Project Name: **SWV**
Project Code: **SWV** **Site ID:** **P188** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (WA)**

Site Information

Desc. By: L.W. Pym
Date Desc.: 04/12/53
Map Ref.: Sheet No. : 2034 1:100000
Northing/Long.: 115.991666666667
Easting/Lat.: -31.8444444444445
Locality: Loc. H. George Road on boundary of lots 9 and14:
Elevation: 15 metres
Rainfall: 0
Runoff: Slow
Drainage: Imperfectly drained

Geology

ExposureType: Soil pit
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Eutrophic Brown Kandosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: Brown podzolic soil

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Tree, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.025 m	Greyish brown (2.5Y5/2-Moist); ; Sandy loam (Fibric); Weak grade of structure; Weak consistence; Field pH 6 (pH meter); Diffuse, Smooth change to -
A2	0.025 - 0.2 m	Brown (7.5YR5/4-Moist); ; Sandy loam; Massive grade of structure; Field pH 6 (pH meter); Diffuse, Smooth change to -
B1	0.2 - 0.38 m	Yellowish brown (10YR5/6-Moist); ; Sandy medium clay; Massive grade of structure; Field pH 6 (pH meter); Diffuse, Smooth change to -
B2	0.38 - 0.71 m	Yellowish brown (10YR5/8-Moist); , 5Y52; , 10YR21; Sandy medium clay; Massive grade of structure; 2-10%, Substrate material, coarse fragments; Field pH 6 (pH meter); Diffuse, Smooth change to -

Morphological Notes

Observation Notes

38-71CM GV FERRUGINISED:

Site Notes

SOUTH-WEST LD

Project Name: SWV
Project Code: SWV **Site ID:** P188 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.025	6.2A	0.161A								
0.025 - 0.2	6.5A	0.027A								
0.2 - 0.38	6.1A	0.033A	1.55K	1.72	0.3	0.2	5.1E		8.9B	
0.38 - 0.71	6.6A	0.039A								

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 - 0.025		3.34D		0.017D	0.218B				19D	45	11	14
0.025 - 0.2									21D	45	11	20
0.2 - 0.38				0.009D					18D	48	11	22
0.38 - 0.71									20D	39	13	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 - 0.025									
0.025 - 0.2									
0.2 - 0.38									
0.38 - 0.71									

Project Name: **SWV**
Project Code: **SWV** **Site ID:** **P188** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (WA)**

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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
9A_HCL	Total element - P(%) - By boiling HCl
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance