

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1172 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	04/06/92	Elevation:	300 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7795276 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	390868 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Ferricrete

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thin Non-gravelly Loamy Clayey Moderately deep		Principal Profile Form:	Dr2.12
ASC Confidence:		Great Soil Group:	Non-calciic brown soil
All necessary analytical data are available.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa species, Themeda triandra, Chrysopogon fallax Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii, Eucalyptus crebra, Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.09 m	Dark reddish brown (5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B2	0.09 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Gradual change to -
C	0.6 - 1.1 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Cations Ca Mg K	Anions Na Cl SO ₄	Sulfate Sulfide S-SO ₄ -SO ₃ ²⁻	Total Dissolved Solids TDS	ECEC	ESP
m		dS/m	% meq/l	meq/L	mg/kg	g/g	mmol (+)/kg	%
0 - 0.09	6.8A		3.9B	0.89	0.41	0.04		
0.09 - 0.6	6.7A		5.9B	1.7	0.32	0.1		
0.6 - 1.1	6.5A							

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension