

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 436 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	14/10/91	Elevation:	260 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7708330 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	426656 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Hypocalcic Subnatric Grey Sodosol Thin Non-gravelly Clay-loamy Clayey Very deep	Principal Profile Form:	Dy2.33
ASC Confidence:	Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Aristida species, Sporobolus species
Mid Strata - Shrub, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Fine sandy clay loam; Massive grade of structure; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.05); Abrupt change to -
A2j	0.05 - 0.07 m	Grey (10YR5/1-Moist); ; Fine sandy clay loam; Massive grade of structure; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Abrupt change to -
B1	0.07 - 0.2 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Abrupt change to -
B21k	0.2 - 0.45 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , Field pH 8.5 (Raupach, 0.3); Gradual change to -
B22	0.45 - 0.8 m	Greyish brown (2.5Y5/2-Moist); ; Light clay; Strong grade of structure, 100-200 mm, Lenticular; Strong grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 0.6); Gradual change to -
B23	0.8 - 1.8 m	Greyish brown (2.5Y5/3-Moist); ; Medium heavy clay; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 1.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na	Acidity					%
						Cmol (+)/kg						

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
										%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile