

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 737 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	16/08/91	Elevation:	350 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7811746 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	424928 Datum: AGD66	Drainage:	No Data

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 plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	240 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Calcaric Subnatric Brown Sodosol Thin Slightly gravelly Clay-loamy Clayey Moderately deep	Mapping Unit:	N/A
ASC Confidence:	No analytical data are available but confidence is fair.	Principal Profile Form:	Db1.13
		Great Soil Group:	Solodic soil

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

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

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana, Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subrounded, Siltstone

Profile Morphology

A	0 - 0.03 m	Dark brown (7.5YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Abrupt change to -
B1	0.03 - 0.13 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.05); Gradual change to -
B21	0.13 - 0.35 m	Brown (7.5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach, 0.3); Gradual change to -
B22k	0.35 - 0.7 m	Brown (7.5YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Many (20 - 50 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.6); Gradual change to -

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile