

## LGP Baseline Measurements 05/06 Season

### General Site Description

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



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"/> <b>Coastal</b> <input type="checkbox"/> Fell-Field	<input type="checkbox"/> Slope <input type="checkbox"/> Plateau <input type="checkbox"/> Valley <input type="checkbox"/> Landslide <input type="checkbox"/> <b>Scree slope</b> <input type="checkbox"/> <b>Rock wall</b> <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"/> <b>Organic soil</b> <input type="checkbox"/> Other
Surface Lithology	<input type="checkbox"/> <b>Outcropping Rock</b> <input type="checkbox"/> <b>Loose Material</b> <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