

# Annex Q

## Progress Reports

This Annex summarises information presented in National Progress Reports

### NATURAL MARKING DATA

Species	Feature	Area/stock	Calendar year/season/no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>Argentina</b>						
Commerson's dolphin	Dorsal fin scars and anomalous coloration patterns	Northern and Central Patagonia	1998-2001/year round/50	Y	140	E.A. Crespo (CENPAT)
Peale's dolphin	Dorsal fin and body scars	Central Patagonia	December 2002	Y	10	E.A. Crespo (CENPAT)
Commerson's dolphin	Dorsal fin/back and sides of body	Santa Cruz coast	1996 and 1997 (summer time); 1998-2004 (year round)	Y	64	Fundación Cethus
Commerson's dolphin	Scars and pigmentation	Bahia San Julian	-	-	-	Fundación Cethus
Peale's dolphin	Dorsal fin and body scars	Santa Cruz coast	January 1996-April 2004	Y	12	Fundación Cethus
Killer whale	Dorsal fin, body scars	Península Valdés	1985-2002	Y	18	Fundación Cethus
Southern right whale	Callosity pattern	SW Atlantic, N Patagonia	Sept. 2003/495	Y	Approx. 1,800 individuals, currently under analysis	V. Rowntree/ICB-WCI/OA and University of Utah
Franciscana Peale's dolphin	Dorsal fin Scars and pigmentation	- Bahia San Julian	2002-2004/>60	Y		
<b>Australia</b>						
Southern right whale	Callosity	Southern Ocean	3	Y	5	Pacific Whale Foundation
Southern right whale	Callosity patterns	WA	20	N	0	C. Burton/Western Whale Research
Southern right whale	Head callosity patterns	WA-SA	Ca. 150	N	2,830 images (1976-2002) incl. 353 ID-ed individuals (mainly from 1976-1993)	J.L. Bannister/WA Museum
Southern right whale	Topside head callosity pattern	SE Australia	13 (plus an additional 19 collected from the region between 2000-02)	Y	33	M. Watson/Department of Sustainability and Environment, VIC
Southern right whale	Dorsal head (callosities)	TAS	4	In progress	N/A	R. Gales/DPIWE
Blue whale	Lateral body	South Australia, VIC	8	Y	20	P. Gill and M. Morrice/Blue Whale Study, Deakin Uni
Blue whale	Lateral body	WA	40	N	0	C. Burton, Western Whale Research
Pygmy blue whale	Fluke	WA		Y	19	C. and M. Jenner/CWR
Pygmy blue whale	Left lateral body	WA		Y	78	C. and M. Jenner/CWR
Pygmy blue whale	Right lateral body	WA		Y	98	C. and M. Jenner/CWR
Pygmy blue whale	Sex ID	WA	2003	Y	0	C. and M. Jenner/CWR
Fin whale	Lateral/dorsal	Antarctic/Southern Ocean	4	Y		D. Thiele/Deakin University
Humpback whale	Lateral/dorsal	Antarctic/Southern Ocean	2	Y		D. Thiele/Deakin University
Humpback whale	Lateral body	WA	150	N	0	C. Burton, Western Whale Research
Humpback whale	Fluke	WA		Y to 1998	1,283 (1990-2001)	C. and M. Jenner/CWR
Humpback whale	Left lateral body	WA		Y to 1998	1,661 (1990-2001)	C. and M. Jenner/CWR
Humpback whale	Right lateral body	WA		Y to 1998	1,682 (1990-2001)	C. and M. Jenner/CWR
Humpback whale	Sex ID	WA		Y to 1998	23 (1990-2003)	C. and M. Jenner/CWR
Humpback whale	NA	Area V	0	N/A	2	D. Paton SCUWRC
Humpback whale	Fluke	Area V	1	Y	2	D. Paton SCUWRC
Humpback whale	Fluke	E Aust.	107	Y	?	M. Noad, J. Smith/Uni Qld
Humpback whale	Lateral body	E Aust.	56	Y	?	M. Noad, J. Smith/Uni Qld
Humpback whale	Fluke	Group V	104	Y	667	D. Paton/D. Burns SCUWRC

Cont.

Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>Australia cont.</b>						
Humpback whale	Fluke	Group V	Still under analysis	Partly	-	D. Paton/D. Burns SCUWRC
Humpback whale	Ventral flukes/left and right dorsal fin/lateral body	Area V (Hervey Bay)	928	Y	2110	T. Franklin/Oceania Project
Humpback whale	Fluke	Group V	1	Y	2	David Paton SCUWRC
Humpback whale	Fluke/dorsal fin	Stock V	~182	In progress	2,511	Pacific Whale Foundation
Humpback whale	-	Perth coast (WA)	-	N	-	C. Burton, J. Bannister (WA Museum)/D. Coughran (CALM)
Indo-Pacific bottlenose dolphin	Dorsal fin	Jervis Bay, Port Stephens NSW	[Opportunistic photos]	-	-	M Lemon, GSE, Macquarie University
Indo-Pacific bottlenose dolphin	Dorsal fin	Byron Bay NSW	3	N	-	E. Hawkins, SCUWRC
Killer whale	Lateral body	Southern Ocean	5	Y	5	Pacific Whale Foundation
Bottlenose dolphin sp.	Dorsal fin	Ballina-Byron Bay, NSW	>188	Y	188	E. Hawkins, SCUWRC
Bottlenose dolphin sp.	-	Samoa	To be analysed	N	NA	S. Walsh SCUWRC
Bottlenose dolphin sp.	Dorsal fin	Port Phillip Bay & Gippsland, VIC	~50	Y	~100	A. Goldsworthy, DRI
Bottlenose dolphin sp.	Dorsal fin	WA	-	Y	~900	J. Mann/Georgetown University
Bottlenose dolphin sp.	Dorsal fin, body scars	Perth metro area, WA	10 new individuals, 50 known from previous years	Y	Approx. 200	B. Donaldson/Murdoch University
Short-finned pilot whale	-	Samoa	To be analysed	N	NA	S. Walsh/SCUWRC
Rough-toothed dolphin	-	Samoa	To be analysed	N	NA	S. Walsh/SCUWRC
Long-snouted spinner dolphin	-	Samoa	To be analysed	N	NA	S. Walsh/SCUWRC
Common dolphin	Dorsal fin	Ballina-Byron Bay, NSW	40+	Y	8	E. Hawkins, SCUWRC
Dolphin sp.	-	Port River, Adelaide, SA	-	-	-	Mike Bossley
Dwarf minke whale	Scars/colour patterns/length	-	-	-	-	R.A. Birtles, P.W. Arnold
<b>Brazil</b>						
Bottlenose dolphin	Dorsal fin	Florianópolis, Santa Catarina	2003-04/n=20	Y	45	Paulo A.C. Flores, IWC-Brazil
Bottlenose dolphin	Dorsal fin	North of Rio Grande do Sul, Southern Brazil	2003-04/n=8	Y	8	Lilian Hoffman, UFRGS
Bottlenose dolphin	Dorsal fin	North of Rio Grande do Sul, Southern Brazil	2003-04/n=3	N	-	Ignacio Moreno, GEMARS/CECLIMAR
Bottlenose dolphin	Flanks/dorsal fin	São Pedro/São Paulo Archipelago (Northeast Brazil)	Summer 2004/n=10	N	7	Paulo Ott, GEMARS/CECLIMAR
Humpback whale	Fluke	Abrolhos Bank, Bahia	2003/n=474	Y	2,100 (include data from 2003 season which are being analyzed)	Luiza Pacheco De Godoy, Instituto Baleia Jubarte
Humpback whale	Fluke	Northern Bahia	2003/n=119	Y	267	Suzana Más Rosa, Instituto Baleia Jubarte
Humpback whale	Fluke	Antarctic Sectors B and C (Areas I and II)	2003-04/n=15	On going analysis	382	Luciano Dalla Rosa, MOFURG
Killer whale	Dorsal	Rio de Janeiro	2003-03/n=4	Y	5	José Lailson-Brito, UERJ
Southern right whale	Head callosities	Santa Catarina, Rio Grande do Sul	2003-04/n=~110 <sup>a</sup>	On going analysis	~270	Karina R. Groch, IWC-Brazil
Spinner dolphin	Fins and body	Fernando de Noronha	2003-2004/n =57	Y	632	Jose Martins, Centro Golfinho Rotador
Tucuxi	Dorsal fin	Rio Grande do Norte	2003-2004/n=11	Y	34	Adolfo Hubner and Sandra Ananias, PPC – RN/UFRN
Tucuxi	Dorsal fin	Bahia	2002-04/n=84	Y	84	Marcos Rossi-Santos, Instituto Baleia Jubarte
Tucuxi	Dorsal fin	Guanabara Bay, Rio de Janeiro	2003-04/n=56	Y	67	José Lailson-Brito, UERJ

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## Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>Brazil cont.</b>						
Tucuxi	Dorsal fin	Cananéia estuary, São Paulo	2003-04/n= <i>ca.</i> 200-280	Y (40%)	147	Marcos Santos, Projeto Atlantis
Tucuxi	Dorsal fin	Babitonga Bay, Santa Catarina	2003-04/n=10 <sup>b</sup>	Y	50	Marta Cremer, UNIVILLE
Tucuxi	Dorsal fins and body marks	Florianópolis, Santa Catarina	2003-04/n=3	Y	~100	Paulo A.C. Flores, IWC-Brazil
<b>France</b>						
Humpback whale	Fluke	N. Caledonia	2003	Y(284)	47	OCNC
	Fluke	Mozambique Channel	2003	Y (184)	45	OMM
Humpback whale	Fluke	Caribbean (Guadeloupe)	2003	Y	3	ET
Humpback whale	Fluke	Occidental Indian Ocean	2003	Y (14)	11	GLOBICE
Sperm whale	Fluke	NW Mediterranean	2003	Y (65)	18	GREC
Sperm whale	Fluke	Caribbean (Martinique)	2003-2004	Y	7	SEPANMAR/GREC
Sperm whale	Fluke	Caribbean (Guadeloupe)	2003	Y	85	ET
Striped dolphin	Dorsal fin	NW Med	2003	Y	109	CRC
Bottlenose dolphin	Dorsal fin	English Channel	2003	Y (80)	20	GECC
Bottlenose dolphin	Dorsal fin	Brittany	2003	Y	45	Océanopolis
Bottlenose dolphin	Dorsal fin	Bay of Biscay	2003	Y	7	CRMM
Bottlenose dolphin	Dorsal fin	NW Mediterranean	2003	Y	208	GECEM
Bottlenose dolphin	Fluke	Occidental Indian Ocean	2003	Y	15	GLOBICE
Risso's dolphin	Dorsal fin	NW Mediterranean	2003	Y	11	GREC
Risso's dolphin	Dorsal fin	NW Mediterranean	2003	Y	44	GECEM
Long-finned pilot whale	Dorsal fin	Bay of Biscay	2003	Y	67	CRMM
Killer whale	Dorsal fin	Occidental Indian Ocean	2003	Y (121)	69	CEBC
<b>Ireland</b>						
Russo's dolphin	Dorsal fin	NE Atlantic	2003/12	Y	-	IWDG
Humpback whale	Fluke	NE Atlantic	2003/1	Y	-	IWDG
Fin whale	Dorsal fin	NE Atlantic	2003/6	Y	-	IWDG
Bottlenose dolphin	Dorsal fin	NE Atlantic	>250	Y	-	UCC
Bottlenose dolphin	Dorsal fin	NE Atlantic	144	Y	-	SDWF
<b>Italy</b>						
Common bottlenose dolphin	Dorsal fin	Tyrrhenian Sea	2003/33	Y	59	Fozzi/CTS
Common bottlenose dolphin	Dorsal fin	Corsican Sea	25	Y	45	Lauriano/ICRAM
Common bottlenose dolphin	Dorsal fin	Eastern Ionian Sea	2003/spring-summer/12	Y	60	TRI
Common bottlenose dolphin	Dorsal fin	Northern Adriatic Sea	2003/none	Y	19	TRI
Common bottlenose dolphin	Dorsal fin	Ligurian Sea	2003/spring-summer/none	Y	63	TRI
Fin whale	Permanent marks	Sicily Channel	6	Y	6	Canese/ICRAM
Short-beaked common dolphin	Dorsal fin; white patch	Eastern Ionian Sea	2003/spring-summer/3	Y	78	TRI
Risso's dolphin	Dorsal fin; body scars	Ligurian Sea	2003/spring-summer/not analysed yet	Y	243	TRI
Long-finned pilot whale	Dorsal fin	Ligurian Sea	2003/spring-summer/not analysed yet	Y	54	TRI
Cuvier's beaked whale	Dorsal fin	Ligurian Sea	2003/spring-summer/not analysed yet	Y	31	TRI
Sperm whale	Flukes, white body patches	Ligurian Sea	2003/spring-summer/not analysed yet	Y	38	TRI
Fin whale	Dorsal fin, blaze and chevron, major scars	Ligurian Sea	2003/spring-summer/15	Y	403	TRI
<b>Japan</b>						
Gray whale	-	Sea of Okhotsk	2003/3	-	-	NRIFS?
Bryde's whales	Mainly dorsal fins	Kochi and Kasasa	2003	Y	68	NRIFS
Bottlenose dolphin	Fin/body	Fiordland	2000-2003	Yes	~200	O. Boisseau/OU

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Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>Mexico</b>						
Blue whale	Right/left/flukes	N. Pacific	2003/winter/65	Y	390	D. Gendron, CICIMAR
Sperm whale	Flukes	N. Pacific	250	Y	500+	D. Gendron, CICIMAR
Gray whale	Dorsal fin	Eastern	200 approx.	In prog	-	H. Perez-Cortes
Fin whales	Dorsal fin	Gulf of California	2003/40	Yes	400+	J. Urban
Humpback whale	Flukes/dorsal fin	Mexican	2003 winter/72	Yes	1,500+	J. Urban
<b>New Zealand</b>						
Bottlenose dolphin	Fin/body	Doubtful Sound	1990-2003	Yes	>83	O. Boisseau/OU
Bottlenose dolphin	Fin/body	Milford Sound	2000-2003	Yes	50	O. Boisseau/OU
Bottlenose dolphin	Fin/body	North Island	1993-2004/15 new animals	Yes	415	G. de Tezanos Pinto, R. Constantine/AU
Bottlenose dolphin	Fin/body	Hauraki Gulf	2000-2003	Yes	102	J. Berghan
Bryde's whale	Fin/body	Hauraki Gulf	2002	Yes	>20	C.S. Baker/AU
Common dolphin	Fin/body	Whitianga/Whakatane	1998-2002	Yes	408	D. Neumann/MU
Dusky dolphin	Fin/body	Kaikoura & Admiralty Bay	1997-2003	Yes	>4000	Tim Markowitz, TAM
Hector's dolphin	Fin/body	East South I. West South I.	1984-2003 1994-97, 2001-2003	Yes	515	S. DuFresne, E. Slooten/OU
Humpback whale	Fluke	Area V	1991-2004	Yes	484	C. S. Baker/AU
Humpback whale	Fluke	New Zealand	1995-2003	Yes	11	R. Constantine/AU
Killer whale	Fins/saddles/eye patches	New Zealand	1993-2004	Yes	130	I. Visser/ORT
Killer whale	Fins/saddles/eye patches	Antarctica	2000-2004	Yes	27	I. Visser/ORT
Killer whale	Fins/saddles/eye patches	Papua New Guinea	2000-2004	Yes	14	I. Visser/ORT
Killer whale	Fins/saddles/eye patches	Peninsula Valdez, Argentina	2000-2004	Yes	24	I. Visser/ORT
Killer whale	Fins/saddles/eye patches	Area V	2001	Yes	11	C. Olavarria/AU
Maui's dolphin	Fin/body	North I.	1998-2003	Yes	>34	K. Russell/AU
Pilot whale	Fins/saddles	New Zealand	?-2003	Yes	>84	T. O'Callaghan
Southern right whale	Callosities/lip lines	Area V	2001	Yes	2	C. Olavarria/AU
Southern right whale	Callosities/lip lines	NZ mainland	?-2004	Yes	>30	N. Patenaude/AU
Southern right whale	Callosities/lip lines	NZ sub-Antarctic	1995-99	Yes	402	N. Patenaude/AU; B. Todd/Project Tohora
Sperm whale	Fluke	Kaikoura	1990-2003	Yes	190	E. Slooten/OU
<b>Norway</b>						
Humpback whale	Fluke	Greenland Sea/Svalbard	3 July-12 August 2003	-	-	IMR
<b>Oman</b>						
Humpback whale	Fluke	Arabian Sea/Gulf of Oman	2004/3	Y	37	Oman Whale and Dolphin Research Group
Humpback whale	Right dorsal fin	Arabian Sea/Gulf of Oman	2004/2	Y	42	Oman Whale and Dolphin Research Group
Humpback whale	Left dorsal fin	Arabian Sea/Gulf of Oman	2004/3	Y	41	Oman Whale and Dolphin Research Group
<b>South Africa</b>						
Humpback whale	Left dorsal	Western Indian Ocean	86	N	-	DEAT
Humpback whale	Right dorsal	Western Indian Ocean	76	N	-	DEAT
Humpback whale	Dorsal fin	Western Indian Ocean	113	N	-	DEAT
Humpback whale	Fluke	St Lucia	179	N	-	DEAT
Humpback whale	Tail fluke	Western Indian Ocean	235	N	-	DEAT
Humpback whale	Dorsal fin and/or fluke	South Africa	42	-	-	CDS
Killer whales	Dorsal fin & saddle	South Africa	8	-	-	CDS
Bryde's whales	Dorsal fin	South Africa	77	-	-	CDS
Indian Ocean bottlenose dolphins	Dorsal fin	South Africa	900	-	-	CDS
Indo-pacific humpback dolphin	Dorsal fin	South Africa	296	-	-	CDS

Cont.

## Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/sort no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>South Africa cont.</b>						
Indo-pacific humpback dolphin	Dorsal fin and hump	South Africa	53	Y	111	EWT
Southern right whale (aerial)	Callosities/dorsal col.	South Africa (Western Province)	182 cow-calf pairs	N	745 adult females, 95 other non-calves	MRIWU
Southern right whale (aerial)	Callosities/dorsal col.	Namibia/ South Africa (Northern Cape)	2 cow-calf pairs, 14 adults	Y	2 cow-calf pairs, 14 adults	MRIWU
Southern right whale (boat)	Callosities/dorsal col.	South Africa (West Coast)	313	N	?	MRIWU
Humpback whale	Flukes/dorsal fin	South Africa (West coast incl. Angola)	69	Y	305 flukes; 456 right d; 449 left d [245 ind]	MRIWU
<b>Spain</b>						
Fin whale	Dorsal fin/body	Alboran Sea	1994-1997/all seasons	N	20+	Ana Cañadas/ALNITAK
Fin whale	Dorsal fin/body	Southern Bay of Biscay	2002-2003/summer	N	4+	J.A. Vázquez/AMBAR
Fin whale	Dorsal fin/body	Strait of Gibraltar	1998-2002/all seasons	Y	5	Renaud de Stephanis/CIRCE
Fin whale	Dorsal fin/body	Balearic Islands	2002-2003/spring-summer	N		Joan Gonzalvo/GRUMM
Rorqual	Dorsal fin	Canary Islands	-	-N	-	-
Common dolphin	Dorsal fin	Alboran Sea	1992-1993/summer	Y	120+	Ana Cañadas/ALNITAK
Common dolphin	Dorsal fin	Alboran Sea	1992-2004/all seasons	N	10,000+	Ana Cañadas/ALNITAK
Common dolphin	Dorsal fin	Strait of Gibraltar	1998-2002/all seasons	Y	50	Renaud de Stephanis/CIRCE
Common dolphin	Dorsal fin	Southern Bay Biscay	2003/summer	N	50	Juanma Salazar/EIBE
Common dolphin	Dorsal fin	Galicia	2002-2003	Y	20	Alfredo López/CEMMA
Short-finned pilot whale	Dorsal fin	Canary Islands	Sep 99-Nov 2002/840 photos	Y	222	Vidal Martín/SECAC GOBCAN
Short-finned pilot whale	Dorsal fin	Southern Bay Biscay	2003/summer/	Y	4	J.A. Vázquez/AMBAR
Short-finned pilot whale	Dorsal fin	Southern Bay Biscay	2003/summer/	Y	10	Juanma Salazar/EIBE
Short-finned pilot whale	Dorsal fin	Canarias	2003/spring & autumn	N		Francisca Diaz/ULL
Short-finned pilot whale	Dorsal fin	Canary Islands	Dic 2001- sept 2002	N		M.Carrillo/TC
Long-finned pilot whale	Dorsal fin	Alboran Sea	1991-2001/all seasons	Y	250+	Ana Cañadas/ALNITAK
Long-finned pilot whale	Dorsal fin	Alboran Sea	2002-2004/all seasons	N		Ana Cañadas/ALNITAK
Long-finned pilot whale	Dorsal fin	Strait of Gibraltar	1998-2002/all seasons	Y	250+	Renaud de Stephanis/CIRCE
Long-finned pilot whale	Dorsal fin	Southern Bay Biscay	2003/summer	Y	25+	Juanma Salazar/EIBE
Long-finned pilot whale	Dorsal fin	Southern Bay Biscay	2002-2003/summer	N	200+	J.A. Vázquez/AMBAR
Long-finned pilot whale	Dorsal fin	Balearic Islands	2002-2003/spring-summer	N		Joan Gonzalvo/GRUMM
Risso's dolphin	Dorsal fin/body	Alboran Sea	1992-1996/June to September	Y	250+	Ana Cañadas/ALNITAK
Risso's dolphin	Dorsal fin/body	Alboran Sea	1997-2004/all seasons	N		Ana Cañadas/ALNITAK
Risso's dolphin	Dorsal fin/body	Canary Islands	Sep 99-Nov 2002	Y	250	Vidal Martín/SECAC
Risso's dolphin	Dorsal fin/body	Canary Islands		N		Vidal Martín/SECAC
Risso's dolphin	Dorsal fin/body	Southern Bay Biscay	2003/summer	Y	3	Juanma Salazar/EIBE
Risso's dolphin	Dorsal fin/body	Southern Bay Biscay	2003/summer	Y	2	J.A. Vázquez/AMBAR
Risso's dolphin	Dorsal fin/body	Balearic Islands	2002-2003/spring-summer	N		Joan Gonzalvo/GRUMM
Northern bottlenose whale	Dorsal fin	Southern Bay Biscay	2002/summer	N	2	Juanma Salazar/EIBE
Sowerby's beaked whale	Dorsal fin/body	Southern Bay Biscay	2002/summer	Y	2	J.A. Vázquez/AMBAR
Killer whale	Dorsal fin/saddle patch	Strait of Gibraltar	1998-2002/all seasons	Y	33	Renaud de Stephanis/CIRCE
Sperm whale	Flukes	Alboran Sea	1992-1998/all seasons	Y	10+	Ana Cañadas/ALNITAK
Sperm whale	Flukes	Alboran Sea	1999-2003/all seasons	N	10+	Ana Cañadas/ALNITAK
Blainville's beaked whale	Dorsal fin/body	Canary Islands	2003/spring & autumn	Y	18 to 31	Natacha Aguilar/ULL

Cont.

## Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/sort no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>Spain cont.</b>						
Sperm whale	Flukes	Strait of Gibraltar	1998-2002/all seasons	Y	22	Renaud de Stephanis/CIRCE
Striped dolphin	Dorsal fin	South-east Bay of Biscay	2003/summer	N	20+	Juanma Salazar/EIBE
Spotted dolphin	-	Canary Islands	-	-	-	-
Bottlenose dolphin	Dorsal fin	Alboran Sea	1992- march 2001/all seasons/	Y	165	Ana Cañadas/ALNITAK
Bottlenose dolphin	Dorsal fin	Alboran Sea	2001-2004/all seasons	N		Ana Cañadas/ALNITAK
Bottlenose dolphin	Dorsal fin	Valencia Region	2003-2004/all seasons	N		Juan Antonio Raga/UV
Bottlenose dolphin	Dorsal fin	Southern Bay of Biscay	2002-2003/summer	Y	22+	J.A. Vázquez/AMBAR
Bottlenose dolphin	Dorsal fin	Southern Bay of Biscay	2003 summer/2004	N	200+	J.A. Vázquez/AMBAR
Bottlenose dolphin	Dorsal fin	Southern Bay of Biscay	2003/summer	Y	30+	Juanma Salazar/EIBE
Bottlenose dolphin	Dorsal fin	Strait of Gibraltar	1998-2002/all seasons/	Y	150	Renaud de Stephanis/CIRCE
Bottlenose dolphin	Dorsal fin	Galicia	2002-2003	Y	50	Alfredo López/CEMMA
Bottlenose dolphin	Dorsal fin	Balearic Islands	2002	Y	36	José M <sup>a</sup> Brotons/DGP-BALEARIS
Bottlenose dolphin	Dorsal fin	Balearic Islands	2002-2003/spring-summer	Y	150+	Joan Gonzalvo/GRUMM
Bottlenose dolphin	Dorsal fin	Canary Islands	2003/spring - autumn	N		Francisca Diaz/ULL
Bottlenose dolphin	Dorsal fin	Canary Islands	Sep 99-Nov 2002	Y	150	Vidal Martin/SECAC GOBCAN
Bottlenose dolphin	Dorsal fin	Canary Islands	Dic 2001-Sept 2002	Y		M.Carrillo/TC
Cuvier's beaked whale	Dorsal fin/body	Southern Bay Biscay	2002-2003/summer	N	20+	J.A. Vázquez/AMBAR
Cuvier's beaked whale	Dorsal fin/body	Southern Bay Biscay	2003/summer	N	4	Juanma Salazar/EIBE
Cuvier's beaked whale	Dorsal fin/body	Canary Islands	2003/spring and autumn	Y	5 to 9	Natacha Aguilar/ULL
Humpback whale		Galician	2003	Y	1	CEMMA
<b>Sweden</b>						
Indo-Pacific bottlenose dolphin	Dorsal fin/body	Zanzibar	>50	Y	170	P. Berggren, SU
Indo-Pacific bottlenose dolphin	Dorsal fin/body	Zanzibar	>25	Y	70	P. Berggren, SU
Humpback whale	Dorsal fin/body	Zanzibar	0	-	6	P. Berggren, SU
<b>UK</b>						
Bottlenose dolphin	Dorsal fin	Moray Firth, Scotland	-	Y	196	CRRU
Bottlenose dolphin	Dorsal fin	Moray Firth, Scotland	14 years	Y	742	UAZD Lighthouse Field Station
Boto	Dorsal fin	Brazilian Amazon	175	Y	320	Tony Martin/SMRU
Tucuxi	Dorsal fin	Brazilian Amazon	5	Y	9	Tony Martin/SMRU
Humpback whale	Fluke	Saint Helena	2	Y	-	Colin MacLeod, Aberdeen Univ.
<b>USA</b>						
Humpback whale	Flukes	Silver Bank, Dominican Rep.	Jan-Mar 2004/~524	Unknown	-	P. Clapham (NEFSC)
Humpback whale	Animal	Gulf of Maine	101	Y	NA	P. Clapham/NEFSC
Sperm whale	Fluke	N. Atlantic	27	Y	NA	D. Palka/NEFSC
Pilot whale	Animal	W.N. Atlantic	50	Y	NA	D. Palka/NEFSC
Right whale	Animal	W.N. Atlantic	4	Y	NA	P. Clapham/NEFSC
Fin whale	Animal	W.N. Atlantic	4	Y	NA	P. Clapham/NEFSC
Minke whale	Animal	Canadian E. coast	1	Y	NA	P. Clapham/NEFSC
Common dolphin	Animal	W.N. Atlantic	1 group	Y	NA	P. Clapham/NEFSC
Sperm whale	Fluke	Gulf of Mexico	NA	Y	NA	K. Mullin, SEFSC
Bottlenose dolphin	Dorsal fin	Gulf of Mexico	NA	Y	NA	K. Mullin, SEFSC
Bottlenose dolphin	Dorsal fin	NW Atlantic	NA	Y	NA	A. Hohn, SEFSC
Killer whale	Dorsal fin, saddle patch	SE Alaska, Central AK & Aleutians, AK	12 groups 22 groups	Y Y	NA NA	M. Dahlheim, AFSC P. Wade, AFSC
Humpback whale	Fluke	SE Alaska Central AK & Aleutians, AK	NA 41	NA N	NA NA	M. Dahlheim, AFSC P. Wade, AFSC
Humpback whale	Fluke	North Pacific	1982-2003/22,000	N		Mizroch, NMML
Gray whale	Sides	NW WA, Vancouver Is/E.N. Pacific, Kodiak Is., AK	5	Y	245	M. Gosho, AFSC

Cont.

## Natural marking data cont.

Species	Feature	Area/stock	Calendar year/season/sort no. photographed	Catalogued (Y/N)	Catalogue total	Contact person/institute
<b>USA cont.</b>						
Sperm whale	Fluke	Aleutians, AK	5	N	NA	M. Dahlheim, AFSC P. Wade, AFSC
Fin whale	Dorsal fin	Central AK & Aleutians, AK	75	N	NA	P. Wade, AFSC
Baird's beaked whale	Dorsal fin	Aleutians	23	N	NA	P. Wade, AFSC
Killer whale	Dorsal fin and saddle patch	N. Pacific	Not totalled	Y	83 for Southern Residents	Ken Balcomb/Center for Whale Research

**Brazil:** a) Include possible double identifications; b) Video-identification techniques.

## ARTIFICIAL MARKING DATA

Species	Tag type	No. branded	Location	Brand no.	Contact
<b>Brazil</b>					
Boto	Plastic tag	71 (43 new, 28 recaptures)	Amazon River	-	Vera M.F. da Silva, INPA
Tucuxi	Plastic tag	3	Amazon River	-	Vera M.F. da Silva, INPA
<b>Japan</b>					
Various cetaceans	Spaghetti tag	-	Northern Japan	-	S. Noji (TS/NRIFS), H. Sato (TS/NRIFS), S. Izumi (TS/NRIFS), T. Hashimoto (TS/NRIFS)
Various cetaceans	Archival tag	-	Northern Japan	-	S. Noji (TS/NRIFS), H. Sato (TS/NRIFS), S. Izumi (TS/NRIFS), T. Hashimoto (TS/NRIFS)
Sperm whale	Spaghetti tag	-	Boso Peninsula/Chiba Prefecture	-	S. Minamikawa (NRIFS), M. Kawashima (TS/NRIFS), S. Izumi (TS/NRIFS), K. Hashimoto (TS/NRIFS), T. Nitta (TS/NRIFS)
Baird's beaked whale	Spaghetti tag	-	Chiba Prefecture	-	S. Minamikawa (NRIFS), M. Kawashima (TS/NRIFS), S. Izumi (TS/NRIFS), K. Hashimoto (TS/NRIFS), T. Nitta (TS/NRIFS)

## TELEMETRY DATA

Species	Tag type	No. successfully deployed	Maximum time transmitting	Contact person/institute
<b>Australia</b>				
Pygmy blue whale	Satellite	3 (WA)	12 hours	C. Jenner/CWR, N. Gales/AAD
Pygmy blue whale	Satellite	1 (Timor)	7 days	C. Jenner/CWR, N. Gales/AAD
Humpback whale	Satellite	1 (WA)	17 days	C. Jenner/CWR, N. Gales/AAD
Humpback whale	Satellite	4	?	University of Santa Cruz, N. Gales/AAD
Humpback whale	Digital acoustic/movement	11	6h	N Biassoni, Woods Hole Oceanographic Institution
Blue whale	Satellite	2	?	University of Santa Cruz, N. Gales/AAD
Blue whale	Satellite	5	?	CWR, N. Gales/AAD
Humpback whale	Suction cup tags	-	-	Woods Hole Oceanographic Institution
<b>Brazil</b>				
Humpback whale - Brazil	Satellite	11	>4 months	A. Zerbini, University of Washington, Seattle, USA & A. Andriolo, UFJF, Juiz de Fora, MG
Humpback whale - Antarctic	Satellite	2	72 days	Luciano Dalla Rosa, MOFURG
<b>Denmark</b>				
Harbour porpoise	Satellite	60 (1997-2003)	-	NERI, DIFFRES, F&B
Minke whale	Satellite	1	3 months	-
Bowhead whale	Satellite	4	>5 months	-
Fin whale	Satellite	1	-	-
Minke whale	Satellite	2 (1 transmitted)	2 weeks	-
Humpback whale	Satellite	4	2.5 months	-
Humpback whale	Satellite	11	>7 months	-
Narwhal	Satellite	13	6 months	-
<b>Germany</b>				
Harbour porpoise - North Sea/Baltic	-	-	-	U. Siebert
Harbour porpoise - Baltic Sea	-	-	-	R. Wilson

Cont.

