

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW46 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	28/04/70	Elevation:	No Data
Map Ref.:	Sheet No. : 6531 1:100000	Rainfall:	0
Northing/Long.:	138.466666666667	Runoff:	No Data
Easting/Lat.:	-33.25	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:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Um6.23
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark red (2.5YR3/6-Moist); ; Clay loam; Strong grade of structure, 2-5 mm, Subangular blocky; Firm consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.1 - 0.2 m	Dark red (2.5YR3/6-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.2 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.3 - 0.4 m	Red (2.5YR4/6-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.4 - 0.5 m	Red (2.5YR4/6-Moist); ; Heavy clay; Strong grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.5 - 0.6 m	Red (2.5YR4/6-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.6 - 0.7 m	Yellowish red (5YR5/6-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.7 - 0.8 m	Yellowish red (5YR5/6-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Very strong consistence; 0-2%, coarse fragments; Soil matrix is Highly calcareous;
0.8 - 1.1 m	;

Morphological Notes

Observation Notes

SW70/W26; DATA IS FROM BULK OF 8 CORES;

Site Notes

JAMESTOWN

Project Name: National Soil Fertility
Project Code: NSF Site ID: SW46 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	8.4I	0.2D								
0.1 - 0.2	8.7I	0.19D								
0.2 - 0.3	8.9I	0.21D								
0.3 - 0.4	8.9I	0.37D								
0.4 - 0.5	9.1I	0.4D								
0.5 - 0.6	9.1I	0.55D								
0.6 - 0.7	9I	0.84D								
0.7 - 0.8	9I	1.06D								
0.8 - 0.9	8.6I	2.03D								
0.9 - 1	8.2I	3.15D								

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 - 0.1	3.4C				0.105A				5C	28	10	47
0.1 - 0.2	8.8C				0.083A				5C	21	9	49
0.2 - 0.3	11C				0.069A							
0.3 - 0.4	13.9C											
0.4 - 0.5	14.4C											
0.5 - 0.6	16C				0.045A							
0.6 - 0.7	16.3C											
0.7 - 0.8	14C											
0.8 - 0.9	14.9C											
0.9 - 1	13.4C				0.02A				3C	13	9	52

[illegible]

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW46 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

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