

**Project Name:** SOU  
**Project Code:** SOU      **Site ID:** P723      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	Thomson Road 0.6KM north of Nicol Road (hole 10 OF I/13/34):
<b>Date Desc.:</b>	02/11/82	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 2228 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	116.716666666667	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-34.766666666667	<b>Drainage:</b>	No Data

**Geology**

<b>Exposure Type:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Swamp	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Saline

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Sodosolic Redoxic Hydrosol	<b>Principal Profile Form:</b>	Dy3.42
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solonetz
All necessary analytical data are available.		

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:**

Mid Strata - Heath shrub, , . \*Species includes - None recorded

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

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.02 m	Very dark grey (10YR3/1-Moist); ; Fine sand; <2 mm, Platy;
0.02 - 0.05 m	Very pale brown (10YR7/3-Moist); ; Fine sand; Single grain grade of structure; Very weak consistence;
0.05 - 0.1 m	Light grey (10YR7/2-Moist); ; Fine sand; Single grain grade of structure; Very weak consistence;
0.1 - 0.2 m	Light grey (10YR7/2-Moist); ; Fine sand; Single grain grade of structure; Very weak consistence;
0.3 - 0.4 m	Light brownish grey (10YR6/2-Moist); ; Clayey fine sand; Single grain grade of structure; Firm consistence;
0.4 - 0.5 m	Pale brown (10YR6/3-Moist); , 5G72; Sandy medium clay; Massive grade of structure; Very plastic; Normal plasticity;
0.6 - 0.7 m	Pale brown (10YR6/3-Moist); , 10YR68; Sandy medium clay; Massive grade of structure; Very plastic; Normal plasticity;
0.8 - 0.9 m	Pale brown (10YR6/3-Moist); , 5G62; Sandy medium clay; Massive grade of structure; Very plastic; Normal plasticity;
0.9 - 1.1 m	Light brownish grey (10YR6/2-Moist); , 10YR64; Sandy medium clay; Massive grade of structure;

**Morphological Notes**

**Observation Notes**

90-110CM POCKETS OF CLAY AND SAND ZONES:>110CM STOPPED BY BOG FE ORE LAYER:

**Site Notes**

**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 - 0.02	5A	0.33A	0.92K	1.76	0.12	1.14				
0.02 - 0.05	5.8A	0.054A								
0.1 - 0.2	6.5A	0.08A								
0.4 - 0.5	7.5A	0.214A	2.84K	11.2	0.27	6.4				
0.6 - 0.7	7.2A	0.247A								
0.9 - 1.1	6.9A	0.196A								

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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
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
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