

Un-crewed aerial vehicle population survey of three sympatrically breeding seabird species at Signy Island, South Orkney Islands.

Polar Biology

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Online Resource 2. Chinstrap Penguin (*Pygoscelis antarctica*) breeding pairs counted on the same day using aerial (UAV) and ground survey methods at Signy Island, 2017/18.

Date	Colony	Location	UAV Survey Total Breeding Pairs at 35m (2017/2018)	Ground survey Total Breeding Pairs (2017/2018)
12th December 2017	C79	Gourlay, East	64	62
12th December 2017	C79A	Gourlay, East	0	1
12th December 2017	C80	Gourlay, East	364	359
12th December 2017	C81 + 82	Gourlay, East	17	15
12th December 2017	C83	Gourlay, East	143	123
12th December 2017	C83A	Gourlay, East	11	11
12th December 2017	C84A	Gourlay, East	0	0
12th December 2017	C84B	Gourlay, East	0	0
12th December 2017	C84C	Gourlay, East	0	0
12th December 2017	C85	Gourlay, East	112	98
12th December 2017	C86	Gourlay, East	0	0
12th December 2017	C87	Gourlay, East	0	0

14th December 2017	C88, 89, 90	Gourlay, East	181	179
14th December 2017	C91	Gourlay, East	0	0
14th December 2017	C92 & 135	Gourlay, East	404	453
14th December 2017	C93	Gourlay, East	0	0
14th December 2017	C94	Gourlay, East	0	1
14th December 2017	C95	Gourlay, East	0	0
14th December 2017	C96	Gourlay, East	0	0
14th December 2017	C97	Gourlay, East	0	0
14th December 2017	C98	Gourlay, East	8	16
14th December 2017	C99	Gourlay, East	0	0
14th December 2017	C99A	Gourlay, East	0	0
12th December 2017	C100	Gourlay, East	423	431
12th December 2017	C101	Gourlay, East	10	12
12th December 2017	Grave	Gourlay, East	38	36
20th December 2017	C46	Gourlay, West	28	22
20th December 2017	C47	Gourlay, West	29	23
20th December 2017	C48	Gourlay, West	185	150
20th December 2017	C48A	Gourlay, West	0	0
14th December 2017	C61	Gourlay, West	48	49
14th December 2017	C62	Gourlay, West	586	516
14th December 2017	C63	Gourlay, West	28	27
14th December 2017	C64	Gourlay, West	39	39
14th December 2017	C65	Gourlay, West	1045	826
14th December 2017	C66	Gourlay, West	237	236
14th December 2017	C67	Gourlay, West	396	352
14th December 2017	C68	Gourlay, West	193	187
14th December 2017	C69	Gourlay, West	51	48
18th December 2017	C70	Gourlay, West	48	43
18th December 2017	C71	Gourlay, West	104	105
14th December 2017	C72	Gourlay, West	164	172
14th December 2017	C73-74	Gourlay, West	430	474
14th December 2017	C75	Gourlay, West	26	29
14th December 2017	C76-77	Gourlay, West	382	414
14th December 2017	C78	Gourlay, West	89	77
14th December 2017	C78A	Gourlay, West	0	0
14th December 2017	C78B	Gourlay, West	55	53
14th December 2017	C78C	Gourlay, West	8	8

14th December 2017	C78D	Gourlay, West	95	79
18th December 2017	C16	Fyr Channel	37	30
18th December 2017	C17	Fyr Channel	2	2
18th December 2017	C18	Fyr Channel	0	0
18th December 2017	C18A	Fyr Channel	0	0
18th December 2017	C15	Moyes Corrie	36	39
18th December 2017	C26	Moyes Corrie	229	209
Total Pairs			6,345	6,006

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