

Project Name: Soils of the MonartoTown Site
Project Code: Monarto **Site ID:** A1143 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By: Malcolm J. Wright	Locality:
Date Desc.: 24/11/75	Elevation: No Data
Map Ref.: 1:50000	Rainfall: No Data
Northing/Long.: 6109150 AMG zone: 54	Runoff: No Data
Easting/Lat.: 332550 Datum: AGD66	Drainage: No Data

Geology

ExposureType: Soil pit	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: No Data	Pattern Type: No Data
Morph. Type: No Data	Relief: No Data
Elem. Type: Hillslope	Slope Category: Gently inclined
Slope: %	Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Uc2.21
	Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Brown (7.5YR4/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; Field pH 6.5 (Raupach); Clear, Wavy change to -
0.1 - 0.2 m	Very pale brown (10YR7/4-Moist); ; Sand; Single grain grade of structure; Loose consistence; Field pH 6.5 (Raupach);
0.2 - 0.4 m	White (10YR8/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; Field pH 6.5 (Raupach); Gradual change to -
0.4 - 0.6 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Field pH 6.5 (Raupach);
0.6 - 0.7 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Field pH 7 (Raupach); Sharp, Wavy change to -
0.7 - 1 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Field pH 7 (Raupach); Sharp, Wavy change to -
1 - 1.1 m	Very pale brown (10YR7/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Field pH 7 (Raupach); Sharp, Wavy change to -
1.1 - 1.28 m	Yellow (10YR7/6-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Field pH 7 (Raupach); Sharp change to -
1.28 - 1.34 m	Yellowish brown (10YR5/8-Moist); ; Loamy sand; Massive grade of structure; Very firm consistence; Field pH 7 (Raupach); Clear change to -
1.34 - 1.42 m	Brownish yellow (10YR6/6-Moist); ; Loamy sand; Massive grade of structure; Very weak consistence; Field pH 7.5 (Raupach); Sharp change to -
1.42 - 1.7 m	Brownish yellow (10YR6/8-Moist); ; Loamy sand; Massive grade of structure; Very firm consistence; Field pH 7.5 (Raupach); Clear change to -
1.7 - 2 m	Yellowish brown (10YR5/6-Moist); ; 2.5YR48; Clayey sand; Massive grade of structure; Very firm consistence; Field pH 8 (Raupach);
2 - 2.3 m	Brownish yellow (10YR6/8-Moist); ; 2.5YR48; ; 10YR76; Loamy sand; Massive grade of structure; Very firm consistence; Field pH 8 (Raupach);

Morphological Notes

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Thick bands of organic staining at base.
Sand becoming more compacted.
Lower boundary of 2mm thick sandy crust.
Lower boundary of 5mm thick sandy crust.
Lower boundary of 5mm thick sandy crust.
All sand grains to this depth are moderately well sorted, rounded and frosted.
Very hard sharply defined surface (Parilla Sand).

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible]

Depth m	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV	CS	Size FS %	Analysis Silt	Clay
0 - 0.1	0.12C								3l	21	3	2
0.1 - 0.2												
0.2 - 0.4												
0.4 - 0.6												
0.6 - 0.7	0.33C								1l	30	1	1
0.7 - 1												
1 - 1.1												
1.1 - 1.28												
1.28 - 1.34	<0.1C								2l	22	2	12
1.34 - 1.42												
1.42 - 1.7												
1.7 - 2												
2 - 2.3	0.1C								3l	28	3	15

[illegible]

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5_NR	Water soluble Chloride - Cl(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded