

Project Name: SWV
Project Code: SWV **Site ID:** P108 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	In St. Albans Vineyard southern portion between buildings and Swan River:
Date Desc.:	23/10/52	Elevation:	15 metres
Map Ref.:		Rainfall:	0
Northing/Long.:	116.001111	Runoff:	Moderately rapid
Easting/Lat.:	-31.83805556	Drainage:	Rapidly drained

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Chromosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Alluvial soil
No analytical data are available but confidence is fair.			

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.13 m	Dark greyish brown (10YR4/2-Moist); ; Sand (Fibric); Single grain grade of structure; Moist; Loose consistence; Field pH 8 (pH meter); Diffuse, Irregular change to -
A2	0.13 - 0.23 m	Dark grey (5YR4/1-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; Field pH 8 (pH meter); Diffuse, Irregular change to -
A3	0.23 - 0.46 m	Dark greyish brown (10YR4/2-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; Field pH 6 (pH meter); Diffuse, Smooth change to -
A3	0.46 - 0.96 m	Brown (10YR4/3-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (pH meter); Diffuse, Smooth change to -
A4	0.96 - 1.12 m	Reddish brown (5YR4/4-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (pH meter);
B1	1.47 - 1.93 m	Yellowish red (5YR5/8-Moist); ; Sandy medium clay; Moist; Moderately plastic; Normal plasticity; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

SOUTH-WEST LD

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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 - 0.13	8.1A	0.086A								
0.13 - 0.23	7.2A	0.048A								
0.23 - 0.46	6.1A	0.021A								
0.46 - 0.96	6.1A	0.033A								
0.96 - 1.12	6.5A	0.048A	2.4K	0.6	0.31	0.06			3.4B	
1.47 - 1.93	6.3A	0.086A								

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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
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