

**Project Name:** National Soil Fertility  
**Project Code:** NSF **Site ID:** SW52 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	Coppi, John	<b>Locality:</b>	
<b>Date Desc.:</b>	03/07/70	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 6629 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	138.583333333333	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-34.25	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	No Data	<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>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
N/A		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.1 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.1 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.2 - 0.3 m	Brown (7.5YR4/2-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Soil matrix is Highly
0.3 - 0.4 m	Pink (7.5YR8/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.4 - 0.5 m	Pink (7.5YR8/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.5 - 0.6 m	Pink (7.5YR8/4-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.6 - 0.7 m	Pink (7.5YR8/4-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.7 - 0.8 m	Pink (7.5YR8/4-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.8 - 0.9 m	Very pale brown (10YR7/4-Moist); ; Heavy clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.9 - 1 m	Very pale brown (10YR7/4-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Very strong consistence; Very few (0 - 2 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;

**Morphological Notes**

**Observation Notes**

ORIGINALLY SW70/W32; DATA IS FROM BULK OF 8 CORES;

**Site Notes**

OWEN

**Project Name:** National Soil Fertility  
**Project Code:** NSF      **Site ID:** SW52      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

Project Name: National Soil Fertility  
Project Code: NSF Site ID: SW52 Observation ID: 1  
Agency Name: CSIRO Division of Soils (SA)

**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 - 0.1	8.1I	0.47D								
0.1 - 0.2	8.4I	0.21D								
0.2 - 0.3	8.7I	0.26D								
0.3 - 0.4	9I	0.3D								
0.4 - 0.5	9.1I	0.42D								
0.5 - 0.6	9.2I	0.59D								
0.6 - 0.7	9.2I	0.77D								
0.7 - 0.8	9.2I	0.97D								
0.8 - 0.9	9.2I	1.18D								
0.9 - 1	9.2I	1.33D								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
0 - 0.1	10.4C				0.132A				5C	28	9	41
0.1 - 0.2	10.3C				0.085A				4C	26	5	46
0.2 - 0.3	11.3C				0.068A							
0.3 - 0.4	13.2C											
0.4 - 0.5	16.2C											
0.5 - 0.6	15.9C				0.045A							
0.6 - 0.7	18.2C											
0.7 - 0.8	17.6C											
0.8 - 0.9	15.3C											
0.9 - 1	14.1C				0.025A				3C	22	6	43

[illegible]

**Project Name:** National Soil Fertility  
**Project Code:** NSF                      **Site ID:** SW52                      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Laboratory Analyses Completed for this profile**

19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2A1	Air-dry moisture content
3_C_B	Electrical conductivity or soluble salts - Total soluble salts %
4A_C_2.5	pH of soil - pH of 1:2.5 soil/water suspension
5_C_B	Water soluble Chloride - Method recorded as B
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded