

Project Name: SWV
Project Code: SWV **Site ID:** P174 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	From side of quarry 15 chains east of Main West Swan Road:
Date Desc.:	12/05/53	Elevation:	8 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	115.9994444	Runoff:	Rapid
Easting/Lat.:	-31.8291667	Drainage:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	Flood plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Channel bench	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Eutrophic Red Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Alluvial soil
Analytical data are incomplete but reasonable confidence.			

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR5/4-Moist); ; Fine sand (Fibric); Single grain grade of structure; Dry; Loose consistence;
A2	0.08 - 0.3 m	Brown (7.5YR4/4-Moist); ; Fine sand; Single grain grade of structure; Dry; Loose consistence;
A3	0.3 - 0.58 m	Light yellowish brown (10YR6/4-Moist); , 2.5Y74, 2-10% ; , 2-10% ; Fine sand; Dry; Loose consistence; Diffuse, Smooth change to -
B1	0.58 - 1.07 m	Yellowish red (5YR4/6-Moist); , 10YR76; Fine sandy clay loam; Massive grade of structure; Dry; Very strong consistence; Moderately plastic; Normal plasticity; Clear, Smooth change to -
B2	1.07 - 1.45 m	Yellowish red (5YR4/6-Moist); , 10YR76; Fine sandy loam; Moist; Loose consistence; Slightly plastic; Normal plasticity;
B3	1.52 - 1.88 m	Red (2.5YR4/6-Moist); , 10YR76; Medium clay; Moist; Moderately plastic; Normal plasticity;

Morphological Notes

Observation Notes

0-58CM MICACEOUS FINE SAND:

Site Notes

SOUTH-WEST LD

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 - 0.08	5.7A	0.048A	1.6K	1	0.47	0.12	7.4E		9.6B	
0.08 - 0.3	5.6A									
0.3 - 0.58	6A									
0.58 - 1.07	6.1A	0.03A	2K	1.6	0.3	0.12	3E		7B	
1.07 - 1.45	6.3A									
1.52 - 1.88	6.4A	0.039A								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08		1.43D		0.011D	0.159B			2	21D	62	4	9
0.08 - 0.3												
0.3 - 0.58												
0.58 - 1.07				0.007D					21D	58	5	20
1.07 - 1.45												
1.52 - 1.88									9D	50	6	33

[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_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_GRAV	Gravel (%)
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