

Project Name: SWV
Project Code: SWV **Site ID:** P166 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	70 chains east of railway on north boundary 1 chain south of north boundary:
Date Desc.:	27/04/53	Elevation:	8 metres
Map Ref.:	Sheet No. : 2134 1:100000	Rainfall:	0
Northing/Long.:	116.039722222222	Runoff:	Slow
Easting/Lat.:	-31.788055555556	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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Backplain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Eutrophic Grey Kandosol		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 - 0.04 m	Dark greyish brown (10YR4/2-Moist); ; Loam (Fibric); Dry; Weak consistence; Diffuse, Smooth change to -
A2	0.04 - 0.3 m	Greyish brown (10YR5/2-Moist); , 7.5YR6/6, 2-10% ; , 2-10% ; Loam; Moist; Weak consistence; Diffuse, Smooth change to -
A3	0.3 - 0.63 m	Dark greyish brown (10YR4/2-Moist); , 10YR3/3; Loam; Moist; Weak consistence; Diffuse, Smooth change to -
D	0.63 - 1.19 m	Dark greyish brown (10YR4/2-Moist); ; Fine sand (Heavy); Moist; Weak consistence;

Morphological Notes

Observation Notes

0-63CM MICACEOUS LOAM:>157CM STRONG BROWN SCLFS + WITH LIGHT BROWN MOTTLE:

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 - 0.04	6.4A	0.298A								
0.04 - 0.3	6.1A	0.09A	10.7K	7.4	0.47	0.38	14.6E		33.6B	
0.3 - 0.63	6.5A	0.042A								
0.63 - 1.19	7A	0.057A	3.7K	3.3	0.05	0.5	3.4E		10.9B	

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 - 0.04		6.84D		0.062D	0.44B			<1	3D	44	28	20
0.04 - 0.3					0.25B				2D	46	29	23
0.3 - 0.63												
0.63 - 1.19				0.013D	0.044B			18	17D	57	9	15

[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