

Annual report on the implementation of the Council Regulation (EC) No 812/2004¹ - 2011

Member State: **Poland**

Reference period: **2011**

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¹ Council Regulation (EC) No 812/2004 of 26.4.2004 laying down measures concerning incidental catches of cetaceans in fisheries and amending Regulation (EC) No 88/98.

Summary

In 2011, vessels of 12 m or over in overall length continued to use cetaceans deterrent devices (i.e. pingers) in set gillnets and in entangling nets in the ICES area 24. In 2011, 54% of all vessels of 12 m or over in overall length, fishing with set gillnets in the ICES area 24, were equipped with pingers. When controlling the use of pingers, pinger detectors were employed when a net was submerged in water, or it was performed visually by the controllers when a net was on board.

The implementation of pilot projects to assess the effectiveness of pinger use was not possible due to very small porpoise population in the central region of the Baltic Sea.

The Incidental Catches of Cetaceans Monitoring Programme was also continued in 2011. In 2011, observations were carried out on board 13 fishing vessels, including 6 vessels of more than 15 m in overall length which met the requirements of the Article 4 (1) Regulation (EC) No 812/2004, and 7 vessels of 5 to 8 m in overall length which met the requirements of the Article 4(2). Observers spent 110 days on board those vessels, out of which 66 days on fishing trips during which pelagic trawls were used and 44 days when set gillnets were used. During each of those fishing trips, observations were carried out to find any incidental catches or net entanglement of cetaceans and other marine mammals. During the monitored 66 days of fishing with pelagic trawls and 44 days of fishing with set gillnets, no catches of cetaceans or any other marine mammals were reported.

Acoustic deterrent devices

1. General information.

Pursuant to the Council Regulation (EC) No 812/2004, Poland has an obligation to use acoustic deterrent devices for cetaceans on vessels of 12 m or over in overall length, which use set gillnets or entangling nets, on waters within the ICES area 24.

In 2008, fishing vessels flying the Polish flag received 500 AQUATEC AQUAMARK 100 pingers, intended in particular for deterring porpoises (*Phocoena phocoena*), i.e. the only cetacean species living in the Baltic Sea. In 2011, 16 fishing vessels flying the Polish flag were equipped with and used pingers.

Additionally, in June 2010 the Regional Inspectorate of Sea Fisheries in Szczecin ordered special devices for detecting the operation of pingers. The devices were delivered from Denmark in September 2010. They enable a real-time monitoring of pingers operation during fishing.

1.1. Description of the fleet with installed pingers.

Metier	Fishing Area	Total fishing effort						
		No. of vessels	% of vessels using pingers	No. of trips	Days at sea	Months of operation	Total length of nets (km)	Total soak time (h)
Demersal fish	27.III.d.24	9	44%	95	317	January-December	1136	3136,5

2. Acoustic deterrent devices Article 2 and 3 of the Council Regulation (EC) No 812/2004.

Fleet segment	Fishing Area	% of vessels using pingers	Pinger characteristics	Other mitigation measures
GNS	27.III.d.24	44%	AQUATEC AQUAMARK 100	

3. Monitoring and assessment.

3.1. Monitoring and assessment of the effects of pinger use.

Due to very low number of cetaceans in the areas of the Baltic Sea where vessels flying the Polish flag conduct fishing operations, the assessment could not be performed. From the moment the Polish fishing vessels started using pingers, i.e. from 2008, the Regional Inspectorate of Sea Fisheries in Szczecin, which has jurisdiction over the area where the use of pingers is mandatory pursuant to Annex I of the Council Regulation (EC) No 812/2004, has not received any reports on an incidental catch of a cetacean.

3.2. Report specifying control measures in cases when pingers are used by fishermen (Article 2.4.)

The use of pingers by vessels of 12 m or over in overall length, which have a permit for using set gillnets, is monitored by the Regional Inspectorate of Sea Fisheries in Szczecin, during fishing in the ICES subarea 24, where, according to the said Annex to the Regulation (EC) No 812/2004, the use of pingers in bottom-set gillnets and in entangling nets is mandatory. Pingers of the Polish fishing vessels operating in the ICES subarea 24 are not used by those vessels in the ICES subareas 25 and 26.

Monitoring of pinger use is performed by fisheries inspectors during every inspection of fishing in the ICES subareas 24. These inspections are carried out using pinger detectors during the monitoring of submerged nets, or visually by inspectors who check if nets are equipped with pingers during the net roll or when examining nets that are already on board. During the controls of fishing vessels, which have an obligation to use pingers during fishing trips, performed in the ports, the inspectors check if deterrent devices are on side of vessels (usually they are already detached from fishing nets). Fishermen use only AQUAMARK AQUATEC 100 pingers which meet the technical requirements laid down in Annex II to the Regulation No 812/2004.

3.3. Derogation

Does not apply to Poland.

3.4. Overall assessment.

In the case of the central Baltic Sea area where the population of porpoises is very small, it is very difficult to assess the effectiveness of pinger use. However, in our opinion the use of pingers on fishing vessels longer than 12 m and equipped with set gillnets and entangling nets in the ICES area 24 should be continued.

At the same time, monitoring of incidental catches of porpoise in the Baltic Sea should be continued, taking into account the fishing area, fishing gear and fleet segment, so that the data on incidental catches could serve as a basis for future actions aimed at more effective protection of the Baltic Sea porpoise population e.g. by introducing the mandatory use of pingers during fishing also by smaller vessels, i.e. vessels of over 10 m but less than 12 m in overall length, or by imposing an obligation to use pingers on all vessels using set gillnets in the Natura 2000 sites established to protect small cetaceans.

4.2. Fishing effort and observer effort during set gillnet fishing.

Fleet segment (refer to code in Table 1)	ICES subarea	Total fishing effort					Total observer effort achieved					Coverage % days at sea
		No of vessels	No of trips	Days at sea	Total length of nets (km)	Average soak time (hours/day)	No of vessels	No of trips	Days at sea	Total length of nets (km)	Average soak time (hours/day)	
GNS	25	13	264	701			2	5	22	204,15		3,14
GNS	26*	4	24	47								

26* - In supplement to monitoring of fishing cutters of more than 15 m in overall length, the observations were carried out also on vessels less than 15 m in overall length which use the fishing gear compliant with the Regulation, in the waters of the Gdańsk and the Puck Bay, i.e. the areas generating the largest number of reports on possible incidental catches of porpoise. The observations were carried out on 7 vessels for 22 days.

5. Estimation of incidental catches.

6.1. Incidental catch rates by fleet segment and target species.

Fleet segment (refer to code in Table 1)	ICES Subarea	Main target species	Pinger in use? (yes/no)	Cetacean species bycaught	Number of incidents	Number of specimens
GNS	25	Cod	no	no	0	0
GNS	26	Cod	no	no	0	0
OTM	24	Herring, sprat	no	no	0	0
OTM	25	Herring, sprat	no	no	0	0
OTM	26	Herring, sprat	no	no	0	0

Cetacean bycatch by fishing gear.

Fleet segment or other stratum	Cetacean species (scientific name)	Bycatch expressed per unit of fishing effort *	Total bycatch estimate	CV percent
GNS (ICES 26)	no	0	0	
OTM (ICES 25-28)	no	0	0	

Verified cases of incidental catches

Since 2006, i.e. since the Incidental Catches of Cetaceans Monitoring Programme was launched, no cases of incidental catches of cetaceans were reported.

7. and 8. Discussion and conclusions

In the case of Poland, where during the implementation of the pilot project, i.e. between 2006 and 2009 and the continuation of the monitoring scheme between 2010 and 2011, no instances of cetacean presence were reported, it is impossible to achieve a coefficient of variation not exceeding 0.30, as stipulated in Annex III to Council Regulation (EC) No 812/2004, since it would require monitoring of about 80% of the fishing effort.

Therefore, taking into account the observations and experience, as well as data from literature², which present the risk of incidental catches of small cetaceans in the Baltic Sea posed by individual types of fishing gear, we suggest that during the subsequent years of the implementation of the Incidental Catches of Cetaceans Monitoring Programme the observers should be on board fishing vessels during at least 6% of fishing operations (in terms of days at sea) of the Polish fleet in the Baltic Sea with the use of set gillnets (in subareas 25 and 26), and during 1% of fishing operations (in terms of days at sea) with the use of pelagic trawls. Furthermore, we also plan to continue pilot observations of incidental catches of cetaceans on vessels less than 15 m in overall length in subsequent years under the Programme, in particular in the areas which were the source of the largest number of reports on possible incidental catches of porpoise.

² Kuklik, I. and Skóra, K.E. 2003. Bycatch as a potential threat for harbour porpoise (*Phocoena phocoena*) in Polish Baltic waters. NAMMCO Sci. Publ. 5: xx-xx.

9. Appendix

Full Report on Monitoring of Incidental Catches of Cetaceans in 2011



NATIONAL MARINE FISHERIES RESEARCH INSTITUTE

REPORT ON THE IMPLEMENTATION OF THE INCIDENTAL CATCHES OF CETACEANS MONITORING PROGRAMME IN 2011

Report commissioned by the Ministry of Agriculture and Rural Development



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Gdynia, March 2012

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1. Introduction

Monitoring of incidental catches of cetaceans stems from the implementation of the Council Regulation (EC) No 812/2004 laying down measures concerning incidental catches of cetaceans in fisheries and amending Regulation (EC) No 88/98 (OJ L 150, 30.4.2004, p. 12, as amended) which imposes an obligation on Poland to implement the Observer Scheme starting from 1 January 2006.

Fishing grounds subject to observation under the Programme were selected by the National Marine Fisheries Research Institute in line with forecasts based on the analysis of fishing activity in 2010 and were modified over the course of the year based on data supplied by observers and the Fisheries Monitoring Centre in the Ministry of Agriculture and Rural Development.

A sampling strategy to achieve a coefficient of variation not exceeding 0.30 cannot be designed for Polish fishing operations in the southern Baltic Sea. Between 2006 and 2010, within the framework of the Incidental Catches of Cetaceans Monitoring Programme, the National Marine Fisheries Research Institute collected and presented results from 1020 days of fishing with various types of fishing gear, during which no porpoise (i.e. the most common cetacean species in monitored fishing grounds) or other cetaceans were found. Therefore, pursuant to the provisions of paragraph 1 of Annex III of the Regulation No 812/2004, the sampling strategy was designed on the basis of existing information on the variability of previous by-catch observations.

In 2011, the National Marine Fisheries Research Institute stipulated that observers should be on board fishing cutters during 5% of fishing operations with the use of set gillnets (in subareas 25 and 26) and 2% of fishing operations with the use of pelagic trawls, calculated in terms of days at sea. The method of Programme implementation was accepted by the contracting authority, i.e. the Ministry of Agriculture and Rural Development.

Some observations in subarea 26 were performed based on smaller vessels operating on relatively significant waters of the Gdańsk Bay and the Puck Bay and the Baltic Sea waters along the Hel Peninsula, which recorded the largest number of reports on possible incidental catches of porpoise (nets with mesh size over 80 mm). This procedure is compliant with Article 4(2) which imposes an obligation on Member States to “take the necessary steps to collect scientific data on incidental catches of cetaceans for vessels with an overall length less than 15 m”. The need to carry out observations to find incidental catches of cetaceans by vessels with a length less than 15 m was also emphasized in the ICES Report of the Workshop to Evaluate Aspects of EC Regulation 812/2004, 28-30, Copenhagen, September 2010 (ICES CM 2010/ACOM:66).

The objective of the Programme was to monitor fishing by cutters with an overall length of 15 m or more, using set gillnets with mesh size opening larger than 80 mm and pelagic trawls, in 2011, in terms of incidental catches of cetaceans in the Polish marine areas.

2. Material and methodology

Observations on board the fishing cutters were performed by the employees of the National Marine Fisheries Research Institute, who were appropriately trained and acquainted with the methodology of research on monitoring incidental catches of cetaceans (Annex 1). The majority of observers listed in the Annex participated in fishing trips under the Incidental Catches of Cetaceans Monitoring Programme in previous years.

In 2011, observations were carried out on board 13 vessels operating from 9 ports (Table 1). Within the framework of the Programme, the observers spent 110 days at sea, including 66 days on board the vessels fishing with pelagic trawls and 44 days on the vessels fishing with set gillnets (Annex II). During each of those fishing trips potential incidental catches or net entanglement of cetaceans and other marine mammals were monitored.

Table 1. Number of monitored fishing days by vessel and type of fishing gear (or length of vessels).

Fishing vessel	Length	Type of fishing gear		Port	ICES subarea subject to observation
		Entangling nets (GNS)	Pelagic trawl (OTM)		
HEL-150	over 15 m		30	Hel	25,26
JAS-81	6.5	2		Jastarnia	26
KOŁ-121	over 15 m		25	Kołobrzeg	24,25
KOŁ-5	over 15 m		4	Kołobrzeg	24,25
KUŹ-9	7.2	1		Kuźnica	26
KUŹ-92	6.0	4		Kuźnica	26
MEC-2	6.5	3		Mechelinki	26
REW-18	6.8	2		Rewa	26
SWA-9	5.8	2		Swarzewo	26
UST-31	over 15 m	7		Ustka	25
UST-45	over 15 m	15		Ustka	25
WŁA-139	over 15 m		7	Władysławowo	26,28
WŁA-55	6.0	8		Władysławowo	26
Final total		44	66		

Based on reports from fishing trips provided by observers, the analysis of actual fishing effort achieved when using set gillnets and pelagic trawls in relation to fishing activity meeting the criteria of the Regulation was performed.

3. Results

3.1. Monitoring of pelagic trawl fishing

Pursuant to Annex III to the EC Regulation, monitoring of fishing with pelagic trawls in the Baltic Sea region should be performed throughout the year south of 59°N and only between 1 June and 30 September north of 59°N. In ICES subareas 24 to 28, Polish fishing cutters of 15 m or over in overall length were fishing with pelagic trawls for 6388 days in 2011 (until 29 October). Fishing operations were performed mainly in subareas 25 and 26, where they lasted for 5738 days (almost 90%).

Total number of days during which observations were carried out amounted to 66, which accounts for 1.03% of the total number of fishing days. In region 25, observations on cetacean by-catch lasted for 46 days (1.98%) and in region 26 they accounted for 0.41% of fishing days (Annex II). The fishing locations (set position) where observations were conducted are presented in Figure 1 and the list of fishing operations in Annex III.

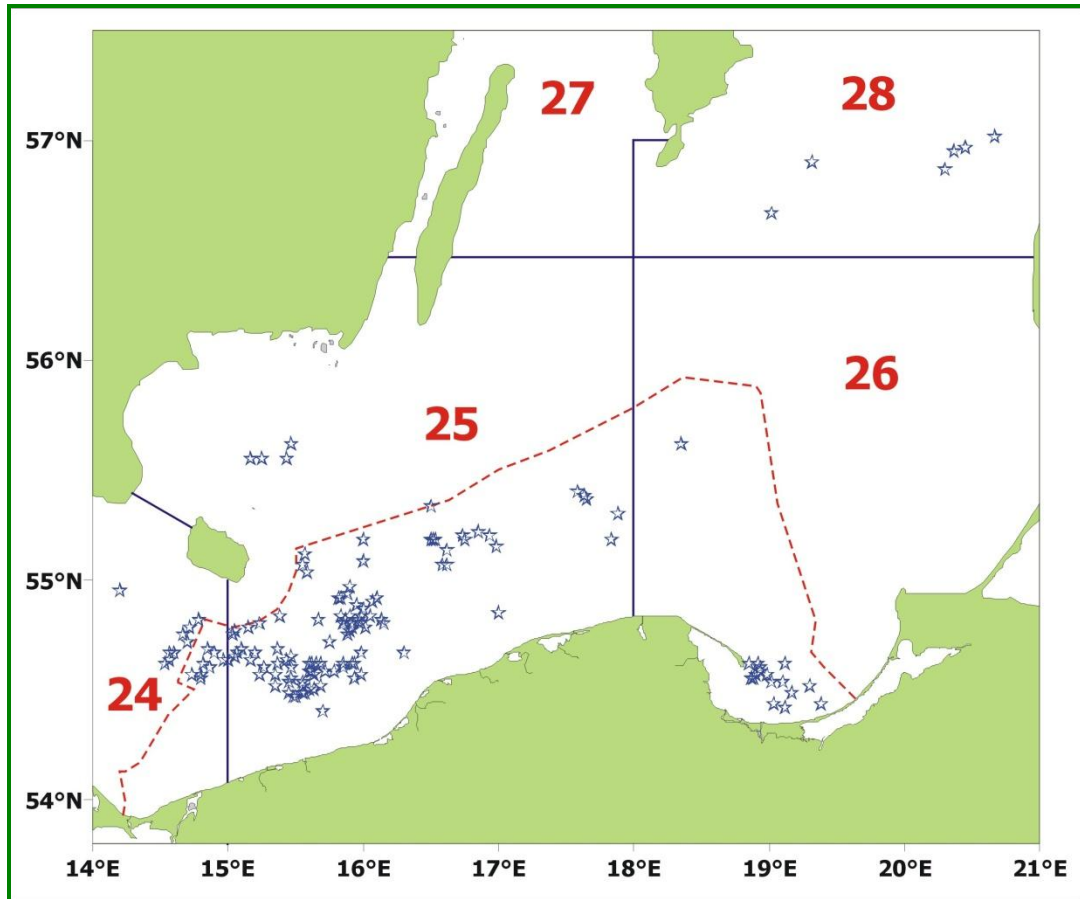


Fig. 1. Pelagic trawl fishing observation area in ICES subareas 24 to 28 in 2011.

During 66 days of observation, fishing cutters performed 150 haul trawls. The total time of trawling amount to 824.9 hours and the average time of a single haul to approximately 5.5 hours.

During the 66-day monitoring of pelagic trawl fishing, no catches of cetaceans or any other marine mammals were reported.

3.2. Set gillnets monitoring

Polish fishing cutters of 15 m or over in overall length were fishing using set gillnets (in regions specified in Annex III of the EC Regulation) for 748 days in total (ICES subareas 25-26). The largest fishing effort was reported in subarea 25 where fishing with set gillnets took place for 701 days (approximately 93.7%). In subarea 26, observations of set gillnet fishing were conducted on smaller vessels which were fishing using the gear meeting the criteria of the Programme. Such operations are accepted and even recommended under Article 4(2) of the Regulation (EC) No 812/2004. An additional argument in favour of such a decision was the fact that the monitored

region (Puck Bay) is considered a place where porpoise is most common³ and which pursuant to subparagraph 6 of the introduction to the Regulation No 812/2004 “should be given priority”. In the case of fishing with set gillnets, the size of the vessel and its capacity are virtually irrelevant and what matters is the mesh size (80 mm), which must be compliant with the Regulation.

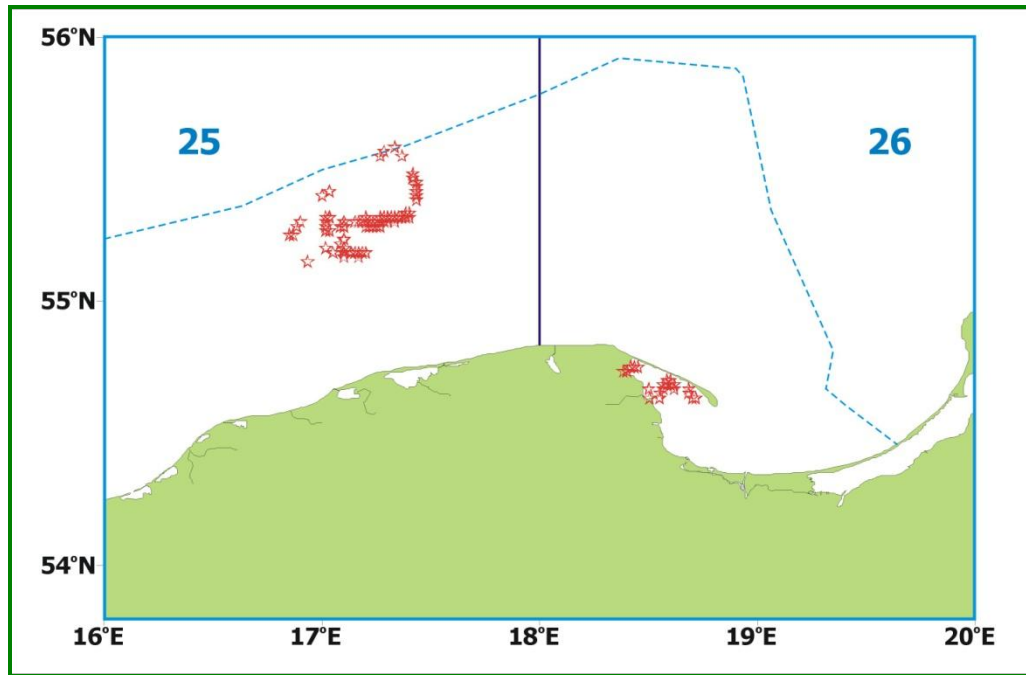


Fig. 2. Set gillnet fishing observation areas in ICES subareas 25 and 26 in 2011.

Observations of set gillnet fishing in order to verify the implementation of tasks imposed by the Incidental Catches of Cetaceans Monitoring Programme were carried out for 44 days in subareas 25 and 26. In the case of subarea 25, the observations were performed for 3.14% of the total number of fishing days in this region. In subarea 26, observations were carried out on 7 vessels for 22 days.

Table 2 presents aggregate data on the quantity of gear, its exposure in individual subareas and the total length of set gillnets subject to monitoring, broken down by individual subareas.

³ Kuklik, I. and Skóra, K.E. 2003. Bycatch as a potential threat for harbour porpoise (*Phocoena phocoena*) in Polish Baltic waters. NAMMCO Sci. Publ. 5: xx-xx.

Table 2

ICES subarea	Number of set gillnets used in observed fishing effort	Total exposure time of set gillnets (in hours)	Total length of set gillnets used in observed fishing effort (m)
25	3 933	2 615.2	204 150
26	405	713.0	21 650
Total	4 338	3 328.2	225 800

During the 44-day monitoring of set gillnet fishing, no cases of net entanglement of cetaceans or any other marine mammals were reported.

3.2. Observations of birds caught in fishing nets

The catches of 6 birds were reported during set gillnet fishing, including 3 dead Common Murres and a living auk, a Velvet Scoter and a Red-throated Loon which were released from the nets. The locations where the birds were found in the nets are presented in Figure 3 and the photos and descriptions of birds in Annex IV.

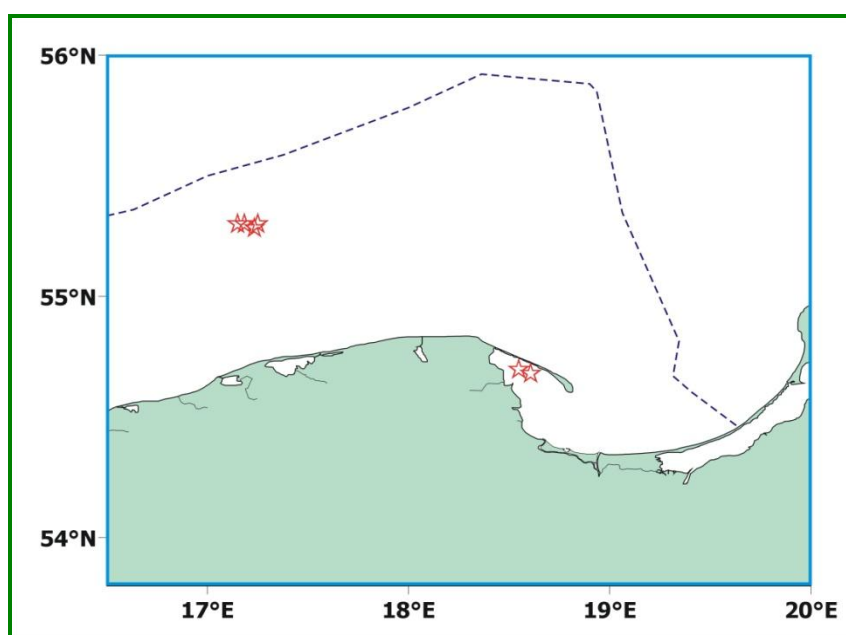


Fig. 3. Locations where birds were found in fishing nets (set gillnets).

4. Conclusions

- **Monitoring of pelagic trawl and set gillnet fishing in the Baltic Sea, performed by the National Marine Fisheries Research Institute in 2011 (April-November), did not reveal any incidental catches or net entanglement of cetaceans or other marine mammals.**
- Observations did not find any porpoise in set gillnet fishing in the waters of the Puck Bay (internal part of the Gdańsk Bay). Some authors argue that this is the area where the species is most common.
- No protected species of fish were reported in the monitored fishing operations;
- During fishing with set gillnets, six birds were found in the nets, out of which three were released and three were dead.
- **From 2006, i.e. from the beginning of the implementation of the Incidental Catches of Cetaceans Monitoring Programme by the National Marine Fisheries Research Institute, no incidental catches of cetaceans or other marine mammals have been reported.**

Annex I

List of observers participating in the Incidental Catches of Cetaceans Monitoring Programme in 2011.

Surname and first name of the observer	Position held
Trella Kordian	Assistant professor - project manager
Radtke Krzysztof	Assistant professor
Celmer Zuzanna	Specialist
Zaporowski Radosław	Senior specialist
Modrzejewski Grzegorz	Senior technician
Deluga Wojciech	Technician
Jarek Tomasz	Technician
Nowakowski Marcin	Technician
Trella Stanisław	Technician
Wybierała Ireneusz	Technician

Annex II

Content in accordance with Recommendation 4 of the International Council for the Exploration of the Sea - ICES "ACOM supplied format for National Reports for 812/2004".

4. At sea observer scheme

Information which is to be found in this part is presented in the Report.

Observer effort

Table 3a. Description of fishing effort and observer in static gear

Fleet segment (refer to code in Table 1)	ICES subarea	Total fishing effort					Total observer effort achieved					Coverage % days at sea
		No of vessels	No of trips	Days at sea	Total length of nets (km)	Average soak time (hours/day)	No of vessels	No of trips	Days at sea	Total length of nets (km)	Average soak time (hours/day)	
GNS	25	13	264	701			2	5	22	204,15		3,14
GNS	26*	4	24	47								

26* - Due to a delay in the Programme commencement in 2011 and a very small fishing effort of cutters with overall length of 15 m and more, observations could not be performed. Therefore, observations were carried out on vessels less than 15 m in overall length which used the fishing gear compliant with the Regulation, in the waters of the Gdańsk and the Puck Bay, which generated the largest number of reports on possible incidental catches of porpoise. The observations were carried out on 7 vessels for 22 days.

Table 3b. Description of fishing effort and observer in towed gear

Fleet segment (refer to code in Table 1)	ICES sub area	Total fishing effort					Total observer effort achieved					Coverage % days at sea
		No of vessels	No of trips	Days at sea	No of hauls	Average towing time (hours/day)	No of vessels	No of trips	Days at sea	No of hauls	Average towing time (hours/day)	
OTM+PTM	23	0	0	0								0.00
OTM+PTM	24	24	247	447			2	3	3	11		0.67
OTM+PTM	25	53	1046	2325			3	13	46	93		1,98
OTM+PTM	26	70	2690	3413			2	10	14	17		0.41
OTM+PTM	27	8	11	13			0	0	0	0		0.00
OTM+PTM	28	25	85	168			1	2	3	7		1,79
OTM+PTM	29	3	8	22								0.00

Recording of bycatch

No incidental cetaceans' entanglement in fishing nets was reported during the observations.

Results of the observer schemes

Table 4. Bycatch by species and fleet segment

Fleet segment (refer to code in Table 1)	ICES Subarea	Main target species	Pinger in use? (yes/no)	Cetacean species bycaught	Number of incidents	Number of specimens
GNS	25	Cod	no	no	0	0
GNS	26	Cod	no	no	0	0
OTM	24	Herring, sprat	no	no	0	0
OTM	25	Herring, sprat	no	no	0	0
OTM	26	Herring, sprat	no	no	0	0

Table 5. Bycatch rate by fleet segment and target species

Fleet segment or other stratum	Cetacean species (scientific name)	Bycatch expressed per unit of fishing effort *	Total bycatch estimate	CV percent
GNS (ICES 25-26)	no	0	0	
OTM (ICES 24-26)	no	0	0	

Annex III

List of fishing operations subject to observations performed under the Incidental Catches of Cetaceans Monitoring Programme (gear set position).

No	Ship	Net code	Date	Latitude	Longitude	Haul duration/soak time	Main catch	Bycatch of cetaceans
1	KOŁ-121	OTM	22.03.2011	54°36	16°03	7.0	herring,sprat	no
2	KOŁ-121	OTM	22.03.2011	54°40	16°06	6.0	herring,sprat	no
3	WŁA-139	OTM	28.03.2011	56°40	19°01	9.0	herring,sprat	no
4	WŁA-139	OTM	29.03.2011	56°54	19°19	11.5	herring,sprat	no
5	WŁA-139	OTM	30.03.2011	57°00	19°39	7.0	herring,sprat	no
6	WŁA-139	OTM	03.04.2011	55°37	18°21	7.5	herring,sprat	no
7	WŁA-139	OTM	04.04.2011	56°52	20°18	6.0	herring,sprat	no
8	WŁA-139	OTM	05.04.2011	56°58	20°27	3.5	herring,sprat	no
9	WŁA-139	OTM	06.04.2011	56°57	20°22	9.0	herring,sprat	no
10	WŁA-139	OTM	06.04.2011	57°01	20°40	3.5	herring,sprat	no
11	KUŻ-92	GNS	13.04.2011	54°41	18°36	48.0	cod	no
12	KUŻ-92	GNS	21.04.2011	54°41	18°36	24.0	cod	no
13	HEL-150	OTM	27.04.2011	54°37	18°51	5.0	herring,sprat	no
14	HEL-150	OTM	27.04.2011	54°35	18°56	6.0	herring,sprat	no
15	HEL-150	OTM	28.04.2011	54°33	18°53	4.0	herring,sprat	no
16	HEL-150	OTM	28.04.2011	54°34	18°59	6.0	herring,sprat	no
17	HEL-150	OTM	29.04.2011	54°34	18°54	5.0	herring,sprat	no
18	HEL-150	OTM	29.04.2011	54°37	18°55	4.5	herring,sprat	no
19	UST-45	GNS	03.05.2011	55°09	16°56	43.0	cod	no
20	UST-45	GNS	03.05.2011	55°12	17°01	17.5	cod	no
21	UST-45	GNS	03.05.2011	55°11	17°03	18.0	cod	no
22	UST-45	GNS	03.05.2011	55°14	17°06	18.0	cod	no
23	UST-45	GNS	03.05.2011	55°16	17°01	19.5	cod	no
24	UST-45	GNS	04.05.2011	55°12	17°01	7.5	cod	no
25	UST-45	GNS	04.05.2011	55°11	17°03	7.5	cod	no
26	UST-45	GNS	04.05.2011	55°14	17°06	7.5	cod	no
27	UST-45	GNS	04.05.2011	55°16	17°02	7.5	cod	no
28	UST-31	GNS	04.05.2011	55°29	17°25	7.5	cod	no
29	UST-31	GNS	04.05.2011	55°29	17°25	7.6	cod	no
30	UST-31	GNS	04.05.2011	55°28	17°25	7.8	cod	no
31	UST-31	GNS	04.05.2011	55°28	17°25	7.9	cod	no
32	UST-31	GNS	04.05.2011	55°27	17°26	8.1	cod	no
33	UST-31	GNS	04.05.2011	55°27	17°26	8.3	cod	no
34	UST-31	GNS	04.05.2011	55°26	17°26	8.5	cod	no
35	UST-31	GNS	04.05.2011	55°26	17°26	8.6	cod	no
36	UST-31	GNS	04.05.2011	55°25	17°26	8.8	cod	no
37	UST-31	GNS	04.05.2011	55°25	17°26	9.0	cod	no
38	UST-31	GNS	04.05.2011	55°24	17°26	9.2	cod	no
39	UST-31	GNS	04.05.2011	55°24	17°26	9.6	cod	no
40	UST-31	GNS	04.05.2011	55°23	17°26	9.7	cod	no

41	UST-31	GNS	04.05.2011	55°23	17°26	9.8	cod	no
42	UST-31	GNS	04.05.2011	55°23	17°26	9.9	cod	no
43	UST-31	GNS	04.05.2011	55°33	17°22	65.8	cod	no
44	UST-31	GNS	04.05.2011	55°34	17°17	112.1	cod	no
45	UST-31	GNS	04.05.2011	55°35	17°20	114.0	cod	no
46	UST-45	GNS	05.05.2011	55°11	17°06	8.0	cod	no
47	UST-31	GNS	05.05.2011	55°18	17°09	14.6	cod	no
48	UST-31	GNS	05.05.2011	55°18	17°09	14.3	cod	no
49	UST-31	GNS	05.05.2011	55°18	17°10	14.1	cod	no
50	UST-31	GNS	05.05.2011	55°18	17°11	13.7	cod	no
51	UST-31	GNS	05.05.2011	55°18	17°11	13.4	cod	no
52	UST-31	GNS	05.05.2011	55°18	17°12	13.2	cod	no
53	UST-31	GNS	05.05.2011	55°18	17°12	12.9	cod	no
54	UST-31	GNS	05.05.2011	55°18	17°13	12.7	cod	no
55	UST-31	GNS	05.05.2011	55°18	17°13	12.5	cod	no
56	UST-31	GNS	05.05.2011	55°18	17°14	12.3	cod	no
57	UST-31	GNS	05.05.2011	55°18	17°14	11.9	cod	no
58	UST-31	GNS	05.05.2011	55°18	17°15	11.5	cod	no
59	UST-31	GNS	05.05.2011	55°18	17°15	11.1	cod	no
60	UST-31	GNS	05.05.2011	55°18	17°16	10.4	cod	no
61	UST-31	GNS	05.05.2011	55°18	17°16	9.7	cod	no
62	UST-31	GNS	06.05.2011	55°20	17°24	13.3	cod	no
63	UST-31	GNS	06.05.2011	55°20	17°23	12.8	cod	no
64	UST-31	GNS	06.05.2011	55°19	17°22	12.4	cod	no
65	UST-31	GNS	06.05.2011	55°19	17°21	11.8	cod	no
66	UST-31	GNS	06.05.2011	55°19	17°20	11.1	cod	no
67	UST-31	GNS	06.05.2011	55°19	17°19	10.6	cod	no
68	UST-31	GNS	06.05.2011	55°19	17°18	9.9	cod	no
69	UST-31	GNS	06.05.2011	55°19	17°17	9.3	cod	no
70	UST-31	GNS	06.05.2011	55°19	17°16	8.8	cod	no
71	UST-31	GNS	07.05.2011	55°19	17°24	12.4	cod	no
72	UST-31	GNS	07.05.2011	55°19	17°23	12.0	cod	no
73	UST-31	GNS	07.05.2011	55°19	17°22	11.7	cod	no
74	UST-31	GNS	07.05.2011	55°19	17°21	11.0	cod	no
75	UST-31	GNS	07.05.2011	55°19	17°20	10.4	cod	no
76	UST-31	GNS	07.05.2011	55°19	17°19	10.0	cod	no
77	UST-31	GNS	07.05.2011	55°19	17°18	9.6	cod	no
78	UST-31	GNS	07.05.2011	55°19	17°18	9.2	cod	no
79	UST-31	GNS	07.05.2011	55°19	17°17	8.9	cod	no
80	UST-31	GNS	07.05.2011	55°33	17°16	44.5	cod	no
81	UST-31	GNS	08.05.2011	55°18	17°20	13.9	cod	no
82	UST-31	GNS	08.05.2011	55°18	17°18	13.0	cod	no
83	UST-31	GNS	08.05.2011	55°18	17°17	12.6	cod	no
84	UST-31	GNS	08.05.2011	55°17	17°16	12.3	cod	no
85	UST-31	GNS	08.05.2011	55°17	17°15	11.9	cod	no
86	UST-31	GNS	08.05.2011	55°17	17°14	11.6	cod	no
87	UST-31	GNS	08.05.2011	55°17	17°13	11.1	cod	no
88	UST-31	GNS	08.05.2011	55°17	17°12	10.5	cod	no
89	UST-31	GNS	09.05.2011	55°19	17°23	11.6	cod	no

90	UST-31	GNS	09.05.2011	55°19	17°22	11.1	cod	no
91	UST-31	GNS	09.05.2011	55°19	17°21	10.6	cod	no
92	UST-31	GNS	09.05.2011	55°19	17°20	10.1	cod	no
93	UST-31	GNS	09.05.2011	55°19	17°19	9.8	cod	no
94	UST-31	GNS	09.05.2011	55°19	17°18	9.3	cod	no
95	UST-31	GNS	09.05.2011	55°19	17°17	8.8	cod	no
96	UST-31	GNS	09.05.2011	55°19	17°16	8.4	cod	no
97	UST-31	GNS	10.05.2011	55°19	17°12	8.4	cod	no
98	KUŻ-92	GNS	12.05.2011	54°42	18°36	12.0	cod	no
99	KUŻ-92	GNS	12.05.2011	54°40	18°37	24.0	cod	no
100	UST-45	GNS	14.05.2011	55°19	17°02	48.0	cod	no
101	UST-45	GNS	14.05.2011	55°16	17°01	39.0	cod	no
102	UST-45	GNS	14.05.2011	55°17	17°16	45.5	cod	no
103	UST-45	GNS	14.05.2011	55°18	17°01	48.0	cod	no
104	UST-45	GNS	15.05.2011	55°15	16°52	15.0	cod	no
105	UST-45	GNS	15.05.2011	55°19	17°02	19.0	cod	no
106	UST-45	GNS	15.05.2011	55°17	17°06	24.5	cod	no
107	UST-45	GNS	15.05.2011	55°18	17°01	24.0	cod	no
108	UST-45	GNS	16.05.2011	55°15	16°52	13.0	cod	no
109	UST-45	GNS	16.05.2011	55°15	16°51	22.5	cod	no
110	UST-45	GNS	16.05.2011	55°18	16°54	24.0	cod	no
111	UST-45	GNS	16.05.2011	55°19	17°01	21.5	cod	no
112	UST-45	GNS	18.05.2011	55°15	16°52	48.0	cod	no
113	UST-45	GNS	18.05.2011	55°18	17°06	52.0	cod	no
114	UST-45	GNS	18.05.2011	55°19	17°02	50.0	cod	no
115	KOŁ-121	OTM	18.05.2011	55°04	15°33	7.0	herring,sprat	no
116	KOŁ-121	OTM	18.05.2011	55°07	15°34	7.0	herring,sprat	no
117	KOŁ-121	OTM	18.05.2011	55°02	15°35	9.0	herring,sprat	no
118	UST-45	GNS	19.05.2011	55°15	16°51	21.5	cod	no
119	UST-45	GNS	19.05.2011	55°17	16°53	23.5	cod	no
120	UST-45	GNS	19.05.2011	55°17	17°01	18.7	cod	no
121	UST-45	GNS	19.05.2011	55°17	17°06	24.6	cod	no
122	KOŁ-121	OTM	19.05.2011	55°33	15°26	5.0	herring,sprat	no
123	KOŁ-121	OTM	19.05.2011	55°37	15°28	5.0	herring,sprat	no
124	UST-45	GNS	20.05.2011	55°17	17°05	28.0	cod	no
125	UST-45	GNS	20.05.2011	55°24	17°00	17.3	cod	no
126	UST-45	GNS	20.05.2011	55°25	17°02	13.3	cod	no
127	KOŁ-121	OTM	20.05.2011	55°33	15°15	7.0	herring,sprat	no
128	KOŁ-121	OTM	20.05.2011	55°33	15°10	6.0	herring,sprat	no
129	UST-45	GNS	21.05.2011	55°17	17°06	28.0	cod	no
130	UST-45	GNS	21.05.2011	55°13	17°05	28.3	cod	no
131	UST-45	GNS	21.05.2011	55°11	17°06	23.7	cod	no
132	UST-45	GNS	21.05.2011	55°11	17°08	20.3	cod	no
133	UST-45	GNS	21.05.2011	55°10	17°10	17.0	cod	no
134	UST-45	GNS	21.05.2011	55°11	17°11	14.8	cod	no
135	UST-45	GNS	22.05.2011	55°11	17°11	23.8	cod	no
136	UST-45	GNS	22.05.2011	55°11	17°10	23.6	cod	no
137	UST-45	GNS	22.05.2011	55°11	17°09	23.3	cod	no
138	UST-45	GNS	22.05.2011	55°12	17°06	23.5	cod	no

139	UST-45	GNS	22.05.2011	55°11	17°06	17.2	cod	no
140	UST-45	GNS	24.05.2011	55°11	17°06	41.0	cod	no
141	UST-45	GNS	24.05.2011	55°11	17°09	39.0	cod	no
142	UST-45	GNS	24.05.2011	55°11	17°12	41.5	cod	no
143	UST-45	GNS	24.05.2011	55°11	17°08	42.5	cod	no
144	UST-45	GNS	25.05.2011	55°11	17°06	8.0	cod	no
145	UST-45	GNS	26.05.2011	55°11	17°06	48.0	cod	no
146	UST-45	GNS	26.05.2011	55°11	17°12	46.2	cod	no
147	UST-45	GNS	26.05.2011	55°11	17°08	56.5	cod	no
148	UST-45	GNS	26.05.2011	55°11	17°11	53.3	cod	no
149	UST-45	GNS	26.05.2011	55°11	17°09	46.0	cod	no
150	UST-45	GNS	26.05.2011	55°11	17°10	46.8	cod	no
151	UST-45	GNS	27.05.2011	55°10	17°06	21.3	cod	no
152	UST-45	GNS	27.05.2011	55°11	17°06	18.3	cod	no
153	UST-45	GNS	27.05.2011	55°11	17°09	18.5	cod	no
154	UST-45	GNS	27.05.2011	55°11	17°08	21.5	cod	no
155	UST-45	GNS	27.05.2011	55°11	17°09	18.2	cod	no
156	UST-45	GNS	27.05.2011	55°11	17°09	15.3	cod	no
157	WLA-55	GNS	31.05.2011	54°45	18°26	12.0	cod	no
158	REW-18	GNS	01.06.2011	54°37	18°29	11.0	cod	no
159	REW-18	GNS	01.06.2011	54°40	18°30	3.5	cod	no
160	WLA-55	GNS	02.06.2011	54°45	18°26	12.0	cod	no
161	SWA-9	GNS	07.06.2011	54°45	18°25	168.0	cod	no
162	SWA-9	GNS	07.06.2011	54°45	18°25	168.0	cod	no
163	SWA-9	GNS	07.06.2011	54°45	18°25	168.0	cod	no
164	SWA-9	GNS	07.06.2011	54°45	18°25	168.0	cod	no
165	HEL-150	OTM	08.06.2011	54°25	19°07	3.5	herring,sprat	no
166	HEL-150	OTM	08.06.2011	54°26	19°23	7.0	herring,sprat	no
167	HEL-150	OTM	09.06.2011	54°26	19°02	10.5	herring,sprat	no
168	JAS-81	GNS	10.06.2011	54°38	18°42	12.0	cod	no
169	JAS-81	GNS	10.06.2011	54°39	18°41	12.0	cod	no
170	JAS-81	GNS	10.06.2011	54°39	18°41	12.0	cod	no
171	JAS-81	GNS	10.06.2011	54°40	18°41	12.0	cod	no
172	JAS-81	GNS	10.06.2011	54°38	18°43	12.0	cod	no
173	HEL-150	OTM	13.06.2011	54°33	18°52	14.0	herring,sprat	no
174	HEL-150	OTM	14.06.2011	54°33	18°52	13.0	herring,sprat	no
175	HEL-150	OTM	15.06.2011	54°36	18°56	6.5	herring,sprat	no
176	HEL-150	OTM	16.06.2011	54°32	19°06	8.3	herring,sprat	no
177	HEL-150	OTM	16.06.2011	54°37	19°07	6.0	herring,sprat	no
178	HEL-150	OTM	16.06.2011	54°32	19°01	1.5	herring,sprat	no
179	HEL-150	OTM	27.06.2011	55°11	17°50	5.5	herring,sprat	no
180	HEL-150	OTM	27.06.2011	55°22	17°39	8.0	herring,sprat	no
181	HEL-150	OTM	28.06.2011	55°18	17°53	5.0	herring,sprat	no
182	HEL-150	OTM	28.06.2011	55°23	17°38	5.0	herring,sprat	no
183	HEL-150	OTM	28.06.2011	55°24	17°35	5.0	herring,sprat	no
184	WLA-55	GNS	28.06.2011	54°45	18°26	12.0	cod	no
185	KOL-121	OTM	03.07.2011	54°34	15°21	5.0	herring,sprat	no
186	HEL-150	OTM	04.07.2011	54°29	19°10	6.0	herring,sprat	no
187	HEL-150	OTM	04.07.2011	54°31	19°18	8.0	herring,sprat	no

188	KOŁ-121	OTM	04.07.2011	54°50	15°23	5.5	herring,sprat	no
189	KOŁ-121	OTM	04.07.2011	54°45	15°02	5.5	herring,sprat	no
190	KOŁ-121	OTM	04.07.2011	54°49	14°47	3.5	herring,sprat	no
191	KOŁ-121	OTM	04.07.2011	54°34	14°44	6.5	herring,sprat	no
192	KUŻ-92	GNS	04.07.2011	54°42	18°35	36.0	cod	no
193	KUŻ-92	GNS	04.07.2011	54°42	18°35	36.0	cod	no
194	HEL-150	OTM	05.07.2011	54°43	15°45	5.0	herring,sprat	no
195	HEL-150	OTM	05.07.2011	54°37	15°51	7.0	herring,sprat	no
196	KOŁ-121	OTM	05.07.2011	54°37	14°49	4.5	herring,sprat	no
197	KOŁ-121	OTM	05.07.2011	54°38	14°34	4.0	herring,sprat	no
198	KOŁ-121	OTM	05.07.2011	54°43	14°42	5.0	herring,sprat	no
199	WŁA-55	GNS	05.07.2011	54°45	18°26	12.0	cod	no
200	HEL-150	OTM	06.07.2011	54°37	15°37	5.0	herring,sprat	no
201	HEL-150	OTM	06.07.2011	54°38	15°26	7.5	herring,sprat	no
202	HEL-150	OTM	06.07.2011	54°37	15°41	8.0	herring,sprat	no
203	HEL-150	OTM	07.07.2011	54°37	15°36	7.0	herring,sprat	no
204	HEL-150	OTM	07.07.2011	54°35	15°47	4.0	herring,sprat	no
205	KOŁ-121	OTM	07.07.2011	54°48	15°14	3.5	herring,sprat	no
206	KOŁ-121	OTM	07.07.2011	54°47	15°09	6.0	herring,sprat	no
207	KOŁ-121	OTM	07.07.2011	54°38	15°10	3.5	herring,sprat	no
208	HEL-150	OTM	08.07.2011	54°35	15°36	4.0	herring,sprat	no
209	KOŁ-121	OTM	08.07.2011	54°46	15°03	6.5	herring,sprat	no
210	KOŁ-121	OTM	08.07.2011	54°39	15°03	5.5	herring,sprat	no
211	KOŁ-121	OTM	08.07.2011	54°49	14°47	5.5	herring,sprat	no
212	KUŻ-9	GNS	08.07.2011	54°41	18°35	48.0	cod	no
213	KUŻ-9	GNS	08.07.2011	54°41	18°34	48.0	cod	no
214	KUŻ-9	GNS	08.07.2011	54°40	18°34	48.0	cod	no
215	HEL-150	OTM	09.07.2011	54°53	15°57	5.5	herring,sprat	no
216	HEL-150	OTM	09.07.2011	54°48	15°51	5.0	herring,sprat	no
217	HEL-150	OTM	09.07.2011	54°49	15°52	5.0	herring,sprat	no
218	HEL-150	OTM	09.07.2011	54°46	15°54	5.0	herring,sprat	no
219	KOŁ-121	OTM	09.07.2011	54°36	14°52	5.5	herring,sprat	no
220	KOŁ-121	OTM	09.07.2011	54°33	14°48	5.5	herring,sprat	no
221	KOŁ-121	OTM	09.07.2011	54°34	15°14	5.5	herring,sprat	no
222	KOŁ-121	OTM	09.07.2011	54°41	15°06	5.0	herring,sprat	no
223	HEL-150	OTM	10.07.2011	54°50	15°59	6.0	herring,sprat	no
224	HEL-150	OTM	10.07.2011	54°55	16°06	1.5	herring,sprat	no
225	KOŁ-121	OTM	10.07.2011	54°37	15°22	4.5	herring,sprat	no
226	HEL-150	OTM	11.07.2011	54°49	16°08	6.5	herring,sprat	no
227	HEL-150	OTM	12.07.2011	54°37	15°39	5.0	herring,sprat	no
228	HEL-150	OTM	12.07.2011	54°31	15°33	5.0	herring,sprat	no
229	HEL-150	OTM	12.07.2011	54°32	15°27	5.0	herring,sprat	no
230	HEL-150	OTM	12.07.2011	54°32	15°33	6.0	herring,sprat	no
231	HEL-150	OTM	13.07.2011	54°30	15°38	5.0	herring,sprat	no
232	HEL-150	OTM	13.07.2011	54°30	15°36	5.0	herring,sprat	no
233	REW-18	GNS	15.07.2011	54°38	18°33	36.0	cod	no
234	REW-18	GNS	15.07.2011	54°39	18°33	36.0	cod	no
235	REW-18	GNS	15.07.2011	54°38	18°33	12.0	cod	no
236	WŁA-55	GNS	18.07.2011	54°45	18°25	57.0	cod	no

237	WLA-55	GNS	21.07.2011	54°45	18°25	96.0	cod	no
238	KOL-121	OTM	24.07.2011	54°36	15°28	4.0	herring,sprat	no
239	KOL-121	OTM	25.07.2011	54°35	15°37	4.5	herring,sprat	no
240	KOL-121	OTM	25.07.2011	54°37	15°56	4.5	herring,sprat	no
241	KOL-121	OTM	25.07.2011	54°37	15°55	5.0	herring,sprat	no
242	KOL-121	OTM	25.07.2011	54°36	15°51	6.0	herring,sprat	no
243	KOL-121	OTM	25.07.2011	54°40	15°59	6.0	herring,sprat	no
244	KOL-121	OTM	26.07.2011	54°49	15°58	5.0	herring,sprat	no
245	KOL-121	OTM	26.07.2011	54°45	15°53	4.5	herring,sprat	no
246	KOL-121	OTM	26.07.2011	54°48	15°59	4.0	herring,sprat	no
247	KOL-121	OTM	26.07.2011	54°55	16°06	2.0	herring,sprat	no
248	KOL-121	OTM	26.07.2011	54°50	15°50	4.0	herring,sprat	no
249	KOL-121	OTM	27.07.2011	54°55	15°50	8.0	herring,sprat	no
250	SWA-9	GNS	27.07.2011	54°44	18°23	10.0	cod	no
251	SWA-9	GNS	27.07.2011	54°44	18°24	10.0	cod	no
252	SWA-9	GNS	27.07.2011	54°44	18°24	10.0	cod	no
253	KOL-121	OTM	30.07.2011	54°31	15°21	6.0	herring,sprat	no
254	KOL-121	OTM	30.07.2011	54°36	15°16	5.5	herring,sprat	no
255	KOL-121	OTM	30.07.2011	54°40	15°04	6.0	herring,sprat	no
256	KOL-121	OTM	31.07.2011	54°36	15°16	5.0	herring,sprat	no
257	KOL-121	OTM	31.07.2011	54°40	15°12	2.5	herring,sprat	no
258	KOL-121	OTM	31.07.2011	54°34	14°48	4.5	herring,sprat	no
259	KOL-121	OTM	31.07.2011	54°37	14°32	5.5	herring,sprat	no
260	HEL-150	OTM	01.08.2011	54°40	16°18	5.5	herring,sprat	no
261	HEL-150	OTM	01.08.2011	54°24	15°42	4.5	herring,sprat	no
262	HEL-150	OTM	01.08.2011	54°29	15°34	4.0	herring,sprat	no
263	HEL-150	OTM	01.08.2011	54°28	15°30	4.5	herring,sprat	no
264	KOL-121	OTM	01.08.2011	54°47	14°43	5.0	herring,sprat	no
265	HEL-150	OTM	02.08.2011	54°28	15°29	6.0	herring,sprat	no
266	HEL-150	OTM	02.08.2011	54°29	15°33	4.5	herring,sprat	no
267	HEL-150	OTM	02.08.2011	54°33	15°28	5.0	herring,sprat	no
268	KOL-121	OTM	02.08.2011	54°49	15°40	4.5	herring,sprat	no
269	HEL-150	OTM	03.08.2011	54°34	15°59	7.0	herring,sprat	no
270	HEL-150	OTM	03.08.2011	54°35	15°36	6.0	herring,sprat	no
271	HEL-150	OTM	03.08.2011	54°54	16°04	6.5	herring,sprat	no
272	KOL-121	OTM	03.08.2011	54°34	15°38	5.0	herring,sprat	no
273	KOL-121	OTM	03.08.2011	54°35	15°43	4.6	herring,sprat	no
274	KOL-121	OTM	03.08.2011	54°33	15°56	5.0	herring,sprat	no
275	KOL-121	OTM	03.08.2011	54°52	16°00	3.5	herring,sprat	no
276	KOL-121	OTM	03.08.2011	54°48	16°09	4.0	herring,sprat	no
277	HEL-150	OTM	04.08.2011	54°47	15°55	5.5	herring,sprat	no
278	HEL-150	OTM	04.08.2011	54°50	16°03	6.0	herring,sprat	no
279	HEL-150	OTM	04.08.2011	54°51	16°00	6.0	herring,sprat	no
280	KOL-121	OTM	04.08.2011	54°47	16°01	4.0	herring,sprat	no
281	KOL-121	OTM	04.08.2011	54°48	15°55	4.0	herring,sprat	no
282	KOL-121	OTM	04.08.2011	54°50	15°54	5.0	herring,sprat	no
283	KOL-121	OTM	04.08.2011	54°58	15°54	3.5	herring,sprat	no
284	KOL-121	OTM	04.08.2011	54°55	15°49	5.0	herring,sprat	no
285	KOL-121	OTM	05.08.2011	54°56	15°53	6.5	herring,sprat	no

286	JAS-81	GNS	18.08.2011	54°41	18°37	48.0	cod	no
287	JAS-81	GNS	18.08.2011	54°41	18°36	24.0	cod	no
288	HEL-150	OTM	21.08.2011	55°04	16°37	5.0	herring,sprat	no
289	HEL-150	OTM	22.08.2011	55°11	16°45	5.5	herring,sprat	no
290	HEL-150	OTM	22.08.2011	55°08	16°37	5.0	herring,sprat	no
291	HEL-150	OTM	22.08.2011	55°04	16°35	5.0	herring,sprat	no
292	HEL-150	OTM	22.08.2011	55°09	16°59	5.0	herring,sprat	no
293	HEL-150	OTM	23.08.2011	55°12	16°56	6.0	herring,sprat	no
294	HEL-150	OTM	23.08.2011	55°13	16°51	5.0	herring,sprat	no
295	HEL-150	OTM	23.08.2011	55°11	16°31	4.5	herring,sprat	no
296	HEL-150	OTM	24.08.2011	55°11	16°32	5.0	herring,sprat	no
297	HEL-150	OTM	24.08.2011	55°12	16°44	6.5	herring,sprat	no
298	HEL-150	OTM	24.08.2011	55°05	16°32	7.0	herring,sprat	no
299	HEL-150	OTM	25.08.2011	55°11	16°31	5.5	herring,sprat	no
300	HEL-150	OTM	25.08.2011	55°11	16°30	5.0	herring,sprat	no
301	HEL-150	OTM	25.08.2011	55°20	16°30	7.0	herring,sprat	no
302	WŁA-55	GNS	11.10.2011	54°45	18°26	24.0	cod	no
303	KOŁ-5	OTM	14.10.2011	54°41	15°22	4.0	herring,sprat	no
304	KOŁ-5	OTM	14.10.2011	54°40	14°54	6.5	herring,sprat	no
305	KOŁ-5	OTM	14.10.2011	54°45	14°40	6.5	herring,sprat	no
306	KOŁ-5	OTM	15.10.2011	54°40	14°34	6.0	herring,sprat	no
307	KOŁ-5	OTM	15.10.2011	54°40	14°36	5.5	herring,sprat	no
308	KOŁ-5	OTM	15.10.2011	54°57	14°12	5.0	herring,sprat	no
309	KOŁ-5	OTM	16.10.2011	54°41	14°51	7.0	herring,sprat	no
310	KOŁ-5	OTM	16.10.2011	54°38	15°00	4.0	herring,sprat	no
311	KOŁ-5	OTM	16.10.2011	54°38	14°58	6.0	herring,sprat	no
312	MEC-2	GNS	17.10.2011	54.30	18.41	24	cod	no
313	MEC-2	GNS	17.10.2011	54.31	18.46	24	cod	no
314	MEC-2	GNS	17.10.2011	54.32	18.51	24	cod	no
315	MEC-2	GNS	17.10.2011	54.32	18.56	24	cod	no
316	WŁA-55	GNS	17.10.2011	54°45	18°27	36.0	cod	no
317	WŁA-55	GNS	17.10.2011	54°45	18°26	36.0	cod	no
318	WŁA-55	GNS	17.10.2011	54°45	18°26	36.0	cod	no
319	KOŁ-5	OTM	17.10.2011	54°31	15°41	7.0	herring,sprat	no
320	KOŁ-5	OTM	17.10.2011	54°39	15°28	5.5	herring,sprat	no
321	KOŁ-5	OTM	17.10.2011	54°29	15°27	5.5	herring,sprat	no
322	MEC-2	GNS	8.11.2011	54.33	18.48	24	cod	no
323	MEC-2	GNS	8.11.2011	54.32	18.47	24	cod	no

Annex IV

Information about birds caught in fishing nets

Alive birds



Razorbill (*Alca torda*)

Fishing vessel: UST-31

Date: 8.05.2011

Time: 19.13

Geographical position: 55°15N;
17°14E



Red-throated Loon (*Gavia stellata*)

Fishing vessel: UST-31

Date: 5.05.2011

Time: 19.36

Geographical position: 55°18N;
17°15E



Velvet Scoter (*Melanitta fusca*)

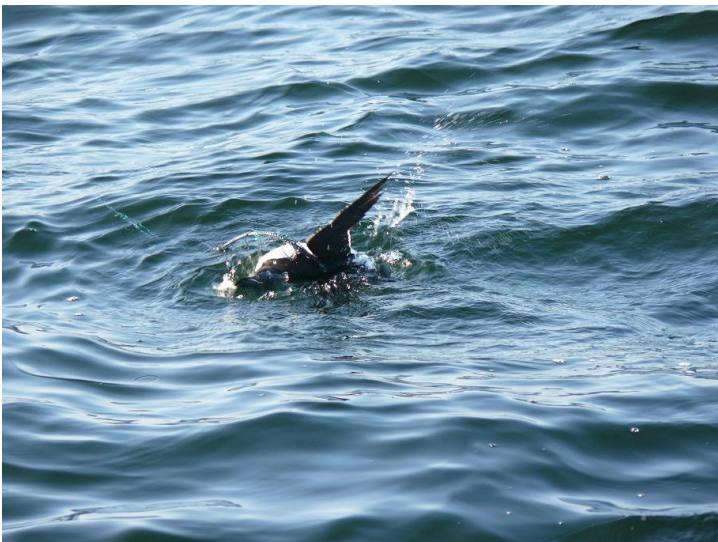
Fishing vessel: UST-31

Date: 5.05.2011

Time: 19.05

Geographical position: 55°18N;
17°09E

Dead birds



Common Murre (*Uria aalge*)

Fishing vessel: UST-31

Date: 5.05.2011

Time: 19.15

Geographical position: 55°18N;
17°11E

No photo

Common Murre (*Uria aalge*)

(2 birds)

Fishing vessel: KUŽ-92

Date: 21.04.2011

Time: 6.30

Geographical position: 54°41N;
18°36E