

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW31 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	Coppi, John	Locality:	
Date Desc.:	01/06/70	Elevation:	No Data
Map Ref.:	Sheet No. : 6130 1:100000	Rainfall:	0
Northing/Long.:	136.266666666667	Runoff:	No Data
Easting/Lat.:	-33.916666666667	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:	Dy5.83
		Great Soil Group:	Solodized solonetz

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Quartz, coarse fragments;
0.1 - 0.2 m	Light grey (10YR7/2-Moist); ; Sand; Massive grade of structure; Very weak consistence; 0-2%, Quartz, coarse fragments;
0.2 - 0.3 m	Light red (2.5YR6/6-Moist); ; Sandy medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; 0-2%, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, , ;
0.3 - 0.4 m	Light red (2.5YR6/6-Moist); ; Sandy medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; Very few (0 - 2 %), Ferruginous, , ;
0.4 - 0.5 m	Reddish yellow (7.5YR7/8-Moist); ; Sandy medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Very strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.5 - 0.6 m	Reddish yellow (7.5YR7/8-Moist); ; Sandy medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.6 - 0.7 m	Reddish yellow (7.5YR6/8-Moist); ; Sandy medium clay; Moderate 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	Reddish yellow (7.5YR6/8-Moist); ; Sandy medium clay; Moderate 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	Reddish yellow (7.5YR8/6-Moist); ; Sand; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;
0.9 - 1 m	Reddish yellow (7.5YR8/6-Moist); ; Sandy medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong consistence; Few (2 - 10 %), Calcareous, , Nodules; Soil matrix is Highly calcareous;

Morphological Notes

Observation Notes

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW31
Agency Name: CSIRO Division of Soils (SA)

Observation ID: 1

ORIGINALLY SW70/W7; DATA IS FROM BULK OF 8 CORES;

Site Notes

WHARMINDA

Project Name: National Soil Fertility
Project Code: NSF Site ID: SW31 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	7.7I	0.24D								
0.1 - 0.2	8.9I	0.26D								
0.2 - 0.3	9.1I	0.51D								
0.3 - 0.4	9.2I	0.65D								
0.4 - 0.5	9.5I	0.71D								
0.5 - 0.6	9.5I	0.83D								
0.6 - 0.7	9.7I	0.86D								
0.7 - 0.8	9.6I	0.88D								
0.8 - 0.9	9.7I	0.93D								
0.9 - 1	9.7I	0.9D								

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					0.043A				40C	54	0	5
0.1 - 0.2	0.7C				0.023A				32C	53	3	9
0.2 - 0.3	5.9C				0.031A							
0.3 - 0.4	20.1C											
0.4 - 0.5	28.2C											
0.5 - 0.6	35.6C				0.017A							
0.6 - 0.7	34.8C											
0.7 - 0.8	28.6C											
0.8 - 0.9	26.2C											
0.9 - 1	19.1C				0.009A				23C	33	2	22

[illegible]

Project Name: National Soil Fertility
Project Code: NSF **Site ID:** SW31 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Laboratory Analyses Completed for this profile

19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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