

# **Annual report on the implementation of Council Regulation (EC) 812/2004<sup>1</sup> - 2014**

Member State: **Poland**

Reference period: **2014**

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<sup>1</sup> Council Regulation (EC) no. 812/2004 of 26 April 2004 laying down measures concerning incidental catches of cetaceans in fisheries and amending Regulation (EC) no. 88/98.

## Abstract

In 2014 16 vessels could use pingers purchased by the Ministry of Agriculture and Rural Development in 2008 (AQUATEC AQUAmark 100). During the inspection in ports in 2014-2015, located under the jurisdiction of the Sea Fisheries Regional Inspectorate in Szczecin (OIRM) – controlling the Polish part of the ICES 24 area, no cases of absence of pingers were recorded. Ship owners of fishing vessels in ports being under the jurisdiction of OIRM Szczecin were also not punished by foreign inspection authorities for not using pingers.

In 2014 the Incidental Catches of Cetaceans Monitoring Programme was continued. In total, observations were conducted on 15 vessels above 15 m operating from 5 ports. Under the implementation of the Programme, the observers stayed at sea for 134 days, including 65 days on vessels performing catches using towed gears and 69 days at sea when catches were carried out using static gears. During each of these trips the purpose of observation were any possible cases of catching or entangling cetaceans in the net, or other sea mammals as well as sea birds and protected species of fish, such as twaite shad (*Alosa fallax*) or sturgeon (*Acipenser oxyrinchus*).

Also monitoring of catches with static gears was continued and carried out by fishing vessels with the length below 15 m (10 vessels), operating in the crucial area of the Puck Bay, which is Natura 2000 site (PLH220032), protected also owing to the presence of harbour porpoise (*Phocoena phocoena*). In 2014 11 days of observation of catches with static gears were carried out on vessels with the length below 15 m.

## Acoustic Detering Devices

### 1. General.

According to Council Regulation (EC) 812/2004, Poland is obliged to use deterring devices for cetaceans on vessels with the length equal or greater than 12 m, using bottom set gillnets or entangling nets, within marine waters in the area ICES 24.

In 2008 vessels fishing under the Polish flag received 500 pieces of pingers AQUATEC AQUAmark 100, meant especially for deterring harbour porpoise (*Phocoena phocoena*), the only species of cetacean permanently present in the Baltic Sea. In addition, in June 2010 Sea Fisheries Regional Inspectorate in Szczecin ordered, and in September 2010 received from Denmark special devices - pingers operation detectors.

In 2014 16 vessels could use the devices purchased by the Ministry of Agriculture and Rural Development a few years ago.

Interest in purchasing new devices deterring cetaceans was observed, which was expressed especially by vessels that can be found under the jurisdiction of the Sea Fisheries Regional Inspectorate in Słupsk. As a result, ship owners of fishing vessels were informed about the possibilities to purchase devices deterring cetaceans on their own.

## 1.1. Description of the fleet having pingers.

**Table 1**

Metier	Fishing Area	Total fishing effort						
		No. of vessels	% of vessels using pingers	No. of trips	Days at sea	Months of operations	Total length of nets* (km)	Total soaktime (h)
Demersalfish	27.III d.24	14	36%	128	298	January-December	3575	2484

## 2. Acoustic Detering Devices Articles 2 and 3 of Council Regulation (EC) 812/2004.

Table 2

### 2.1. Protective actions

Fleet segment	Fishing Area	% of vessels using pingers	Pinger characteristics	Other mitigation measures
GNS	27.III d.24	36%	Aquatec AQUAmark 100	No other measures

### 3. Monitoring and assessment.

#### 3.1. Monitoring and assessment of the effects of using pingers.

Owing to very low number of cetaceans in areas used for catches by vessels floating under the Polish flag in the Baltic Sea, such assessment was impossible to be performed.

#### 3.2. Report concerning the specification of inspection activities at the time of using pingers by fishermen (Article 2.4).

The use of pingers by vessels with the length of more than or equal to 12 m having permit for static gears is controlled by the Sea Fisheries Regional Inspectorate in Szczecin as well as by foreign inspection authorities during catches in subarea ICES 24, where, in accordance with Appendix I of Regulation 812/2004, the use of pingers on bottom set gillnets and entangling nets is obligatory . Pingers in the possession of the Polish fishing vessels in subarea 24 ICES are not used by these vessels in subareas 25 and 26 ICES.

Observations relating to the application of pingers take place during the inspections on catches in subarea ICES 24. They are done visually by checking the presence of pingers on nets, when pulling out the nets from water, or by the inspection of nets located aboard. In addition, during inspection of fisheries in ports, which are obliged to use pingers, the inspectors check whether the deterring devices are located on board (normally they are disconnected from the fishing nets).

To our best knowledge, fishermen have used so far only pingers of AQUATEC AQUAmark 100 type, meeting technical requirements defined in Appendix II of Regulation 812/2004.

Polish vessels very rarely fish in the Polish part of the ICES 24 square owing to the lack of efficient fisheries. Catches by means of static gears in this area are conducted usually in the German or Danish part of the ICES 24 square, in the area of the Orla sandbank.

#### 3.3. Derogation

Not applicable to Poland.

### 3.4 Comprehensive assessment.

In the case of the southern area of the Baltic Sea, where based on initial SAMBAH project results<sup>2</sup> relatively low number of harbour porpoise was observed, it is extremely difficult to evaluate the effectiveness of using pingers. However, in our opinion, the use of pingers on fishing vessels above 12 m on bottom set gillnets and entangling nets, in the ICES 24 zone should be continued.

A worrying fact may be that based on the information obtained from the Sea Regional Fisheries Inspectorates, ship owners of fishing vessels do not buy on their own devices deterring cetaceans, however more and more often they ask about such a possibility, and the Fisheries Department of the Ministry of Agriculture and Rural Development expressed readiness in an assistance at their purchase. Undoubtedly, a significant support for ship owners in an individual purchase of pingers should be the possibility to apply for financing the purchase of such devices from the EU funds, under the European Maritime and Fisheries Fund for the period 2014-2020.

The adjustment of Council Regulation (EC) 812/2004 to the requirements of the Treaty of Lisbon, and hence simplification of the expansion procedure of Appendix II of Council Regulation (EC) by the parameters of new devices deterring cetaceans, will be also helpful. This should affect not only the reduction of costs of such devices, increase in their availability, but also increase in their effectiveness and improvement in the convenience and efficiency of use.

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<sup>2</sup> Static Acoustic Monitoring of the Baltic Sea Harbour Porpoise

## Observers Programme

4. General information regarding the implementation of Articles 4 and 5 of Council Regulation (EC) 812/2004.

The Incidental Catches of Cetaceans Monitoring Programme in 2014 was implemented, as in the previous years, by the National Marine Fisheries Research Institute in Gdynia. In 2014 the programme has been carried out only for the purpose of Article 4 and 5 of Regulation 812/2004.

In total, in 2014 observations were conducted on 15 vessels with the length of more than 15 m operating from 5 ports and 10 boats below 15 m, operating from 5 ports. Under the implementation of the Programme, the observers stayed at sea for 134 days, including 65 days on vessels performing catches using towed gears and 69 days at sea when catches were carried out by means of static gears. It should be pointed out that at larger vessels the number of days at sea significantly differed from the number of days of catches. It was caused by the movement of vessels during one trip to different fishing areas.

Additionally, another year, monitoring was conducted on incidental catches of cetaceans on static gears, on coastal vessels, smaller than 15 m operating in the crucial area of the Puck Bay, which is Natura 2000 site (PLH220032), designated also owing to the presence of harbour porpoise (*Phocoena phocoena*). With regard to 69 days of observation in the sea, 11 days were on smaller vessels. These vessels used nets and anchored gill nets for fishing with mesh size smaller than 80 mm.

Both during trips of vessels above 15 meters and below 15 m, observation was made in terms of the presence and bycatch of cetaceans and other sea mammals. In addition, the Incidental Catches of Cetaceans Monitoring Programme included observing an incidental catch of sea birds and endangered species of fish such as twaite shad (*Alosa fallax*) or fish coming from the re-introduction programmes, such as sturgeon (*Acipenser oxyrinchus*).

**In none of the 65 monitored days of catches with towed gear and 69 monitored days of catches with static gears, cetaceans or other sea mammals were observed in the net.**

In catches in 2014 also no sea birds or protected species of fish, such as twaite shad (*Alosa fallax*) or sturgeon (*Acipenser oxyrinchus*) were observed.

Full report on the Incidental Catches of Cetaceans Monitoring Programme in 2014 can be found in the Appendix.

5. Monitoring.

5.1. Description of fishing effort and the presence of observers during catches with towed gear.

Table 3 Description of fishing effort and observer in towed 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	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	24	21	166	312			1	1	4			1.28%
OTM	25	78	1339	2732			8	16	51			1.87%
OTM	26	75	3179	3712			5	10	10			0.27%
OTM	27	5	6	11			0	0	0			0.00%
OTM	28	3	52	56			0	0	0			0.00%
OTM	28.2	4	27	32			0	0	0			0.00%
OTM	29	1	1	3			0	0	0			0.00%
OTM	31	1	1	1			0	0	0			0.00%

## 5.2 Description of fishing effort and the presence of observers during catches with static gears.

Table 4 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	24	7	17	56			0	0	0			0.00%
GNS	25	20	378	916			4	11	58			6.33%
GNS	26	5	26	41			0	0	0			0.00%
<i>boats</i>	26											

## 6. Estimation of incidental catches.

### 6.1. The share of incidental catches with division into segments of fleet and bycaught target species.

Table 5 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

### Observed bycatch of cetaceans with division into fishing tools.

Table 6 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	



## Observing Incidental Catches

Since the beginning of the Monitoring Programme of Incidental Catches of Cetaceans, namely since 2006, no incidental catches of cetacean while carrying out observers programme was recorded.

### 7. and 8. Discussion and conclusions.

In the case of Poland, while conducting the pilot program in the period 2006-2009 and continuing the Monitoring Programme in the years 2010-2014, no presence of cetaceans was observed, obtaining variability coefficient not exceeding 0.3, resulting from Annex III of Regulation EC 812/2004, is impossible to meet, as it would require monitoring approximately 80% of fishing effort. In connection with the above, and taking into account the previous observations and experience as well as literature data<sup>3</sup> indicating the risk of incidental catches by different kinds of fishing gears on small cetaceans in the Baltic Sea, the presence of observers proposed by us on fishing vessels during the Monitoring Programme, covered at least 6% of fishing operations of the Polish fleet in the Baltic Sea expressed by the number of days at sea for catches with static gears - nets (in subareas 25 and 26) and up to 1% of fishing operations for catches with towed gears expressed by the number of days at sea.

However, taking into account the probable future reform of the system of collecting data from fishery (Data Collection Framework) and its adjustment to the requirements of the Common Fisheries Policy, and also taking into account the provisions of the new Act on fishery at sea of 19 December 2014 (Journal of Laws 2015.222), the Incidental Catches of Cetaceans Monitoring Programme will be most likely incorporated into the Polish National Programme for Collection of Fisheries Data. This will probably be connected with the development of a new methodology and the scope of monitoring of incidental catches of cetaceans in Poland. Additionally, it is planned to start monitoring of incidental catch of sea birds to a larger extent. Vessels performing catches will be obliged to inform the Fisheries Monitoring Centre, through the system of sms notices about the cases of bycatch: of cetacean, seal, sea bird or protected fish species such as twaite shad (*Alosa fallax*) or sturgeons. Incidental catches of sea mammals and birds will need to be also recorded in catch logs. Until the end of 2015 the Ministry of Agriculture and Rural Development plans to distribute among ship owners "The key to tag birds in bycatch", which will enable recognition of incidentally caught bird species and determination of their species.

### 9. Attachment

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<sup>3</sup> 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.

# REPORT ON THE IMPLEMENTATION OF THE INCIDENTAL CATCHES OF CETACEANS MONITORING PROGRAMME IN 2014

Report drawn up to the order of the  
Ministry of Agriculture and Rural  
Development

**(Update — March 2015)**



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## 1.Introduction

Monitoring of incidental catches of cetaceans results from the implementation of the provisions of Council Regulation (EC) no. 812/2004 of 26 April 2004 (hereinafter referred to as Regulation 812/2004) laying down measures concerning incidental catches of cetaceans in fisheries and amending Regulation (EC) No. 88/98 (Official Journal of the European Union L 150 of 30 April 2004, page 12 as amended), according to which Poland was obliged to implement the Observers Programme starting on 1 January 2006

Works in the programme are planned and settled in an annual cycle, pursuant to Article 6 of Regulation 812/2004 and forwarded to the Commission until 1 June the following year. According to the requirements concerning the preparation and implementation of the Incidental Catches of Cetaceans Monitoring Programme in 2014, the National Marine Fisheries Research Institute (MIR-PIB) was obligated to deliver a report on Programme performance in time to 20 November 2014. As a result, the description of fishing effort (Appendix 2 to the Report) provided to the Client within this time concerned the period from 1 January to 21 October 2014. The present, updated version of the Report already contains complete data of fishing effort for the year 2014. Fisheries covered by observations in the course of Programme performance were selected in accordance with the forecasts based on catch activity analysis in 2013 and modified during the year on the basis of data flowing from observers and the Fishery Monitoring Centre.

The strategy of sampling to obtain variability coefficient not exceeding 0.3 is unfeasible in the Polish circumstances of catches with in the southern part of the Baltic Sea. From 2006 to 2013 the Marine Fisheries Institute under the Monitoring Programmes of Incidental Catches of Cetaceans, collected and presented the results from 1328 catch days with various kinds of tools in the course of which no porpoise presence was observed. Therefore, in accordance with the provisions (item 1 of Appendix III to Regulation 812/2004), strategy of sampling was prepared on the basis of another, existing information on the variability of previous observation of catches.

Bearing the above in mind, in 2014 monitoring of 120 catch days was deemed valid and possible to carry out, accordingly:

1. for catches conducted with towed gear - **60 days** (approximately 1% of fishing effort from 2013)
2. for catches conducted with set nets **50 days** (approximately 6% of fishing effort from 2013 throughout the term of implementation of Programme tasks)

3. for catches on boats operating in a quite crucial area in the Gdańsk Bay and the Puck Bay and Baltic waters located along the Hel peninsula – **10 days**. (*Such operation is consistent with Article 4, passage 2 of Regulation 812/2004, obliging Member States to "undertake necessary measures in order to collect scientific data concerning incidental catches of cetaceans for vessels of total length below 15m". For the needs of catch observations in terms of incidental catches of cetaceans, on vessels below 15m attention was paid also 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 method of implementation of the Programme was accepted by the Client which was the Ministry of Agriculture and Rural Development.

**The purpose of the Programme** was monitoring fishing on fishing cutters with the length equal to or exceeding 15m, fishing using bottom set gillnets with mesh gauge above 80mm and towed gears in 2014 in terms of incidental catches of cetaceans in Polish Maritime Areas.

## 2. Material and methods

Observations on board of fishing boats were conducted by the employees of MIR-PIB who were trained and familiarised with the methodology of research in terms of monitoring incidental catches of cetaceans (Appendix 1). The majority of mentioned in the appendix observers participated in the previous years in trips under the Monitoring Programmes of Incidental Catches of Cetaceans.

In total in 2014 observations were conducted on 15 vessels above 15 m of length operating from 5 ports and 10 boats from 5 ports (Table 1). Under the implementation of the Programme, the observers stayed at sea for 134 days, including 65 days on vessels performing catches using towed gears and 69 days on trips (including 11 days on vessels smaller than 15m), while catches were carried out by means of static gears (Appendix II).

As in the years 2012-2013 the number of *days at sea* differed quite significantly from the number of days on which catches were performed. It was caused by the movement of vessels during one trip to different fishing areas. The actual time of fishing activity as compared to the number of days at sea, amounted to, accordingly: for static tools (nets) – 72.4% and towed gears – 63.1% (table 2). Since Appendix II uses the formula "days at sea", therefore the same was adopted also for the time of stay at sea of observers. During each of these trips observations were conducted with regard to possible cases of catching or entangling cetaceans in the net, or other sea mammals.

On the basis of trip reports presented by observers, an analysis was conducted of the observed fishing effort using nets and towed gears in relation to catch activity of the fleet meeting the criteria of Regulation 812/2004.

**Table 1. The number of monitored fishing days with the division into vessels and the type of a fishing gear (and the length of the vessel).**

Fishing vessel		Type of catching tool		Port	ICES subarea, where observations were conducted
No.	Name	Nets (GNS)	Towed gear (OTM)		
<b><i>fishing cutters above 15 m long</i></b>					
1	HEL-150		24	Hel	25,26
2	KOŁ-121		4	Kołobrzeg	25
3	KOŁ-180		3	Kołobrzeg	25
4	KOŁ-5		6	Kołobrzeg	25
5	KOŁ-64		7	Kołobrzeg	24,25
6	UST-121	21		Ustka	25
7	UST-125	6		Ustka	25
8	UST-16	19		Ustka	25
9	UST-31		8	Ustka	25
10	UST-52	12		Ustka	25
11	WŁA-31		6	Władysławowo	25,26
12	WŁA-312		3	Władysławowo	26
13	WŁA-51		3	Władysławowo	25
14	ZAG-17		0.5	Górki Zachodnie	26
15	ZAG-27		0.5	Górki Zachodnie	26
<b><i>boats</i></b>					
1	JAS-81	1		Jastarnia	26
2	KUŻ-88	1		Kuźnica	26
3	KUŻ-92	1		Kuźnica	26
4	KUŻ-105	1		Kuźnica	26
5	MEC-8	1		Mechelinki	26
6	REW-18	2		Rewa	26
7	REW-6	1		Rewa	26
8	HEL-4	1		Hel	26
9	OKS-1	1		Gdynia Oksywie	26
10	OKS-22	1		Gdynia Oksywie	26

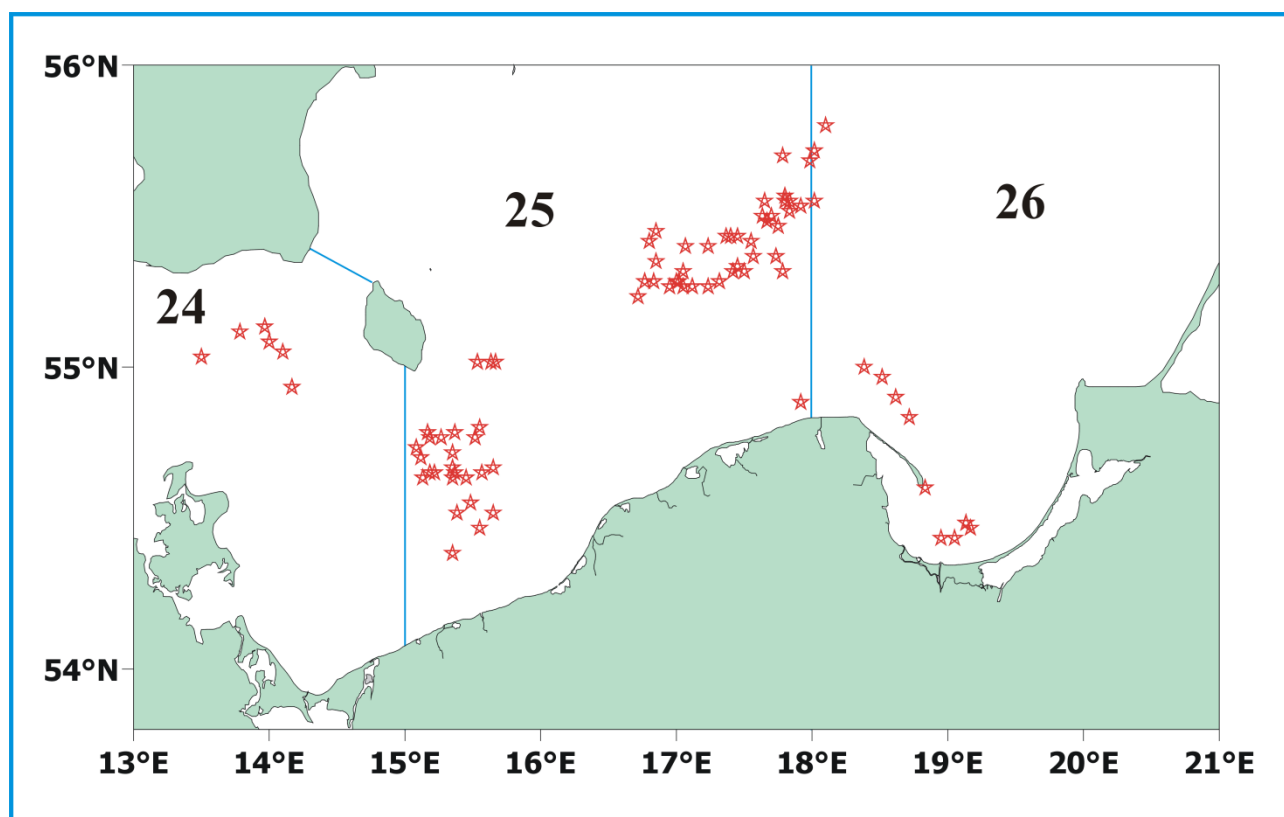
**Table 2. Percentage share of fishing days in the number of trip days**

Type of catching equipment	Number of days at sea	The number of days on which catches were performed	The share of catching days in the number of trip days
Nets (GNS)	58	42	72.41%
Towed gears (OTM)	65	41	63.08%
Boats up to 15 m	11	11	100.00%
Total	134	94	70.15%

### 3. Results

#### 3.1. Monitoring of catches with towed gears

According to Appendix III to Regulation 812/2004, monitoring of catches performed with the use of towed gears shall proceed within the area of the Baltic Sea south of 59° N in the period of the whole year and north of 59° N only in the period from 1 June to 30 September. In subdivisions ICES 24-31, in 2014 Polish fishing cutters with the length of 15 meters and more conducted catches with towed gears for 6859 days. Catches were conducted mainly in subdivisions 25 and 26, where catches lasted for 6444 days (93.9%).



**Fig. 1. The places of observation of catches with towed gear in subareas 24-26 ICES in 2014**

Total number of days during which observations were conducted amounted to 65 (the plan envisaged 60), which was 0.95% of the total number of days at sea.

In subdivision 24 observations covered 4 days, which was 1.28% of the total number of days at sea; in subdivisions 25 - 51 days (1.87%), in subdivisions 26 - 10 days - 0.27% (Appendix II). Places of catches (shoot a net position) on which observations were conducted are presented in a Figure 1, and the list of fishing operations in Appendix III.



Within 65 days of catches observation with towed gears, fishing cutters performed 85 hauls. Total trawling time amounted to 458.9 hours, and the average time of a single haul about 5.4 hours.

**In none of the 65 days of monitoring catches with towed gear cetaceans or other sea mammals were observed in the net.**

### ***3.2. Monitoring of static gears (nets)***

In 2014 Polish fishing cutters with the length of 15 metres and more performed catches using static gears (in the areas indicated in Appendix III to Regulation 812/2004), together for 1013 days (subareas ICES 24-26). The greatest fishing effort was recorded in subdivision 25, where catches with nets was conducted for 916 days (approximately 89.3%). In 2014, out of the scheduled 50 days, 58 were completed, which was 6.33% of the total number of days at sea in subdivision 25. No observations were performed in subdivision 26 due to the fact that catches of cutters with the length above 15 m using nets finished in the first quarter of 2014, that is prior to the beginning of observation under the Programme.

In addition, also 11 days of observation took place on fishing vessels in the area of the Gdańsk Bay. Such a decision was influenced by the fact that the region in which monitoring was planned (the Puck Bay) is considered the place of the most frequent presence of porpoise (Kuklik I., K. Skóra. O morświnie. "Source: Sea Station IO UG in Hel ([www.morswin.pl](http://www.morswin.pl))" and, in accordance with item 6 of the introduction to Regulation 812/2004 "should be a priority". In addition, it is the Natura 2000 site protected also owing to the presence of porpoise (*Phocoena phocoena*). Monitoring of incidental catches of cetaceans on small boats goes beyond the requirement of monitoring incidental catches of cetaceans defined by Council Regulation (EC) 812/2004.

Table 3 compares summary data on the quantity of equipment, time of its exposure in particular subdivisions and total length of nets subject to monitoring with division into particular subdivisions.

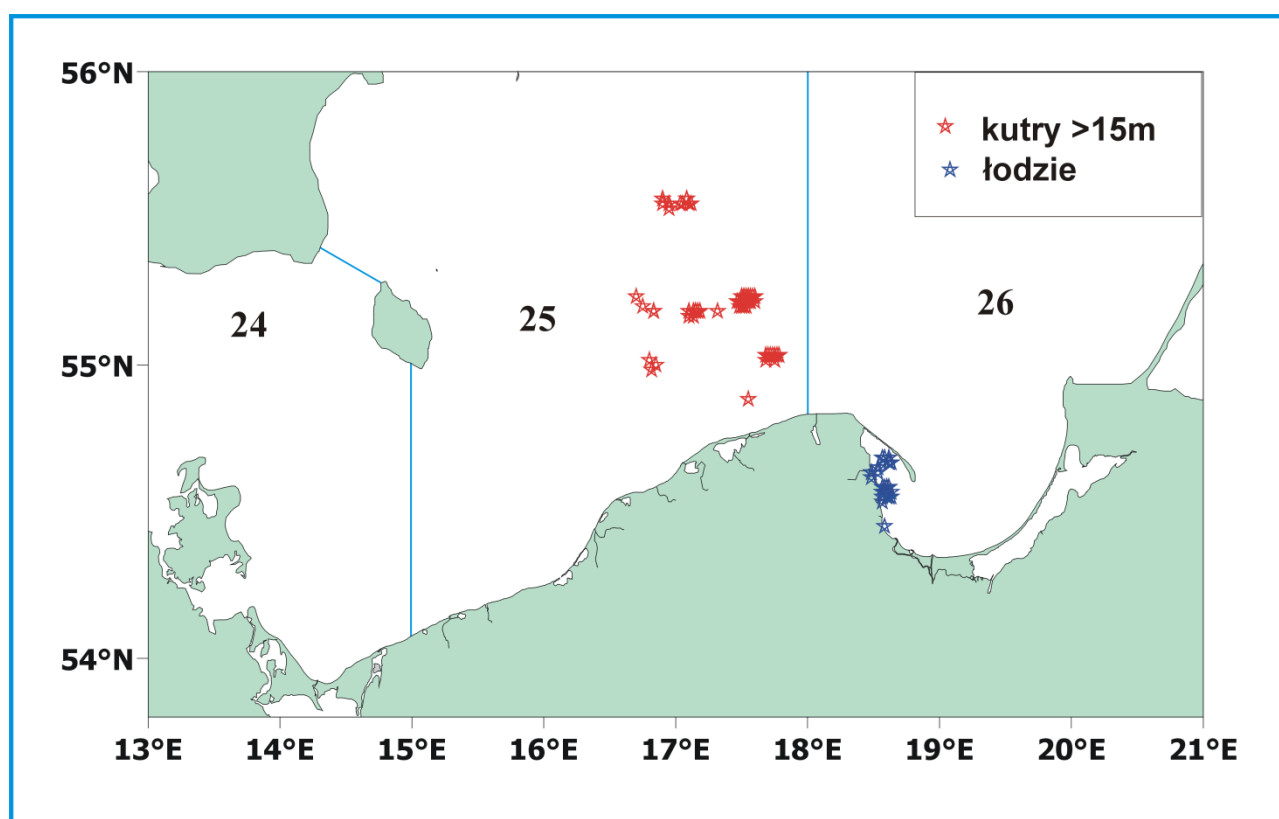
**Table 3. The number of nets, the time of exposure and their total length in the observed catches in 2014**

ICES subdivision	The number of nets in the observed catches	Total time of exposure of nets (hours)	Total length of nets in the observed catches (km)
25 <sup>*)</sup>	11 394	4 815.5	589.22
26 <sup>*)</sup>	0	0.0	0.00
Boats to 15m <sup>**)</sup>	673	2 792.5	32.35
<b>Total</b>	<b>12 067</b>	<b>7 608.0</b>	<b>621.57</b>

<sup>\*)</sup> - vessels with the length over 15 m

<sup>\*\*)</sup> - observations in the area of The Puck Bay

Entangling cetaceans in the net was observed in none of the 69 days of monitoring catches with static gears.



**Fig. 2. The places of observation of catches conducted with the use of nets in subdivisions 25-26 ICES in 2014**

## 4. Conclusions

- During monitoring (May-October) of catches with towed gears and set nets in the Baltic Sea performed by MIR-PIB in 2014, no incidental catches or entangling in the net of a cetacean or any other sea mammal was observed;
- Observations recorded no cetacean or any other sea mammals in catches conducted with nets in the waters of the Puck Bay (internal part of the Gdańsk Bay);
- In the course of observations no birds were observed in fishing nets;
- In the course of the Programme implementation, the observers did not record the presence of protected fish in catches, i.e. twaite shad. No tagged fish were found;
- Since 2006, namely since the beginning of implementation of the Incidental Catches of Cetaceans Monitoring Programme by MIR-PIB, regardless of the time, place and type of a fishing gear, no incidental catches of cetacean were observed.

## *Appendix I*

List of observers taking part in the Incidental Catches of Cetaceans Monitoring Programme in 2014.

<b>Observer</b>	<b>Position</b>
Zaporowski Radosław	Senior expert
Celmer Zuzanna	Specialist
Dziemian Łukasz	Specialist
Gaweł Władysław	Specialist
Giedrojc Łukasz	Specialist
Kisielewski Kamil	Specialist
Smoliński Szymon	Specialist
Modrzejewski Grzegorz	Senior technical employee
Deluga Wojciech	Technical employee
Jarek Tomasz	Technical employee
Nowakowski Marcin	Technical employee
Trella Stanisław	Technical employee
Wybierała Ireneusz	Technical employee

## Appendix II

Content consistent with item 4 of recommendation of the International Council of Sea Research – ICES "ACOM supplied format for National Reports for 812/2004".

### 4. At sea observer scheme

#### 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	24	7	17	56			0	0	0			0.00%
GNS	25	20	378	916			4	11	58			6.33%
GNS	26	5	26	41			0	0	0			0.00%
<i>boats</i>	26											

**Table 3b.** Description of fishing effort and observer in towed 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	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	24	21	166	312			1	1	4			1.28%
OTM	25	78	1339	2732			8	16	51			1.87%
OTM	26	75	3179	3712			5	10	10			0.27%
OTM	27	5	6	11			0	0	0			0.00%
OTM	28	3	52	56			0	0	0			0.00%
OTM	28.2	4	27	32			0	0	0			0.00%
OTM	29	1	1	3			0	0	0			0.00%
OTM	31	1	1	1			0	0	0			0.00%

#### Recording of bycatch

No case of entangling of cetaceans in fishing nets in the course of the conducted observations was recorded

#### 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	

### Attachment III

List of fishing operations covered by observations carried out under the Incidental Catches of Cetaceans Monitoring Programme (shoot a net position) OTM – pelagic trawl; GNS – bottom-set gillnets (gillnets)

