Project Name:
Project Code: **DUSLARA** **Site ID:** **493** **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.:	145.702034725113	**Runoff:**	Very slow
Easting/Lat.:	-23.0045107488652 Datum: GDA94	**Drainage:**	Well 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:	Level plain <9m <1%	**Pattern Type:**	Peneplain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Soft

Erosion:

Soil Classification

Australian Soil Classification:
Magnesic Red Kandosol

Mapping Unit: N/A
Principal Profile Form: Gn2.11
Great Soil Group: N/A

ASC Confidence:
Confidence level not specified

Site

No effective disturbance. Natural

Vegetation:

Surface Coarse

Profile

A	0 - 0.04 m	;
B1	0.04 - 0.35 m	;
B21	0.35 - 1 m	;
B22	1 - 2 m	;

Morphological Notes

Observation Notes

Site Notes

From the last point we continued west travelling upslope through escarpment country dominated by Acacia shirleyi (lancewood) and
Eucalyptus thozetiana (napunyah gum). Further upslope the unit changes to Eucalyptus similis (Queensland ye

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.04	5.5B 6.4A	0.04A	4.67G	2.73	0.68	0.01	0G			
0.04 - 0.35	5.4B 6.4A	0.02A	1.83G	1.7	0.38	0.04	0G			
0.35 - 1	4.6B 5.5A	0.01A	0.29G	1.56	0.37	0.05	0G			
1 - 2	4.4B 5.2A	0.02A	0.06G	1.92	0.09	0.13	0G			

Depth	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay

m	%	%	mg/kg	%	%	%	Mg/m3	%
0 - 0.04		3.2A	2K	183B				0
0.04 - 0.35		0.7A	2K	95B				0
0.35 - 1		0.3A	2K	113B				0
1 - 2		0.1A	2K	96B				2.13

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 - 0.04									
0.04 - 0.35									
0.35 - 1									
1 - 2									

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)