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Study of fauna population changes on Penguin Island and Turret Point Oasis (King George Island, Antarctica) using Unmanned Aerial Vehicle

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Number of breeding pairs of chinstraps and Adélies in SW mixed colony on Penguin Island (South Shetlands, Antarctica).

Year	Species		Total	Reference
	chinstrap	Adélie		
1979 (December)	203	1,710	2,913	Jabłoński (1980)
2003 (December)	462	684	1,146	Sander et al. (2007)
2008 (December)	539	556	1,095	Personal observation
2016 (December)	nd ^a	nd ^a	605	Recent study

nd - no data available

^a Distinguishing penguin species in UAV image (0.07 m GSD) were not possible.

References:

Jabłoński B (1980) Distribution and numbers of birds and pinnipeds on Penguin Island (South Shetland Islands) in January 1979. *Pol Polar Res* 1:109–116.

Sander M, Coelho Balbão T, Schneider Costa E, dos Santos RC, Petry MV (2007) Decline of the breeding population of *Pygoscelis antarctica* and *Pygoscelis adeliae* on Penguin Island, South Shetland, Antarctica. *Polar Biol* 30:651–654.