

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 982 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	14/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7779924 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	380506 Datum: AGD66	Drainage:	Moderately well 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-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 Dermosol Thin Slightly gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dr2.13
ASC Confidence:	Great Soil Group:	Non-calcic brown soil
No analytical data are available but confidence is fair.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - Chrysopogon fallax, Bothriochloa species, Aristida

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus papuana, Eucalyptus crebra

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

A1	0 - 0.07 m	Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to
B1	0.07 - 0.2 m	Yellowish red (5YR5/6-Moist); ; Coarse sandy light clay; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
B21	0.2 - 0.7 m	Dark red (10R3/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; 0-2%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6); Abrupt change to -
BC	0.7 - 0.95 m	; Light clay; Massive grade of structure; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.8);

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 Cmol (+)/kg	Acidity	%
0 - 0.07	6.3A							
0.07 - 0.2	6.3A							
0.2 - 0.7	7.9A							
0.7 - 0.95	8.2A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension