

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 26 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	27/06/90	Elevation:	200 metres
Map Ref.:	Sheet No. : 8356 GPS	Rainfall:	No Data
Northing/Long.:	7725188 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	507670 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, Detrital sedimentary rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	%	Aspect:	130 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Hypocalcic Red Chromosol Medium Very gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Dr2.13
ASC Confidence:	Great Soil Group:	Red-brown earth
All necessary analytical data are available.		

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Low Strata - , , . *Species includes - Bothriochloa pertusa, Heteropogon contortus
Mid Strata - , , . *Species includes - Acacia farnesiana, Acacia species, Eucalyptus erythrophloia
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana,
Eucalyptus crebra

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

Profile Morphology

A1	0 - 0.15 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.8 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth change to -
B21	0.15 - 0.55 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Rhyolite, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B22	0.55 - 0.75 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moist; Firm consistence; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Rhyolite, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.6); Gradual, Smooth change to -
B3	0.75 - 1.1 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Rhyolite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.9); Clear, Smooth change to -
C	1.1 - 1.35 m	Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy; , Calcareous, , , , Gypseous, , , ; Soil matrix is Slightly calcareous; Field pH 9 (Raupach, 1.35);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
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