

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SP6 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	27/05/70	Elevation:	No Data
Map Ref.:	Sheet No. : 7022 1:100000	Rainfall:	760
Northing/Long.:	140.75	Runoff:	No Data
Easting/Lat.:	-37.55	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	<1 %	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:	Dy3.42
		Great Soil Group:	Yellow podzolic soil

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Brown (7.5YR4/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.1 - 0.2 m	Brown (7.5YR4/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.2 - 0.3 m	Brown (7.5YR4/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.3 - 0.4 m	Brown (10YR5/3-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.4 - 0.5 m	Brown (10YR5/3-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Gravel, coarse fragments;
0.5 - 0.55 m	Light yellowish brown (10YR6/4-Moist); ; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Gravel, coarse fragments;
0.55 - 0.6 m	Yellowish brown (10YR5/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Gravel, coarse
0.6 - 0.7 m	Yellowish brown (10YR5/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Gravel, coarse
0.7 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Gravel, coarse
0.8 - 0.9 m	Yellowish brown (10YR5/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence; 0-2%, Gravel, coarse
0.9 - 1 m	Yellowish brown (10YR5/4-Moist); , 2.5YR48, 10-20% , Distinct; , 10-20% , Distinct; Heavy clay; Strong grade of structure, 5-10 mm; Very strong consistence;

Morphological Notes

Observation Notes

SP70/P9; CHEMICAL DATA IS FROM BULK OF 8 CORES;

Site Notes

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Laboratory Analyses Completed for this profile

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 - Mineralogy
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_II	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction