

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW50 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	03/07/70	Elevation:	No Data
Map Ref.:	Sheet No. : 6629 1:100000	Rainfall:	0
Northing/Long.:	138.75	Runoff:	No Data
Easting/Lat.:	-34.3333333333333	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Weak consistence; 0-2%, coarse fragments;
0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); ; Loamy sand; Massive grade of structure; Weak consistence; 0-2%, coarse fragments;
0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Loamy sand; Massive grade of structure; Weak consistence; 0-2%, coarse fragments;
0.3 - 0.4 m	Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; 0-2%, coarse fragments;
0.4 - 0.5 m	Reddish yellow (5YR6/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.5 - 0.6 m	Reddish yellow (5YR6/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.6 - 0.7 m	Reddish yellow (5YR6/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.7 - 0.8 m	Reddish yellow (5YR6/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.8 - 0.9 m	Reddish yellow (5YR6/6-Moist); ; Light clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.9 - 1 m	Reddish yellow (5YR6/6-Moist); ; Heavy clay; Massive grade of structure; Strong consistence; Common (10 - 20 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;

Morphological Notes

Observation Notes

SW70/W30; DATA IS FROM BULK OF 8 CORES;

Site Notes

HAMLEY BRIDGE

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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 - 0.1	7.6I	0.24D								
0.1 - 0.2	7.9I	0.24D								
0.2 - 0.3	8.2I	0.34D								
0.3 - 0.4	8.6I	0.49D								
0.4 - 0.5	8.8I	0.59D								
0.5 - 0.6	9I	0.65D								
0.6 - 0.7	9.1I	0.64D								
0.7 - 0.8	9.2I	0.59D								
0.8 - 0.9	9.2I	0.6D								
0.9 - 1	9.2I	0.59D								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1					0.044A				39C	48	5	8
0.1 - 0.2	0.2C				0.03A							
0.2 - 0.3	0.4C				0.04A							
0.3 - 0.4	4C								21C	20	3	47
0.4 - 0.5	19.7C											
0.5 - 0.6	28.3C				0.025A							
0.6 - 0.7	37.9C											
0.7 - 0.8	41.2C											
0.8 - 0.9	38.2C											
0.9 - 1	33C				0.013A				8C	23	9	26

[illegible]

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Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - 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
MIN_EC	Exchange Capacity - Minerology
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
XRD_C_Hm	Hematite - X-Ray Diffraction
XRD_C_Il	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction
XRD_C_Qz	Quartz - X-Ray Diffraction