

Spain. Progress report on cetacean research, April 2008 to March 2009, with statistical data for the *calendar year* 2008

COMPILED BY SANTIAGO LENS¹ JAVIER PANTOJA² AND RENAUD DE STEPHANIS³

¹Spanish Institute of Oceanography, Oceanographic Centre of Vigo, Ministry of Science and Innovation. Apdo. 1552. E-36200 Vigo.

²Ministry of Environment and Rural and Marine Affairs. General Directorate for Sustainability of the Coast. Plaza San Juan de la Cruz,s/n. E-28071. Madrid

³CIRCE, Conservation, Information and Research on Cetaceans, Cabeza de Manzaneda 3, Algeciras. E-11390 Cádiz.

This report summarises information obtained from:

Name of agency/institute	Abbreviation (use in rest of report)	Contact e-mail address
Alnitak Marine Research Center	Alnitak	anacandas@alnitak.info
Asociación de Naturalistas del Sureste	ANSE	jlmurcia@asociacionanse.org
AZTI-Tecnalia Foundation	AZTI-Tecnalia	aiuriarte@azti.es
Consejería de Medio Ambiente de Murcia	CMAM	
Conservation, Information and Research on Cetaceans	CIRCE	renaud@stephanis.org
Coordinadora para o Estudio dos Mamíferos Mariños	CEMMA	cemma@arrakis.es
Dirección Xeral de Conservación da Natureza, Xunta de Galicia	DXCN	DXCN@xunta.es jesus.santamarina.fernandez@xunta.es
Fundación CRAM	CRAM	ferran@cram.org
Fundación para la Protección de los Cetáceos Atlánticos	FPCA	stenella@terra.es
Instituto Español de Oceanografía	IEO	s.lens@vi.ieo.es ; m.b.santos@vi.ieo.es
Turmares	Turmares	eandreu@turmares.com
Universidad de Valencia, Conselleria de Medio Ambiente (Generalitat Valenciana)	UV & GV	toni.raga@uv.es ; jimenez_juaper@gva.es

1. SPECIES AND STOCKS STUDIED

IWC common name	IWC recommended scientific name	Area/stock(s)	Items referred to
Fin whale	<i>Balaenoptera physalus</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.1, 2.1.2, 4.1, 4.3, 6.3.1, 8
Minke whale	<i>Balaenoptera acutorostrata</i>	Northern Spain	4.2, 4.3, 6.3.2, 8
Humpback whale	<i>Megaptera novaeangliae</i>	Northern Spain	6.3.2, 8
Sperm whale	<i>Physeter macrocephalus</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.1, 2.2, 4.1, 4.3, 6.3, 8
Killer whale	<i>Orcinus orca</i>	Northern Spain and Spanish Mediterranean	2.1.2, 2.2, 3.1

Cuvier's beaked whale	<i>Ziphius cavirostris</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1, 2.2, 6.3, 8
Sowerby's beaked whale	<i>Mesoplodon bidens</i>	Northern Spain	2.1
Long-finned pilot whale	<i>Globicephala melas</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.1, 2.2, 3.1.1, 4.3, 7.3.2, 8
Risso's dolphin	<i>Grampus griseus</i>	Northern Spain and Spanish Mediterranean	2.1.1, 2.1.2, 3.1.1, 4.1, 4.3, 7.3, 8
Bottlenose dolphin	<i>Tursiops truncatus</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.1, 2.1.2, 2.2, 3.1.1, 4.1, 4.3, 7.3, 87.3.2, 8
Common dolphin	<i>Delphinus delphis</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.1, 2.1.2, 2.2, 3.1.1, 4.1, 4.3, 7.3.2, 8
Striped dolphin	<i>Stenella coeruleoalba</i>	Northern Spain, Southern Spain and Spanish Mediterranean	2.1.2, 4.1, 4.3, 7.3, 8
Harbour porpoise	<i>Phocoena phocoena</i>	Northern Spain	2.1.1, 2.1.2, 2.2

2. SIGHTINGS DATA

2.1 Field work

2.1.1 Systematic

Northern Spain

DXCN: Land-based surveys from 30 observations points along the coast are being carried by the Galician Land-based Sightings Network out since 1998 in the Galician coast (NW Spain).

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	03/08/08	Northwest Spain	1	DXCN (2009)
Long-finned pilot whale	01/01/08 – 31/12/08	Northwest Spain	1	DXCN (2009)
Bottlenose dolphin	01/01/08 – 31/12/08	Northwest Spain	52	DXCN (2009)
Common dolphin	01/01/08 – 31/12/08	Northwest Spain	20	DXCN (2009)
Harbour porpoise	01/01/08 – 31/12/08	Northwest Spain	13	DXCN (2009)

During 2008 23 transects (1594,9 km) were performed from ship-based sightings along the Galician coast.

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale		Northwest Spain	1	DXCN (2009)
Risso's dolphin	01/01/08 – 31/12/08	Northwest Spain	1	DXCN (2009)
Bottlenose dolphin	01/01/08 – 31/12/08	Northwest Spain	12	DXCN (2009)
Common dolphin	01/01/08 – 31/12/08	Northwest Spain	43	DXCN (2009)
Harbour porpoise	01/01/08 – 31/12/08	Northwest Spain	4	DXCN (2009)

FPCA:

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	15/05 to 01/10 2008	Asturias	1	Arturo Ruano, FPCA
Cuvier's beaked whale	15/06 to 26-09 2008	Asturias	4	Arturo Ruano, FPCA

Sowerby's beaked whale	15/05 to 01/10 2008	Asturias	1	Arturo Ruano, FPCA
Bottlenose dolphin	15/05 to 01/10 2008	Asturias	9	Arturo Ruano, FPCA
Striped dolphin	15/05 to 01/10 2008	Asturias	2	Arturo Ruano, FPCA
Common dolphin	15/05 to 01/10 2008	Asturias	26	Arturo Ruano, FPCA
Harbour porpoise	15/05 to 01/10 2008	Asturias	2	Arturo Ruano, FPCA

IEO: As part of the marine mammal and seabird observer program that the IEO carries out onboard their acoustic surveys to estimate pelagic fish abundance, 3 observers are placed on the spring and autumn acoustic surveys. In 2008, 2 surveys took place, one in spring covering the Galician and Cantabrian Sea shelf waters and one in autumn covering the shelf and slope waters of the Bay of Biscay. Cetacean sightings are listed in the table below. The methodology used is the same than the one applied by CRMM in the French acoustic cruise and on the same R/V (contact: M. Begoña Santos: m.b.santos@vi.ieo.es).

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	22/09-06/10	Cantabrian Sea and Bay of Biscay	4	Begoña Santos/IEO
Sperm whale	22/09-06/10	Cantabrian Sea and Bay of Biscay	1	Begoña Santos/IEO
Unidentified beaked whale	27/03-23/04	Galicia and the Cantabrian Sea	1	Begoña Santos/ IEO
Unidentified beaked whale	22/09-06/10	Cantabrian Sea and Bay of Biscay	1	Begoña Santos/IEO
Long finned pilot whale	27/03-23/04	Galicia and the Cantabrian Sea	11	Begoña Santos/ IEO
Long finned pilot whale	22/09-06/10	Cantabrian Sea and Bay of Biscay	4	Begoña Santos/IEO
False killer whale	27/03- 23/04	Galicia and the Cantabrian Sea	1	Begoña Santos/ IEO
Risso's dolphin	27/03-23/04	Galicia and the Cantabrian Sea	1	Begoña Santos/ IEO
Bottlenose dolphin	27/03-23/04	Galicia and the Cantabrian Sea	11	Begoña Santos/IEO
Bottlenose dolphin	22/09-06/10	Cantabrian Sea and Bay of Biscay	9	Begoña Santos/IEO
Common dolphin	27/03-23/04	Galicia and the Cantabrian Sea	18	Begoña Santos /IEO
Common dolphin	22/09-06/10	Cantabrian Sea and Bay of Biscay	16	Begoña Santos/IEO
Striped dolphin	27/03-23/04	Galicia and the Cantabrian Sea	5	Begoña Santos /IEO
Striped dolphin	22/09-06/10	Cantabrian Sea and Bay of Biscay	1	Begoña Santos/IEO
Unidentified dolphin	27/03-23/04	Galicia and the Cantabrian Sea	1	Begoña Santos/IEO
Unidentified dolphin	22/09-06/10	Cantabrian Sea and Bay of Biscay	4	Begoña Santos/IEO

Spanish Mediterranean

ALNITAK: Ship-based surveys are being carried out since 1992 in the northern section of the Alborán Sea and the Gulf of Vera, to collect data on abundance, distribution, habitat preferences and photo-identification.

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	15/06-26/09/08	Northern Alborán Sea	2	Ana Cañadas - ALNITAK
Sperm whale	15/06-26/09/08	Northern Alborán Sea	1	Ana Cañadas - ALNITAK
Cuvier's beaked whale	15/06-26/09/08	Northern Alborán Sea	3	Ana Cañadas - ALNITAK
Long-finned pilot whale	15/06-26/09/08	Northern Alborán Sea	42	Ana Cañadas - ALNITAK
Risso's dolphin	15/06-26/09/08	Northern Alborán Sea	11	Ana Cañadas - ALNITAK
Bottlenose dolphin	15/06-26/09/08	Northern Alborán Sea	17	Ana Cañadas - ALNITAK
Short-beaked common dolphin	15/06-26/09/08	Northern Alborán Sea	38	Ana Cañadas - ALNITAK
Striped dolphin	15/06-26/09/08	Northern Alborán Sea	53	Ana Cañadas - ALNITAK

ANSE: Ship-based surveys are being carried out since 1999 in the northern section of the Alborán Sea and the Gulf of Vera, to collect data on abundance, distribution, habitat preferences and photo-identification.

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	5-6/08/08	Coast of Region de Murcia	1	J. L. Murcia (ANSE)
Long-finned pilot whale	17-25/05/08	Coast of Region de Murcia	4	J. L. Murcia (ANSE)
	5-6/07/08		5	
	24-25/07/08		1	
Risso's dolphin	17-25/05/08	Coast of Region de Murcia	1	J. L. Murcia (ANSE)
	3-15/10/08		1	
Bottlenose dolphin	4/04/08	Coast of Region de Murcia	1	J. L. Murcia (ANSE)
	17-25/05/08		2	
	5-6/07/08		1	
	5-6/08/08		1	
Common dolphin	17-25/05/08	Coast of Region de Murcia	1	J. L. Murcia (ANSE)
	3-15/10/08		2	
Stripped dolphin	17-25/05/08	Coast of Region de Murcia	6	J. L. Murcia (ANSE)
	5-6/07/08		4	
	5-6/08/08		1	
	3-15/10/08		6	

CIRCE: Ship-based surveys are being carried out since 1998 in the northern section of the Alborán Sea and the Gulf of Cadiz, to collect data on abundance, distribution, habitat preferences and photo-identification.

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	15/06-26/09/08	Northern Alborán	2	Philippe Verborgh / CIRCE

		Sea		
Sperm whale	15/06-26/09/08	Northern Alborán Sea	90	Philippe Verborgh / CIRCE
Killer whale	15/06-26/09/08	Northern Alborán Sea	13	Philippe Verborgh / CIRCE
Long-finned pilot whale	15/06-26/09/08	Strait of Gibraltar	57	Philippe Verborgh / CIRCE
Risso's dolphin	15/06-26/09/08	Strait of Gibraltar	1	Philippe Verborgh / CIRCE
Bottlenose dolphin	15/06-26/09/08	Strait of Gibraltar	30	Philippe Verborgh / CIRCE
Short-beaked common dolphin	15/06-26/09/08	Strait of Gibraltar	10	Philippe Verborgh / CIRCE
Striped dolphin	15/06-26/09/08	Strait of Gibraltar	15	Philippe Verborgh / CIRCE

UV: One day surveys are being carried out once a month in the coast of Alicante, gulf of Valencia and around Columbretes Island Marine Reserve (Castellon) to collect data on distribution, behaviour and photo-identification.

Target species	Date	Area	No. of sightings	Contact person/institute and references
Fin whale	01/04/07-31/03/08	Spanish Mediterranean	5	UV
Sperm whale	01/04/07-31/03/08	Spanish Mediterranean	2	UV
Pilot whale	01/04/07-31/03/08	Spanish Mediterranean	1	UV
Risso's dolphin	01/04/07-31/03/08	Spanish Mediterranean	1	UV
Bottlenose dolphin	01/04/07-31/03/08	Spanish Mediterranean	2	UV
Striped dolphin	01/04/07-31/03/08	Spanish Mediterranean	21	UV

2.1.2 Opportunistic, platforms of opportunity Northern Spain

The Galician coastal observation network (RAM) reports marine mammals and birds abundance and distribution from six observation points. (http://www.telefonica.net/web2/redavesmarinas/index_archivos/Page1838.htm). Information about marine mammals was compiled by CEMMA. In 2008, a dedicated observer (CEMMA) performed observations from a tourist ship during 44 transects and 1663km.

Primary species	Area	Data type/method	Collected by	Platform	Location of archive (if applicable)	Contact person/institute and refs
All present	Northwest Spain	Sightings	Dedicated observer (RAM)	From coast	DXCN (Xunta de Galicia)	DXCN (2009)
All present	Northwest Spain	Sightings	Dedicated observer (CEMMA)	Tourist ship	DXCN (Xunta de Galicia)	DXCN (2009)
All present	Asturias	Sighting	Cetacean observer	Oceanographic vessel	IEO	Arturo Ruano/FPCA

Spanish Mediterranean

UV: The University of Valencia collects data on opportunistic sightings made by tourism ships, fishing ships, maritime authorities and coastal observations by rangers of Coastal Natural Parks.

Primary species	Area	Data type/method	Collected by	Platform	Location of archive (if applicable)	Contact person/institute and refs
Bottlenose dolphin	Gulf of Valencia	sightings	GV Rangers	From Coast /Boat	Conselleria de Medio Ambiente	J. Jiménez/ GV
All present	Serra Gelada Natural Reserve	sightings	GV Rangers	Boat	Conselleria de Medio Ambiente	J. Jiménez/ GV)
All present	Gulf of Valencia	sightings	Maritime Authorities	Boat	University of Valencia	Maritime Authorities
All present	Tabarca Natural Reserve	sightings	GV Rangers	Boat	Conselleria de Medio Ambiente	J. Jiménez/ GV
All present	Columbretes Natural Reserve	sightings	GV Rangers	From Coast/Boat	Conselleria de Medio Ambiente	J. Jiménez/ GV
All present	Bay of Biscay	sightings	Crew, staff	Oceanographic vessel	AZTI-Tecnalia Foundation	A.Uriarte (AZTI-Tecnalia)
All present	Bay of Biscay	Sightings	Crew	Sport fishing	AZTI-Tecnalia Foundation	A.Uriarte (AZTI-Tecnalia)
All present	Bay of Biscay	Sightings	Captain	Fishers	AZTI-Tecnalia Foundation	A.Uriarte (AZTI-Tecnalia)

2.2 Analyses/development of techniques

Target species	Date	Area	Methods/effort	Parameters/ factors measured	Contact person/institute; refs
Cuvier's beaked whales	1992 - 2007	Northern Alborán Sea	Spatial modelling of dedicated surveys with line transect data collection	Distribution; habitat use; abundance	Ana Cañadas, ALNITAK; Cañadas et al 2005; Oekdoven 2008
Risso's dolphin	1992 - 2008	Northern Alborán Sea	Spatial modelling of dedicated surveys with line transect data collection	Distribution; habitat use; abundance	Ana Cañadas, ALNITAK; Cañadas et al 2005
Common dolphin	1992 - 2008	Northern Alborán Sea	Spatial modelling of dedicated surveys with line transect data collection	Distribution; habitat use; abundance	Ana Cañadas, ALNITAK; Cañadas et al 2005; Cañadas and Hammond 2008
Striped dolphin	1992 - 2006	Northern Alborán Sea	Spatial modelling of dedicated surveys with line transect data collection	Distribution; habitat use	Ana Cañadas, ALNITAK; Cañadas et al 2005, Hoshle 2007
Several species	07/2007	CODA Surveys	Spatial modelling of dedicated surveys with line transect data collection	Distribution; habitat use; abundance	P.S. Hammond/St. Andrews Univ.
Long-finned pilot whale	1999 - 2009	Strait of Gibraltar	Mark and recapture	Abundance, survival rate, birth rate, population growth rate, PVA, social structure	Verborgh, Gauffier/ (CIRCE)
Killer whale	1999 - 2009	Strait of Gibraltar	Mark and recapture	Abundance, survival rate, birth rate, population growth rate, social structure	Esteban Pavo/(CIRCE)

3. MARKING DATA

3.1 Field work

3.1.1 Natural marking data

Species	Feature	Area/stock	No. photo-id'd	Catalogue (Y/N)	Catalogue total	Contact person/institute; refs
Killer whale	dorsal fin	Strait of Gibraltar	+10000 picts. (2008)	Y	42	Esteban Pavo/(CIRCE)
Long-finned pilot whale	dorsal fin	Alboran Sea	+60000 picts. (2008)	Y	470	Verborgh (CIRCE)
Long-finned pilot whale	dorsal fin	Alboran Sea	+7500 picts. (2008)	N	(in process)	Ana Cañadas/ALNITAK
Long-finned pilot whale	dorsal fin (right))	Coast of Region de Murcia	91	Y	187	J. L. Murcia/(ANSE)
Long-finned pilot whale	dorsal fin (left)	Coast of Region de Murcia	106	Y	206	J. L. Murcia/(ANSE)
Risso's dolphin	dorsal fin	Alborán Sea	+2500 picts. (2008)	N	(in process)	Ana Cañadas/ALNITAK
Bottlenose dolphin	dorsal fin	Alboran Sea	+4000 picts. (2008)	N		Ana Cañadas/ALNITAK
Bottlenose dolphin	dorsal fin	Strait of Gibraltar	+38000 picts. (2008)	Y	322	Verborgh/(CIRCE)
Bottlenose dolphin	dorsal fin	Northwest Spain	40	Y	176	DXCN (2009)
Common dolphin	dorsal fin	Strait of Gibraltar	+3000 picts. (2008)	Y	(in process)	Gimenez/(CIRCE)
Common dolphin	dorsal fin	Alboran Sea	+3000 picts. (2008)	N	(in process)	Ana Cañadas/ALNITAK

4. TISSUE/BIOLOGICAL SAMPLES COLLECTED

4.1 Biopsy samples (summary only)

Species	Area/stock	Calendar year/season - no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
Long-finned pilot whale	Strait of Gibraltar	2008-09	Y	15	1	CIRCE
Common dolphin	Strait of Gibraltar	2008-09	Y	12	12	CIRCE
Striped dolphin	Strait of Gibraltar	2008-09	Y	10	10	CIRCE

4.2 Samples from directed catches (commercial, aboriginal and scientific permits) or bycatches

None

4.3 Samples from stranded animals

Species	Area/stock	Tissue type(s)*	No. collected	Archived (Y/N)	No. analysed	Contact person/institute
Fin whale	Northwest Spain	Skin and bones	1	Y	0	CEMMA

Minke whale	Northwest Spain	Complete	3	Y	0	CEMMA
Long-finned pilot whale	Northwest Spain	Complete necropsy	7	Y	0	CEMMA
Bottlenose dolphin	Northwest Spain	Several tissues	3	Y	0	CEMMA
Common dolphin	Northwest Spain	Several tissues	41	Y	0	CEMMA
Striped dolphin	Northwest Spain	Several tissues	2	Y	0	CEMMA
Harbour porpoise	Northwest Spain	Several tissues	4	Y	0	CEMMA
Bottlenose dolphin	Spanish Mediterranean	Complete necropsy	1	Y	1	CRAM
Bottlenose dolphin	Spanish Mediterranean	Complete necropsy	3	Y	0	J.A. Raga/UV
Bottlenose dolphin	Spanish Mediterranean	Skin	1	Y	0	J.A. Raga/UV
Risso's dolphin	Spanish Mediterranean	Complete necropsy	1	Y	1	CRAM
Common dolphin	Spanish Mediterranean	Complete necropsy	1	Y	1	CRAM
Common dolphin	Spanish Mediterranean	Complete necropsy	1	Y	1	J.A. Raga/UV
Striped dolphin	Spanish Mediterranean	Complete necropsy	12	Y	12	CRAM
Striped dolphin	Spanish Mediterranean	Complete necropsy	12	Y	11	J.A. Raga/UV
Striped dolphin	Spanish Mediterranean	Skin	1	Y	0	J.A. Raga/UV

4.4 Analyses/development of techniques

CIRCE: Preliminary results have been obtained for long-finned pilot whales around Spain. The first results using microsatellites showed that some loci were only present in the Bay of Biscay and other could only be found in the Strait of Gibraltar and Alboran Sea. Little differences could be found so far between the last two areas. Furthermore, a new haplotype has been found in the Strait of Gibraltar that differs from the ones described in the North Atlantic. These results are very preliminary and should be taken with care. A full report will be brought to the SC next year.

CRAM-UAB/CRESA: Standard procedures (histology) for identifying pathologies have been applied to organ samples following agreed necropsy proceedings (ECS, 1991). Skin samples have been stored for genetic analysis and teeth have been collected for age studies. Moreover, immunohistochemical and PCR tests have been used to identify morbillivirus in lungs, lymphonodes and CNS. Other samples taken are preserved in a bank of samples for later studies.

IEO: IEO continues to carry out diet analysis through the examination of stomach contents of all marine mammal species stranded and by-caught in Galicia. In addition, dietary information is also gathered from the analysis of the stable isotopes of muscle and skin samples of *Tursiops truncatus* stranded and by-caught in Galicia and their main prey (contact: m.b.santos@vi.ieo.es and ruthfernandez@uvigo.es). Heavy metal values are being evaluated from kidney and liver samples of cetaceans stranded and by-caught in Galicia in collaboration with the University of La Rochelle in France (contact Paula Méndez: bulula9@hotmail.com). Analyses are also being carried out on the life history and interactions with fisheries of other small cetaceans along the Galician coast (fionaread@iim.csic.es; sabine.goetz@vi.ieo.es). Studies on pilot whale biology (silvia.sm.monteiro@gmail.com) and harbour porpoise genetics and biology (allavonav@yahoo.es) are both being carried out in collaboration with the University of Minho (Portugal).

UV: Data on parasites and causes of death have been collected for all the species listed. Teeth and gonads were also collected to estimate the age and reproductive status using standard techniques. Stomach contents have been analysed for diet studies. Other samples are taken and conserved in a tissue bank for later studies. Skin is collected for molecular analysis.

5. POLLUTION STUDIES

6. STATISTICS FOR LARGE CETACEANS

6.1 Corrections to earlier years' statistics for large whales

None.

6.2 Direct catches of large whales (commercial, aboriginal and scientific permits) for the calendar year 2008

Not applicable

6.3 Anthropogenic mortality of large whales for the calendar year 2008.

6.3.1 Observed or reported ship strikes of large whales (including non-fatal events)

High-speed Ferry (HSF), Large Cargo (LC), Military (M), Fishing Vessel (FV), Passenger Carrying Excursion (PC), Other (O). Fate: Indicate if the whale swam away (X), appeared seriously injured (I), killed (D).

Whale species	Sex	No.	Date	Location	Vessel type	Speed	Fate	How observed	Contact person/ institute and refs
Fin whale	U	1	23/04	Barcelona harbour 41°18'47''N 2°10'17''E	LC	U	D	Port staff	Ferran Alegre/CRAM
Fin whale	M	1	20/09	Marín harbour, Pontevedra, Northwest Spain	LC	U	D	Port staff	CEMMA

6.3.2 Fishery bycatch of large whales

Fate: R = released alive, D = discarded dead or seriously injured, K = kept for sale or specimen). How observed?: M = records collected as part of a planned cetacean monitoring programme, F = records collected by onboard fishery monitoring scheme, V = records collected by fishermen through vessel logbooks, A = anecdotal reports from any reliable source.

Whale species	Sex	No.	Date	Location	Fate	Targeted fish species	Gear	How observed?	Source or contact
Minke whale	M	1	07/03	Bares harbour, (Lugo), Northwest Spain	D	Swordfish	LL	M	CEMMA
Minke whale	F	1	14/11	Baiona harbour (Pontevedra), Northwest Spain	D	Crabs	FPO	M	CEMMA
Humpback whale	U	1	29/01	5 miles offshore A Coruña, Northwest Spain	R	Crabs	FPO	A	CEMMA

7. STATISTICS FOR SMALL CETACEANS

7.1 Corrections to earlier years' statistics for small cetaceans

None.

7.2 Direct catches of small cetaceans for the calendar year 2008

Not applicable

7.3 Anthropogenic mortality of small cetaceans for the calendar year 2008

7.3.1 Observed or reported ship strikes of small cetaceans (including non fatal events)

None

7.3.2 Fishery bycatch of small cetaceans

Species	Sex	No.	Date	Location	Fate	Targeted fish species	Gear	How observed?	Source or contact
Long-finned pilot whale	U	1	05/05	Offshore Galicia, Northwest Spain	D	Several species	PT	F	CEMMA
Common dolphin	U	1	15/01	Offshore Galicia, Northwest Spain	D	Several species	TBN	F	CEMMA
Common dolphin	F	1	18/01	Riveira harbour, A Coruña, Northwest Spain	D	Several species	TBN	F	CEMMA
Common dolphin	F	1	30/03	Lariño Beach, (A Coruña), Northwest Spain	R	Unknown	TX	F	CEMMA
Common dolphin	U	1	11/12/08	ICES VIIa	D	Hake	GNS	M	Lens/IEO
Common dolphin	U	1	2008	VIIIabd	D	Several species	PTB	F	AZTI-Tecnalia
Striped dolphin	M	1	09/01	Offshore Galicia, Northwest Spain	D	Several species	TBN	F	CEMMA

8. STRANDINGS

Species	No. strandings	No. post mortems	Contact person(s)/ Institute(s)	Contact email address(es)
Minke whale	6	2	CEMMA	cemma@arrakis.es
Humpback whale	1	0	CEMMA	cemma@arrakis.es
Fin whale	1	0	CEMMA	cemma@arrakis.es
Sperm whale	1	0	CEMMA	cemma@arrakis.es
Long-finned pilot whale	21	3	CEMMA	cemma@arrakis.es
Cuvier's beaked whale	2	0	CEMMA	cemma@arrakis.es
Risso's dolphin	2		CEMMA	cemma@arrakis.es
Bottlenose dolphin	4		CEMMA	cemma@arrakis.es
Common dolphin	141		CEMMA	cemma@arrakis.es
Striped dolphin	10		CEMMA	cemma@arrakis.es
Harbour porpoise	10		CEMMA	cemma@arrakis.es
Fin whale	1	0	CRAM	vet@cram.org
Sperm whale	1	0	CRAM	vet@cram.org
Risso's dolphin	1	1	CRAM	vet@cram.org
Bottlenose dolphin	2	1	CRAM	vet@cram.org
Common dolphin	1	0	CRAM	vet@cram.org
Striped dolphin	33	12	CRAM	vet@cram.org
Risso's dolphin	1		J.A. Raga. UV	Toni.raga@uv.es
Bottlenose dolphin	8		J.A. Raga. UV	Toni.raga@uv.es

Common dolphin	1	1	J.A. Raga. UV	Toni.raga@uv.es
Striped dolphin	26	5	J.A. Raga. UV	Toni.raga@uv.es
Long-finned pilot whale	3		CMAM	
Risso's dolphin	2		CMAM	
Striped dolphin	12		CMAM	
Unidentified dolphin	5		CMAM	
Fin whale	1		PROMAR	promar.almeria@nodo50.org
Long-finned pilot whale	1		PROMAR	promar.almeria@nodo50.org
Risso's dolphin	2		PROMAR	promar.almeria@nodo50.org
Common dolphin	6		PROMAR	promar.almeria@nodo50.org
Striped dolphin	34		PROMAR	promar.almeria@nodo50.org
Unidentified dolphin	12		PROMAR	promar.almeria@nodo50.org

9. OTHER STUDIES AND ANALYSES

IEO: Incidental catches of cetaceans were monitored in different Spanish fisheries. Observer's schemes were in operation in the trawl fishery in the SW Atlantic (832 hauls observed), NAFO (707 hauls observed), Hatton bank (462 hauls), Svalbard (86 hauls observed) and Reijkanes Ridge (82 hauls). Observers collected information on incidental catches in a programme to monitor discards and incidental catches in several fisheries in ICES Areas VII, VIII and IX. A total of 908 bottom trawl hauls, 38 pair trawl hauls, 43 purse seine sets and 40 gillnet sets were monitored.

The General Secretary for the Sea, of the Ministry of Environment and Rural and Marine Affairs has funded the Spanish Institute of Oceanography to carry out an observer program to monitor incidental catches of cetaceans in the gillnet fishery in ICES Areas VII and VIIIab, to comply with the EU Regulation (CE) n° 812/2004. In 2008 51 gillnet sets were monitored. The incidental catch of one common dolphin was reported.

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