Project Name: **Adelaide Hills Resource Study**
Project Code: **AHR** **Site ID:** **A1118** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

Site Information

Desc. By: Malcolm J. Wright
Date Desc.: 01/06/73
Map Ref.:
Northing/Long.: 138.75
Easting/Lat.: -35.0166666666667
Locality:
Elevation: No Data
Rainfall: 0
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Dy2.41
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	; Silty loam;
0.1 - 0.2 m	Light yellowish brown (10YR6/4-Moist); ; Silty loam;
0.2 - 0.5 m	;
- m	;
- m	;
- m	;
0.6 - 0.7 m	Reddish brown (2.5YR5/4-Moist); , 10YR82; , 10YR66; Clay loam;
0.7 - 0.8 m	; Clay loam;
0.8 - 0.9 m	; Clay loam;
0.9 - 1 m	; Silty clay loam;

Morphological Notes

Observation Notes

Site Notes

ALDGATE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	5.4A	0.06C	0.4K	0.7	0.43	0.2				
0.1 - 0.2										
0.2 - 0.3	5.6A	0.06C								
0.3 - 0.4	5.8A	0.06C	1.2K	2.2	0.59	0.25				
-										
0.5 - 0.6	5.5A	0.06C								
0.6 - 0.7										
0.7 - 0.8										
0.8 - 0.9										
0.9 - 1	5.3A	0.06C	0.2K	1.2	0.16	0.2				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		1.5E							2C	52	28	17
0.1 - 0.2												
0.2 - 0.3		0.9E										
0.3 - 0.4		0.6E							2C	28	21	49
-												
0.5 - 0.6		0.3E										
0.6 - 0.7												
0.7 - 0.8												
0.8 - 0.9												
0.9 - 1		0.1E							1C	33	34	32

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 - m3/m3						mm/h	mm/h
0 - 0.1									
0.1 - 0.2									
0.2 - 0.3									
0.3 - 0.4									
-									
0.5 - 0.6									
0.6 - 0.7									
0.7 - 0.8									
0.8 - 0.9									
0.9 - 1									

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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_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
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6Z	Organic carbon (%) - Not recorded
MIN_EC	Exchange Capacity - Minerology
MIN_NR_K2O	Kaolin minerals
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
XRD_C_Gb	Gibbsite - X-Ray Diffraction
XRD_C_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction
XRD_C_Vm	Vermiculte - X-Ray Diffraction