Project Name:
Project Code: **DUSLARA** **Site ID:** **89** **Observation ID:** **1**
Agency Name: **QLD Environment and Heritage**

Site Information

Desc. By: Lorimer, Mal
Date Desc.: 01/03/99
Map Ref.:
Northing/Long.: 146.272067906726
Easting/Lat.: -21.9643446519904 Datum: GDA94
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very slow
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Pattern Type: No Data

Morph. Type: Flat
Elem. Type: No Data
Slope: %
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Petroferric Yellow Kandosol
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Gn2.13
Great Soil Group: N/A

Site

No effective disturbance. Natural

Vegetation:

Surface Coarse

Profile

A11 0 - 0.04 m ;

A12 0.04 - 0.55 m ;

B1 0.55 - 0.93 m ;

B2 0.93 - 1.17 m ;

C 1.17 - 1.9 m ;

Morphological Notes

Observation Notes

Site Notes

Moving through a mosaic of Melaleuca species (paperbark) and Eucalyptus species (ironbark). A lot of grazing and recent fire is in
evidence.

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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	5.2B 6.2A	0.02A	2.39G	0.66	0.37	0.04	0G			
0.04 - 0.55	5.5B 6.2A	0.02A	1.09G	0.46	0.26	0.05	0G			
0.55 - 0.93	5.6B 6.3A	0.02A	1.43G	1.92	0.37	0.12	0G			
0.93 - 1.17	5.9B 7.1A	0.03A	0.6G	1.96	0.25	0.38	0G			
1.17 - 1.9	7.2B 8.5A	0.1A	1.1G	5.82	0.43	1.67				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.04		1A	2K	52B				0.12			
0.04 - 0.55		0.2A	2K	32B				0.31			
0.55 - 0.93		0.1A	2K	43B				0.25			
0.93 - 1.17		0.1A	2K	69B				5.38			
1.17 - 1.9		0.1A	2K	39B				3.53			

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 - 0.55										
0.55 - 0.93										
0.93 - 1.17										
1.17 - 1.9										

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)