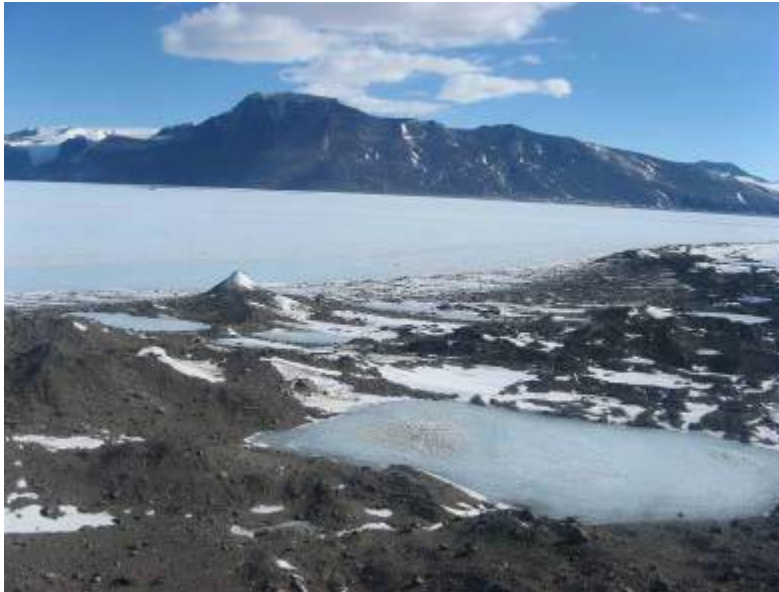


LGP Baseline Measurements 07/08 Season

General Site Description

Site Name: Dusky Ridge




Geographical coordinates	S 79, 55, 16.0 E 156, 55, 30.2	GPS
Elevation	844 msal	GPS
Slope	10-20 Degrees	Estimated
Date (s) visited: 15.12.07		
Aspect: Northerly		
Samples taken? Yes		
Photos taken? Yes		
Aerial Photos available? Yes		
Notes taken by: Mark Stevens and Bryan Storey		

Soil Parameters

Geomorphological characteristics	<input type="checkbox"/> Pro-Glacial <input type="checkbox"/> Nival - Chionophilous <input checked="" type="checkbox"/> Periglacial <input type="checkbox"/> Fluvial <input type="checkbox"/> Coastal <input type="checkbox"/> Fell-Field	<input checked="" 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 checked="" type="checkbox"/> Siliceous rock <input type="checkbox"/> Calcareous rock	Rock type Sedimentary, dolerite, granite boulders
Soil Typology	<input type="checkbox"/> Soil Absence <input checked="" type="checkbox"/> Soil Presence	<input checked="" type="checkbox"/> Mineral soil <input type="checkbox"/> Organic soil <input type="checkbox"/> Other
Surface Lithology	<input checked="" type="checkbox"/> Outcropping Rock <input checked="" type="checkbox"/> Loose Material <input checked="" type="checkbox"/> Glacial <input type="checkbox"/> Fluvial <input type="checkbox"/> Eolic <input type="checkbox"/> Coastal <input type="checkbox"/> Scree Slope, Debris	
Surface Texture	% Blocks ($\varnothing > 25\text{cm}$) 50 % Pebbles ($5\text{cm} < \varnothing < 25\text{cm}$) 40 % Gravel ($0.2\text{cm} < \varnothing < 5\text{cm}$) 5 % Sand and finer material ($\varnothing < 0.2\text{cm}$) 5	

Vegetation

Plants and Lichens	Ancient algae found 
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Fauna


Mammals	None
Birds	None
Invertebrates	None

Glacial

N/A

Aquatic Non-Marine Systems

<p>Type of water body</p>	<p>Multiple lakes – surface frozen</p>  <p>Lake on northern tip of Dusky Ridge looking East to Hinton Glacier</p>  <p>Lake on Dusky Ridge</p>
<p>Size and depth</p>	<p>Unknown</p>
<p>Inflows and outflows (for non running systems) – size, discharge estimate (l/s), duration of flow: some flow of water into lake where it meets the glacier.</p>	
<p>Duration and spatial distribution of free water: small moat around one lake observed</p>	
<p>Evidence of water level variation? If so, what is the evidence and by how much?: Presence of dry algae would suggest the lake has been higher, unsure how long ago and the presence of dried algae was not searched for more than 5m away from current lake margin.</p>	
<p>Isolated habitat or part of a connected network? Ephemeral lakes, likely to be linked by groundwater and glacial inputs</p>	
<p>Proximity to other aquatic systems Several small lakes in the Dusky Ridge area</p>	

Any sign of salt or vegetation accumulation around margins? Only aquatic algae.	
Range of levels over season: Unknown	
Water sources	Nearby glacier melt entering lake. 
Catchment:	<ul style="list-style-type: none"> - Size - Vegetation: coverage (%), type (lichen, mosses, vascular, etc....) - Geology (see Soils section) - Geomorphology (see Soils section) - Animal influence N/A - Snow and Ice
Ice cover: (to be recorded at intervals over the season)	<ul style="list-style-type: none"> - Permanent ice? - 100% of coverage - Thickness -? - transparency Opaque
Water properties.	N/A
Bed characteristics	N/A
Others	Animal observations (rotifers, crustacea, mites etc) NONE
Sample collection and preservation	N/A

Aquatic Marine Systems

N/A