

**Project Name:** SWP  
**Project Code:** SWP      **Site ID:** P629      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	W.M. MacArthur	<b>Locality:</b>	Upper Swan Valley on 'Belhus' Vineyard - approx 3.3KM south west of upper Swan:
<b>Date Desc.:</b>	01/11/69	<b>Elevation:</b>	15 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	860
<b>Northing/Long.:</b>	116	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-31.783333333333	<b>Drainage:</b>	No Data

**Geology**

<b>Exposure Type:</b>	Undisturbed soil core	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Terrace (alluvial)
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Backplain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Mottled Mesotrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn2.15
<b>ASC Confidence:</b>	No analytical data and little or no knowledge of this soil.	<b>Great Soil Group:</b>	Red earth

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

p	0 - 0.1 m	Brown (7.5YR4/2-Moist); ; Sandy loam; Weak grade of structure; Weak consistence;
p	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); , 5YR56; Sandy loam; Weak grade of structure; Weak consistence;
p	0.2 - 0.3 m	Brown (7.5YR4/4-Moist); , 5YR56; Sandy loam; Weak grade of structure; Weak consistence; Abrupt change to -
	0.3 - 0.6 m	Yellowish red (5YR4/6-Moist); , 10YR54; Sandy clay loam; Weak grade of structure; Firm consistence;
	0.6 - 0.9 m	Yellowish red (5YR4/6-Moist); , 10YR54; Sandy clay loam; Weak grade of structure; Very firm consistence;
	0.9 - 1.2 m	Yellowish red (5YR4/6-Moist); , 10YR54; Sandy medium clay; Weak grade of structure; Very firm consistence;
	1.2 - 1.5 m	Yellowish red (5YR4/6-Moist); , 10YR54; Sandy medium clay; Weak grade of structure; Very strong consistence;
	1.5 - 1.6 m	Yellowish red (5YR4/6-Moist); , 10YR54; Sandy medium clay; Weak grade of structure; Very strong consistence;
	1.6 - 1.7 m	Strong brown (7.5YR5/6-Moist); , 10YR54; Sandy clay loam; Weak grade of structure; Very strong consistence;

**Morphological Notes**

**Observation Notes**

LAYERS RE NUMBERED 15/10/92

**Site Notes**

SWAN VALLEY

**Laboratory Test Results:**

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.6  
0.6 - 0.9  
0.9 - 1.2  
1.2 - 1.5  
1.5 - 1.6  
1.6 - 1.7

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.6  
0.6 - 0.9  
0.9 - 1.2  
1.2 - 1.5  
1.5 - 1.6  
1.6 - 1.7

0 - 0.1  
0.1 - 0.2  
0.2 - 0.3  
0.3 - 0.6  
0.6 - 0.9  
0.9 - 1.2  
1.2 - 1.5  
1.5 - 1.6  
1.6 - 1.7

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Laboratory Analyses Completed for this profile