

SWEDEN. PROGRESS REPORT ON CETACEAN RESEARCH, APRIL 2000 TO APRIL 2001, WITH STATISTICAL DATA FOR THE CALENDAR YEAR 2000

Compiled by Per Berggren¹

This report summarises information obtained from:

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1. Species and stocks studied

Common name	Scientific name	Area/stock(s)	Items referred to
Harbour porpoise	<i>Phocoena phocoena</i>	Swedish Skagerrak, Kattegat and Baltic Seas	4.2, 4.3, 7.1
Minke whale	<i>Balaenoptera acutorostrata</i>	Swedish Skagerrak Sea	4.3
Long-finned pilot whale	<i>Globicephala melas</i>	Swedish Skagerrak Sea	4.3
White-beaked dolphin	<i>Lagenorhynchus albirostris</i>	Swedish Skagerrak Sea	4.3
Indo-Pacific bottlenose dolphin	<i>Tursiops aduncus</i>	Zanzibar, Tanzania	2.1.1, 3.1.1, 4.2
Indo-Pacific humpback dolphin	<i>Sousa chinensis</i>	Zanzibar, Tanzania	2.1.1, 3.1.1, 4.2
Spinner dolphin	<i>Stenella longirostris</i>	Zanzibar, Tanzania	4.2
Rissos dolphin	<i>Grampus griseus</i>	Zanzibar, Tanzania	4.2
Pygmy sperm whale	<i>Kogia breviceps</i>	Zanzibar, Tanzania	4.3
Sperm whale	<i>Physeter macrocephalus</i>	Zanzibar, Tanzania	4.3

2. Sightings data

2.1 Field work

2.1.1 Systematic

Photo-identification, ecology and behaviour studies of bottlenose dolphins and humpback dolphins in Menai Bay, Zanzibar, Tanzania, January – March 2001. (SU).

3. Marking data

3.1 Field work

3.1.1 Natural marking data

Analyses of photo-identification data collected 1999 – 2001 of Indo-Pacific bottlenose dolphins and humpback dolphins in Menai Bay, Zanzibar, Tanzania. Preliminary analyses indicate that about 150 bottlenose and 50 humpback dolphins form resident populations in Menai Bay. Contact person Eva Stensland. (SU).

4. Tissue/biological samples collected

Swedish legislation demand that harbour porpoises bycaught or found stranded in the Baltic Sea should be retrieved and submitted to the Swedish Museum of Natural History in Stockholm whereas porpoises from other areas only need to be reported. Although some porpoises from the Skagerrak and Kattegat Seas and Öresund are submitted to the Natural History Museum in Göteborg on a voluntary basis.

Bycaught and stranded cetaceans around Zanzibar, Tanzania have been collected by the Institute of Marine Sciences (IMS). This work is part of a bigger collaborative project between Stockholm University and IMS and funded through the Swedish International Development Agency (Sida). The project was initiated in 1998 and is aimed at assessing the status of marine mammals in Zanzibar and Tanzania.

4.2 Samples from directed catches or by-catches

Common name	Area/stock(s)	No. collected	Archived Y/N	Tissue Type (s)	Contact person/ institute
Harbour porpoise	Swedish Kattegat Sea - Öresund	4	Y	Skin, blubber, muscle, liver, stomach, reproductive organ, brain, & skeleton.	P. Rudd
	Baltic Sea	1	Y		P. Berggren
Bottlenose dolphin	Zanzibar, Tanzania	24	Y		P. Berggren
Humpback dolphin	Zanzibar, Tanzania	2	Y		P. Berggren
Spinner dolphin	Zanzibar, Tanzania	22	Y		P. Berggren
Rissos dolphin	Zanzibar, Tanzania	6	Y		P. Berggren
Spotted dolphin	Zanzibar, Tanzania	1	Y		P. Berggren

4.3 Samples from stranded animals

Common name	Area/stock(s)	1999: no. collected	Archived Y/N	Tissue Type (s)	Contact person/ institute
White-beaked dolphin	Swedish Skagerrak Sea	1	Y	Skin, blubber, muscle, liver, stomach, reproductive organ, brain, & skeleton.	P. Rudd
Long-finned pilot whale	Swedish Skagerrak Sea	2	Y		P. Rudd
Minke whale	Swedish Skagerrak Sea	1	Y		P. Rudd
Pygmy sperm whale	Zanzibar, Tanzania	1	Y		P. Berggren
Sperm whale	Zanzibar, Tanzania	1	Y		P. Berggren

5. Pollution studies

None

6. Statistics for large cetaceans

None

7. Statistics for small cetaceans

7.1 For the calendar year 2000

Common name	Area/stock(s)	Incidental mortality Reported*	Type of fishery
Harbour porpoise	Baltic Sea	1	Gillnet
	Swedish Kattegat Sea - Öresund	4	Gillnet

*Incidental reports. No independent observer programme was in force in 2000.

8. Strandings

See 4.3 (same species and number specimens collected).

10. Literature cited

11. Publications

11.1 Published or 'In Press' papers only

Andersen, L., Ruzzante, D.E. Walton, M., Berggren, P., Bjørge, A. and Lockyer, C. Conservation genetics of harbour porpoises, *Phocoena phocoena*, in eastern and central North Atlantic. Submitted to *J. Cons. Genetics*. In press.

Berggren, P., Wade, P., Carlström, C. and Read, A.J. Potential limits to anthropogenic mortality for harbour porpoises in the Baltic region. *Biol. Conservation*. In Press.

SMALL CETACEAN CATCHES 1997-2000

All information was taken from National Progress reports unless otherwise stated. Catches are presented by nation, rather than ocean area, except in the case of the data submitted by the IATTC for the eastern tropical Pacific (ETP). In this case, the submitted estimated catches are not broken down by country and a summed total incidental catch for the participating countries is given. The reported catch columns include catches reported by observer programmes, from interviews with fishermen and incidental reports (e.g. stranded whales determined to have died in nets).

Please note that catches should be tabled according to the calendar year in which they were taken. All direct and incidental removals (including live captures) should be recorded but not stranded animals.

Table: Sweden

Species	1997		1998			1999			2000											
	Direct Rep.	Indirect Est. total	Live Rep.	Indirect Rep.	Indirect Est. total	Live Rep.	Indirect Rep.	Indirect Est. total	Live Rep.	Indirect Rep.	Indirect Est.	Live Rep.								
Harbour porpoise	-	-	8 ^a	-	-	-	-	14	-	-	-	-	2	-	-	-	-	2	-	-

(a) 2 bycaught in Skagerrak Sea mackerel driftnets + 5 bycaught in Skagerrak Sea bottom set gillnets + 1 bycaught in Baltic Sea bottom set gillnet.