

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 237 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

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| Desc. By: M. DeCorte | Locality: |
| Date Desc.: 06/06/91 | Elevation: 200 metres |
| Map Ref.: Sheet No. : 8257 GPS | Rainfall: No Data |
| Northing/Long.: 7768442 AMG zone: 55 | Runoff: No runoff |
| Easting/Lat.: 468718 Datum: AGD66 | Drainage: Well drained |

Geology

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| Exposure Type: No Data | Conf. Sub. is Parent. Mat.: No Data |
| Geol. Ref.: No Data | Substrate Material: No Data |

Land Form

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| Rel/Slope Class: Level plain <9m <1% | Pattern Type: Alluvial plain |
| Morph. Type: Ridge | Relief: No Data |
| Elem. Type: Levee | Slope Category: Level |
| Slope: 1 % | Aspect: 0 degrees |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

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| Australian Soil Classification: | Mapping Unit: N/A |
| Basic Regolith Orthic Tenosol Medium Non-gravelly Sandy Clay-loamy Very deep | Principal Profile Form: Uc4.21 |
| ASC Confidence: | Great Soil Group: Earthy sand |

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Heteropogon contortus, Chrysopogon fallax,

Bothriochloa pertusa Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

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| A1 | 0 - 0.12 m | Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Common, medium (2-5mm) roots; Gradual, Smooth change to - |
| A3 | 0.12 - 0.31 m | Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Common, fine (1-2mm) roots; Gradual, Smooth change to - |
| B1 | 0.31 - 0.55 m | Brown (7.5YR4/4-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Common, fine (1-2mm) roots; Diffuse, Smooth change to - |
| B21 | 0.55 - 1.55 m | Strong brown (7.5YR5/6-Moist); ; Loamy sand; Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.9); Field pH 7 (Raupach, 1.5); Few, very fine (0-1mm) roots; Clear, Smooth change to - |
| B3 | 1.55 - 1.7 m | Strong brown (7.5YR4/6-Moist); ; Sandy loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Firm consistence; , Calcareous, , ; , Gypseous, , ; Few, very fine (0-1mm) roots; Clear, Smooth change to - |
| 2B2b | 1.7 - 1.8 m | Yellowish red (5YR4/6-Moist); ; Sandy clay loam (Heavy); Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.8); Few, very fine (0-1mm) roots; |

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

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| 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 |