

LGP Baseline Measurements 06/07 Season

General Site Description

Site Name: Adelie Cove (Adelie Penguin rookery)



Geographical coordinates	S74 46.057 E164 01.424	GPS
Elevation	0~40m asl	GPS
Slope	45°	Estimate
Date (s) visited: 13 November 2006		
Aspect: South-East		
Samples taken? Soil samples		
Photos taken? Yes		
Aerial Photos available? Satellite Imagery		

Soil Parameters

Geomorphological characteristics	<input type="checkbox"/> Pro-Glacial <input type="checkbox"/> Nival - Chionophilous <input type="checkbox"/> Periglacial <input type="checkbox"/> Fluvial <input checked="" type="checkbox"/> Coastal <input type="checkbox"/> Fell-Field	<input type="checkbox"/> Slope <input type="checkbox"/> Plateau <input type="checkbox"/> Valley <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Scree slope <input type="checkbox"/> Rock wall <input type="checkbox"/> Other
Rock Lithology	<input type="checkbox"/> Siliceous rock <input type="checkbox"/> Calcareous rock	Rock type
Soil Typology	<input type="checkbox"/> Soil Absence <input checked="" type="checkbox"/> Soil Presence	<input type="checkbox"/> Mineral soil <input type="checkbox"/> Organic soil <input checked="" type="checkbox"/> Ornithogenic soil
Surface Lithology	<input type="checkbox"/> Outcropping Rock <input type="checkbox"/> Loose Material <input type="checkbox"/> Glacial <input type="checkbox"/> Fluvial <input type="checkbox"/> Eolic <input type="checkbox"/> Coastal <input type="checkbox"/> Scree Slope, Debris	
Surface Texture	% Blocks ($\varnothing > 25\text{cm}$) % Pebbles ($5\text{cm} < \varnothing < 25\text{cm}$) % Gravel ($0.2\text{cm} < \varnothing < 5\text{cm}$) % Sand and finer material ($\varnothing < 0.2\text{cm}$) All types present around the penguins	

Vegetation

Plants and Lichens	Algae present around penguins (species unknown) Lichens present on rocks on the edges of the colony: <i>Buellia frigida</i> , <i>Xanthoria sp</i>
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Fauna

Mammals	None
Birds	Adelie Penguin colony and Skuas
Invertebrates	Nematodes: <i>Panagrolaimus davidi</i> only

Glacial

N/A

Aquatic Non-Marine Systems

N/A

Aquatic Marine Systems

N/A

Environmental (AWS)

See: <http://www.climantartide.it/>