Project Name:
Project Code: **DUSLARA** **Site ID:** **625** **Observation ID:** **1**
Agency Name: **QLD Environment and Heritage**

Site Information

Desc. By:	Lorimer, Mal	**Locality:**	
Date Desc.:	01/03/99	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	146.245749858724	**Runoff:**	Rapid
Easting/Lat.:	-24.1917064200986 Datum: GDA94	**Drainage:**	Rapidly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	**Pattern Type:**	Escarpment
Morph. Type:	Mid-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Basic Lithic Leptic Rudosol

ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Uc1.44
Great Soil Group: N/A

Site

No effective disturbance. Natural

Vegetation:

Surface Coarse

Profile

A1 0 - 0.22 m ;

Morphological Notes

Observation Notes

Site Notes

On top of the Great Dividing Range (Elsie Hills)there is an interesting mix of Eucalyptus crebra (narrow-leaved ironbark) Corymbia
dallachiana (ghost gum) and dense Acacia species (wattle) as understorey. Sandstone is exposed.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.22	4.5B 5.6A	0.02A	0.93G	0.51	0.36	0.09	0.58G			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.22		1.8A	2K	143B				1.82			

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h

0 - 0.22

Laboratory Analyses Completed for this profile

10D1	Potassium chloride - 40 sulfur (KCl-40)-S
12A1_Cu	DTPA - extractable copper, zinc, manganese and iron
12A1_Fe	DTPA - extractable copper, zinc, manganese and iron
12A1_Mn	DTPA - extractable copper, zinc, manganese and iron
12A1_Zn	DTPA - extractable copper, zinc, manganese and iron
12C1	Calcium chloride extractable boron - manual colour
14B1	Electrical conductivity/SE
15D2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; automatic extractor
15D2_K	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic
15D2_MG	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic
15D2_NA	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; mautomatic
15G_C_AL2	Exchangeable aluminium - meq per 100g of soil - Aluminium By KCl extraction and detremination By AAS
15K1	CEC - pH 8.2
15N1	Exchangeable sodium percentage (ESP)
18A1	Bicarbonate-extractable potassium
18B1	Hydrochloric acid - extractable potassium
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
5A1	Chloride - 1:5 soil/water extract, potentiometric titration
6A1	Organic carbon - Walkley and Black
7B1	Water soluble nitrate - automated colour
7D1a	Potentially mineralisable N, hot KCl extraction - automated colour, continuous segmented flow
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9C1	Olsen-extractable phosphorus - manual colour
P10_GRAV	Gravel (%)
P6_LP	Dispersion Index (Loveday and Pyle, 1973)