

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 362 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	12/08/91	Elevation:	220 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7762902 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	465499 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	1 %	Aspect:	130 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thin Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dr2.13

ASC Confidence:	Great Soil Group:	Non-calcic brown soil
All necessary analytical data are available.		

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa pertusa, Bothriochloa ewartiana

Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Acacia bidwillii

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Clear, Smooth change to -
B1	0.04 - 0.18 m	Dark reddish brown (5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.05); Clear, Smooth change to -
B21	0.18 - 0.4 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.3); Clear, Smooth change to -
B/C	0.4 - 0.6 m	Dark red (2.5YR3/6-Moist); , 7.5YR58, 20-50% , 0-5mm, Distinct; , 20-50% ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.6); Clear, Smooth change to -
C	0.6 - 0.8 m	; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ,

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.04 - 0.18			14.8J	4.2	0.1	0.2		22.4I		0.89

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension