

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 415 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	05/09/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7743288 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	454031 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Hypocalcic Subnatric Red Sodosol Thick Non-gravelly Silty Clayey Deep	Mapping Unit:	N/A
		Principal Profile Form:	Dr2.33
ASC Confidence:	All necessary analytical data are available.	Great Soil Group:	Solodic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Chrysopogon fallax, Aristida species
 Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eremophila mitchellii, Eucalyptus brownii, Acacia species

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Silty clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Clear change to -
A2e	0.2 - 0.3 m	Dark reddish brown (5YR3/4-Moist); ; Silty clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.25); Abrupt change to -
B21	0.3 - 0.95 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Few cutans, <10% of ped faces or walls coated, prominent; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.45); Clear change to -
B22	0.95 - 1.4 m	Reddish brown (5YR4/4-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, ; ; Field pH 9.5 (Raupach, 1); Field pH 9.5 (Raupach, 1.4); Clear change to -
2C	1.4 - 1.45 m	; , Calcareous, ; ; Gypseous, ; ;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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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