## Telemetry data cont.

Species	Tag type	No. successfully deployed	Maximum time transmitting	Contact person/institute
<b>France</b>				
Fin whale	Satellite	11	-	CEBC
<b>Iceland</b>				
Minke whale	Satellite	1	-	-
<b>Italy</b>				
Fin whale	Satellite	5	n/a	Canese/ICRAM
<b>Japan</b>				
Minke whale	Satellite	3	-	ICR
Humpback whale	Satellite	1	-	ICR
Bryde's whale	Satellite	0	-	Kochi University
<b>New Zealand</b>				
Hector's dolphin	Satellite	3	-	G. Stone (PI, NEA)
<b>Norway</b>				
Minke whale	VHF tag	1	24 hours	IMR
Fin whale	Satellite	1	-	IMR
Humpback whale	Satellite	1	-	IMR
<b>Spain</b>				
Blainville's beaked whale	DTAG (WHOI)	2	16 hours	Natacha Aguilar/ULL
Short-finned pilot whale	DTAG (WHOI)	26	9 hours	Natacha Aguilar/ULL
<b>USA</b>				
Sperm whale	D-tag	12	6.4 hours	D. Palka, NEFSC
Bottlenose dolphin	Satellite	NA	NA	A. Hohn, SEFSC
Short-finned pilot whale	Satellite	3	~3 months	B. Mase, SEFSC
Beluga whale	Bristol Bay, Alaska	5	110 days	L. Quakenbush, ADFG

## BIOPSY SAMPLES

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>Argentina</b>						
Commerson's dolphin	San Julian	2003/2004	Y	6	6	Fundacion Cethus
Southern right whale	SW Atlantic, N. Patagonia	2003/50 skin and blubber samples	Y	0	0	Luciano Valenzuela/Instituto de Conservacion de Ballenas and University of Utah
<b>Australia</b>						
Blue whale	Off WA	1	N	-	5 sloughed skin samples (2002); 1 sample (2003)	C. Jenner/CWR, J. Bannister/WA Museum
Humpback whale	Antarctic/Southern Ocean	2	Y	0	5	D Thiele/Deakin Uni
Humpback whale	Group IV	156	In progress	Y	259 samples (103 in 2002 + 156 in 2003)	C. Jenner/CWR, M. Brasseur/Edith Cowan University
Humpback whale	Hervey Bay, QLD	173 sloughed skin samples	Y	-	-	Oceania Project
Humpback whale	QLD	2 (faecal samples)	Y	?	?	T&W Franklin/The Oceania Project, N. Gales/AAD
Humpback whale	E Aust	14	Y	0	15	J Smith/Uni of QLD
Humpback whale	Area V (E Aust.)	79 (sloughed skin)	Y	0	508	M. Anderson /Southern Cross Uni
Humpback whale	Area V (Hervey Bay)	173 (sloughed skin samples)	Y	674	6,847	W Franklin/The Oceania Project
Fin whale	Antarctic/Southern Ocean	4	Y	0	4	D Thiele/Deakin Uni
Long-snouted spinner dolphin	Samoa	3	Y	Y	3	C Olavarria, Uni of Auckland*
Rough-toothed dolphin	Samoa	4	Y	Y	4	C Olavarria, Uni of Auckland*
Short-finned pilot whale	Samoa	3	Y	Y	3	C Olavarria, Uni of Auckland*
False killer whale	NT	9	Y	0	9	M. Kruetzen/University of NSW
False killer whale	Timor	10	?	Pending	?	M Kruetzen, BEES, Uni of NSW and Sydney Uni
Pygmy sperm whale	TAS	? (Faecal samples)	N	N	?	DPIWE TAS, N. Gales/AAD

Cont.

## Biopsy samples cont.

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>Australia cont.</b>						
Indo-Pacific bottlenose dolphin	Timor	7	?	Pending	?	M Kruetzen, BEES, Uni of NSW and Sydney Uni
Bottlenose dolphin	Shark Bay WA	19	Y	0	460	M. Kruetzen/University of NSW
Bottlenose dolphin	NT	7	Y	0	7	M. Kruetzen/University of NSW
Pantropical spotted dolphin	Unknown (Fiji)	1	Y	Y	1	Carlos Olavarria, Uni of Auckland
Common bottlenose dolphin	Samoa	1	Y	Y	1	C Olavarria, Uni of Auckland*
Common bottlenose dolphin	VIC	3	Y	3	3	K. Charlton & S. McKechnie/Monash Uni
<b>Brazil</b>						
Amazon river dolphin	Central Amazon	74	Y	300	340	V. M. F. da Silva, INPA
Bottlenose dolphin	Patos Lagoon estuary, Rio Grande do Sul	2003-04/n= 2	Y	On going study	2	Luciano Dalla Rosa, MOFURG
Humpback whale	Western Atlantic, Abrolhos Bank, Bahia	2003/n = 48	Y	0	48	Márcia Engel, Instituto Baleia Jubarte
Humpback whale	Western Atlantic, Northern Bahia	2003/n = 14	Y	0	14	Márcia Engel & Suzana Más Rosa Instituto Baleia Jubarte
Humpback whale	Group A, Southeastern Brazil	2003/n = 10	Y	10	10	Alexandre Zerbini, UW & Artur Andriolo, UFJF
Humpback whale	Antarctic, B and C (I and II)	2003-04/n = 5	Y	--	218	Luciano Dalla Rosa, MOFURG
Right whale	Rio Grande do Sul	2003-04/n = 1	Y		1	Mônica Muelbert, MOFURG
Tucuxi	Central Amazon	2003/n = 3	Y	3	8	V. M. F. da Silva/INPA
Tucuxi	Cananéia estuary, São Paulo	2003-04/n = 6	Y	4	17	Marcos Santos, Projeto Atlantis
Tucuxi	Florianópolis, Santa Catarina	2003-04/n = 8	Y	On-going study	8	Paulo A.C. Flores, IWC-Brazil & Haydée Cunha, Laboratório de Biodiversidade Molecular UFRJ/Projeto Maqua UERJ
Boto	-	2003/36 (blood)	Y	On-going	-	Vera M.F. da Silva, INPA
<b>Denmark</b>						
Minke whale	Danish waters	2003/1	-	-	-	-
Harbour porpoise	Danish waters	2003/8	-	-	-	-
Narwhal	Admiralty Inet, Canada	2003/13	-	-	-	-
Bowhead whale	Disko Bay	May 2003/11	-	-	-	-
Humpback whale	West Greenland	2003/4	-	-	-	-
<b>France</b>						
Minke whale	N. Caledonia	Winter 2003	Y (1)		1	OCNC
Humpback whale	N. Caledonia	July-Sept 2003	Y (461)		99	OCNC
Humpback whale	Mozambique chan.	July-Nov 2003	Y (96)		10	OMM
Fin whale	Mediterranean	2003	Y (15)		4	CEBC
<b>Ireland</b>						
Humpback whale	NE Atlantic	1	Y	1	1	IWDG
<b>Italy</b>						
Striped dolphin	Mediterranean Sea	2003/10	Y	10	n/a	UNISI/Fossi/Marsili/Natoli
Common bottlenose dolphin	Mediterranean Sea	2003/2	Y	2	n/a	UNISI/Fossi/Marsili/Natoli, ICRAM/Lauriano
Long-finned pilot whale	Ligurian Sea	Year 2003/spring-summer/2	Y	In progress	3	TRI
Sperm whale	Ligurian Sea	Year 2003/spring-summer/1	Y	In progress	3	TRI/UNISI/Fossi/Marsili/Daniel Engelhaupt, University of Durham
<b>Japan</b>						
Various cetaceans	Pacific coast	8 Feb. - 22 Mar. 2004	-	-	-	S. Noji (TS/NRIFS), H. Sato (TS/NRIFS), S. Izumi (TS/NRIFS), K. Hashimoto (TS/NRIFS)
Blue whale (true)*	Antarctic	April 2003 - May 2004/6	Y	0	6	NRIFS
Minke whale	Antarctic	April 2003 - May 2004/1	Y	0	1	NRIFS
Humpback whale	Antarctic	April 2003 - May 2004/2	Y	0	2	NRIFS

Cont.

## Biopsy samples cont.

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>Japan cont.</b>						
Southern bottlenose whale**	Antarctic	April 2003 - May 2004/1	Y	0	1	NRIFS
Humpback whale	-	2003/62	Y	-	-	ICR
Humpback whale	Antarctic	2003/1	Y	-	-	ICR
Blue whale	-	2003/4	Y	-	-	ICR
Blue whale	Antarctic	2003/2	Y	-	-	ICR
Fin whale	-	2003/4	Y	-	-	ICR
Fin whale	Antarctic	2003/1	Y	-	-	ICR
Right whale	Antarctic	2003/1	Y	-	-	ICR
Southern right whale	-	2003/2	Y	-	-	ICR
Bryde's whale	Antarctic	2003/4	Y	-	-	ICR
<b>Mexico</b>						
Fin whale	Gulf of California	2003/35	Y	0	150	J. Urban/UABCS
Humpback whale	Mexican Pacific	Winter 2003/40	Y	0	130	J. Urban/UABCS
Blue whale	N. Pacific/Baja California	2003/35	Y	34	34 (blubber)	D. Gendron, CICIMAR-IPN
Bottlenose dolphin	Gulf of California	2003/21	Y	21	21	L. Rojas and I. Segura INE/CICESE
Blue whale	N. Pacific/Baja California	2003/24	Y	24	0	D. Gendron, CICIMAR-IPN
Sperm whale	Gulf of California	2003/36	Y	36	214	D. Gendron, CICIMAR-IPN
<b>New Zealand</b>						
Bottlenose dolphin	Northland	32	Y	32	70	G. de Tezanos Pinto/AU
Bottlenose dolphin	Hauraki Gulf	6	Y	6	In progress	G. de Tezanos Pinto/AU
Bottlenose dolphin	Samoa	2003	Y	1	1	C. Olavarría AU
False killer whale	Tonga	2003	Y	1	1	C. Olavarría AU
Humpback whale	Tonga	1991 – 2003	Y	410	543	C. Olavarría AU
Humpback whale	Tonga	91	Y	113	501	C. Olavarría, K. Russell/AU
Humpback whale	Cook Strait	2004/12	Y	-	-	S. Childerhouse/N. Gibbs (DOC)
Killer whales	NZ	1994-2003	Y	9	10	C. Olavarría AU
Rough tooth dolphin	Samoa	2003	Y	4	4	C. Olavarría AU
Short finned pilot whale	Samoa	2003	Y	3	3	C. Olavarría AU
Southern right whale	New Zealand mainland	11	Y	11	11	N. Patenaude/AU
Spinner dolphin	Samoa	2003	Y	3	3	C. Olavarría AU
<b>Norway</b>						
White-beaked dolphin	Greenland Sea/Svalbard	Summer 2003	-	-	-	IMR
Humpback whales	Greenland Sea/Svalbard	Summer 2003	-	-	-	IMR
Fin whale	Greenland Sea/Svalbard	Summer 2003	-	-	-	IMR
Blue whale	Greenland Sea/Svalbard	Summer 2003/1	-	-	-	IMR
<b>Oman</b>						
Humpback whale	Arabian Sea/Gulf of Oman	2003-2004/1	N	-	50	OWDRG
Blue whale	Arabian Sea	2003-2004/3	N	3	3	OWDRG
<b>South Africa</b>						
Humpback whale	Western Indian Ocean C1	68 biopsies	N	68	149	DEAT/AMNH
Humpback whales	St Lucia	31 sloughed skin	N	-	-	DEAT
Humpback whale	South Africa (W Coast)	35	Y	?	154	MRIWU/AMNH
Southern right whale	South Africa	2	N	2 (cell culture)	621	MRIWU/U. California (Berkeley)
Humpback whale	Saldanha Bay	Jan-Feb 2003/~54	-	-	-	MRIWU
Humpback whale	Western Indian Ocean C1	33 sloughed skin	N	33	33	DEAT/AMNH
Southern right whale	Saldanha Bay	Jan-Feb 2003/~56	-	-	-	MRIWU
Killer whale	Saldanha Bay	Jan-Feb 2003/~5	-	-	-	MRIWU
Blue whale	Saldanha Bay	Jan-Feb 2003/1	-	-	-	MRIWU
<b>Spain</b>						
Common dolphin	South Spain	2000-2004	Y	-	40+ (skin swabbing)	Ana Cañadas/ALNITAK
Bottlenose dolphin	South Spain	2002-2004	Y	-	1 (skin swabbing)	Ana Cañadas/ALNITAK

Cont.

## Biopsy samples cont.

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>Spain cont.</b>						
Blainville's beaked whale	Canary Islands	2003/autumn	Y	0	4 (swabbing skin)	Natacha Aguilar/ULL
Short-finned pilot whale	Canary Islands	2003/spring & autumn	Y	11	11 (skin swabbing)	Natacha Aguilar/ULL S. Hidebrandt/ULPGC
Striped dolphin	Balearic Islands	2003/summer 12	Y			Alex Aguilar/GRUMM
Sperm whale	Menorca/Majorca	1999-2003	Y	-	-	Group de Recherche sur les Cetaces
<b>Sweden</b>						
Humpback whale	Zanzibar	0	-	0	3	P. Berggren, SU
Indo-Pacific humpback dolphin	Zanzibar	17	Y	-	47	P. Berggren, SU
Indo-Pacific humpback dolphin	Zanzibar	0	-	-	6	P. Berggren, SU
<b>UK</b>						
Bottlenose dolphin	Azores	>50	-	-	-	M. Silva, SMRU
Sperm whale	Ionian Sea/Sciilian and Matlta Channel	Aug-Oct 2003 (sloughed skin)	-	-	-	IFAW
<b>USA</b>						
Bottlenose dolphin	Biscayne Bay, FL	2003-2004	Y	-	-	L. Garrison (SEFSC)
Sperm whale	South of Woods Hole	Jul-Aug 2003 (fecal samples)	Y	-	-	D. Palka (NEFSC)
Sperm whale	South of Woods Hole	Jul-Aug 2003 (skin samples)	Unknown	-	-	D. Palka (NEFSC)
Humpback whale	Silver Bank, Dominican Republic	Jan-Mar 2004/604 plus 55 sloughed skin	Y	-	-	P. Clapham (NEFSC)
Humpback whale	Gulf of Maine	37	Y	NA	NA	Frederick Wenzel/NEFC
Fin whale	W.N. Atlantic	2	Y	NA	NA	Frederick Wenzel/NEFC
Minke whale	Canadian East Coast	1	Y	NA	NA	Frederick Wenzel/NEFC
Common dolphin	W.N. Atlantic	1	Y	NA	NA	Frederick Wenzel/NEFC
Fin whale	North Atlantic	1	Y	0	NA	K. Mullin, SEFSC
Sperm whale	Gulf of Mexico	3	Y	0	NA	K. Mullin, SEFSC
Melon-headed whale	Gulf of Mexico	1	Y	0	NA	K. Mullin, SEFSC
False killer whale	Gulf of Mexico	6	Y	0	NA	K. Mullin, SEFSC
Short-finned pilot whale	Gulf of Mexico	13	Y	0	NA	K. Mullin, SEFSC
Rough-toothed dolphin	Gulf of Mexico	1	Y	0	NA	K. Mullin, SEFSC
Risso's dolphin	Gulf of Mexico	1	Y	0	NA	K. Mullin, SEFSC
Bottlenose dolphin	Gulf of Mexico, North Atlantic	157	Y	0	NA	K. Mullin, SEFSC, P. Rosel, SEFSC
Atlantic spotted dolphin	North Atlantic	25	Y	0	NA	P. Rosel, SEFSC
Pantropical spotted dolphin	Gulf of Mexico	13	Y	0	NA	K. Mullin, SEFSC
Spinner dolphin	Gulf of Mexico	2	Y	0	NA	K. Mullin, SEFSC
Clymene dolphin	Gulf of Mexico	1	Y	0	NA	K. Mullin, SEFSC
Humpback whale	Bering Sea, Gulf of Alaska	2003/10	Y	0	Archived with SWFSC	Paul Wade, AFSC
Fin whale	Gulf of Alaska	2003/8	Y	0	Archived with SWFSC	Paul Wade, AFSC
Sperm whale	Aleutian Islands	2003/3	Y	0	Archived with SWFSC	Paul Wade, AFSC
Killer whale	Bering Sea, Gulf of Alaska	2003/33	Y	33	Archived with SWFSC	Paul Wade, AFSC
Baird's beaked whale	Aleutian Islands	2003/9	Y	0	Archived with SWFSC	Paul Wade, AFSC
Gray whale	Eastern No. Pacific	2003/3	Y	NA	NA	M. Gosho, AFSC
Beluga whale	Chukchi Sea, Gulf of Alaska	2003/2	NA	NA	NA	G.O'Corry-Crowe, SWFSC
Baird's beaked whale	Southeast Bering Sea	2003/Summer/n=8	Y	0	8	Paul Wade AKFSC
Bottlenose dolphin	New Jersey (Western North Atlantic)	2003/Summer/n=4	Y	0	4	Colleen Bryan NIST

Cont.

