

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 527 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	17/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8356 GPS	Rainfall:	No Data
Northing/Long.:	7724690 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	507212 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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	230 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Dermosol Thin Non-gravelly Loamy Clayey Deep	Principal Profile Form:	Dr2.13
ASC Confidence:	Great Soil Group:	Euchrozem

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, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Acacia salicina, Erythroxylon australe

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus papuana

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, subrounded, Igneous rock (unidentified)

Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/4-Moist); ; Loam; Strong grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05);
B1	0.05 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, <2 mm, Subangular blocky; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3);
B21	0.3 - 0.9 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.9);
B22	0.9 - 1.3 m	Dark yellowish brown (10YR4/6-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Very firm consistence; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 1.3);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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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