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
1	KOŁ-5	OTM	2014-05-08	55°01	15°32	240	sprat, herring	0
2	KOŁ-5	OTM	2014-05-08	55°01	15°40	210	sprat, herring	0
3	KOŁ-5	OTM	2014-05-08	55°01	15°38	240	sprat, herring	0
4	HEL-150	OTM	2014-05-08	55°19	17°30	240	sprat, herring	0
5	HEL-150	OTM	2014-05-08	55°20	17°27	240	sprat, herring	0
6	HEL-150	OTM	2014-05-08	55°16	17°07	270	sprat, herring	0
7	HEL-150	OTM	2014-05-14	55°17	17°19	240	sprat, herring	0
8	HEL-150	OTM	2014-05-14	55°19	17°25	270	sprat, herring	0
9	HEL-150	OTM	2014-05-14	55°22	17°44	240	sprat, herring	0
10	KOŁ-64	OTM	2014-05-08	54°33	15°29	300	sprat, herring	0
11	KOŁ-64	OTM	2014-05-09	54°48	15°33	300	sprat, herring	0
12	KOŁ-64	OTM	2014-05-09	54°46	15°31	300	sprat, herring	0
13	KOŁ-64	OTM	2014-05-09	54°46	15°11	180	sprat, herring	0
14	HEL-150	OTM	2014-05-18	55°16	16°57	240	sprat, herring	0
15	HEL-150	OTM	2014-05-18	55°14	16°43	270	sprat, herring	0
16	HEL-150	OTM	2014-05-18	55°21	16°51	240	sprat, herring	0
17	UST-31	OTM	2014-05-14	55°16	17°03	450	sprat, herring	0
18	UST-31	OTM	2014-05-14	55°22	17°34	430	sprat, herring	0
19	UST-31	OTM	2014-05-15	55°16	17°14	315	sprat, herring	0
20	UST-31	OTM	2014-05-15	55°17	17°00	300	sprat, herring	0
21	UST-31	OTM	2014-05-19	55°17	17°01	445	sprat, herring	0
22	UST-31	OTM	2014-05-19	55°19	17°03	405	sprat, herring	0
23	UST-31	OTM	2014-05-20	55°17	16°50	420	sprat, herring	0
24	UST-31	OTM	2014-05-20	55°17	16°46	360	sprat, herring	0
25	KOŁ-180	OTM	2014-05-20	54°39	15°22	360	sprat, herring	0
26	KOŁ-180	OTM	2014-05-20	54°46	15°16	420	sprat, herring	0
27	KOŁ-180	OTM	2014-05-20	54°44	15°05	560	sprat, herring	0
28	KOŁ-180	OTM	2014-05-21	54°43	15°21	360	sprat, herring	0
29	KOŁ-180	OTM	2014-05-21	54°47	15°22	360	sprat, herring	0
30	WŁA-31	OTM	2014-05-21	55°19	17°47	600	sprat, herring	0
31	WŁA-31	OTM	2014-05-21	55°28	17°45	600	sprat, herring	0
32	UST-121	GNS	2014-05-21	54°59	16°49	2880	cod	0
33	UST-121	GNS	2014-05-21	55°00	16°51	2880	cod	0
34	UST-121	GNS	2014-05-23	55°12	16°45	1440	cod	0
35	UST-121	GNS	2014-05-24	55°01	16°48	1440	cod	0
36	UST-121	GNS	2014-05-24	55°14	16°42	1440	cod	0
37	KOŁ-64	OTM	2014-05-14	54°56	14°10	300	sprat, herring	0
38	KOŁ-64	OTM	2014-05-14	55°07	13°47	300	sprat, herring	0
39	KOŁ-64	OTM	2014-05-14	55°08	13°58	300	sprat, herring	0
40	KOŁ-64	OTM	2014-05-15	55°03	14°06	420	sprat, herring	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
41	KOŁ-64	OTM	2014-05-15	55°05	14°00	300	sprat, herring	0
42	KOŁ-64	OTM	2014-05-15	55°02	13°30	210	sprat, herring	0
43	UST-16	GNS	2014-05-19	55°10	17°08	720	cod	0
44	UST-16	GNS	2014-05-20	55°11	17°19	600	cod	0
45	UST-16	GNS	2014-05-21	55°11	17°08	600	cod	0
46	UST-16	GNS	2014-05-22	55°11	17°09	720	cod	0
47	UST-16	GNS	2014-05-25	55°11	17°10	900	cod	0
48	UST-16	GNS	2014-05-26	55°11	17°09	780	cod	0
49	KOŁ-121	OTM	2014-05-30	54°39	15°34	360	sprat, herring	0
50	KOŁ-121	OTM	2014-05-30	54°40	15°39	300	sprat, herring	0
51	KOŁ-121	OTM	2014-05-30	54°40	15°21	360	sprat, herring	0
52	KOŁ-121	OTM	2014-05-30	54°47	15°10	360	sprat, herring	0
53	KOŁ-121	OTM	2014-05-31	54°38	15°27	330	sprat, herring	0
54	KOŁ-121	OTM	2014-05-31	54°42	15°24	420	sprat, herring	0
55	KOŁ-121	OTM	2014-05-31	54°39	15°07	420	sprat, herring	0
56	KOŁ-121	OTM	2014-06-01	54°38	15°13	360	sprat, herring	0
57	WŁA-312	OTM	2014-06-04	54°53	16°03	450	sprat, herring	0
58	WŁA-312	OTM	2014-06-05	55°32	17°55	480	sprat, herring	0
59	WŁA-51	OTM	2014°06°04	54°36	18°50	120	sprat, herring	0
60	WŁA-51	OTM	2014°06°04	54°26	18°57	180	sprat, herring	0
61	WŁA-51	OTM	2014°06°05	54°28	19°10	360	sprat, herring	0
62	WŁA-51	OTM	2014°06°06	54°26	19°03	360	sprat, herring	0
63	UST-121	GNS	2014°06°04	55°11	16°50	2040	cod	0
64	UST-121	GNS	2014°06°05	55°11	16°50	1440	cod	0
65	UST-121	GNS	2014°06°05	55°11	16°50	1440	cod	0
66	UST-121	GNS	2014°06°05	55°11	16°50	1440	cod	0
67	UST-121	GNS	2014°06°06	55°11	16°50	1440	cod	0
68	UST-121	GNS	2014°06°06	55°11	16°50	1440	cod	0
69	UST-121	GNS	2014°06°06	55°11	16°50	1440	cod	0
70	UST-121	GNS	2014°06°07	55°11	16°50	1440	cod	0
71	UST-121	GNS	2014°06°07	55°11	16°50	1440	cod	0
72	UST-121	GNS	2014°06°07	55°11	16°50	1440	cod	0
73	UST-121	GNS	2014°06°07	55°11	16°50	1440	cod	0
74	UST-121	GNS	2014°06°07	55°11	16°50	1440	cod	0
75	UST-121	GNS	2014°06°08	55°11	16°50	1440	cod	0
76	KOŁ-5	OTM	2014°06°09	54°28	15°33	270	sprat, herring	0
77	KOŁ-5	OTM	2014°06°09	54°38	15°21	300	sprat, herring	0
78	KOŁ-5	OTM	2014°06°09	54°39	15°11	330	sprat, herring	0
79	KOŁ-5	OTM	2014°06°09	54°31	15°23	360	sprat, herring	0
80	KOŁ-5	OTM	2014°06°10	54°23	15°21	300	sprat, herring	0
81	KOŁ-5	OTM	2014°06°10	54°31	15°39	360	sprat, herring	0
82	UST-52	GNS	2014°06°11	55°12	17°31	3405	cod	0
83	UST-52	GNS	2014°06°11	55°14	17°32	3360	cod	0
84	UST-52	GNS	2014°06°11	55°12	17°32	3350	cod	0
85	UST-52	GNS	2014°06°11	55°14	17°33	3345	cod	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
86	UST-52	GNS	2014°06°11	55°13	17°33	3340	cod	0
87	UST-52	GNS	2014°06°11	55°12	17°31	3330	cod	0
88	UST-52	GNS	2014°06°13	55°14	17°31	3050	cod	0
89	UST-52	GNS	2014°06°13	55°14	17°32	3170	cod	0
90	UST-52	GNS	2014°06°13	55°13	17°31	2750	cod	0
91	UST-52	GNS	2014°06°13	55°13	17°31	2775	cod	0
92	UST-52	GNS	2014°06°14	55°14	17°32	3345	cod	0
93	UST-52	GNS	2014°06°14	55°13	17°33	3280	cod	0
94	UST-52	GNS	2014°06°14	55°14	17°31	3310	cod	0
95	UST-52	GNS	2014°06°15	55°13	17°31	2580	cod	0
96	UST-52	GNS	2014°06°15	55°13	17°31	2595	cod	0
97	UST-52	GNS	2014°06°15	55°13	17°31	2565	cod	0
98	UST-52	GNS	2014°06°15	55°13	17°32	2670	cod	0
99	UST-52	GNS	2014°06°15	55°14	17°32	2665	cod	0
100	UST-52	GNS	2014°06°15	55°14	17°33	2615	cod	0
101	UST-52	GNS	2014°06°15	55°14	17°33	2240	cod	0
102	UST-52	GNS	2014°06°21	55°13	17°31	3945	cod	0
103	UST-52	GNS	2014°06°21	55°12	17°32	3990	cod	0
104	UST-52	GNS	2014°06°21	55°13	17°31	4050	cod	0
105	UST-52	GNS	2014°06°21	55°12	17°31	4160	cod	0
106	UST-52	GNS	2014°06°21	55°13	17°32	4220	cod	0
107	UST-52	GNS	2014°06°21	55°12	17°32	4385	cod	0
108	UST-52	GNS	2014°06°21	55°13	17°33	4275	cod	0
109	UST-52	GNS	2014°06°21	55°13	17°34	4427	cod	0
110	UST-52	GNS	2014°06°23	55°13	17°31	3010	cod	0
111	UST-52	GNS	2014°06°23	55°14	17°31	3015	cod	0
112	UST-52	GNS	2014°06°23	55°14	17°31	3105	cod	0
113	UST-52	GNS	2014°06°23	55°14	17°31	2920	cod	0
114	UST-52	GNS	2014°06°23	55°14	17°34	3120	cod	0
115	UST-52	GNS	2014°06°23	55°14	17°33	2945	cod	0
116	UST-52	GNS	2014°06°23	55°14	17°35	3070	cod	0
117	UST-52	GNS	2014°06°23	55°13	17°34	2320	cod	0
118	UST-52	GNS	2014°06°24	55°14	17°31	1345	cod	0
119	UST-52	GNS	2014°06°24	55°14	17°31	2030	cod	0
120	UST-52	GNS	2014°06°24	55°14	17°32	2075	cod	0
121	UST-52	GNS	2014°06°24	55°14	17°32	1630	cod	0
122	UST-52	GNS	2014°06°25	55°14	17°32	2195	cod	0
123	UST-52	GNS	2014°06°25	55°14	17°31	2175	cod	0
124	UST-52	GNS	2014°06°25	55°14	17°35	2290	cod	0
125	UST-52	GNS	2014°06°25	55°14	17°34	2030	cod	0
126	UST-52	GNS	2014°06°25	55°14	17°31	1340	cod	0
127	UST-125	GNS	2014°06°21	55°14	17°30	3300	cod	0
128	UST-125	GNS	2014°06°21	55°14	17°30	3300	cod	0
129	UST-125	GNS	2014°06°21	55°14	17°30	3300	cod	0
130	UST-125	GNS	2014°06°21	55°14	17°30	3300	cod	0



No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
131	UST-125	GNS	2014°06°21	55°14	17°31	3300	cod	0
132	UST-125	GNS	2014°06°21	55°14	17°30	3240	cod	0
133	UST-125	GNS	2014°06°22	55°13	17°28	1860	cod	0
134	UST-125	GNS	2014°06°22	55°13	17°29	1860	cod	0
135	UST-125	GNS	2014°06°22	55°13	17°30	1860	cod	0
136	UST-125	GNS	2014°06°22	55°13	17°30	1860	cod	0
137	UST-125	GNS	2014°06°22	55°13	17°30	1860	cod	0
138	UST-125	GNS	2014°06°22	55°13	17°32	1860	cod	0
139	UST-125	GNS	2014°06°23	55°13	17°34	2340	cod	0
140	UST-125	GNS	2014°06°23	55°12	17°30	2340	cod	0
141	UST-125	GNS	2014°06°23	55°13	17°28	1465	cod	0
142	UST-125	GNS	2014°06°23	55°12	17°29	1395	cod	0
143	UST-125	GNS	2014°06°23	55°12	17°30	1350	cod	0
144	UST-125	GNS	2014°06°23	55°13	17°34	1465	cod	0
145	UST-125	GNS	2014°06°23	55°13	17°34	1400	cod	0
146	UST-125	GNS	2014°06°23	55°13	17°34	1440	cod	0
147	UST-125	GNS	2014°06°24	55°14	17°36	1335	cod	0
148	UST-125	GNS	2014°06°24	55°13	17°36	1300	cod	0
149	UST-125	GNS	2014°06°24	55°13	17°30	1920	cod	0
150	UST-125	GNS	2014°06°24	55°13	17°30	1920	cod	0
151	UST-125	GNS	2014°06°24	55°12	17°30	1920	cod	0
152	UST-125	GNS	2014°06°24	55°13	17°34	1400	cod	0
153	UST-125	GNS	2014°06°25	55°13	17°34	1400	cod	0
154	UST-125	GNS	2014°06°25	55°14	17°36	1200	cod	0
155	UST-125	GNS	2014°06°25	55°14	17°36	1200	cod	0
156	UST-16	GNS	2014°06°16	55°11	17°06	1050	cod	0
157	UST-16	GNS	2014°06°16	55°11	17°08	1290	cod	0
158	UST-16	GNS	2014°06°16	55°11	17°09	1440	cod	0
159	UST-16	GNS	2014°06°16	55°11	17°10	1500	cod	0
160	UST-16	GNS	2014°06°17	55°11	17°11	2260	cod	0
161	UST-16	GNS	2014°06°17	55°11	17°06	1350	cod	0
162	UST-16	GNS	2014°06°17	55°11	17°08	1435	cod	0
163	UST-16	GNS	2014°06°17	55°11	17°09	1410	cod	0
164	UST-16	GNS	2014°06°18	55°11	17°10	2130	cod	0
165	UST-16	GNS	2014°06°18	55°11	17°11	1350	cod	0
166	UST-16	GNS	2014°06°18	55°10	17°06	1155	cod	0
167	UST-16	GNS	2014°06°18	55°10	17°08	1260	cod	0
168	UST-16	GNS	2014°06°18	55°11	17°09	1260	cod	0
169	WŁA-31	OTM	2014°07°14	55°00	18°23	480	sprat, herring	0
170	WŁA-31	OTM	2014°07°17	54°50	18°43	390	sprat, herring	0
171	WŁA-31	OTM	2014°07°21	54°54	18°37	330	sprat, herring	0
172	WŁA-31	OTM	2014°07°24	54°58	18°31	300	sprat, herring	0
173	HEL-150	OTM	2014°09°01	55°33	17°48	300	sprat, herring	0
174	HEL-150	OTM	2014°09°01	55°42	17°47	360	sprat, herring	0
175	HEL-150	OTM	2014°09°02	55°33	17°50	240	sprat, herring	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
176	HEL-150	OTM	2014°09°02	55°26	17°27	240	sprat, herring	0
177	HEL-150	OTM	2014°09°02	55°26	17°24	300	sprat, herring	0
178	HEL-150	OTM	2014°09°03	55°25	17°33	300	sprat, herring	0
179	HEL-150	OTM	2014°09°03	55°29	17°40	360	sprat, herring	0
180	HEL-150	OTM	2014°09°04	55°24	17°04	240	sprat, herring	0
181	HEL-150	OTM	2014°09°04	55°25	16°48	240	sprat, herring	0
182	HEL-150	OTM	2014°09°07	55°24	17°14	240	sprat, herring	0
183	HEL-150	OTM	2014°09°07	55°27	16°51	300	sprat, herring	0
184	HEL-150	OTM	2014°09°07	55°26	17°22	300	sprat, herring	0
185	HEL-150	OTM	2014°09°07	55°30	17°42	360	sprat, herring	0
186	HEL-150	OTM	2014°09°08	55°33	18°01	270	sprat, herring	0
187	REW-6	GNS	2014°09°09	54°37	18°29	600	cod	0
188	REW-6	GNS	2014°09°09	54°38	18°29	600	cod	0
189	REW-6	GNS	2014°09°09	54°39	18°32	780	cod	0
190	REW-6	GNS	2014°09°09	54°39	18°32	810	cod	0
191	ZAG-17	PTM	2014-09-05	54°29	19°08	360	sprat, herring	0
192	ZAG-27	PTM	2014-09-05	54°29	19°08		sprat, herring	0
193	REW-18	GNS	2014-09-09	54°39	18°32	720	cod	0
194	REW-18	GNS	2014-09-09	54°39	18°32	720	cod	0
195	REW-18	GNS	2014-09-09	54°39	18°32	720	cod	0
196	REW-18	GNS	2014-09-09	54°38	18°29	720	cod	0
197	MEC-8	GNS	2014-09-18	54°35	18°34	1440	cod	0
198	MEC-8	GNS	2014-09-18	54°35	18°35	1440	cod	0
199	MEC-8	GNS	2014-09-18	54°34	18°35	1440	cod	0
200	MEC-8	GNS	2014-09-18	54°34	18°35	1440	cod	0
201	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
202	MEC-8	GNS	2014-09-18	54°35	18°37	1440	cod	0
203	MEC-8	GNS	2014-09-18	54°34	18°38	1440	cod	0
204	MEC-8	GNS	2014-09-18	54°34	18°38	1440	cod	0
205	MEC-8	GNS	2014-09-18	54°35	18°37	1440	cod	0
206	MEC-8	GNS	2014-09-18	54°35	18°37	1440	cod	0
207	MEC-8	GNS	2014-09-18	54°35	18°37	1440	cod	0
208	MEC-8	GNS	2014-09-18	54°35	18°37	1440	cod	0
209	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
210	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
211	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
212	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
213	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
214	MEC-8	GNS	2014-09-18	54°35	18°36	1440	cod	0
215	HEL-150	OTM	2014-09-10	55°29	17°40	300	sprat, herring	0
216	HEL-150	OTM	2014-09-10	55°31	17°50	300	sprat, herring	0
217	HEL-150	OTM	2014-09-10	55°34	17°48	240	sprat, herring	0
218	HEL-150	OTM	2014-09-11	55°30	17°38	360	sprat, herring	0
219	HEL-150	OTM	2014-09-11	55°33	17°39	270	sprat, herring	0
220	JAS-81	GNS	2014-09-18	54°40	18°37	1440	cod	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
221	JAS-81	GNS	2014-09-18	54°40	18°37	1440	cod	0
222	JAS-81	GNS	2014-09-18	54°40	18°37	1440	cod	0
223	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
224	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
225	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
226	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
227	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
228	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
229	JAS-81	GNS	2014-09-18	54°40	18°38	1440	cod	0
230	HEL-150	OTM	2014-09-29	55°48	18°06	300	sprat, herring	0
231	HEL-150	OTM	2014-09-29	55°43	18°01	300	sprat, herring	0
232	HEL-150	OTM	2014-09-29	55°41	17°59	300	sprat, herring	0
233	HEL-150	OTM	2014-09-30	56°08	18°16	240	sprat, herring	0
234	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
235	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
236	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
237	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
238	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
239	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
240	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
241	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
242	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
243	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
244	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
245	KUŽ-105	GNS	2014-10-03	54°41	18°35	1440	cod	0
246	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
247	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
248	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
249	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
250	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
251	KUŽ-105	GNS	2014-10-03	54°41	18°34	1440	cod	0
252	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
253	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
254	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
255	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
256	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
257	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
258	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
259	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
260	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
261	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
262	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
263	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
264	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
265	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
266	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
267	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
268	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
269	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
270	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
271	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
272	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
273	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
274	KUŽ-105	GNS	2014-10-03	54°40	18°34	1440	cod	0
275	KUŽ-105	GNS	2014-10-03	54°40	18°35	1440	cod	0
276	KUŽ-105	GNS	2014-10-03	54°42	18°36	1440	cod	0
277	KUŽ-105	GNS	2014-10-03	54°40	18°36	1440	cod	0
278	KUŽ-105	GNS	2014-10-03	54°40	18°37	1440	cod	0
279	KUŽ-105	GNS	2014-10-03	54°40	18°37	1440	cod	0
280	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
281	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
282	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
283	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
284	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
285	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
286	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
287	KUŽ-88	GNS	2014-10-03	54°40	18°34	1440	cod	0
288	KUŽ-88	GNS	2014-10-03	54°42	18°34	1440	cod	0
289	KUŽ-88	GNS	2014-10-03	54°42	18°34	1440	cod	0
290	KUŽ-88	GNS	2014-10-03	54°42	18°34	1440	cod	0
291	KUŽ-88	GNS	2014-10-03	54°42	18°34	1440	cod	0
292	KUŽ-88	GNS	2014-10-03	54°42	18°34	1440	cod	0
293	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
294	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
295	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
296	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
297	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
298	KUŽ-88	GNS	2014-10-03	54°42	18°35	1440	cod	0
299	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
300	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
301	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
302	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
303	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
304	KUŽ-88	GNS	2014-10-03	54°40	18°35	1440	cod	0
305	UST-121	GNS	2014-10-11	55°33	16°57	1440	cod	0
306	UST-121	GNS	2014-10-11	55°32	16°57	1440	cod	0
307	UST-121	GNS	2014-10-11	55°33	16°57	1440	cod	0
308	UST-121	GNS	2014-10-11	55°33	17°03	1440	cod	0
309	UST-121	GNS	2014-10-12	55°34	16°54	1440	cod	0
310	UST-121	GNS	2014-10-12	55°33	16°57	1440	cod	0

No	Ship	Net code	Date	Latitude	Longitude	Haul duration	Main catch	Bycatch of cetaceans
311	UST-121	GNS	2014-10-12	55°33	16°54	1440	cod	0
312	UST-121	GNS	2014-10-12	55°33	16°57	1440	cod	0
313	UST-121	GNS	2014-10-13	55°34	16°54	1440	cod	0
314	UST-121	GNS	2014-10-13	55°33	17°06	1440	cod	0
315	UST-121	GNS	2014-10-13	55°33	17°02	1440	cod	0
316	UST-121	GNS	2014-10-13	55°33	17°07	1140	cod	0
317	UST-121	GNS	2014-10-14	55°34	17°05	1140	cod	0
318	UST-121	GNS	2014-10-14	55°34	17°05	1080	cod	0
319	UST-121	GNS	2014-10-14	55°34	17°05	1080	cod	0
320	KUŻ-92	GNS	2014-07-08	54°41	18°37	720	cod	0
321	KUŻ-92	GNS	2014-07-08	54°41	18°37	1440	cod	0
322	REW-18	GNS	2014-06-12	54°38	18°29	720	cod	0
323	REW-18	GNS	2014-06-12	54°38	18°32	720	cod	0
324	HEL-4	GNS	2014-10-29	54°27	18°35	1320	cod	0
325	OKS-1	GNS	2014-10-10	54°32	18°34	1440	cod	0
326	OKS-1	GNS	2014-10-10	54°33	18°37	1440	cod	0
327	OKS-1	GNS	2014-10-10	54°33	18°38	1440	cod	0
328	OKS-1	GNS	2014-10-10	54°34	18°35	1440	cod	0
329	OKS-1	GNS	2014-10-10	54°34	18°34	1440	cod	0
330	OKS-22	GNS	2014-10-16	54°33	18°34	1440	cod	0
331	OKS-22	GNS	2014-10-16	54°34	18°34	1440	cod	0
332	OKS-22	GNS	2014-10-16	54°33	18°36	1440	cod	0
333	OKS-22	GNS	2014-10-16	54°33	18°37	1440	cod	0
334	OKS-22	GNS	2014-10-16	54°34	18°34	1440	cod	0
335	UST-16	GNS	2014-10-28	54°53	17°33	1920	cod	0
336	UST-16	GNS	2014-10-28	55°01	17°45	1680	cod	0
337	UST-16	GNS	2014-10-28	55°02	17°41	1440	cod	0
338	UST-16	GNS	2014-10-28	55°02	17°45	1200	cod	0
339	UST-16	GNS	2014-10-29	55°02	17°44	1620	cod	0
340	UST-16	GNS	2014-10-29	55°02	17°41	1680	cod	0
341	UST-16	GNS	2014-10-29	55°01	17°45	1620	cod	0
342	UST-16	GNS	2014-10-30	55°02	17°47	2100	cod	0
343	UST-16	GNS	2014-10-30	55°02	17°46	1080	cod	0
344	UST-16	GNS	2014-10-30	55°02	17°42	1140	cod	0
345	UST-16	GNS	2014-10-31	55°02	17°47	1740	cod	0
346	UST-16	GNS	2014-10-31	55°01	17°41	1260	cod	0
347	UST-16	GNS	2014-10-31	55°02	17°43	1320	cod	0
348	UST-16	GNS	2014-10-31	55°02	17°47	1260	cod	0