

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 469 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	05/11/91	Elevation:	267 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7729256 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	446978 Datum: AGD66	Drainage:	No Data

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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Brown Dermosol Thin Non-gravelly Loamy Clayey Moderately deep		Principal Profile Form:	Db3.13
ASC Confidence:		Great Soil Group:	Solodic soil

All necessary analytical data are available.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species, TRIODIA SPECIES ?
 Mid Strata - , , . *Species includes - None recorded
 Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	; Loamy fine sand; Massive grade of structure; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ;
A3	0.03 - 0.23 m	; Sandy clay loam; Massive grade of structure; Dry; Weak consistence; 0-2%, medium gravelly, 6-20mm, subangular, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05);
B2	0.23 - 0.5 m	; Light clay; Massive grade of structure; Dry; Weak consistence; 90-100%, medium gravelly, 6-20mm, subangular, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.5);

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				mol (+)/kg				%
0.03 - 0.23	6.6A									
0.23 - 0.5	7.7A		8.3J	7.9	0.1	1.3		17.6I		7.39

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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