

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 525 **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.:	7720016 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	511898 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Andesite

Land Form

Rel/Slope Class:	Rolling low hills 30-90m 10-32%	Pattern Type:	Low hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Moderately inclined
Slope:	12 %	Aspect:	160 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Basic Paralithic Orthic Tenosol Thin Very gravelly Loamy Loamy Shallow	Principal Profile Form:	Uc3.12

ASC Confidence:	Great Soil Group:	Lithosol
All necessary analytical data are available.		

Site Disturbance: Highly disturbed, for example, quarrying, roadworks, mining, landfill, urban

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Phynchelytrum repens, Heteropogon contortus,
Chrysopogon fallax Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Acacia species, Bursaria incana

Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus shirleyi, Eucalyptus papuana

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, angular, Andesite

Profile Morphology

A1	0 - 0.02 m	Brown (7.5YR4/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Andesite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Sharp, Smooth change to -
A2j	0.02 - 0.28 m	Strong brown (7.5YR5/6-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Andesite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.03); Field pH 5.8 (Raupach, 0.2); Abrupt, Irregular change to -
C	0.28 - 0.38 m	; , Calcareous, , ; , Gypseous, , ;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.02	6.3A									
0.02 - 0.28	5.3A		1.5J	1.3	0.4	0.3		3.8I		7.89

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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