

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1353 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Day, KJ (Ken)	Locality:	
Date Desc.:	13/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7740788 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	314833 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Gn2.12
ASC Confidence:	Great Soil Group:	Red earth

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa species, Aristida species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia,
Eucalyptus
platyphylla

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.8 (Raupach, 0.03); Clear change to -
A12	0.05 - 0.18 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.8 (Raupach, 0.1); Gradual change to -
B21	0.18 - 0.45 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -
B22	0.45 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0.05 - 0.18	6.3A		3.2B	1.1	0.46	0.11			
0.45 - 0.6	6.4A		2.4B	0.79	0.33	0.03			

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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