

APPENDIX 1

Monthly number of adult and juvenile Humboldt Penguins in the detached and RLOF breakwaters at the LNG port terminal infrastructure

Month	Detached Breakwater (Ad/Juv) ^a							RLOF Breakwater (Ad/Juv)	Grand Total
	ROM 1	ROM 2	ROM 3	ROM 4	ROM 5	ROM 6	Subtotal		
July 2017	57	22	48	17	57	86	287	219	506
August 2017	18	6	2	5	10	15	56	31	87
September 2017	28	18	11	2	20	115	194	150	344
October 2017	87	31	37	28	38	197	418	155	573
November 2017	112	22	61	17	64	181	457	130	587
December 2017	83	52	46	48	52	133	414	34	448
January 2018	77	31	31	54	74	436	703	238	941
February 2018	33	19	1	13	34	41	141	91	232
April 2018	53	33	39	104	65	96	390	147	537
May 2018	20	23	25	50	32	104	254	11	265
June 2018	43	23	29	76	59	122	352	34	386
August 2018	20	11	13	51	39	96	230	32	262
September 2018	82	22	45	67	61	255	532	26	558
October 2018	83	23	47	85	118	255	611	10	621
November 2018	76	71	45	69	65	164	490	10	500
December 2018	109	41	59	71	78	150	508	24	532
January 2019	151	62	85	87	135	430	950	78	1028
February 2019	119	53	65	68	78	75	458	127	585
April 2019	37	29	41	68	36	82	293	89	382
June 2019	117	60	98	144	127	250	796	201	997
July 2019	105	102	85	127	105	267	791	233	1024
August 2019	74/11	46/7	28/0	62/7	88/5	162/18	460/48	57/36	601
September 2019	120/10	50/16	53/10	95/3	85/15	147/9	550/63	63/40	716
October 2019	83/15	73/24	83/22	125/25	139/14	170/19	673/119	45/27	864
November 2019	130/11	138/4	115/7	153/2	174/7	233/3	943/34	43/18	1038
December 2019	143/0	99/0	68/0	120/0	82/0	171/0	683/0	9/2	694
January 2020	348/2	166/0	173/0	255/3	184/4	331/2	1457/11	177/4	1649
February 2020	47/2	24/5	56/4	57/3	39/0	59/3	282/17	81/27	407
June 2020	34/6	25/2	25/7	34/7	30/1	45/1	193/24	13/2	232
November 2020	137/32	103/14	122/44	130/37	160/26	355/54	1007/207	41/28	1283
December 2020	242/46	105/30	133/23	132/39	124/30	268/68	1004/236	61/50	1351
January 2021	401/19	183/4	260/5	351/17	243/12	412/14	1850/71	136/34	2091
March 2021	61/7	22/9	47/16	50/19	49/14	38/20	267/85	32/47	431

April 2021	76/32	47/10	41/14	76/23	48/19	57/10	345/108	40/9	502
May 2021	234/10	122/7	103/19	234/25	115/11	210/47	1018/119	60/3	1200
July 2021	271/33	92/19	124/27	178/42	128/42	189/33	982/196	38/1	1217
August 2021	244/62	101/44	109/66	155/56	83/40	183/89	875/357	46/23	1301
November 2021	294/47	133/46	175/48	197/57	95/35	172/90	1066/323	61/30	1480
January 2022	353/9	154/5	186/9	253/20	130/15	328/23	1404/81	231/43	1759
February 2022	17/2	27/0	48/3	23/5	12/2	15/8	142/20	40/47	249
May 2022	228/7	129/14	139/10	184/8	98/8	126/18	904/65	59/8	1036
August 2022	214/13	85/2	116/10	157/10	80/8	174/10	826/53	25/2	906
September 2022	118/24	51/17	83/14	92/21	55/8	105/20	504/104	27/19	654
October 2022	154/34	38/6	72/20	115/18	40/9	97/28	516/115	38/16	685
November 2022	179/19	56/6	86/4	137/16	38/3	169/273	665/321	65/110	1161
January 2023	160/8	56/1	87/2	124/4	40/3	121/20	588/38	166/147	939
February 2023	28/9	6/5	16/2	11/3	12/2	6/1	79/22	14/71	186
March 2023	46/11	15/3	22/10	68/15	19/7	22/4	192/50	74/80	396
May 2023	26/4	6/4	6/2	12/5	1/0	9/0	60/15	35/11	121
June 2023	4/0	0/0	0/0	1/0	1/0	0/0	6/0	2/1	9
July 2023	24/0	5/1	19/0	26/0	12/0	25/0	111/1	85/8	205
August 2023	126/0	39/0	48/2	72/0	29/1	50/0	364/3	118/92	577
September 2023	45/2	20/0	51/1	54/0	21/1	47/3	238/7	76/34	355
October 2023	111/2	42/1	46/1	63/0	34/0	62/3	358/7	99/41	505
December 2023	201/3	95/1	110/1	94/1	37/0	87/2	624/8	95/9	736
January 2024	65/0	22/0	31/0	32/0	14/0	12/0	176/0	69/0	245
February 2024	28/0	15/0	3/0	19/0	6/0	9/0	80/0	15/0	95
March 2024	30/0	27/0	24/0	40/0	21/0	21/0	163/0	13/0	176

^a The detached breakwater was divided into six sections: ROM 1 - 6. Discrimination between adults and juveniles started in August 2019, and otherwise total numbers are shown.