

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 946 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	01/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7762906 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	373372 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	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 plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Petroferric Yellow Kandosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Gn2.85
ASC Confidence:	Great Soil Group:	Yellow earth

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Aristida species, Heteropogon contortus, Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Acacia species, Petalostigma pubescens, Alphitonia excelsa

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark grey (10YR4/1-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A2	0.12 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Gradual change to -
B1	0.2 - 0.4 m	Light yellowish brown (10YR6/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Gradual change to -
B21	0.4 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6); Gradual change to -
B22	0.7 - 0.9 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR68, 0-2% , 0-5mm; Mottles, 0-2% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.8); Gradual change to -
BC	0.9 - 1 m	; Very many (50 - 100 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; , Calcareous, , , , Gypseous, , ;

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 - 0.12	5.6A								
0.12 - 0.2	5.3A								
0.2 - 0.4	5.5A								
0.4 - 0.7	5.3A								
0.7 - 0.9	5.2A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension