Project Name: Adelaide Hills Resource Study
Project Code: AHR **Site ID:** A1129 **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.: 138.7833333
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: No Data
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:
Mottled Mesotrophic Yellow Kandosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Gn2.24
Great Soil Group: Yellow podzolic soil

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	; Loam;
0.1 - 0.4 m	;
0.2 - 0.3 m	; Loam;
0.3 - 0.4 m	Light olive brown (2.5Y5/4-Moist); ; Silty clay loam;
0.4 - 0.5 m	Light yellowish brown (2.5Y6/4-Moist); ; Medium clay;
0.5 - 0.8 m	;
- m	;
- m	;
0.8 - 0.9 m	Grey (5Y6/1-Moist); , 2.5YR48; , 7.5YR48; Silty clay loam;
0.9 - 1 m	; Silty loam;

Morphological Notes

Observation Notes

Site Notes

ALDGATE

Project Name: Adelaide Hills Resource Study
Project Code: AHR **Site ID:** A1129 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

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	5.5A	0.06C	0.8K	0.7	0.29	0.09				
0.1 - 0.2	5.5A	0.06C								
0.2 - 0.3	5.7A	0.06C	0.8K	1	0.16	0.11				
0.3 - 0.4										
0.4 - 0.5										
0.5 - 0.6	5.8A	0.06C								
0.6 - 0.7										
-										
0.8 - 0.9										
0.9 - 1	6A	0.06C	0.5K	7.3	0.17	0.87				

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		2.2E							5C	64	14	12
0.1 - 0.2		0.6E										
0.2 - 0.3		0.4E							3C	54	29	23
0.3 - 0.4												
0.4 - 0.5												
0.5 - 0.6		0.3E										
0.6 - 0.7												
-												
0.8 - 0.9												
0.9 - 1		0.2E							3C	47	29	22

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									
0.4 - 0.5									
0.5 - 0.6									
0.6 - 0.7									
-									
0.8 - 0.9									
0.9 - 1									

Project Name: **Adelaide Hills Resource Study**
Project Code: **AHR** **Site ID:** **A1129** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (SA)**

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
5_NR	Water soluble Chloride - Cl(%) - Not recordede
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_Gt	Geothite - X-Ray Diffraction
XRD_C_Il	Illite - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Mm	Montmorillonite - X-Ray Diffraction
XRD_C_Vm	Vermiculte - X-Ray Diffraction