

LGP Baseline Measurements 05/06 Season

General Site Description

Site Name: Cape Wheatstone		
Geographical coordinates	72° 37.308'S; 170° 12.095'E	GPS (WGS 84)
Elevation	Metres above sea level	Note if from GPS, altimeter or map
Slope	Degrees	Note if estimated or measured
Date (s) visited 27 November 2005		
Aspect SE		
Samples taken? Yes		
Photos taken? Yes		
Aerial Photos available? No		



Picture from Rachel Brown K002 04/05

Soil Parameters

Geomorphological characteristics	<input type="checkbox"/> Pro-Glacial <input type="checkbox"/> Nival - Chionophilous <input type="checkbox"/> Periglacial <input type="checkbox"/> Fluvial <input 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 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 type="checkbox"/> Soil Presence	<input type="checkbox"/> Mineral soil <input type="checkbox"/> Organic soil <input type="checkbox"/> Other
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 ($\varnothing < 0.2\text{cm}$)	

Vegetation

No vegetation observed.

Fauna

Mammals	None
Birds	Adelie penguin colony South Polar skua (1 seen) Snow Petrel (1 seen)
Invertebrates	None seen

Glacial

N/A

Aquatic Non-Marine Systems

N/A

Aquatic Marine Systems

100% sea ice cover around the cape. No sea ice thickness measurements taken. Disturbed ice around the transition.

Landed on sea ice. Access to colony straight forward, though recommended to have a helmet for falling scree.

Environmental (AWS)

N/A