

Table 1: Summary of average size and foraging metrics for otariid and odobenid species. Values are means or ranges of means (except for max dive duration and depth) available in the literature for adult free-ranging wild animals. Aerobic dive limit (ADL) values include cADL and bADL so ranges reflect differences due to methodology. At-sea field metabolic rate (FMR) only refers to measurements done on wild animals (ranges also reflecting differences of measurements and calculation methods). Strategies are either epipelagic (Epi), mesopelagic (Meso), or benthic and 'all' indicates every strategy displayed within the population. Values in italic indicate notable differences for specific parameters depending on location, foraging strategies within the population or environmental/seasonal conditions.

Species	Sex	Strategy	Location	Body mass (kg)	Body length (cm)	Mean dive depth (m)	Max dive depth (m)	Mean dive duration (min)	Max dive duration (min)	Trip duration (d)	Time spent diving (%)	Distance traveled (km)	ADL (min)	FMR (W/kg)	Note	Ref	
Antarctic fur seal	F	Epi	Whole range <i>Kerguelen / Crozet</i> <i>South Georgia / Bouvetøya</i>	27.3 – 32.7	117 - 121	12.6 – 53.0	208	0.7 – 1.9	10.0	3.1 – 7.6	16.9 – 34.5 22.5 – 34.5 16.9 – 20.4	294 – 665 665 ~ 300	1.6 – 3.5	6.3 – 9.8		[1-9]	
	M	Epi/Meso	South Georgia	133	180	100.0	354	2.3	9.2	5.4	22.2	~ 140				[6, 10]	
Subantarctic fur seal	F	Epi	Whole range	30.5 – 52.0	117 - 135	10.9 – 39.7	208	0.7 – 1.5	6.5	4.9 – 32.2	14.6 – 33.4	190 - 2248	2.3		<i>i</i>	[3, 11-18]	
New Zealand Fur seal	F	Epi	New Zealand / Australia	36.4 - 42.4	135 - 138	37.0 - 53.0	318	1.9 - 2.7	11.2	2.9 - 16.6	25.5 - 37.6	171 - 727	3.5			[19-22]	
	M	Epi/Meso	Australia	106.4	170	106.4	>380	3.6	14.8	9.1	31.7 - 33.2					[20]	
Australian fur seal	F	Benthic	Australia	64.0 - 77.7	140 - 152	58.0 - 75.2	164	2.9 - 3.5	10.1	2.7 - 7.3	40.1 - 40.7	250 - 360	4.1		<i>ii</i>	[23-27]	
	M	Benthic	Australia	138 - 238	175 - 201	79.8	283	3.8	9.8	3.4 - 6.9	39.3	530				[27-29]	
Galapagos fur seal	F	Epi	Galapagos	27.8 - 28.8	105.2	22.1 - 32.0	169	1.3 - 1.7	6.5	0.8	23.7 - 24	44	3.2	5.0		[30-33]	
South American fur seal	F	Epi	Falklands / Uruguay	35 - 51	128-137	43.0 – 61.0	170	1.8 - 2.8	7.1	2.1 - 15.2						[34-36]	
Juan Fernandez fur seal	F	Epi	Juan Fernandez	45.0 - 49.8	142 - 148	4 - 12.3	169	0.4 - 0.8	5.1	12.3 – 28.0		1394 - 1778				[37, 38]	
Cape fur seal	F	Epi/Meso	South Africa	53.8	136	59.6	454	2.3	9.8	5.4			3.8			[39, 40]	
Guadalupe fur seal	F	Epi	Mexico	47.9 - 52.5	146	17.0	82	2.6	18.0	14.4	36.2	2375	3.8			[41]	
Northern fur seal	F	All	Whole range	35.7 - 39.4	126 - 129	11.6 - 37.2	170	0.5 - 2.2	12.8	2.8 - 9.7	15.1 - 33.3	112 - 892	2.6	6.2 – 8.1	<i>iii</i>	[42-51]	
		Epi/Benthic	<i>Pribilof</i>			26.8 - 37.5		1.3 - 2.2		7.1 - 7.9		28.4 - 33.3					585 - 655
		Epi	<i>Pribilof</i>			16.9 - 22.0		0.6 - 1.6		7.4 - 9.7		24.7 - 28.4					690 - 892
		Epi	<i>Bogoslof / Lovushki</i>			11.6 - 18.4		0.5 - 0.7		1.8 - 3.3		15.1 - 29.2					112 - 208
South American Sea lion	F	Benthic	Whole range	92.7 - 126.2	162 - 191	18.0 - 75.0	325	1.3 - 3.1	12.1	0.5 - 4.4	52.7	103 - 752	1.3 - 4.7		<i>iv</i>	[52-59]	
			<i>Northern Chile / Uruguay</i> <i>Patagonia / Falklands</i>			18.0 - 18.7 37.2 - 75.0		1.4 - 1.9 1.3 - 3.1		1.5 0.5 - 4.4		103 206 - 752					
Galapagos sea lion	F	All Epi Meso Benthic	Galapagos	58.4 - 85.9	156	19.7 – 153.0 19.7 - 45.5 53.9 - 100.9 103.0 – 153.0	593	1.8 - 4.9 1.8 - 2.9 2.5 - 4.5 3.6 - 4.9	11.5	0.3 - 2.5	43.7 - 65.7 62.0 - 65.7 43.7 - 56.2 45.0 – 59.0	14 - 76		4.1		[33, 60-66]	
California sea lion	F	All Epi	California / Mexico	80.0 - 86.7	161 - 165	32.4 - 194.2 32.4 - 55.1	500+	1.7 – 5.0	9.9	2.2 - 5.4 5.4	23.3 - 50.2 36.3	167 - 348 348	1.2 - 5.8	4.9 - 5.9	<i>v</i>	[65, 67-73]	

						35.9 - 72.5			5.1	38.5	304				
						133.6 - 152.2			3.5	23.3	16				
	M	All	California	175 - 187	206	27.7 - 35.8		1.6 - 2.2		0.4 - 2.4	16.7 - 21.2	47 - 124	3.8 - 7.9		
Australian sea lion	F	Benthic	Australia	77.8 - 89.2	160	32.9 - 71.0	105	2.7 - 3.5	8.3	1.2 - 3.6	52.7 - 60.7	68 - 88	2.3	6.8 - 7.1	[5, 74-78]
New Zealand Sea lion	F	Benthic	New Zealand Otago Stewart	112 - 125	178	124.0 - 175.0 20.2 59.6	612	2.5 - 4.7 1.8 2.5	11.5	2.1 - 4.5 0.5 0.5	32.5 - 61.6	45 - 423 26 45	2.3 - 3.2	6.6 - 6.9	vi [79-85]
Stellar Sea lions	F	Epi	Alaska / Russia	200 - 300	220 - 247	24.0 - 56.0	328	1.9 - 3.1	21.3	0.3 - 1.0	22.0 - 45.0	29	3.0 - 3.3	[45, 86-91]	
Walrus	M	Benthic	Whole range	1350	320	~ 20	462	~ 6	49	2.3 - 7.9	44.0 - 56.3		10.5 - 15.0	3.4	[92-97]

i Seasonal variations in foraging trip duration and distance traveled.

ii Seasonal variations.

iii Differences in foraging behaviours depending on bathymetry around breeding island – Pribilof Islands: shallow shelf, epi/benthic foraging; Bogoslof / Lavushki islands :oceanic deep basin, epipelagic foraging.

iv Variations in strategies throughout the range: more pelagic in northern Chile, mixed benthic/pelagic in southern Chile and the Falkland's and more benthic in Uruguay. Seasonal variations observed as well.

v Variations within the population (3 different strategies) and depending on the environmental conditions (cold versus warm years) seen in males and females.

vi Overall averages of dive metrics consistent between studies to the exception of 2 colonies, Otago and Stewart, mentioned for comparison.

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