

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 493 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	19/11/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7692711 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	463041 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Alluvial 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:	Mapping Unit:	N/A
Bleached-Mottled Eutrophic Yellow Kandosol Thick Non-gravelly Loamy Clay-loamy Moderately deep	Principal Profile Form:	Gn2.75
ASC Confidence:	Great Soil Group:	Yellow earth

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 - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca nervosa, Eucalyptus species
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus platyphylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0); Gradual change to
A2e	0.12 - 0.4 m	Light yellowish brown (10YR6/4-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Gradual change to -
B2	0.4 - 0.7 m	Light yellowish brown (10YR6/4-Moist); Mottles, 7.5YR5/6, 10-20% , 15-30mm, Distinct; Mottles, 10-20% ; Sandy clay loam; Massive grade of structure; Dry; Very firm consistence; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m ³ /m ³							mm/h	mm/h
0.00	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.05	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.10	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.15	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.20	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.25	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.30	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.35	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.40	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.45	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.50	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.55	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.60	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.65	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.70	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.75	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.80	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.85	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.90	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.95	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.00	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.05	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.10	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.15	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.20	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.25	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.30	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.35	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.40	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.45	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.50	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.55	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.60	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.65	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.70	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.75	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.80	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.85	0									

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Laboratory Analyses Completed for this profile