programme will also be targeted on a defined area.
- A robust and decisive command and control system encompassing the Secretary of State's Representative for Maritime Salvage and Intervention (SOSREP) function.

The MCA maintains a stockpile of counter pollution and salvage equipment on behalf of the UK Government. Oil recovery equipment includes;

- Ro-skim 1500 single-ship recovery system
- three scan trawls systems
- three heavy oil skimmers
- weir skimmer
- oleophilic disc skimmers

In addition to at sea oil recovery equipment, the stockpile also includes booming and temporary storage, ship-to-ship transfer packages, inert gas generation and hazardous & noxious substance response equipment.

In addition to the contingency planning arrangements for ports and harbours, similar requirements are placed on UK continental shelf operators. All offshore installations have aerial surveillance and/or dispersant spraying resources. These installations are also required by Government to have Tier 3 contractual arrangements with Briggs Marine Environmental Services and/or Oil Spill Response Limited.

Oil recovery capability is a requirement for several offshore operators. Through OPRC and government/industry understandings, vessels with this capability can be made available. Through the highly developed regional OPRC arrangements under the Bonn Agreement, substantial resources, including oil recovery ships, can be made available for use in the UK pollution control zone.

Additionally, through the civil protection arrangements of the European Community further resources can be made available from maritime Member States



2. PRIVATE RESOURCES (UNDER CONTRACT OR AGREEMENT)

2.1. Private Vessels Available for Anti-Pollution Response

–

3. PREVIOUS EXPERIENCE ON OIL POLLUTION RESPONSE

- SIVAND (1983) 6000 tonnes light crude oil;
- BRAER (1993) 85,000 tonnes of crude oil;
- SEA EMPRESS (1996) 72,000 tonnes of crude oil.

4. REGIONAL AND BILATERAL AGREEMENTS

- Bonn Agreement (with countries bordering the North Sea)
- Manche Plan (a bilateral agreement with France);
- Norbrit Plan (a bilateral contingency plan with Norway);
- Arrangements exist to aid the Channel Islands & Isle of Man if requested through the Manche Plan;
- Member of the European Community Task Force;
- A bilateral agreement exists with the United Kingdom and Republic of Ireland;
- Quadripartite Plan (with France, UK, Netherlands and Belgium).

5. DRILL AND EXERCISES

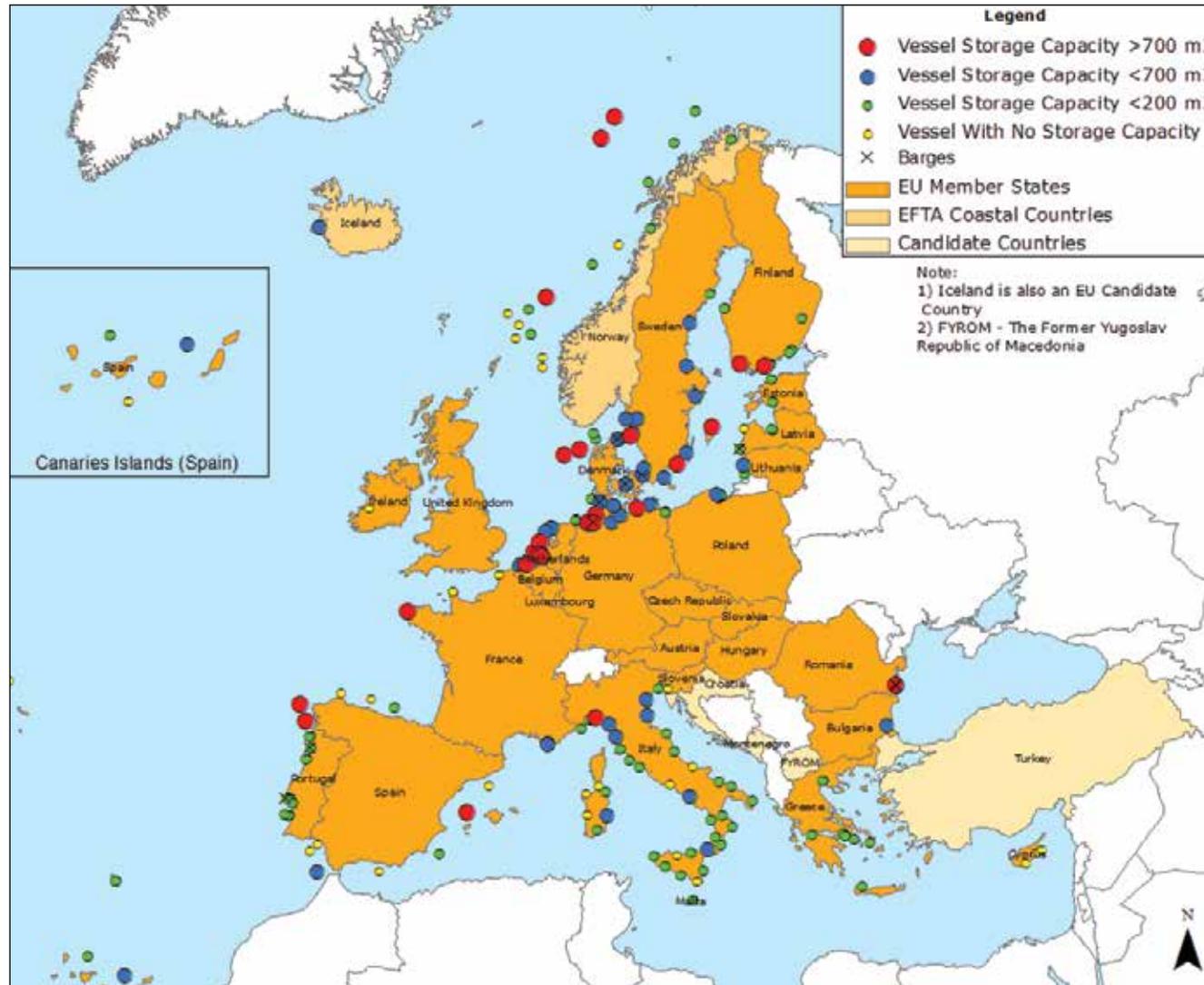
–



Overview of the Inventory of EU Member States Oil Pollution Response Vessels 2012



COASTAL AND OFFSHORE OIL SPILL RESPONSE VESSEL INVENTORY 2012 BY STORAGE CAPACITY



About EMSA

The European Maritime Safety Agency is one of the European Union's decentralised agencies. Based in Lisbon, the Agency provides technical assistance and support to the European Commission and Member States in the development and implementation of EU legislation on maritime safety, pollution by ships and maritime security. It has also been given operational tasks in the field of oil pollution response, vessel monitoring and in long-range identification and tracking of vessels.



www.emsa.europa.eu