

List of JARPA data sets. sighting data, biological data for Antarctic minke whales, genetic data for other large whales and environmental data collected by the JARPA in the period 1987/88-2004/05

I SIGHTING DATA

		Total sample size
1	Angle and distance experiment data (no. of experiments)	6,426
2	Ice edge line	30
3	Photo-ID, humpback whale (no. of photographs)	502
4	Photo-ID, right whale (no. of photographs)	243
5	Photo-ID, blue whale (no. of photographs)	153
6	Sighting data (no of schools)	48,600
7	Survey effort data (number of activity of SV and SSVs)	118,099
8	Weather data (number of observation of weather)	94,840

II BIOLOGICAL DATA (ANTARCTIC MINKE WHALE)

		Number of targeted individuals		
		Male	Female	Total
9	Age	3,626	3,151	6,777
10	Blubber thickness (3 point/14 points)	3,626	3,151	6,777
11	Body length	3,626	3,151	6,777
12	Body proportion	3,626	3,151	6,777
13	Body weight	3,466	3,025	6,491
14	Catching date	3,627	3,151	6,778
15	Catching location	3,627	3,151	6,778
16	Corpora albicantia and lutea (number)	-	3,151	3,151
17	Diatom film	3,626	3,151	6,777
18	Discovery-type marks recovery	3,626	3,151	6,777
19	Foetus, body length	-	-	1,876
20	Foetus, body weight	-	-	1,876
21	Foetus, number	-	3,151	3,151
22	Foetus, sex	-	-	1,876
23	Freshness of stomach contents	3,626	3,151	6,777
24	Girth	3,626	3,151	6,777
25	Lactation condition	-	2,064	2,064
26	Main Prey species in stomach contents	3,626	3,151	6,777
27	Maturity stage	3,626	3,151	6,777
28	Mitochondrial DNA control region sequences	555	499	1,054
29	Mitochondrial DNA RFLP-derived haplotype distribution	3,627	3,151	6,778
30	Nuclear DNA microsatellite (6 loci), minke whale	3,389	2,881	6,270
31	Organ weights	606	512	1,118
32	Parasites, external occurrence record	3,626	3,151	6,777
33	Parasites, internal occurrence record	3,626	3,151	6,777
34	Physical maturity	3,531	3,068	6,599
35	Sex	3,627	3,151	6,778
36	Skull (length and breadth)	3,626	3,151	6,777
37	Stomach contents (IWS format)	3,626	3,151	6,777
38	Stomach contents weights	3,626	3,151	6,777
39	Testis weight	3,626	-	3,626
40	Transition phase	3,626	3,151	6,777

III DNA DATA AVAILABLE FOR OTHER LARGE WHALES (Obtained from biopsy sampling)

		Number of targeted individuals		
		Male	Female	Total
41	Mitochondrial DNA control region sequences, blue whale			22
42	Mitochondrial DNA control region sequences, fin whale			28
43	Mitochondrial DNA control region sequences, humpback whale	176	166	342
44	Mitochondrial DNA control region sequences, sei whale			1
45	Mitochondrial DNA control region sequences, right whale			36
46	Nuclear DNA microsatellite (6 loci), humpback whale	176	166	342

IV ENVIRONMENTAL DATA

		Number of individuals		
		Male	Female	Total
47	Heavy metals (liver)	921	151	1,072
48	Heavy metals (stomach contents)	67	33	100
49	Marine debris (stomach contents)	3,626	3,151	6,777
50	Organochlorine (blubber)	111	2	113
		Number of samples		
51	Organochlorine compounds (air)		4	
52	Organochlorine compounds (sea water)		4	
53	Marine debris (sighting survey)		255	
54	Temperature (XBT survey)		916	
55	Temperature & Salinity (XCTD survey)		915	
56	Temperature & Salinity (CTD survey)		499	
57	Temperature & Salinity (EPCS survey, days)		1,307	
58	Echo sounder (krill distribution, days)		612	

Addendum of the list of JARPA data sets (the dataset of the RV/KAIYO MARU Antarctic Ross sea survey in 2004/05)

The Report of the Kaiyo Maru Antarctic Survey in 2004/05

Navigation Data

Field Note

- Noon position
- Climate and Sea
- Iceberg

Climate and Sea Satellite Information

- Climate
- Sea Ice

Survey Point Field Book

Physical Environment Data

- Data Excel CSV
- Raw Data/ADCP
 - CTD/Parm
 - Report
 - EPCS
 - XBT
 - XCTD

Chemical Environment Data

Primary Production Data

Acoustic Survey

- Acoustic Export/Track
- Checked
- ekset / 1999-2000 K rill / daily backup
- 2001 Tangaroa
- Backup
- Daily backup
- SA Map CSV

Biological Data

- Fish
- Krill
- Salpa
- Squid

RMT

- Sample Photos
- Total Field note

Sighting Data