

Project Name: SWV
Project Code: SWV **Site ID:** P190 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	18932 northern boundary:sampled from gravel reserve:
Date Desc.:	12/12/53	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:	116.0466667	Runoff:	Slow
Easting/Lat.:	-31.8033333	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Escarpment
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Ferric Mesotrophic Yellow Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
No analytical data are available but confidence is fair.			

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Mid Strata - Tree, , . *Species includes - None recorded

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.025 m	Grey (10YR5/1-Moist); ; Sand (Fibric); Weak grade of structure; Dry; Loose consistence; 0-2%, rounded, Substrate material, coarse fragments; Field pH 6 (pH meter); Clear, Smooth change to -
A2	0.025 - 0.58 m	Light yellowish brown (10YR6/4-Moist); ; Loamy coarse sand; Single grain grade of structure; Dry; Loose consistence; 20-50%, rounded, Substrate material, coarse fragments; Field pH 6 (pH meter); Clear, Wavy change to -
B1	0.58 - 0.94 m	Brownish yellow (10YR6/6-Moist); , 2.5YR56, 2-10% ; , 2-10% ; Sandy medium clay; Massive grade of structure; Dry; Weak consistence; 20-50%, rounded, Substrate material, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -
B2	0.94 - 1.45 m	Brownish yellow (10YR6/6-Moist); , 2.5YR58; Sandy medium clay; Massive grade of structure; Dry; Weak consistence; 2-10%, rounded, Substrate material, coarse fragments; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

0-145CM GRAVELS THROUGHOUT PISOLITIC AND FERRUGINISED:

Site Notes

SOUTH-WEST LD

Project Name: SWV

Project Code: SWV

Agency Name: CSIRO Division of Soils (WA)

Site ID: P190

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.025	6.4A	0.027A								
0.025 - 0.58	6.7A	0.021A	1.15K	0.5	0.7	0.62	4.4E		7.4B	
0.58 - 0.94	6.6A	0.024A	1.8K	1.65	0.25	0.08	5.2E		9B	
0.94 - 1.45	6.6A	0.033A								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.025												
0.025 - 0.58									66D	20	3	
0.58 - 0.94									43D	15	8	10
0.94 - 1.45												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
			g/g - m3/m3		
0 - 0.025					
0.025 - 0.58					
0.58 - 0.94					
0.94 - 1.45					

Project Name: SWV
Project Code: SWV **Site ID:** P190 **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
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