

LGP Baseline Measurements 07/08 Season

General Site Description

Site Name: Junction Spur – North Side



Geographical coordinates	S79 52 45.7 E157 32 23.6	GPS
Elevation	908 masl	GPS
Slope	Variable	
Date (s) visited 8.12.07		
Aspect: Darwin side of Junction Spur has a northerly aspect		
Samples taken: Yes – soils and rock sample		
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 checked="" type="checkbox"/> Scree slope <input type="checkbox"/> Rock wall <input type="checkbox"/> Other
Rock Lithology	<input checked="" type="checkbox"/> Siliceous rock	Sedimentary, dolerite, granite boulders
Soil Typology	<input checked="" type="checkbox"/> Soil Presence	<input checked="" type="checkbox"/> Mineral soil
Surface Lithology	<input checked="" type="checkbox"/> Outcropping Rock <input type="checkbox"/> Loose Material <input checked="" type="checkbox"/> Glacial <input type="checkbox"/> Fluvial <input type="checkbox"/> Eolic <input type="checkbox"/> Coastal <input checked="" 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	<ul style="list-style-type: none"> • Lichens (occasional) • Terrestrial algae, (Algae blue and blue green) 8 main features: <ol style="list-style-type: none"> (1) filaments of oscillatorealean cyanobacteria, resembles <i>Leptolyngbya</i> sp. (abundant); (2) chroococcalean cyanobacteria (common); (3) Occasional green (chlorophyte?) or perhaps yellow-green (xanthophyceae?), spherical to ellipsoidal unicells; (4) Cylindrical cells, single or in filaments of 2 - 4 cells. Difficult to say whether chlorophytan (possibly <i>Stichococcus</i>) or xanthophyceae (possibly <i>Xanthonema</i> (= <i>Heterothrix</i>) or mixture of both. (common); (5) cf. <i>Leptolyngbya</i> (abundant); (6) cf. <i>Gloeocapsa</i> sp. (occasional); (7) branching form of <i>Desmococcus</i> (if chlorophyte) or <i>Heterococcus</i> (if xanthophyceae) (occasional); (8) Spherical to broadly ellipsoidal, green cells, up to about 7 μm diam., in brown pigmented mucilaginous envelopes. Occasional.
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Fauna

Mammals	None
Birds	None
Invertebrates	Mites: Scottnema sp. (abundant) Sterotydeus sp. + unknown sp. (occasional) Rotifers (abundant) Tardigrades (abundant)

Glacial

N/A

Aquatic Non-Marine Systems

N/A

Aquatic Marine Systems

N/A

Environmental (AWS)

Temperature on day visited was between +5.3° . and +12.3° Soil temperature between +5 and +6.0°C