## Biopsy samples cont.

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>USA cont.</b>						
Fin whale	Southeast Bering Sea	2003/Summer n=7	Y	0	7	Paul Wade NMML/AKFSC
Humpback whale	Southeast Bering Sea	2003/summer n=9	Y	0	9	Paul Wade NMML/AKFSC
Killer whale	Prince William Sound/SE Bering Sea	2003/summer n=38	Y	0	38	Craig Matkin North Gulf Oceanic Society
Killer whale	Southeast Bering Sea	2003/summer n=29	Y	29	NA	Paul Wade NMML/AKFSC
Killer whale	Russia (Western North Pacific)	2003/summer n=1	N	1	0	Vladimir Burkanov AKFSC
Killer whale	Russia (Western North Pacific)	2003 n=6	N	6	6	Shannon Atkinson Alaska SeaLife Center
Killer whale	France	1998/fall n=4	Y	4	4	Susan Chivers (SWFSC)
Killer whale	Gulf of California	1995/fall n=3	Y	3	3	Susan Chivers (SWFSC)
Killer whale	Bering Sea	1997/summer n=1	Y	1	1	Susan Chivers (SWFSC)
Killer whale	Mexico	2000/summer n=3	Y	3	3	Susan Chivers (SWFSC)
Sperm whale	Southeast Bering Sea	2003/summer n=2	Y	0	2	Paul Wade (AKFSC)
Killer whale	Southeast Alaska	2003	Y	~12	-	M. Dahlheim (AFSC)
<i>Stenella</i> sp.	ETP	2004	Y	-	-	L. Ballance (SWFSC)
Bryde's whale*	ETP	11	Y	-	110	S. Chivers (SWFSC)
Blue whale*	Hawaii	1	Y	-	624	S. Chivers (SWFSC)
Blue whale*	Off San Diego	8	Y	-	624	S. Chivers (SWFSC)
Blue whale*	ETP	16	Y	-	624	S. Chivers (SWFSC)
Fin whale*	Off San Diego	3	Y	-	267	S. Chivers (SWFSC)
Fin whale*	ETP	1	Y	-	267	S. Chivers (SWFSC)
Short-beaked common dolphin*	ETP	32	Y	-	314	S. Chivers (SWFSC)
Common dolphin*	Off San Diego	54	Y	-	1,282	S. Chivers (SWFSC)
Common dolphin*	ETP	10	Y	-	1,282	S. Chivers (SWFSC)
Common dolphin sp.*	ETP	1	Y	-	61	S. Chivers (SWFSC)
Gray whale*	Off San Diego	4	Y	-	533	S. Chivers (SWFSC)
Pygmy killer whale*	Hawaii	2	Y	-	24	S. Chivers (SWFSC)
Short-finned pilot whale*	Hawaii	48	Y	-	362	S. Chivers (SWFSC)
Short-finned pilot whale*	ETP	48	Y	-	362	S. Chivers (SWFSC)
Risso's dolphin*	ETP	17	Y	-	98	S. Chivers (SWFSC)
Dusky dolphin*	ETP	4	Y	-	7	S. Chivers (SWFSC)
Pacific white-sided dolphin*	Off San Diego	6	Y	-	219	S. Chivers (SWFSC)
Pacific white-sided dolphin*	ETP	2	Y	-	219	S. Chivers (SWFSC)
Humpback whale*	Hawaii	10	Y	-	680	S. Chivers (SWFSC)
Humpback whale*	ETP	2	Y	-	680	S. Chivers (SWFSC)
Humpback whale*	Southeast Alaska	6	Y	-	680	S. Chivers (SWFSC)
Blainville's beaked whale*	Hawaii	5	Y	-	11	S. Chivers (SWFSC)
Killer whale*	Hawaii	1	Y	-	367	S. Chivers (SWFSC)
Killer whale*	ETP	30	Y	27	367	S. Chivers (SWFSC)
Killer whale*	Southeast Alaska	6	Y	-	367	S. Chivers (SWFSC)
Melon-headed whale*	Hawaii	40	Y	-	43	S. Chivers (SWFSC)
Sperm whale*	Hawaii	1	Y	-	1,557	S. Chivers (SWFSC)
Sperm whale*	ETP	4	Y	-	1,557	S. Chivers (SWFSC)
Sperm whale*	Southeast Alaska	10	Y	10	1,557	S. Chivers (SWFSC)
False killer whale*	Hawaii	22	Y	-	105	S. Chivers (SWFSC)
False killer whale*	ETP	7	Y	-	105	S. Chivers (SWFSC)
Spotted dolphin*	Hawaii	87	Y	-	1,311	S. Chivers (SWFSC)
Spotted dolphin*	ETP	63	Y	-	1,311	S. Chivers (SWFSC)
Coastal spotted dolphin*	ETP	102	Y	-	367	S. Chivers (SWFSC)
Spotted dolphin subsp.*	ETP	11	Y	-	187	S. Chivers (SWFSC)
Striped dolphin*	ETP	6	Y	-	559	S. Chivers (SWFSC)
Central American spinner dolphin*	ETP	7	Y	-	26	S. Chivers (SWFSC)
Spinner dolphin*	Hawaii	39	Y	-	100	S. Chivers (SWFSC)

Cont.

## Biopsy samples cont.

Species	Area/stock	Calendar year/season/no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
<b>USA cont.</b>						
Eastern spinner dolphin*	ETP	35	Y	-	321	S. Chivers (SWFSC)
Spinner dolphin subsp.*	ETP	24	Y	-	222	S. Chivers (SWFSC)
Central American/Eastern spinner dolphin*	ETP	12	Y	-	18	S. Chivers (SWFSC)
Rough-toothed dolphin*	Hawaii	39	Y	-	103	S. Chivers (SWFSC)
Rough-toothed dolphin*	ETP	13	Y	-	103	S. Chivers (SWFSC)
Bottlenose dolphin*	Hawaii	83	Y	-	1,820	S. Chivers (SWFSC)
Bottlenose dolphin*	ETP	113	Y	-	1,820	S. Chivers (SWFSC)

**Australia:** \*All skin samples have been individually identified and sexed. Individual identification results have been compared with a South Pacific Cetacean Database held in Auckland, New Zealand for comparison and full life history analysis.

**Japan:** \*Provisional subspecies based on morphological features. \*\*Collected from drifted carcass.

**USA:** \*Includes all tissue types from various sources including strandings, bycatch, museum specimens, as well as directly taken biopsies.

## SAMPLES FROM DIRECTED CATCHES OR BYCATCHES

Species	Area/stock	Calendar year/Season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Argentina</b>					
Franciscana	Buenos Aires	35	Y	Muscle, several organs, tooth, skeleton	P. Bordino, M. Mendez/AquaMarina-CECIM
Franciscana	-	-	Y	Teeth	AquaMarina
Burmeister's porpoise	Buenos Aires	5	Y	Muscle, several organs, tooth, skeleton	P. Bordino, M. Mendez/AquaMarina-CECIM
Commerson's dolphin*	Central/southern Patagonia	1999/2004	Y	Gastrointestinal helminths	E.A. Crespo, CENPAT
Common dolphin	Northern Patagonia	1999/2004	Y	Gastrointestinal helminths	E.A. Crespo, CENPAT
<b>Australia*</b>					
Common dolphin	Tasmania	2**	Y	Blubber (2), muscle (2), skin (2), stomach contents (2), whole animal (1)	R. Gales/DPIWE
Common dolphin	SA	2	2Y	Genetic tissues (blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A. Museum
Common dolphin	NSW	2	N	Stomach and digestive track	C. Ganassin/NSWF
Indo-Pacific bottlenose dolphin	SA	3	2Y	Genetic tissues (blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A. Museum
Pygmy sperm whale	SA	2	2Y	Genetic tissues (blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A. Museum
Bottlenose dolphin	Tasmania	1	Y	Blubber, muscle, skin, stomach contents, liver kidney, teeth	R. Gales/DPIWE
<b>Brazil</b>					
Amazon river dolphin	Central Amazon	2003-04/n=5	Y	Heart, liver, skin, blubber, teeth, blood, skull, foetus and placenta	Dr. V. M. F. da Silva/INPA
Boto	-	2003/3	Y	Blubber, muscle, brain, all organs	Vera M.F. da Silva, INPA
Franciscana	Rio de Janeiro	2003-04/n=1	Y	Liver, kidney, gonads, stomach, blood, brain, muscle, skin, blubber, teeth	A.P. Di Benedetto, UENF-LCA
Franciscana	São Paulo	2003-04/n=17	Y	Brain, lung, heart, stomach, intestine, liver, kidney, pancreas, adrenals, gonads, muscle, blubber, skin, teeth	C. P. Bertozzi, J. Marigo. & V. Ruoppolo, Projeto BioPesca and Faculdade de Medicina Veterinária - USP
Franciscana	Rio Grande do Sul	2003-04/n=10	Y	Gonads, liver, kidney, blubber, muscle, stomach contents, teeth and skull.	Daniel Danilewicz & Ignacio Moreno, GEMARS/CECLIMAR
Franciscana	Rio Grande do Sul	2003-04/n=?	Y	Gonads, liver, kidney, blubber, muscle, teeth, skeleton.	Mônica Muelbert, MOFURG

Cont.

Samples from directed catches or bycatches cont.

Species	Area/stock	Calendar year/ Season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Brazil cont.</b>					
Rough toothed dolphin	São Paulo	2003-04	Y	Brain, lung, heart, stomach, intestine, liver, kidney, pancreas, adrenals, gonads, muscle, blubber, skin, teeth	C. P. Bertozzi, J. Marigo. & V. Ruoppolo, Projeto BioPesca and Faculdade de Medicina Veterinária - USP
Tucuxi	Ceará	2003-04/n=1	Y	Stomach contents, parasites	Cristine Negrão, AQUASIS
Tucuxi	Ceará	2003-04/n=1	Y	Heart, lung, adrenals, spleen, kidney, gonads, brain	Cristine Negrão, AQUASIS
Tucuxi	Rio de Janeiro	2003-04/n=3	Y	Liver, kidney, heart, gonads, stomach, blood, muscle, skin, blubber, teeth	A.P. Di Benedetto, UENF-LCA
<b>Denmark</b>					
Minke whale	Greenland	2003/12	Y	Skin	GN
Fin whale	Greenland	2003/1	Y	Skin	GN
Harbour porpoise	Denmark	2003/several	Y	Not specified	FNA/FMM
<b>Germany</b>					
Harbour porpoise	Baltic Sea (Schleswig-Holstein)	1	1	All organs, central nervous system, skeletal system	U. Siebert
Harbour porpoise	Baltic Sea (Schleswig-Holstein)	3	3	All organs, central nervous system, skeletal system	U. Siebert
Harbour porpoise	Baltic Sea (Meckl.-Prepom.)	2	2	All organs, central nervous system, skeletal system	H. Benke
<b>Iceland</b>					
Minke whale	Icelandic waters	Aug-Sept 2003/36, June 2004/15	-	Blubber, liver, stomach, blood, urine, tissue from major organs, faeces, stomach/intestinal contents, spleen, gonads, eye lenses, earplugs, muscle, ovaries, sperm, fat, heart, bone, kidney, lung, skin	MRI
Humpback (foetus)	NE-Iceland	2003/Nov/1	Y	Whole	MRI
Humpback whale	E-Iceland	2003/Jun/1	Y	Gonads, liver, kidney, skin, blood, blubber, muscle, stomach	MRI
Humpback whale	SE-Iceland	2003/Apr/1	N		MRI
Humpback whale	N-Iceland	2003/May/1	N		MRI
<b>Ireland</b>					
Risso's dolphin	NE Atlantic	1	Y	Skin, blubber, etc	UCC
Common dolphin	NE Atlantic	1	Y	Skin, blubber, etc	UCC
<b>Japan</b>					
Antarctic minke whale	Antarctic	2003-2004/440	Y	Biological materials	ICR
Common minke whale	Western North Pacific	2003/100	Y	Blubber, muscle, liver, heart, kidney, intestine, mammary gland, ovary, testis, epididymis, blood, umbilical cord, stomach contents, parasites, earplug, tympanic bullae, baleen, brain, skull	ICR
Minke whale	Sanriku, northeastern Japan	2003/50	Y	Stomach contents, blubber, skin, muscle, liver, heart, kidney, vertebrae, mammary gland, uterine horn, ovary, testis, epididymis, parasites, earplug, tympanic bullae, baleen	ICR
Bryde's whale	Western North Pacific	2003/50	Y	Blubber, muscle, liver, heart, kidney, intestine, mammary gland, uterine horn, milk, ovary, testis, epididymis, urine, blood, umbilical cord, stomach contents, parasites, earplug, tympanic bullae, baleen, brain, skull, skeleton, fat	ICR
Sei whale	Western North Pacific	2003/50	Y	Blubber, muscle, liver, heart, kidney, intestine, mammary gland, uterine horn, milk, ovary, testis, epididymis, urine, blood, umbilical cord, stomach contents, parasites, earplug, tympanic bullae, baleen, brain, skull, skeleton, fat	ICR
Sperm whale	Western North Pacific	2003/10	Y	Blubber, muscle, liver, heart, kidney, intestine content, mammary gland, milk, uterine horn, ovary, testis, epididymis, blood, stomach contents, parasites, teeth, brain, skull	ICR

Cont.

Samples from directed catches or bycatches cont.

Species	Area/stock	Calendar year/ Season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Korea</b>					
Humpback whale	East Sea	1	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Minke whale	East Sea	67	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Minke whale	South Sea	9	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Minke whale	Yellow Sea	8	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Beaked whale	East Sea	3	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Common dolphin	East Sea	20	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Bottlenose dolphin	South Sea	1	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Risso's dolphin	South Sea	1	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Pacific white-sided dolphin	East Sea	1	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Harbour porpoises	East Sea	8	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Finless porpoise	Yellow Sea	77	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Finless porpoise	South Sea	2	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
Unidentified dolphin	East Sea	4	Y	Skin, blubber, muscle etc.	Z. G. Kim/NFRDI
<b>New Zealand</b>					
Common dolphin	NZ	5	Y	Skin, blubber, fixed tissues, skeletons	P. Duignan/MU
<b>Norway</b>					
Minke whales	Norway	2003	-	Stomach samples, biological material	IMR
Whales	Norway	2003	-	Tissue materials	IMR
<b>Peru</b>					
Long-beaked common dolphin	Peruvian ports	2003	Y	Tissue samples	Asociacion Pro Delphinus
Common dolphin	Peruvian ports	2003	Y	Tissue samples	Asociacion Pro Delphinus
<b>South Africa</b>					
Bottlenose dolphin	Atlantic Ocean South coast	2	Y	Teeth, gonads, skeletal remains, stomach	PEM
Bottlenose dolphin	KwaZulu-Natal - Indian Ocean	36	Y	Skin, blubber, gonads, teeth, stomach	UKZN & NSB
Indo-pacific humpback dolphin	KwaZulu-Natal	3	Y	Skin, blubber, gonads, teeth, stomach, skeletal remains	UKZN & NSB
Long-beaked common dolphin	KwaZulu-Natal	31	Y	Skin, blubber, gonads, teeth, stomach	UKZN & NSB
<b>Spain</b>					
Common dolphin	Galicia (N Spain)	36	Y	Various	Alfredo López/CEMMA S. Lens/IEO
Common dolphin	NW Spain	41	Y	Skin, blubber, teeth	Alex Aguilar/GRUMM
Harbour porpoise	Galicia (N Spain)	3	Y	Various	Alfredo López/CEMMA
<b>Sweden</b>					
Harbour porpoise	Swedish Skagerrak Sea	3	Y	Dorsal fin & teeth	A. Nilsson, GNM
Indo-Pacific bottlenose dolphin	Zanzibar, Tanzania	15	Y	All tissues	P. Berggren, SU
Spinner dolphin	Zanzibar, Tanzania	10	Y	All tissues	P. Berggren, SU
Indo-Pacific humpback dolphin	Zanzibar, Tanzania	4	Y	All tissues	P. Berggren, SU
Bottlenose dolphin	Zanzibar, Tanzania	1	Y	All tissues	P. Berggren, SU
Spotted dolphin	Zanzibar, Tanzania	2	Y	All tissues	P. Berggren, SU
<b>UK</b>					
Harbour porpoise	North Sea	5	Y	Various	Paul Jepson (IoZ)
<b>USA</b>					
Beluga whale	Bristol Bay, Alaska Chukchi Sea	2003/~20	NA	NA	L. Quakenbush R. Suydam
White whale	Alaska	2003	Y	Skin, blubber, muscle, liver, heart	Barb Mahoney AKFSC/Peggy Krahn NWFSC
White whale	Alaska	2003	Y	Skin	Larry Mercurief AKNSC/Peggy Krahn NWFSC
White whale	Alaska	2003	N	Blood, red blood cells	Shannon Atkinson AK SeaLife Center/Gina Ylitalo NWFSC

**Argentina:** \*See Beron Vera *et al.* (accepted for publication).

**Australia:** \*All samples taken from accidental bycatch. \*\* Samples not collected from all animals, number of individuals sampled is shown in brackets.

SAMPLES FROM STRANDED ANIMALS

Species	Area/Stock	Calendar year/season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Argentina</b>					
Franciscana	Buenos Aires	9	Y	Muscle	P. Bordino, M. Mendez/AquaMarina
Burmeister's porpoise	Buenos Aires	2	Y	Muscle	P. Bordino, M. Mendez/AquaMarina
Tasmacetus shepherdii	Southern Patagonia	2003	Y	Skin samples	E.A. Crespo CENPAT
Mesoplodon hectori	Northern Patagonia	2002 - 2003	Y	Skin samples	E.A. Crespo CENPAT
Hyperoodon planifrons	Northern Patagonia	2002 - 2003	Y	Skin samples	E.A. Crespo CENPAT
Ziphius cavirostris	Northern Patagonia	2002 - 2003	Y	Skin samples	E.A. Crespo CENPAT
Franciscana	Northern Patagonia	3	Y	Muscle, skin, blubber, skeleton, teeth	Fundación Cethus
Southern right whale	Peninsula Valdes	Jun-Nov 2003/31	-	Baleen, skin/blubber, muscle, bone, eyeball, internal organs, urine, cyamids	ICB
Franciscana	-	-	Y	Teeth	AquaMarina
<b>Australia</b>					
Southern right whale	TAS	1	N/A	Nil	R. Gales/DPIWE
Southern right whale	Southern Ocean	2003, n/a	-	DNA samples taken	WA Museum
Southern right whale	WA	2003, 1	Y	Skin and surface muscle	N. Cooper/WAM
Pygmy right whale	S Aust	1	Y	Blubber, skin, muscle, baleen	Museum of Victoria
Humpback whale	Group B and C	2003, n/a	-	DNA samples taken	WA Museum
Humpback whale	WA	2003, 1	Y	Skin	M Brasseur/Edith Cowan University
Humpback whale	Group V (E Aust), NSW	2	Y	Blubber, baleen	Wendy McFarlane (ORRCA), Sandy Ingleby (The Australian Museum)
Humpback whale	QLD coast (Warana Beach, Sunshine Coast)	1	?	Skull	QLD Museum
Bryde's whale	East coast	1	?	Skin, blubber, muscle, kidney, ovary, liver	Andy Marshall (DEC officer, Hastings Area) taken for the Australian Museum
False killer whale	QLD coast (Bingil Bay Beach, Chimp Pt)	1	?	Blubber	D Haynes/GBRMPA
Minke whale	S Hemisphere	2003, n/a	-	DNA samples taken	WA Museum
Sperm whale	QLD coast (btw Jardine River and Vrilya Pt, Bamaga)	1	?	Skin	Col Limpus, QPWS, Brisbane
Sperm whale	Summercloud Bay, Jervis Bay NSW	1	-	Tissue samples and jaw bone	ORRCA, DEC (Booderee National Park), Sandy Ingleby, the Australian Museum
Sperm whale	TAS	12*	Y	lower jaw (9), blubber (10), skin (10), muscle (10), liver (1), faeces (8), stomach contents (2)	R. Gales/DPIWE
Sperm whale	S Aust	2	Y	Blubber, muscle, skin,	Museum of Victoria
Pygmy sperm whale	TAS	3*	Y	Blubber (2), muscle (2), kidney (2), liver (2), skin (2), stomach contents (2), testes (1), ovaries (1), faeces (2), skeleton (2)	R. Gales/DPIWE
Pygmy sperm whale	E Aust	?	Y	Liver, heart, kidney, muscle	S Ingleby, Aust Museum
Unidentified baleen whale	Tasmania	1	N/A	Nil	R. Gales/DPIWE
Long finned pilot whale	TAS	1120*	Y	Blubber (39), muscle (39), skin (39), liver (1), kidney (1), teeth(3)	R. Gales/DPIWE
Pilot whale	SA coastline	2	2Y	Genetic tissues (blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/SA Museum
Short-finned pilot whale	QLD coast	1	?	Skeleton, kidney, lung, stomach: nematodes, stomach: squid beaks	Skeleton-QLD Museum, kidney-DNR Indooroopilly, Lung-QPWS Toonah, nematodes-R Allard, Squid beaks-H Genetskie
Cuvier's beaked whale	TAS	1	Y	blubber, muscle, kidney, liver, stomach contents, skull	R. Gales/DPIWE
Dense beaked whale	Lord Howe Island	1	N	Muscle, skin, blubber	Geoff Kelly, (DEC Lord Howe Island)
Gray's beaked whale	SA	2	2Y	Genetic tissues (blood, liver, kidney, muscle, skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A.Museum

Cont.

Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Australia cont.</b>					
Shepherd's beaked whale	S Hemisphere (WA) Tasmania	2003, n/a 1	- Y	DNA samples taken blubber, muscle, kidney, liver, skin, stomach contents, skeleton	WA Museum R. Gales/DPIWE
Strap-toothed beaked whale	SA	2	2Y	Genetic tissues,( blood liver kidney muscle skin) reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber	C. Kemper/S.A.Museum
Indo-Pacific humpback dolphin	NT	1	Y	Measurements only	Ray Chatto/NT PWC
Bottlenose dolphin	Tasmania	28*	Y	Blubber (11) , muscle (11), skin (11)	R. Gales/DPIWE
Bottlenose dolphin	SA	4	1Y	Genetic tissues (blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A.Museum
Bottlenose dolphin	SE Aust	2	Y	Blubber, skin, all major organs and teeth (1)	Verne Dove (Uni of Melbourne) has samples from one of the animals. Steve Mc Kechnie (Monash Uni) has blubber and skin of the other.
Bottlenose dolphin	NSW	1	N	Stomach content	C. Ganassin/NSWF
Indo-Pacific bottlenose dolphin	SA	4	4Y	Genetic tissues,( blood liver kidney muscle skin) reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/S.A.Museum
Unidentified dolphin	Tasmania	3	N/A	Nil	R. Gales/DPIWE
Bottlenose dolphin	Inscription Point/Botany	-	Y	Full histological set	Karrie Rose/Taronga Zoo
Risso's dolphin	Iluka	1	N	Blubber	DEC office, Clarence North
Spinner dolphin	QLD coast (Burleigh Heads, Gold Coast)	1	?	Skin, blubber, liver, muscle	Duncan Limpus, QPWS, Brisbane
Striped dolphin	NSW	1	N	stomach	C. Ganassin/NSWF
Dusky dolphin	TAS	2	Y	Blubber (2), muscle (2), kidney (1), liver (1), skin (2), stomach contents (2), skeleton (2)	R. Gales/DPIWE
Common dolphin	Tasmania	9*	Y	Blubber (6) , muscle (6), skin (6), kidney (6), liver (6), stomach contents (6), skeleton (1).	R. Gales/DPIWE*
Common dolphin	SE Aust	1	Y		Museum of Victoria recovered the body, refer to them for details of samples kept.
Common dolphin	SA coastline	13	9Y	Genetic tissues ( blood liver kidney muscle skin), reproductives, stomach and intestines, toxic contaminants (liver, kidney, muscle, blubber)	C. Kemper/SA Museum
Common dolphin	Burleigh/Gold Coast	-	Y	Full histological set	Karrie Rose/Taronga Zoo
Common dolphin	Bondi Beach, NSW	-	Y	Full histological set	Karrie Rose/Taronga Zoo
Cetacean sp.	Tasmania	2003/2	N	Dorsal fins	DPIWE
Common dolphin	NSW	2003	To be analysed	Stomach contents	NSW Fisheries
Bottlenose dolphin	NSW	2003	To be analysed	Stomach contents	NSW Fisheries
<b>Brazil</b>					
Antarctic minke whale	Ceará	2003(?)n=1	Y	Skull	Cristine Negrão, AQUASIS
Arnoux's beaked whale	Rio Grande do Sul	2003-04/n=1	Y	Skull, teeth, appendicular skeleton and stomach contents	Ignacio Moreno, GEMARS/CECLIMAR
Atlantic spotted dolphin	São Paulo	2003-04/n=2	Y	Skull	André Vicente, CEEMAM
Beaked whale	Alagoas	2003-04	Y	Muscle	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Bottlenose dolphin	Pernambuco	2003-04/n=1	Y	Muscle	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA

Cont.

Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Brazil cont.</b>					
Bottlenose dolphin	Bahia	2003-04/n=2	Y	Liver, kidney, lung, blood, stomach	Luciano W. D. Reis, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Bottlenose dolphin	Rio de Janeiro	2003-04/n=1	Y	Kidney, liver, lung, muscle, stomach,, intestine, heart, blubber, skin	José Lailson-Brito , UERJ
Bottlenose dolphin	São Paulo	2003-04/n=1	Y	Skull, teeth	A.R. Santos-Lopes, IPeC
Bottlenose dolphin	Santa Catarina	2003-04/n=1	Y	Complete skeleton	Marta Cremer, UNIVILLE
Bottlenose dolphin	Rio Grande do Sul	2003-04/n=4	Y	Muscle, liver, heart, intestine, kidney, lung, stomach contents, gonads, teeth and skull	Ignacio Moreno, GEMARS/CECLIMAR
Bottlenose dolphin	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Bryde's whale	Rio de Janeiro	2003-04/n=2	Y	Muscle, blubber, skin	José Lailson-Brito , UERJ
Bryde's whale	São Paulo	2003-04/n=3	Y	Skull, stomach contents	A. R. Santos-Lopes, IPeC
Bryde's whale	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Clymene dolphin	Ceará	2003-04/n=1	Y	Heart, lung, stomach, liver, spleen, linfonodos, adrenals, kidney, bladder, gonads, brain, parasites	Cristine Negrão, AQUASIS.
Clymene dolphin	Bahia	2003-04/n=8	Y	Liver, kidney, lung, blood, stomach.	Luciano W. D. Reis, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Common minke whale	Rio Grande do Sul	2003-04/n=2	Y	Skull, muscle, right pectoral fin	Ignacio Moreno, GEMARS/CECLIMAR
Common minke whale	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Common dolphin	Rio de Janeiro	2003-04/n=2	Y	Kidney, liver, lung, muscle, stomach,, intestine, heart, blubber, skin	José Lailson-Brito , UERJ
Common dolphin	Rio Grande do Sul	2003-04/n=1	Y	Skull, teeth	Ignacio Moreno, GEMARS/CECLIMAR
Common dolphin	Rio Grande do Sul	2003-04/n ?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Common porpoise	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Cuvier's beaked whale	Bahia	2003-04/n=2	Y	Skull, skeleton	Luciano W. D. Reis, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Cuvier's beaked whale	Sergipe	2003-04/n=1	Y	Skull, skeleton	Adolfo Hubner de Jesus, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Cuvier's beaked whale	Bahia	2003-04/n=2	Y	Muscle, skull	Milton Marcondes, Instituto Baleia Jubarte
Dwarf sperm whale Franciscana	Rio Grande do Norte	2003-04/n=1	Y	Skull	Priscila Medeiros, UFRN
Franciscana	Espírito Santo	2003-04/n=1	Y	Skin, muscle, skeleton, stomach contents, blubber	Milton Marcondes, Instituto Baleia Jubarte
Franciscana	São Paulo	2003-04/n=4	Y	Muscle, blubber, stomach contents	André Vicente, CEEMAM
Franciscana	São Paulo	2003-04/n=7	Y	Brain, lung, heart, stomach, intestine, liver, kidney, pancreas, adrenals, gonads, muscle, blubber, skin, teeth	C.P. Bertozzi, J. Marigo & V. Ruopolo, Projeto BioPesca and Faculdade de Medicina Veterinária da USP
Franciscana	São Paulo	2003-04/n=5	Y	Skull, teeth, penis, stomach contents, gonads, tongue	A.R. Santos-Lopes, IPeC
Franciscana	Santa Catarina	2003-04/n=3	Y	Blubber, kidneys, stomach, liver, intestines, muscle, complete skeleton.	Marta Cremer, UNIVILLE
Franciscana	Rio Grande do Sul	2003-04/n=62	Y	Gonads, liver, kidney, blubber, muscle, stomach contents, tongue, vestigial, axial skeleton, teeth and skull	Ignacio Moreno, GEMARS/CECLIMAR
Franciscana	Rio Grande do Sul	2003-04/n=55	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Humpback whale	Alagoas	2003-04/n=1	Y	Skin, blubber, muscle	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Humpback whale	Alagoas	2003-04/n=1	Y	Baleen	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA

Cont.

Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Brazil cont.</b>					
Humpback whale	Bahia	2003-04/n=4	Y	Muscle, parasites, kidneys, liver	Luciano W. D. Reis & Renata L. G Batista, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Humpback whale	Bahia, Espirito Santo	2003-04/n=6	Y	Bones, skull, blubber, skin, muscle, blood	Milton Marcondes, Instituto Baleia Jubarte
Humpback whale	Rio de Janeiro	2003-04/n=1	Y	Skin, blubber, muscle	A.P. Di Benditto, UENF/LCA
Killer whale	Rio Grande do Sul	2003-04/n=1	Y	Skull, teeth	Ignacio Moreno, GEMARS/CECLIMAR
Long-finned pilot whale	Rio Grande do Sul	2003-04/n=1	Y	Skull, teeth, skeleton, muscle, intestine, heart, liver, tongue, blubber and stomach contents	Ignacio Moreno, GEMARS/CECLIMAR
Melon headed whale	Ceará	2003-04/n=1	Y	Stomach contents	Criatine Negrão, AQUASIS
Melon headed whale	Bahia	2003-04/n=1	Y	Skeleton	Renata L. G Batista, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Minke whale	Santa Catarina	2003-04/n=1	Y	Complete skeleton	Marta Cremer, UNIVILLE
Pygmy killer whale	Bahia	2003-04/n=1	Y	Skeleton	Renata L. G Batista, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Pygmy sperm whale	Rio Grande do Norte	2003-04/n=1	Y	Teeth	Priscila Medeiros, UFRN
	Bahia	2003-04/n=1	Y	Liver, kidney, lung, blood, stomach	Luciano W. D. Reis, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Right whale	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG
Risso's dolphin	Rio de Janeiro	2003-04/n=1	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber, skin	José Lailson-Brito, UERJ
Rorqual	Alagoas	2003-04/n=1	Y	Bones	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Rorqual	Rio Grande do Sul	2003-04/n=2	Y	Skull, muscle, gonads, blubber and baleen	Ignacio Moreno, GEMARS/CECLIMAR
Rough-toothed dolphin	Rio Grande do Norte	2003-04/n=1	N	Stomach contents	Priscila Medeiros, UFRN
Rough-toothed dolphin	Pernambuco	2003-04/n=1	Y	Muscle, bones, teeth	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Rough-toothed dolphin	Rio de Janeiro	2003-04/n=2	Y	Kidney, liver, lung, muscle, stomach,, intestine, heart, blubber, skin	José Lailson-Brito, UERJ
Short-finned pilot whale	Ceará	2003/04/n=1	Y	Stomach contents	Cristine Negrão, Aquasis
Short-finned pilot whale	Bahia	2003-04/n=1	Y	Muscle, blubber	Milton Marcondes, Instituto baleia Jubarte
Southern right whale	Rio Grande do Sul	2003-04/n= 1	Y	Muscle	Ignacio Moreno, GEMARS/CECLIMAR
Sperm whale	Ceará	2003-04/n=1	Y	Intestine, rectum	Cristine Negrão, Aquasis
Sperm whale	Alagoas	2003-04/n=1	Y	Bones, muscle	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Sperm whale	Rio Grande do Norte	2003-04/n=1	Y	Teeth	Priscila Medeiros, PPC-RN
Sperm whale	Bahia	2003-04/n=3	Y	Teeth, muscle, blubber	Milton Marcondes, Instituto Baleia Jubarte
Sperm whale	São Paulo	2003-04/n=1	Y	Skull	André Vicente, CEEMAM
Spinner dolphin	Ceará	2003-04/n=1	Y	Lung, stomach, gonads, prostate	Cristine Negrão, AQUASIS
Spinner dolphin	Ceará	2003-04/n=1	Y	Lung, heart, spleen, intestines, parasites, liver, adrenals, kidney, gonads, brain	Cristine Negrão, AQUASIS
Spinner dolphin	Rio Grande do Norte	2003-04/n=1	Y	Completed skeleton, parasites, kidney, lung, lung, liver	Priscila Medeiros, UFRN
Spinner dolphin	Rio Grande do Norte	2003-04/n =1	Y	Lung, liver, intestine, stomach, bladder, gonads, muscle, kidney	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Spinner dolphin	Pernambuco	2003-04/n=1	Y	Stomach, lung, parasite, linfonodo, muscle, liver, bones, teeth	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
<i>Stenella</i> sp.	Bahia	2003-04/n=1	Y	Skeleton, muscle	Milton Marcondes, Instituto Baleia Jubarte
<i>Stenella</i> sp.	Santa Catarina	2003-04/n=1	Y	Complete skeleton	Marta Cremer, UNIVILLE
Striped dolphin	São Paulo	2003-04/n=1	Y	Skull, teeth, penis, tongue	A.R. Santos-Lopes, IPeC
Striped dolphin	Rio Grande do Sul	2003-04/n=1	Y	Skin, vestigial, skeleton, teeth and skull	Ignacio Moreno, GEMARS/CECLIMAR
Striped dolphin	Rio Grande do Sul	2003-04/n=?	Y	Muscle, liver, kidney, blubber, gonads, skeleton, teeth	Mônica Muelbert, MOFURG

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Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Brazil cont.</b>					
Tucuxi	Piauí	2003-04/n=1	Y	Bones	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Tucuxi	Ceará	2003-04/n=1	Y	Heart, lung, liver, brain	Cristine Negrão, AQUASIS
Tucuxi	Ceará	2003-04/n=1	Y	Blubber, heart, lung, intestines, liver, pancreas, adrenals, kidney, gonads, brain	Cristine Negrão, AQUASIS
Tucuxi	Rio Grande do Norte	2003-04/n=13	Y	Skin, teeth, lung, kidney, stomach contents, skull or completed skeleton	Priscila Medeiros, UFRN
Tucuxi	Paraíba	2003-04/n=1	Y	Heart, lung, kidney, liver, adiposity, parasite, bones, teeth	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Tucuxi	Pernabuco	2003-04/n=1	Y	Liver, lung, lung parasite, mouth parasite, bones, teeth	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Tucuxi	Alagoas	2003-04/n=1	Y	Bones	Jociery Vergara, Centro Mamíferos Aquáticos, IBAMA
Tucuxi	Sergipe	2003-04/n=5	Y	Skeleton, teeth, parasites, gonads, kidneys	Adolfo Hubner de Jesus, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Tucuxi	Bahia	2003-04/n=16	Y	Liver, kidney, lung, blood, stomach	Luciano W. D. Reis, Sociedade Pesquisa e Conservação dos Mamíferos Aquáticos
Tucuxi	Bahia	2003-04/n=7	Y	Heart, adrenal gland, Skin, Muscle, Skeleton, Stomach contents, blubber, parasites, kidney	Milton Marcondes, Instituto Baleia Jubarte
Tucuxi	Rio de Janeiro	2003-04/n=9	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber, skin	José Lailson-Brito, UERJ
Tucuxi	São Paulo	2003-04/n=1	Y	Skin, muscle, stomach contents	Marcos Santos, Projeto Atlantis
Tucuxi	São Paulo	2003-04/n=1	Y	Skull	André Vicente, CEEMAM
Tucuxi	São Paulo	2003-04/n=3	Y	Brain, lung, heart, stomach, intestine, liver, kidney, pancreas, adrenals, gonads, muscle, blubber, skin, teeth	C.P. Bertozzi, J. Marigo & V. Ruopolo, Projeto BioPesca and Faculdade de Medicina Veterinária da USP
Tucuxi	São Paulo	2003-04/n=6	Y	Skull, teeth, gonads, stomach contents, gonads, tongue	A.R. Santos-Lopes, IPeC
Tucuxi	Santa Catarina	2003-04/n=2	Y	Blubber, kidneys, stomach, liver, intestines, complete skeleton	Marta Cremer, UNIVILLE
Tucuxi	Santa Catarina	2003-04/n=1	Y	Skin, blubber and muscle	Paulo A. Flores, IWC-Brazil
<b>Denmark</b>					
Harbour porpoise	Danish waters	2003/several	Y	Not specified	FNA/FMM
<b>France</b>					
Fin whale	Atlantic	2003/3	Y	Various tissues	CRMM
Pygmy sperm whale	Atlantic	2003/1	Y	Various tissues	CRMM
Cuvier's beaked whale	Atlantic	2003/1	Y	Various tissues	CRMM
Cuvier's beaked whale	Mediterranean	2003/1	Y	Various tissues	GECEM
Common dolphin	Atlantic	2003/42	Y	Various tissues	CRMM/GEFMA/GECC
Striped dolphin	Atlantic	2002/16	Y	Various tissues	CRMM/GEFMA
Striped dolphin	Mediterranean	2003/12	Y	Various tissues	GECEM
Bottlenose dolphin	Atlantic	2003/12	Y	Various tissues	CRMM/GEFMA
Bottlenose dolphin	Mediterranean	2003/2	Y	Various tissues	GECEM
Long finned pilot whale	Atlantic	2003/5	Y	Various tissues	CRMM
Risso's dolphin	Atlantic	2003/1	Y	Various tissues	CRMM
Harbour porpoise	Atlantic	2003/12	Y	Various tissues	CRMM/GEFMA/GECC
<b>Germany</b>					
Harbour porpoise	North Sea (Schleswig-Holstein)	76	10	Different tissues for histopathology, toxicology, genetics	U. Siebert
Harbour porpoise	Lower Saxony	5	5	Lung, liver, different tissues	M. Stede
Harbour porpoise	Baltic Sea (Schleswig-Holstein)	23	20	Different tissues for histopathology, toxicology, genetics	U. Siebert
Harbour porpoise	Baltic Sea (Meckl.-Prepommern)	21	19	Skeleton, various tissues	H. Benke
Harbour porpoise	German coast	2003	Y	Tissue for histology, microbiology, virology, serology; parasites	

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Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Iceland</b>					
Minke whale		2003/Jul/one	Y	Gonads, stomach, muscle, blood, skin	MRI
Sperm whale		2004/Jan/two	Y	Teeth	MRI
Sperm whale		2003/Jul/one	Y	Teeth	MRI
Northern bottlenose whale		2004/Feb/one	Y	Teeth, muscle, blood, skin	MRI
Northern bottlenose whale		2004/Aug/two	Y	Gonads, stomach, muscle, blood	MRI
<b>Ireland</b>					
Fin whale	NE Atlantic	1	Y	Skin	UCC
Minke whale	NE Atlantic	1	Y	Skin, Blubber etc	UCC
White-sided dolphin	NE Atlantic	1	Y	Skin, blubber etc	UCC
Striped dolphin	NE Atlantic	4	Y	Skin, blubber etc	UCC
Common dolphin	NE Atlantic	17	Y	Skin, blubber etc	UCC
Harbour porpoise	NE Atlantic	10	Y	Skin, blubber	UCC
Various cetaceans	Irish coasts	25	Y	Full post-mortem sampling	UCC
Various cetaceans	Irish coasts	10	Y	Skin, teeth	UCC
<b>Italy</b>					
Bottlenose dolphin	Northern Tyrrhenian Sea	2003/1	Y	Liver, heart, skin, blubber, muscle	Fozzi/CTS
Striped dolphin	Northern Tyrrhenian Sea	2003/1	Y	Liver, kidney, heart, skin, blubber, muscle	Fozzi/CTS
<b>Japan</b>					
Minke whale	-	2003	Y	Tissue samples	ICR
Sperm whale	Wakayama	2003	Y	Teeth, skin	H. Sato and Hara
Bryde's whale	Japan	April 2004/1	Y	Skull, skeleton, baleen	ICR/AL
Sei whale	Japan	April 2004/1	Y	Skeleton	ICR/AL
Right whale	Kawajiri Port, Hitachi City	April 2004/1	Y	Baleen	ICR/AL
Fin whale	Hitachinaka Port, Tokai village	March 2004/1	Y	Blubber, muscle, kidney, stomach contents, skull, skeleton	ICR/Oarai Aqua World Aquarium/Ibaraki Nature Museum
<b>Korea</b>					
Minke whale	South Sea	2003/1	Y	Skin, blubber, muscle etc	Z.G. Kim/NFRDI
Minke whale	East Sea	2003/4	Y	Skin, blubber, muscle etc	Z.G. Kim/NFRDI
<b>Netherlands</b>					
Harbour porpoise	-	2003	Y	Tissue, stomach contents	NMNH
White-beaked dolphin	-	2003	Y	Tissue, stomach contents	NMNH
Long-finned pilot whale	-	2003	Y	Tissue, stomach contents	NMNH
Humpback whale	-	2003	Y	Tissue, stomach contents	NMNH
<b>New Zealand</b>					
Arnoux's beaked whale	NZ	1	Y	Skin and blubber	D. Steel/AU
Bottlenose dolphin	NZ	2	Y	Skin and blubber	D. Steel/AU
Bryde's whale	NZ	4	Y	Skin and blubber	D. Steel/AU
Common dolphin	NZ	4	Y	Skin and blubber	D. Steel/AU
Cuvier's beaked whale	NZ	2	Y	Skin and blubber	D. Steel/AU
Dusky dolphin	NZ	1	Y	Skin and blubber	D. Steel/AU
False killer whale	NZ	1	Y	Skin and blubber	D. Steel/AU
Gray's beaked whale	NZ	2	Y	Skin and blubber	D. Steel/AU
Humpback whale	NZ	1	Y	Skin and blubber	D. Steel/AU
Killer whale	NZ	3	Y	Skin and blubber	D. Steel/AU
Long-finned pilot whale	NZ	123	Y	Skin and blubber	D. Steel/AU
Pygmy right whale	NZ	1	Y	Skin and blubber	D. Steel/AU
Pygmy sperm whale	NZ	2	Y	Skin and blubber	D. Steel/AU
Sperm whale	NZ	12	Y	Skin and blubber	D. Steel/AU
Straptooth whale	NZ	1	Y	Skin and blubber	D. Steel/AU
<b>Oman</b>					
<i>Balaenoptera</i> sp.	Arabian Sea/Gulf of Oman	2003-2004/1	N	Connective tissue	OWDRG/ONHM
<i>Balaenoptera</i> sp.	Oman	2	Y	Stomach samples	OWDRG/Sultan Qaboos University
Indo-Pacific humpback dolphin	Arabian Sea/Gulf of Oman	2003-2004/1	N	Skin, muscle	OWDRG/ONHM
Indo-Pacific humpback dolphin	Oman	9	Y	Stomach samples	OWDRG/Sultan Qaboos University
<i>Tursiops</i> sp.	Arabian Sea/Gulf of Oman	2003-2004/1	N	Skin, muscle	OWDRG/ONHM
<i>Tursiops</i> sp.	Oman	17	Y	Stomach samples	OWDRG/Sultan Qaboos University

Cont

Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Oman cont.</b>					
Spinner dolphin	Arabian Sea/Gulf of Oman	2003-2004/2	N	Skin, muscle	OWDRG/ONHM
Spinner dolphin	Oman	3	Y	Stomach samples	OWDRG/Sultan Qaboos University
Unidentified whale	Arabian Sea/Gulf of Oman	2003-2004/1	N	Dried connective tissue	OWDRG/ONHM
Sperm whale	Oman	1	Y	Stomach samples	OWDRG/Sultan Qaboos University
False killer whale	Oman	9	Y	Stomach samples	OWDRG/Sultan Qaboos University
Rough-toothed dolphin	Oman	2	Y	Stomach samples	OWDRG/Sultan Qaboos University
Common dolphin	Oman	4	Y	Stomach samples	OWDRG/Sultan Qaboos University
<b>Peru</b>					
Sperm whale	Northern Peru	2003/1	Y	Skin	IMARPE
<b>South Africa</b>					
Bryde's whale	Eastern Cape	1	Y	Baleen, skeletal remains	CDS
Bryde's whale	West Coast	1	N	Skin	DEAT
Bryde's whale	East Coast	1	Y	Skin	PEM
Dwarf sperm whale	Eastern Cape	1	Y	Teeth, skeletal remains, stomach	CDS
Dwarf sperm whale	West Coast	1	N	Skin, blubber, teeth, gonads, skeletal remains, stomach	DEAT
Humpback whale	Eastern Cape	1	Y	Blubber, skeletal remains, ext. parasites	CDS
Humpback whale	West Coast	2	N	Skin, baleen, ext. parasites	DEAT
Humpback whale (neonate)	KwaZulu-Natal	1	Y	Skin, blubber	UKZN
Pygmy sperm whale	West coast	1	N	Skin, teeth, skeletal remains, Stomach	DEAT
Southern right whale	East Coast	1	N	Skin, internal parasites	DEAT
Southern right whale	East Coast	1	N		PEM
Atlantic Ocean bottlenose dolphin	East Coast	4	N		PEM
Common dolphin	West Coast	1	N	Skin	DEAT
Dusky dolphin	West Coast	1	N	Skin, blubber, teeth, gonads, skeletal remains, stomach	DEAT
Indian Ocean bottlenose dolphin	KwaZulu-Natal	2	Y	Skin, blubber, gonads, teeth, stomach	UKZN & NSB
Indian Ocean bottlenose dolphin	Eastern Cape	1	Y	Teeth, skeletal remains	CDS
Indian Ocean bottlenose dolphin	Eastern Cape	1			CDS
Pan-tropical spotted dolphin	KwaZulu-Natal	1	Y	Skin, blubber, gonads, teeth, stomach, skeletal remains	UKZN & NSB
Risso's dolphin	East Coast	1	N		PEM
Sperm whale	S Africa (W Coast)	1	Y	Skin, teeth, ext. parasites	MRIWU
Pan-tropical spotted dolphin	S Africa (W Coast)	1	Y	Skin, teeth, gonads, internal parasites, skeletal remains, stomach	MRIWU
Dusky dolphin	S Africa (W Coast)	1	Y	Skin, teeth	MRIWU
Layard's beaked whale	S Africa (W Coast)	1	Y	Teeth, stomach	MRIWU
Pygmy right whale	S Africa (S Coast)	1	Y	Skin, baleen, gonads, internal parasites, skeletal remains, stomach	MRIWU
Layard's beaked whale	S Africa (W Coast)	1	Y	Skeletal remains, stomach	MRIWU
True's beaked whale	S Africa (S Coast)	1	Y	Skin, teeth, gonads, internal parasites, stomach	MRIWU
Pygmy sperm whale	S Africa (S Coast)	1	Y	Skin, teeth, skeletal remains, stomach	MRIWU
Humpback whale	S Africa (S Coast)	1	Y	Skin, ext. parasites	MRIWU
Atlantic Ocean bottlenose dolphin	S Africa (S coast)	1	Y	Skin, teeth, gonads, internal parasites, skeletal remains, stomach	MRIWU
Common dolphin spp.	S Africa (S Coast)	1	Y	Frozen	MRIWU
Southern right whale	S Africa (S Coast)	1	Y	Skin	MRIWU
Humpback whale	Namibia	1	Y	Skin, ext. parasites	MFMR, Namibia
Southern right whale	S Africa (S Coast)	1	Y	Skin, baleen	MRIWU
Southern right whale	S Africa (S Coast)	1	Y	Skin, baleen	MRIWU
Humpback whale	S Africa (W Coast)	1	Y	Skin, blubber, baleen, ext. parasites	MRIWU

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Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Spain</b>					
Minke whale	Galicia (N Spain)	2	Y	Complete necropsy	Alfredo López/CEMMA
Minke whale	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Fin whale	Galicia (N Spain)	1	Y	Complete necropsy	Alfredo López/CEMMA
Fin whale	Valencia Region (E Spain)	1	Y	Various	Juan Antonio Raga/UV
Common dolphin	Almería (S Spain)	25	Y	Complete necropsy	F. Toledano/PROMAR
Common dolphin	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Common dolphin	Valencia Region (E Spain)	2	Y	Complete necropsy	Juan Antonio Raga/UV
Common dolphin	Galicia (N Spain)	107	Y	Complete necropsy	Alfredo López/CEMMA
Common dolphin	Asturias (N Spain)	5	Y	Complete necropsy	Luis Laría/CEPESMA
Common dolphin	Basque Country (N Spain)	8	Y	Stomach, teeth, gonads, skin	Pablo Cermeño/AMBAR
Common dolphin	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Long-finned pilot whale	Galicia (N Spain)	4	Y	Complete necropsy	Alfredo López/CEMMA
Long-finned pilot whale	Basque Country (N Spain)	2	Y	Stomach, teeth	Pablo Cermeño/AMBAR
Long-finned pilot whale	Asturias (N Spain)	5	Y	Complete necropsy	Luis Laría/CEPESMA
Long-finned pilot whale	Almería (S Spain)	3	Y	Complete necropsy	F. Toledano/PROMAR
Long-finned pilot whale	Valencia Region (E Spain)	1	Y	Various	Juan Antonio Raga/UV
Short-finned pilot whale	Canary Islands	2	Y	Complete necropsy	A.Fernández/ULPGC
Risso's dolphin	Galicia (N Spain)	2	Y	Complete necropsy	Alfredo López/CEMMA
Risso's dolphin	Asturias (N Spain)	1	Y	Complete necropsy	Luis Laría/CEPESMA
Risso's dolphin	Catalonia (NE Spain)	2	Y	Various	Manel Gazo/Fundació CRAM
Risso's dolphin	Basque Country (N Spain)	1	Y	Stomach, teeth	Pablo Cermeño/AMBAR
Risso's dolphin	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Risso's dolphin	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Risso's dolphin	Almería (S Spain)	3	Y	Complete necropsy	F. Toledano/PROMAR
Risso's dolphin	Valencia Region (E Spain)	1	Y	Complete necropsy	Juan Antonio Raga/UV
Pygmy sperm whale	Galicia (N Spain)	1	Y	Complete necropsy	Alfredo López/CEMMA
Dwarf sperm whale	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Blainville's beaked whale	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Gervais' beaked whale	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Harbour porpoise	Galicia (N Spain)	11	Y	Complete necropsy	Alfredo López/CEMMA
Harbour porpoise	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Harbour porpoise	Spain	1	Y	Skin sample	AMBAR
Sperm whale	Asturias (N Spain)	1	Y	Complete necropsy	Luis Laría/CEPESMA
Sperm whale	Canary Islands	2	Y	Complete necropsy	A.Fernández/ULPGC
Sperm whale	Galicia (N Spain)	3	Y	Complete necropsy	Alfredo López/CEMMA
Sperm whale	Galicia (N Spain)	13	Y	Complete necropsy	Alfredo López/CEMMA
Sperm whale	Asturias (N Spain)	5	Y	Complete necropsy	Luis Laría/CEPESMA
Striped dolphin	Basque Country (N Spain)	5	Y	Stomach, teeth	Pablo Cermeño/AMBAR
Striped dolphin	Catalonia (NE Spain)	15	Y	Complete necropsy	Manel Gazo/Fundació CRAM
Striped dolphin	Balearic Islands	6	Y	Skin, blubber, teeth	Alex Aguilar/GRUMM
Striped dolphin	Valencia Region (E Spain)	36	Y	Complete necropsy	Juan Antonio Raga/UV
Striped dolphin	Almería (S Spain)	24	Y	Complete necropsy	F. Toledano/PROMAR
Striped dolphin	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Striped dolphin	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
Spotted dolphin	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
False killer whale	Galicia (N Spain)	7	Y	Complete necropsy	Alfredo López/CEMMA
Bottlenose dolphin	Andalucía (S Spain)		Y	Complete necropsy	JoséLuis Mons Checa/CREMA
Bottlenose dolphin	Galicia (N Spain)	8	Y	Complete necropsy	Alfredo López/CEMMA
Bottlenose dolphin	Asturias (N Spain)	2	Y	Complete necropsy	Luis Laría/CEPESMA
Bottlenose dolphin	Basque Country (N Spain)	5	Y	Stomach, teeth, gonads, skin	Pablo Cermeño/AMBAR
Bottlenose dolphin	Catalonia (NE Spain)	4	Y	Various	Manel Gazo/Fundació CRAM
Bottlenose dolphin	Spain	2	Y	Skin samples	AMBAR
Bottlenose dolphin	Valencia Region (E Spain)	7	Y	Complete necropsy	Juan Antonio Raga/UV
Bottlenose dolphin	Balearic Islands	3	Y	Skin, blubber, teeth	Alex Aguilar/GRUMM
Bottlenose dolphin	Canary Islands	2	Y	Complete necropsy	A.Fernández/ULPGC
Unidentified dolphin	Galicia (N Spain)	18	Y		Alfredo López/CEMMA

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Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>Spain cont.</b>					
Unidentified dolphin	Almería (S Spain)	21	Y		F. Toledano/PROMAR
Unidentified dolphin	Basque Country (N Spain)	2	Y		Pablo Cermeño/AMBAR
Unidentified dolphin	Asturias (N Spain)	2	Y		Luis Laría/CEPESMA
Cuvier's beaked whale	Basque Country (N Spain)	2	Y	Stomach, teeth, gonads, skin	Pablo Cermeño/AMBAR
Cuvier's beaked whale	Canary Islands	1	Y	Complete necropsy	A.Fernández/ULPGC
<b>Sweden</b>					
Harbour porpoise	Skagerrak, Kattegat and Oresund	2003/16	Y	Dorsal fin and teeth	A. Nilsson, GNM
Harbour porpoise	Baltic Sea	2003/1	Y	All tissues	I. Carlen, NRM
<b>UK</b>					
Sperm whale	UK	2	Y	Teeth	Richard Sabin (NHM)
Striped dolphin	UK	2	Y	Skulls, teeth	Richard Sabin (NHM)
Harbour porpoise	UK	111	Y	Various	Paul Jepson (IoZ)
Short beaked common dolphin	UK	41	Y	Various	Paul Jepson (IoZ)
Striped dolphin	UK	9	Y	Various	Paul Jepson (IoZ)
Atlantic white-sided dolphin	UK	7	Y	Various	Paul Jepson (IoZ)
Minke whale	UK	4	Y	Various	Paul Jepson (IoZ)
White-beaked dolphin	UK	3	Y	Various	Paul Jepson (IoZ)
Common bottlenose dolphin	UK	2	Y	Various	Paul Jepson (IoZ)
Sowerby's beaked whale	UK	1	Y	Various	Paul Jepson (IoZ)
Sperm whale	UK	1	Y	Various	Paul Jepson (IoZ)
<b>USA</b>					
Atlantic spotted dolphin	NW Atlantic	12	Y	Various*	Dana Hartley, NER Stranding Network
Bottlenose dolphin	Atlantic	156	Y	Various*	Dana Hartley, NER Stranding Network
Common/saddleback dolphin	Atlantic	47	Y	Various*	Dana Hartley, NER Stranding Network
Gray grampus (Risso's dolphin)	Atlantic	32	Y	Various*	Dana Hartley, NER Stranding Network
Harbor porpoise	Atlantic	92	Y	Various*	Dana Hartley, NER Stranding Network
Humpback whale	Atlantic	24	Y	Various*	Dana Hartley, NER Stranding Network
Minke whale	Atlantic	18	Y	Various*	Dana Hartley, NER Stranding Network
Pilot whale (long-finned)	Atlantic	18	Y	Various*	Dana Hartley, NER Stranding Network
Pygmy sperm whale	NW Atlantic	1	Y	Skull	Dana Hartley, NER Stranding Network
Sei whale	Mid-Atlantic	13	Y	Various*	Dana Hartley, NER Stranding Network
Striped dolphin	Atlantic	12	Y	Various*	Dana Hartley, NER Stranding Network
Unidentified Balaenopterid	Atlantic	4	Y	Skin, muscle, bone	Dana Hartley, NER Stranding Network
Unidentified dolphin/porpoise	NW Atlantic	1	Y	Various*	Dana Hartley, NER Stranding Network
Unidentified <i>stenella</i>	Mid-Atlantic	3	Y	Teeth, muscle, skull	Dana Hartley, NER Stranding Network
Unidentified toothed whale	Mid-Atlantic	2	Y	Skin, teeth	Dana Hartley, NER Stranding Network
Unidentified whale	NW Atlantic	4	Y	Skin, bone	Dana Hartley, NER Stranding Network
White-sided dolphin	NW Atlantic	96	Y	Various*	Dana Hartley, NER Stranding Network
Beluga whale	Alaska	2003/15	Y	NA	Barbara Mahoney, NMFS Alaska Region
Common dolphin	Massachusetts (W. North Atlantic)	2003/n=1	Y	NA	Joseph Green NOAA Fisheries Office of Enforcement (Scituate, MA)
Fin whale	Washington State (E. North Pacific)	2003/n=2	Y	Skin, blubber	Brent Norberg NOAA Fisheries NWR
Harbor porpoise	Washington State (E. North Pacific)	2003/n=8	Y	Skin, blubber, muscle, kidney, liver, tooth	Brad Hanson NWFSC
Humpback whale	Alaska (E. North Pacific)	2003/n=1	Y	Skin, blubber	Barb Mahoney AKFSC
Killer whale	Prince William Sound, AK	2003/n=1	Y	Skin, blubber	Barb Mahoney AKFSC
Killer whale	Oregon (West Coast Transient)	2004/n=1	Y	Skin, blubber, muscle, heart, blood, kidney, lymph node, liver, spleen, mammary gland, lung, brain	Barb Mahoney AKFSC/Peggy Krahn NWFSC
North Atlantic right whale	Florida (Western North Atlantic)	2004/n=1	Y	Skin, blubber	Teri Rowles OPR

Cont.

Samples from stranded animals cont.

Species	Area/Stock	Calendar year/ season total	Archived (Y/N)	Tissue type (s)	Contact person/institute
<b>USA cont.</b>					
Pilot whale	Massachusetts (Western North Atlantic)	2003/n=1	Y	Skin, blubber, lung, bronchi, bile, liver, stomach, stomach contents (partial)	Joseph Green NOAA Fisheries Office of Enforcement (Scituate, MA)
Pygmy sperm whale	Southeast Alaska (Eastern North Pacific)	2003/n=1	Y	Skin, blubber	Barb Mahoney AKFSC
Fin whale	San Diego County, California	2003/2	Y	Tissue, blubber	S. Chivers
Short-beaked common dolphin	San Diego County, California	2003/5	Y	Tissue, blubber	S. Chivers
Common dolphin	San Diego County, California	2003/6	Y	Tissue, blubber	S. Chivers
Gray whale	San Diego County, California	2003/1	Y	Tissue, blubber	S. Chivers
Bottlenose dolphin	San Diego County, California	2003/3	Y	Tissue, blubber	S. Chivers
Common dolphin	Buzzard's Bay, MA	2003/1	Y	Tissue, organs	G. Ylitalo and P. Krahn (NWFSC)
Pilot whale	Buzzard's Bay, MA	2003/1	Y	Tissue, organs	G. Ylitalo and P. Krahn (NWFSC)
Harbour porpoise	Washington State	2003/8	Y	Blubber	G. Ylitalo and P. Krahn (NWFSC)

**Australia:** \*Tasmanian samples lodged with Tasmanian Museum and Art Gallery for curation (Contact person: David Pemberton)

**USA:** \*Samples include some or all of the following: hard parts (i.e. teeth, jaw, skull, baleen, entire skeleton, etc) and/or soft parts (i.e. skin, gonads, muscle, blubber, blood, organs, etc). Data are entered as represented by the NOAA Fisheries NER Stranding Network and have not been formally reviewed by NOAA Fisheries.

STATISTICS FOR LARGE CETACEANS: DIRECT CATCHES (COMMERCIAL, ABORIGINAL AND SCIENTIFIC PERMITS) FOR THE  
CALENDAR YEAR 2003 OR SEASON 2003/04

Species	Type of catch	Area/stock	Males	Females	Total landed	Struck and lost
<b>Denmark</b>						
Fin whale	Aboiginal	West Greenland	2	4	6	3
Minke whale	Aboriginal	West Greenland	58	117	178	7
Minke whale	Aboriginal	East Greenland	1	11	13	1
<b>Iceland</b>						
Minke	Scientific	CIC	23	13	36	1
<b>Japan</b>						
Antarctic minke whale	Special permit	Antarctic	200	240	440	
Common minke whale	Special permit	North Pacific	114	36	150	
Sei whale	Special permit	North Pacific	23	27	50	
Bryde's whale	Special permit	North Pacific	19	31	50	
Sperm whale	Special permit	North Pacific	1	9	10	
<b>Norway</b>						
Minke whale	Small type whaling	EB, EN, ES, EC, CM			647	

OTHER NON-NATURAL MORTALITY FOR THE CALENDAR YEAR 2003 OR THE SEASON 2003/04 (LARGE CETACEANS)

Species	Area/stock	Males	Females	Total	Cause	Methodology
<b>Australia</b>						
Pilot whale	32°S 153°E			Nil (1 released alive)		15/10/2003: Longline vessel. Released alive
Dwarf minke whale	East coast			1	Ship strike	Superficial examination of
Whale	28°S 155°E			Nil (1 released alive)	Whale was foul hooked	11/11/2003: Longline vessel. Released alive.
Whale	Sunshine Coast (Mooloolaba)			Nil (1 released alive)	Commercial crab fishery set line – freed itself	freed
Baleen whale	Refuge Bay, NT			1	Possible net entanglement	Dead
Humpback whale	Group V, (Surfers Paradise, Gold			Nil (1 released alive)	Shark control program	Rescued
Humpback whale	Gold Coast QLD		Calf?	1	Entanglement (Shark control net)	Found dead
Humpback whale	Area V	2	-	2	Found dead, possible cause of death boat or propeller strike	Necropsy

Cont.

## Other non-natural mortality cont.

Species	Area/stock	Males	Females	Total	Cause	Methodology
<b>Brazil</b>						
Southern right whale	São Paulo	-	-	1	Gillnet	Post mortem
Bryde's whale <sup>1</sup>	São Paulo	-	1	1	Collision with ship	Post mortem
<b>Denmark</b>						
Humpback whale	West Greenland	?	?	1	Bycatch	Observation
<b>Iceland</b>						
Humpback	Iceland			3	Bycatch	
<b>Japan</b>						
Minke whale	Hokkaido			16	Trap net	Reported by fishermen or fishery cooperative unions
Minke whale	Aomori			8	Trap net	As above
	Iwate			12	Trap net	As above
Minke whale	Miyagi			6	Trap net	As above
Minke whale	Chiba			2	Trap net	As above
Minke whale	Kanagawa			3	Trap net	As above
Minke whale	Toyama			11	Trap net	As above
Minke whale	Niigata			6	Trap net	As above
Minke whale	Ishikawa			14	Trap net	As above
Minke whale	Fukui			1	Trap net	As above
Minke whale	Mie			1	Trap net	As above
Minke whale	Kyoto			4	Trap net	As above
Minke whale	Wakayama			3	Trap net	As above
Minke whale	Shimane			5	Trap net	As above
Minke whale	Yamaguchi			1	Trap net	As above
Minke whale	Kochi			7	Trap net	As above
Minke whale	Nagasaki			20	Trap net	As above
Minke whale	Kumamoto			2	Trap net	As above
Minke whale	Miyazaki			1	Trap net	As above
Minke whale	Kagoshima			2	Trap net	As above
Humpback whale	Hokkaido			1	Trap net	As above
Humpback whale	Mie			1	Trap net	As above
Humpback whale	Wakayama			1	Trap net	As above
Right whale	Wakayama			1	Trap net	As above
Bryde's whale	Shizuoka			1	Trap net	As above
<b>Korea</b>						
Humpback whale	East Sea	1		1	Setnet	Postmortem
Minke whale	East Sea		1	1	Trawl	
Minke whale	East Sea	5	3	11	Set net	
Minke whale	East Sea	15	6	28	Gillnet	
Minke whale	East Sea	11	10	28	Trap net	
Minke whale	East Sea	1	1	2	Unidentified	
Minke whale	Yellow Sea	2		2	Trap net	
Minke whale	Yellow Sea	1		1	Zigging	
Minke whale	Yellow Sea	1		1	Stow net	
Minke whale	Yellow Sea	3	1	4	Unidentified	
Minke whale	South Sea	2		2	Purse seine	
Minke whale	South Sea	1		1	Trawl	
Minke whale	South Sea		1	1	Set net	
Minke whale	South Sea		1	1	Gillnet	
Minke whale	South Sea	3		3	Trap net	
Minke whale				1	Unidentified	
<b>South Africa</b>						
Humpback whale	KwaZulu-Natal			8	Shark nets	Released alive
Southern right whale	KwaZulu-Natal			6	Shark nets	Released alive
Suspected whale (unknown species) <sup>a</sup>				42	Shark nets	Released alive
<b>Spain</b>						
Sperm whale	Canaries, E.N. Atlantic	1	0	1	Anthropogenic interaction	Post-mortem
Sperm whale	Canaries, E.N. Atlantic	1	0	1	Ship strike	Post-mortem
Minke whale	Andalucía (South Spain)		2	2	Fishing interaction	Post mortem
Fin whale	Andalucía (South Spain)		1	1	Fishing interaction	Post mortem

**Brazil:** <sup>1</sup> Identify by the head skull

**Japan:** Besides above records, two minke whales were incidentally taken by the trap net in Kochi, but later released alive.

**South Africa:** <sup>a</sup> These data are for holes found in the shark nets that are attributed to possible whale damage.

LARGE CETACEANS: EARLIER YEARS' STATISTICS

Year	Species	Area/stock	Males	Females	Total	Cause	Methodology
<b>Peru</b>							
1995-2003	Sperm whale	Central Peru	1	-	1	Ship strike	Post mortem
1995-2003	Humpback whale	Northern Peru	1	-	1	Gillnet	Direct observation
<b>Spain</b>							
2002	Killer whale	North Spain			1	Shot	Necropsy
2002	Sperm whale	South Spain			3	Collision with ship	
2002	Sperm whale	Canary Islands		1	1	Collision with ship	Port mortem
2002	Minke whale	South Spain			2	Fishing interaction	
2002	Fin whale	Balearic Islands (E Spain)			1	Fishing interaction	
<b>USA</b>							
2001	Northern right	Eastern USA	1	1	2	ship strike	Review of NMFS records <sup>1</sup>
2001	Northern right	Magdalen Islands, CANADA	1	0	1	entanglement	Review of NMFS records <sup>1</sup>
2001	Humpback	North Atlantic	NA	NA	1	ship strike	Review of NMFS records <sup>1</sup>
2001	Humpback	North Atlantic	0	2	2	ship strike	Review of NMFS records <sup>1</sup>
2001	Humpback	North Atlantic	2	1	3	entanglement	Review of NMFS records <sup>1</sup>
2001	Fin whale	Western N. Atlantic	0	2	2	ship strike	Review of NMFS records <sup>1</sup>
2001	Fin whale	Western N. Atlantic	NA	NA	1	entanglement	Review of NMFS records <sup>1</sup>
2001	Minke whale	Canadian East Coast Stock	NA	1	3	entanglement	Review of NMFS records <sup>1</sup>
2001	Sei whale	Nova Scotia Stock	NA	NA	1	ship strike	Review of NMFS records <sup>1</sup>
2001	Baleen whale <sup>2</sup>	Bering Sea	NA	NA	1	Entangled in trawl fishing net	Bycatch
2001	Presumed baleen whale <sup>2</sup>	Bering Sea	NA	NA	1	Cut loose with trailing trawl fishing gear	Bycatch
2001	Fin whale <sup>4</sup>	CA/OR/WA	NA	NA	1	Ship strike	Post mortem

USA:<sup>1</sup> Subsequent review of NMFS/NER stranding records found sufficient information to confirm the cause of death as collision with vessel or fishery interaction/entanglement. <sup>2</sup> From Perez, 2003. <sup>3</sup> Information from Carretta, J.V. (Pers. Comm.).

STATISTICS FOR SMALL CETACEANS: FOR THE CALENDAR YEAR 2003

Species	Area/stock	Directed Catch		Incidental Mortality			Live-capture
		Reported	Est. Total	Reported	Est. Total	Source	Reported
<b>Argentina</b>							
Franciscana	Buenos Aires	0	0	102	893	Gillnet	2
Burmeister's porpoise	Buenos Aires	0	0	9	-	Gillnet	0
<b>Australia</b>							
Spinner dolphin	Gold Coast, QLD (Burleigh Heads)	-	-	June	1	Shark control program	-
Spinner dolphin	Gold Coast, QLD (Surfers Paradise and Burleigh Heads)	-	-	October	2	Shark control program	-
Spinner dolphin	Gold Coast, QLD (Currumbin)	-	-	December	1	Shark control program	-
Pygmy sperm whale	SA	-	-	2	Unknown	OU (probably boat strike)	-
Common dolphin	Tasmania	-	-	10/04/2003	1	Salmonid farm net	-
Common dolphin	Tasmania	-	-	08/01/2003	1	Salmonid farm net	-
Common dolphin	32°S 153°	-	-	19/06/2003	1	Longline. AFMA logbook, released alive	-
Common dolphin	24°S 154°E	-	-	18/01/2003	1	Longline. AFMA logbook, released alive	-
Common dolphin	29°S 161°E	-	-	05/08/2003	1	Longline. AFMA logbook, released alive	-
Common dolphin	Surfers Paradise, QLD	-	-	October	1	Shark control program-Released alive	-
Common dolphin	Gold Coast, QLD (Currumbin, Main Beach and Burleigh Heads)	-	-	November	3	Shark control program	-
Common dolphin	Sunshine Coast, QLD (Wurtulla)	-	-	March	2	Shark control program	-
Common dolphin	Sunshine Coast, QLD (Marcoola)	-	-	September	1	Shark control program	-
Common dolphin	Sunshine Coast	-	-	15/05/02	1	Shark control net	-

Cont.

## Statistics for small cetaceans cont.

Species	Area/stock	Directed Catch		Reported	Incidental Mortality		Live-capture
		Reported	Est. Total		Reported	Est. Total	Source
<b>Australia cont.</b>							
Common dolphin	Sydney	-	-	08/10/03	1	Shark control net	-
Common dolphin	Sydney	-	-	19/11/03	1	Shark control net	-
Unidentified dolphin	Sunshine Coast, QLD (Rainbow Beach)	-	-	September	1	Shark control program	-
Unidentified dolphin	Rockhampton, QLD (Lammermoor)	-	-	November	Nil (1 released alive)	Shark control program- Released alive	-
Bottlenose dolphin	Tasmania	-	-	26/10/2003	1	Salmonid farm	-
Bottlenose dolphin	Sunshine coast, QLD	-	-	January	1	Shark control program	-
Bottlenose dolphin	Gold Coast, QLD	-	-	April	1	Shark control program	-
Bottlenose dolphin	Sunshine Coast, QLD	-	-	January	-	Shark control program	-
Bottlenose dolphin	Tweed River, NSW	-	-	17/09/03	Nil (1 released alive)	Entangled in fishing line – cut free	-
Indo-Pacific bottlenose dolphin	SA coastline	-	-	3	Unknown	Propeller strike	-
Indo-Pacific bottlenose dolphin	Gold Coast, QLD	-	-	September	Nil (1 released alive)	Entangled in fishing line- Released alive	-
Indo-Pacific bottlenose dolphin	SA coastline	-	-	2	Unknown		-
<b>Brazil</b>							
Amazon river dolphin	Central Amazon	Ca. 150	>150	3	-	Gillnet	0
Bottlenose dolphin	Bahia	0	0	1	-	Gillnet	0
Bottlenose dolphin	São Paulo	0	0	1	-	Gillnet	0
Clymene dolphin	Bahia	0	0	6	-	Gillnet	0
Franciscana	Rio de Janeiro	0	0	2	10	Gillnet	0
Franciscana	São Paulo	0	0	22	-	Gillnet	0
Franciscana	Rio Grande do Sul	0	0	77	-	Gillnet	0
Rough-toothed dolphin	São Paulo	0	0	1	-	Gillnet	0
Striped dolphin	São Paulo	0	0	1	-	Gillnet	0
Tucuxi	Ceará	-	-	4	-	?	-
Tucuxi	Ceará	-	-	1	-	Bottom Gillnet	-
Tucuxi	Sergipe	0	0	1	-	Gillnet	0
Tucuxi	Espirito Santo	0	0	5	-	Gillnet	4
Tucuxi	Espirito Santo & Bahia	0	0	4	-	Gillnet	0
Tucuxi	Bahia	0	0	16	-	Gillnet	0
Tucuxi	Rio de Janeiro	0	0	10	50	Gillnet	0
Tucuxi	São Paulo	0	0	6	-	Gillnet	0
<b>France</b>							
Common dolphin	Atlantic	0	0	41	No data	CRMM	0
Striped dolphin	Atlantic	0	0	4	No data	CRMM	0
Bottlenose dolphin	Atlantic	0	0	3	No data	CRMM	0
Bottlenose dolphin	Mediterranean	0	0	11	No data	GECEM	0
Long finned pilot w.	Atlantic	0	0	1	No data	CRMM	0
Harbour porpoise	Atlantic	0	0	10	No data	CRMM	0
<b>Germany</b>							
Harbour porpoise	North Sea			7	7	Observer	None
Harbour porpoise	Baltic Sea, Schleswig- Holstein	-	-	1	1	Gill net	None
Harbour porpoise	Baltic Sea, Mecklenburg- Prepommerania	-	-	2	2	Gill net	None
<b>Ireland</b>							
Common dolphin		0	0	1	-	BIM	0
Common dolphin		0	0	1	-	Drift net	0
Common dolphin		0	0	5	-	Determined from post- mortems (UCC).	0
Risso's dolphin		0	0	1	-	Pelagic trawler.	0
<b>Italy</b>							
Striped dolphin	Tyrrhenian sea	0	0	6		Gillnet	
<b>Korea</b>							
Baird's beaked whale	East Sea	-	-	1	-	Gillnet	-
Stejneger's beaked whale	East Sea	-	-	1	-	Set net	-
Stejneger's beaked whale	East Sea	-	-	1	-	Gillnet	-
Stejneger's beaked whale	East Sea	-	-	1	-	Drifted	-
Bottlenose dolphin	South Sea	-	-	1	-	Unidentified	-
Risso's dolphin	East Sea	-	-	1	-	Unidentified	-
Risso's dolphin	South Sea	-	-	1	-	Gillnet	-

Cont.

## Statistics for mall cetaceans cont.

Species	Area/stock	Directed Catch		Incidental Mortality			Live-capture
		Reported	Est. Total	Reported	Est. Total	Source	Reported
<b>Korea cont.</b>							
Common dolphin	East Sea	-	-	59	-	Set net	
Common dolphin	East Sea	-	-	29	-	Gillnet	
Common dolphin	East Sea	-	-	14	-	Trap net	
Common dolphin	East Sea	-	-	1	-	Zigging	
Common dolphin	East Sea	-	-	3	-	Drifted	
Common dolphin	East Sea	-	-	7	-	Unidentified	
Pacific white-sided dolphin	East Sea	-	-	3	-	Set net	
Pacific white-sided dolphin	East Sea	-	-	11	-	Gillnet	
Pacific white-sided dolphin	East Sea	-	-	3	-	Trap net	
Pacific white-sided dolphin	East Sea	-	-	1	-	Stranded	
Pacific white-sided dolphin	East Sea	-	-	1	-	Drifted	
Harbour porpoise	East Sea	-	-	48	-	Set net	
Harbour porpoise	East Sea	-	-	54	-	Gillnet	
Harbour porpoise	East Sea	-	-	1	-	Long line	
Harbour porpoise	East Sea	-	-	1	-	Stranded	
Harbour porpoise	East Sea	-	-	1	-	Drifted	
Finless porpoise	South Sea	-	-	2	-	Unidentified	
Finless porpoise	East Sea	-	-	2	-	Gillnet	
Finless porpoise	East Sea	-	-	1	-	Unidentified	
Finless porpoise	Yellow Sea	-	-	77	-	Unidentified	
Unidentified dolphins	East Sea	-	-	1	-	Set net	
Unidentified dolphins	East Sea	-	-	1	-	Trap net	
Unidentified dolphins	East Sea	-	-	1	-	Drifted	
Unidentified dolphins	East Sea	-	-	4	-	Unidentified	
<b>New Zealand</b>							
Common dolphin	New Zealand	Nil	Nil	33 <sup>a</sup>	?	Trawl	Nil
Hectors dolphin	South Island	Nil	Nil	0 <sup>b</sup>	?	Gillnet	Nil
Maui's dolphin	North Island, West Coast	Nil	Nil	0 <sup>b</sup>	?	Gillnet	Nil
<b>Oman</b>							
Humpback dolphin		-	-	1	-	Beach-cast showing signs of interaction with fishing gear	
<b>South Africa</b>							
Indian Ocean bottlenose dolphin	KwaZulu-Natal	0		36	36	Shark nets	
Indo-Pacific humpback dolphin	KwaZulu-Natal	0		3	3	Shark nets	
Long-beaked common dolphin	KwaZulu-Natal	0		31	31	Shark nets	
<b>Spain</b>							
Common dolphin	Galicia (N Spain)			36		Gillnet/trawl	
Common dolphin	Andalucia (S Spain)			6	77	Fishing interaction	
Common dolphin	Indian Ocean			1		Longline	
Striped dolphin	Asturies			1		Fishing interaction	
Striped dolphin	Malaga (S Spain)			6	53	Fishing interaction	
Striped dolphin	Catalonia (NE Spain)			5		Fishing interaction	
Striped dolphin	South Spain			4		Fishing interaction	
Bottlenose dolphin	Asturies			1		Fishing interaction	
Bottlenose dolphin	South Spain			1	8	Fishing interaction	
Bottlenose dolphin	Valencia Region (E Spain)			1		Fishing interaction	
Atlantic white-sided dolphin	NE Atlantic			1		Trawl	
Unidentified dolphin	South Spain			3	52	Fishing interaction	
False killer whale	Indian Ocean			1		Longline	
Harbour porpoise	Galicia (N Spain)			3		Gillnet (G)	
<b>Sweden<sup>a</sup></b>							
Harbour porpoise	Baltic Sea			1		Vessel strike	
Harbour porpoise	Skagerrak and Kattegat Seas, and Öresund			4		Gillnet	
Indo Pacific bottlenose dolphin	Zanzibar			15		Driftnet	

Cont.

Statistics for small cetaceans cont.

Species	Area/stock	Directed Catch		Incidental Mortality			Live-capture
		Reported	Est. Total	Reported	Est. Total	Source	Reported
<b>Sweden cont.</b>							
Bottlenose dolphin	Zanzibar			1		Driftnet	
Indo Pacific humpback dolphin	Zanzibar			4		Driftnet	
Spinner dolphin	Zanzibar			10		Driftnet	
Risso's dolphin	Zanzibar			1		Driftnet	
Spotted dolphin	Zanzibar			2		Driftnet	
<b>UK</b>							
Harbour porpoise	UK			11		Stranded/necropsy	
Shortbeaked common dolphin	UK			25		Stranded/necropsy	
Harbour porpoise	UK			11		Observed bycatch	
Shortbeaked common dolphin	UK			95		Observed bycatch	

New Zealand: <sup>a</sup> details provided by D. Fairfax (DOC) and S. Baird (NIWA) from data collected by Scientific Observer Programme of MFish

<sup>b</sup> while there were no reports received for either Maui's or Hector's dolphins bycatch is known to have occurred during this period

Sweden: <sup>a</sup> Incidental reports. No independent observer programmes were operating in 2003.

STATISTICS FOR SMALL CETACEANS: EARLIER YEARS' STATISTICS

Species	Year	Area/stock	Directed Catch		Incidental Mortality			Live-capture
			Reported	Est. Total	Reported	Est. Total	Source	Reported
<b>Peru</b>								
Common dolphin	1997-2002	Peruvian Sea			176(220)		Industrial purse seine	
Bottlenose dolphin	1997-2002	Peruvian Sea			259(308)		Industrial purse seine	
Dusky dolphin	1997-2002	Peruvian Sea			6		Industrial purse seine	
Burmeister's porpoise	1997-2002	Peruvian Sea			1		Industrial purse seine	
Indeterminate small cetacean	1997-2002				85		Industrial purse seine	
<b>Spain</b>								
Blainville's beaked whale	2002	Canary Islands			1		Military manoeuvres	
Gervais' beaked whale	2002	Canary Islands			1		Military manoeuvres	
Cuvier's beaked whale	2002	Canary Islands			9		Military manoeuvres	
Cuvier's beaked whale	2002	Canary Islands			1		Collision with ship	
Beaked whale	2002	South Spain			1		Collision with ship	
Common dolphin	2002	Galicia (N Spain)			2		Gillnet (g)	
Common dolphin	2002	South Spain			6		Fishing interaction/collision with ship	
Short-finned pilot whale	2002	Canarias			1		Collision with ship	
Long-finned pilot whale	2002	South Spain			4		Fishing interaction	
Pygmy sperm whale	2002	Canarias			1		Collision with ship	
Dwarf sperm whale	2002	Canarias			1		Fishing interaction	
Striped dolphin	2002	South Spain			12		Fishing interaction	
Bottlenose dolphin	2002	Canarias			3		Fishing interaction	
Bottlenose dolphin	2002	South Spain			1		Fishing interaction	
Bottlenose dolphin	2002	Baleares (E Spain)			3		Fishing interaction	
Unidentified dolphin	2002	South Spain			1		Fishing interaction	
<b>UK</b>								
Harbour porpoise	2002	UK:North Sea				439 (95% CL 371-640)	Gill/Tangle net fisheries	Northridge et al 2003
Harbour porpoise	2002	UK: West Scotland				48 (95% CL 25-68)	Gill/Tangle net fisheries	Northridge et al 2003
Short beaked common dolphin	2002-2003	UK: Western Channel – average annual estimate 2000-2003				91 (95% CL 53-147)	Pelagic pair trawl fishery	Northridge et al 2003
<b>USA</b>								
Bottlenose dolphin	2001	Coastal stock	0	0	Yes <sup>1</sup>	Yes <sup>1</sup>	Coastal gillnet and S. Atlantic shark gillnet	0
Common dolphin	2001	NW and mid-Atlantic	0	0	2	126	So. New England Loligo Squid trawl	0
Harbor porpoise	2001	Gulf of Maine/ Bay of Fundy and Mid-Atlantic	0	0	4	53	Northeast sink gillnet	0
Bottlenose dolphin	2001	Offshore stock	0	0	Yes <sup>1</sup>	Yes <sup>1</sup>	Northeast sink gillnet	0

Cont.

## Small cetaceans: earlier years cont.

Species	Year	Area/stock	Directed Catch		Incidental Mortality			Live-capture
			Reported	Est. Total	Reported	Est. Total	Source	Reported
<b>USA cont.</b>								
Harbor porpoise	2001	Gulf of Maine/ Bay of Fundy and Mid-Atlantic			1	26	Mid-Atlantic coastal gillnet	0
Pilot whale	2001	NW and mid- Atlantic	0	0	Yes <sup>2</sup>	Yes <sup>2</sup>	Ilex squid trawl	0
Pilot whale	2001	NW and mid- Atlantic			11	11	Herring trawl	0
Pilot whale	2001	NW and mid- Atlantic			1	29	Pelagic longline	0
White-sided dolphin	2001	NW Atlantic	0	0	1	26	Northeast sink gillnet	0
White-sided dolphin	2001	NW Atlantic			2	2	Herring trawl	
Pilot whale	2001	Atlantic	0	0	4	54	Pelagic Longline <sup>3</sup>	6
Risso's dolphin	2001	Atlantic	0	0	4	26	Pelagic Longline <sup>3</sup>	6
Harbor porpoise <sup>4</sup>	2001	Bering Sea	0	0	1	2	Trawl	0
Dall's porpoise <sup>4</sup>	2001	Bering Sea	0	0	2	3	Trawl	0
Killer whale <sup>4</sup>	2001	Bering Sea	0	0	2	2	Hit trawl vessel propeller	0
Harbour porpoise	2001	CA	0	0	0	3	CA Halibut/angel shark Set Gillnet	0
Unid common dolphin	2001	CA	0	0	0	3	CA Halibut/angel shark Set Gillnet	0
Short-beaked common dolphin	2001	CA	0	0	7	22	Swordfish/thresher shark drift gillnet fishery	0
Northern right whale dolphin	2001	CA	0	0	5	9	Swordfish/thresher shark drift gillnet fishery	0
Pacific white-sided dolphin	2001	CA	0	0	2	6	Swordfish/thresher shark drift gillnet fishery	0

USA: <sup>1</sup>e.g. fishery type <sup>2</sup>2001 data not available. <sup>3</sup>e.g. Note: Mortality for pelagic longline includes serious injury. <sup>4</sup>From Perez, 2003.

## Appendix 1

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