

Annex D

List of JARPA Data Sets

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.

Table I
Sighting data.

	Total sample size
1. Angle and distance experiment (number of experiments)	6,426
2. Ice edge line	30
3. Photo-ID, humpback whale (number of photographs)	502
4. Photo-ID, right whale (number of photographs)	243
5. Photo-ID, blue whale (number of photographs)	153
6. Sighting data (number of schools)	48,600
7. Survey effort data (searching distance of SV and SSVs in n.miles)	293,811
8. Weather data (number of observations of weather)	94,840

Table II
Biological data (Antarctic minke whale).

	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. <i>Corpora albicantia</i> and <i>lutea</i> (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 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 weight	3,626	3,151	6,777
39. Testis weight	3,626	-	3,626
40. Transition phase	3,626	3,151	6,777

Table 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

Table 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 and salinity (XCTD survey)		915	
56. Temperature and salinity (CTD survey)		499	
57. Temperature and salinity (EPCS survey, days)		1,307	
58. Echo sounder (krill distribution, days)		612	

In addition, there is the dataset from the RV/*Kaiyo Maru* Antarctic Ross sea survey in 2004/05):

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| <ul style="list-style-type: none"> (1) Navigation data (2) Field note <ul style="list-style-type: none"> (a) Noon position (b) Climate and sea (c) Iceberg (3) Climate and sea satellite information <ul style="list-style-type: none"> (a) Climate (b) Sea ice (4) Survey point field book (5) Physical environment data <ul style="list-style-type: none"> (a) Data Excel CSV (b) Raw data/ADCP <ul style="list-style-type: none"> (i) CTD/Parm (ii) Report (iii) EPCS (iv) XBT (v) XCTD | <ul style="list-style-type: none"> (6) Chemical environment data (7) Primary production data (8) Acoustic survey <ul style="list-style-type: none"> (i) Acoustic export/track (ii) Checked (a) ekset/1999-2000 krill/daily backup <ul style="list-style-type: none"> - 2001 Tangaroa - Backup - Daily backup (b) SA map CSV (9) Biological data <ul style="list-style-type: none"> (a) Fish (b) Krill (c) Salpa (d) Squid (10) RMT <ul style="list-style-type: none"> (a) Sample photos (b) Total field note (11) Sighting data |
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