

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 5. Pairs of Chinstrap Penguins (*Pygoscelis antarctica*) counted at Signy Island during 2017/18 (this study) and 2009/10.

Colony	Location	UAV Survey Total Breeding Pairs at 35m (2017/18)	Ground survey Total Breeding Pairs (2009/10)
C1	N. Point	143	167
C2	N. Point	0	20
C3	N. Point	19	48
C4	N. Point	33	165
C5	N. Point	18	40
C6	N. Point	0	11
C7	N. Point	65	87
C8	N. Point	6	68
C9	N. Point	0	17
C10	N. Point	7	28
C11	N. Point	150	240
C12	N. Point	0	150
C13	N. Point	745	865
C14	N. Point	94	141
By A7	N. Point	0	0

C13 SR	Spindrift Rocks	15	22
C14 SR	Spindrift Rocks	43	47
C79	Gourlay, East	64	121
C79A	Gourlay, East	0	5
C80	Gourlay, East	364	552
C81 + 82	Gourlay, East	17	116
C83	Gourlay, East	143	275
C83A	Gourlay, East	11	17
C84A	Gourlay, East	0	5
C84B	Gourlay, East	0	12
C84C	Gourlay, East	0	4
C85	Gourlay, East	112	211
C86	Gourlay, East	0	3
C87	Gourlay, East	0	8
C88, 89, 90	Gourlay, East	181	259
C91	Gourlay, East	0	0
C92 & 135	Gourlay, East	404	477
C93	Gourlay, East	0	8
C94	Gourlay, East	0	31
C95	Gourlay, East	0	2
C96	Gourlay, East	0	10
C97	Gourlay, East	0	0
C98	Gourlay, East	8	5
C99	Gourlay, East	0	13
C99A	Gourlay, East	0	67
C100	Gourlay, East	423	738
C101	Gourlay, East	10	48
Grave	Gourlay, East	38	41
C46	Gourlay, West	28	47
C47	Gourlay, West	29	54
C48	Gourlay, West	185	20
C48A	Gourlay, West	0	170
C61	Gourlay, West	48	47
C62	Gourlay, West	586	505
C63	Gourlay, West	28	23
C64	Gourlay, West	39	42
C65	Gourlay, West	1045	988
C66	Gourlay, West	237	294
C67	Gourlay, West	396	347
C68	Gourlay, West	193	140
C69	Gourlay, West	51	91
C70	Gourlay, West	48	114
C71	Gourlay, West	104	228
C72	Gourlay, West	164	206

C73-74	Gourlay, West	430	781
C75	Gourlay, West	26	485
C76-77	Gourlay, West	382	481
C78	Gourlay, West	89	265
C78A	Gourlay, West	0	6
C78B	Gourlay, West	55	99
C78C	Gourlay, West	8	24
C78D	Gourlay, West	95	194
C43	Shagnasty Area (mainland)	728	806
C42	Shagnasty Area	0	24
C45	Shagnasty Area (island)	254	270
C44	Shagnasty Area (island)	500	531
C133	Porteous Point	0	0
C16	Fyr Channel	37	5
C17	Fyr Channel	2	66
C18	Fyr Channel	0	3
C18A	Fyr Channel	0	0
C19	Cryptogam Ridge	0	0
C20	Cryptogam Ridge	684	653
C21	Cryptogam Ridge	0	4
C15	Moyes Corrie	36	28
C22	Moyes Corrie	71	72
C23	Moyes Corrie	0	2
C24	Moyes Corrie	0	0
C25	Moyes Corrie	646	768
C26	Moyes Corrie	229	239
C27	Moyes Corrie	46	44
C28	Moyes Corrie	46	16
C29	Moyes Corrie	1186	1271
Unknown	Bedlum Cove	4208	2385
Unknown	Confusion Island	2067	1548
Unknown	Outer Islands	18	0
Total Pairs		18,137	19,530

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