

A Mass Stranding Event of Long-Finned Pilot Whales (*Globicephala melas*) in Southern Chile

Supplemental Table

Mario Alvarado-Rybak,^{1,2,3} Daniela Haro,⁴ Pablo A. Oyarzún,⁵
Catherine Dougnac,⁶ Josefina Gutierrez,^{2, 7, 8} Natalia Toledo,⁹ Nicolás Leiva,⁹
Claudia Peña,² Constanza Cifuentes,² Nicolás Muñoz,¹⁰ Elisa Montti,¹⁰
Daniel Casado,¹¹ Frederick Toro,^{1,2,12} Claudio Soto-Azat,^{1,11} and Betsy Pincheira²

¹*Centro de Investigación para la Sustentabilidad & Doctorado en Medicina de la Conservación,
Facultad de Ciencias de la Vida, Universidad Andres Bello, Republica 252, Santiago, Chile
E-mail: maalry@gmail.com*

²*Asociación de Médicos Veterinarios de Fauna Silvestre, AMEVEFAS, Santiago, Chile*

³*epi3lab, Faculty of Medicine, Pontificia Universidad Católica de Chile, Marcoleta 391, Santiago, Chile*

⁴*Centro Bahía Lomas, Universidad Santo Tomas, Avenida Costanera 01834, Punta Arenas, Chile*

⁵*Centro de Investigación Marina Quintay (CIMARQ), Universidad Andres Bello, Quintay, Chile*

⁶*Wildlife Conservation Society, Programa en Chile (WCS-Chile), Balmaceda 586, Punta Arenas, Chile*

⁷*Instituto de Patología Animal, Facultad de Ciencias Veterinarias, Universidad Austral de Chile, Valdivia, Chile*

⁸*Programa de Investigación Aplicada en Fauna Silvestre, Facultad de Ciencias Veterinarias,
Universidad Austral de Chile, Valdivia, Chile*

⁹*Servicio Nacional de Pesca, Departamento de Gestión Ambiental, Puerto Aysén, Chile*

¹⁰*Laboratorio Ecología Mamíferos Marinos, Facultad de Ciencias,
Universidad Austral de Chile, Isla Teja 567, Valdivia, Chile*

¹¹*Fundación MERI, Avenida Kennedy 5682, piso 2, Vitacura, 7650720 Santiago, Chile*

¹²*Escuela de Medicina Veterinaria, Facultad de Medicina Veterinaria y Recursos Naturales,
Universidad Santo Tomás, Avenida Limonares 190, Viña del Mar, Chile*

Table S1. Coordinates, category of decomposition, sex, total length (m), age class, and number of mandibular teeth of 78 long-finned pilot whale (*Globicephala melas*) individuals stranded in Clemente island, Southern Chile, 2016

ID	Latitude	Longitude	Decomposition category	Sex	Total length	Age class	No. mandibular teeth
1	45° 35' 99.4" S	74° 34' 28.3" W	4		4.4		
2	45° 35' 59.7" S	74° 34' 16.1" W	4		4.2		10
3	45° 36' 0.1" S	74° 34' 16.6" W	5		3.7*		10
4	45° 35' 59.8" S	74° 34' 16.2" W	4		5.7	Adult	
5	45° 36' 0.4" S	74° 34' 16.3" W	5		4.3*		
6	45° 35' 59.8" S	74° 34' 16.7" W	5		4.7		10
7	45° 35' 59.9" S	74° 34' 16.9" W	4		3.8		10
8	45° 35' 59.7" S	74° 34' 16.7" W	4	M+	3.8	Juvenile	
9	45° 35' 59.7" S	74° 34' 16.6" W	4		3.9		9
10	45° 35' 59.8" S	74° 34' 16.7" W	4		4.5		8
11	45° 35' 59.6" S	74° 34' 16.8" W	4		4.2*		
12	45° 35' 59.6" S	74° 34' 17.1" W	4		3.4	Juvenile	10
13	45° 35' 59.8" S	74° 34' 17.7" W	4		4.02*		9
14	45° 36' 0.1" S	74° 34' 17.8" W	4		3.5	Juvenile	10
15	45° 36' 0.1" S	74° 34' 17.8" W	5		3.7		9
16	45° 35' 59.9" S	74° 34' 17.8" W	4	M+	4.04	Juvenile	12
17	45° 35' 59.0" S	74° 34' 17.4" W	4	F+	4.5	Adult	11
18	45° 35' 59.8" S	74° 34' 17.7" W	4	F+	3.8	Adult	10
19	45° 35' 59.7" S	74° 34' 17.9" W	5	M+	2.5	Calf	10
20	45° 35' 59.7" S	74° 34' 18.1" W	4				
21	45° 35' 59.5" S	74° 34' 17.7" W	4		4.01		10
22	45° 35' 59.3" S	74° 34' 18.6" W	4		4.3		11
23	45° 35' 59.5" S	74° 34' 19.6" W	4		4.4*		10
24	45° 35' 59.5" S	74° 34' 19.6" W	5		4.7		8
25	45° 35' 59.7" S	74° 34' 20.2" W	4	M+	5.0**	Adult	12
26	45° 35' 59.0" S	74° 34' 19.4" W	4		4.4**		
27	45° 35' 58.8" S	74° 34' 19.9" W	5	F+	4.3**	Adult	
28	45° 35' 58.8" S	74° 34' 19.8" W	5	M+	2.7**	Juvenile	
29	45° 35' 58.3" S	74° 34' 20.4" W	4		5.7*	Adult	10
30	45° 35' 58.2" S	74° 34' 21.0" W	4	M+	5.1	Adult	
31	45° 35' 57.9" S	74° 34' 21.0" W	4		4.3*		
32	45° 35' 58.2" S	74° 34' 21.4" W	5		4.3		10
33	45° 35' 58.2" S	74° 34' 21.4" W	4		3.1*	Juvenile	9
34	45° 35' 58.1" S	74° 34' 21.3" W	4	M+	4.86	Juvenile	11
35	45° 35' 57.8" S	74° 34' 21.6" W	4		4.0**		
36	45° 35' 57.9" S	74° 34' 21.5" W	5	M+	4.2	Juvenile	
37	45° 35' 58.2" S	74° 34' 21.8" W	5		4.2		
38	45° 35' 58.2" S	74° 34' 21.6" W	4	M+	4.02*	Juvenile	11
39	45° 35' 58.1" S	74° 34' 21.9" W	5		5.6	Adult	10
40	45° 35' 58.0" S	74° 34' 21.5" W	5		4.8		8
41	45° 35' 58.0" S	74° 34' 21.8" W	4	M+	5.6	Adult	11
42	45° 35' 58.1" S	74° 34' 22.4" W	4		4.7		
43	45° 35' 58.7" S	74° 34' 22.5" W	4	M+	4.92	Adult	11

ID	Latitude	Longitude	Decomposition category	Sex	Total length	Age class	No. mandibular teeth
44	45° 35' 58.4" S	74° 34' 30.4" W	5		5.2*	Adult	
45	45° 35' 58.4" S	74° 34' 30.3" W	5		4.2		11
46	45° 35' 58.4" S	74° 34' 30.3" W	4		3.9**		10
47	45° 35' 58.2" S	74° 34' 30.2" W	4	M+	4.7	Juvenile	8
48	45° 35' 57.3" S	74° 34' 34.8" W	4	M+	2.7	Calf	11
49	45° 35' 57.9" S	74° 34' 34.4" W	4	F+	4.5	Adult	11
50	45° 35' 57.7" S	74° 34' 35.2" W	4		5.6	Adult	10
51	45° 35' 57.4" S	74° 34' 35.3" W	4		4.3		
52	45° 35' 56.9" S	74° 34' 35.7" W	4		3.6*	Juvenile	
53	45° 35' 57.2" S	74° 34' 35.8" W	4	M+	4.09	Juvenile	10
54	45° 35' 57.2" S	74° 34' 35.8" W	4	M+	4.1	Juvenile	10
55	45° 35' 57.0" S	74° 34' 36.3" W	4		4.3		9
56	45° 35' 57.1" S	74° 34' 36.4" W	4		3.9		
57	45° 35' 56.6" S	74° 34' 37.2" W	4	F+	3.8	Adult	
58	45° 35' 56.6" S	74° 34' 37.2" W	4	F+	4.16	Adult	
59	45° 35' 57.1" S	74° 34' 35.9" W	4		4.12*		11
60	45° 35' 56.8" S	74° 34' 37.7" W	4		2.36	Calf	
61	45° 35' 56.8" S	74° 34' 37.7" W	5	M+	2.1	Calf	3
62	45° 35' 56.9" S	74° 34' 37.8" W	5	M +	3.03	Juvenile	11
63	45° 35' 56.5" S	74° 34' 38.9" W	4	M+	2.7*	Calf	10
64	45° 35' 56.5" S	74° 34' 38.8" W	5	F+	3.5*	Adult	11
65	45° 35' 56.1" S	74° 34' 39.1" W	4		2.5	Calf	10
66	45° 35' 56.2" S	74° 34' 39.7" W	4		3.5	Juvenile	
67	45° 35' 55.7" S	74° 34' 40.1" W	4	M	2.9	Calf	9
68	45° 35' 55.5" S	74° 34' 40.3" W	5		4.7*		
69	45° 35' 55.8" S	74° 34' 40.3" W	4		3.6	Juvenile	9
70	45° 35' 55.8" S	74° 34' 40.2" W	5		2.2	Calf	11
71	45° 35' 56.0" S	74° 34' 40.9" W	4		3.6	Juvenile	10
72	45° 35' 55.4" S	74° 34' 41.2" W	5		5.2	Adult	8
73	45° 35' 55.9" S	74° 34' 41.5" W	4		3.1	Juvenile	
74	45° 35' 49.9" S	74° 34' 49.8" W	4		2.9	Calf	
75	45° 35' 50.8" S	74° 34' 49.0" W	4		3.1	Juvenile	
76	45° 35' 51.5" S	74° 34' 48.7" W	4	F+	4.6	Adult	
77	45° 35' 53.0" S	74° 34' 46.6" W	4	M+	5.2	Adult	
78	45° 35' 53.0" S	74° 34' 46.4" W	4		4.4		

*Curved measurement

**Measured without the fluke, since it was buried

+Sexed individuals through genes ZFX/ZFY and SRY