

**Project Name:** NSF  
**Project Code:** NSF      **Site ID:** VW62      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (VIC)

**Site Information**

<b>Desc. By:</b>		<b>Locality:</b>	
<b>Date Desc.:</b>	//	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	142.716666666667	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-35.066666666667	<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>	Gc1.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solonized brown soil
Confidence level not specified			

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.1 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Massive grade of structure; Common (10 - 20 %), Calcareous, , Soft segregations; Gradual change to -
0.5 - 0.6 m	Yellowish red (5YR5/6-Moist); ; Sandy loam; Massive grade of structure; 0-2%, Calcarenite, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations; Gradual change to -
0.6 - 0.7 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; 0-2%, Calcarenite, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations;
0.7 - 1 m	Red (2.5YR4/6-Moist); , 5YR83; Medium clay; Massive grade of structure; 20-50%, Calcarenite, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
1 - 1.1 m	Red (2.5YR4/6-Moist); , 5YR83; Medium clay; Massive grade of structure; 20-50%, Calcarenite, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
1.1 - 1.4 m	;

**Morphological Notes**

**Observation Notes**

VW71/W3

**Site Notes**

MANANGATANG

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**Laboratory Test Results:**

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1			13K	2.4	2.2	1				
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.4			6.6K	6.4	1.3	2.3				
0.4 - 0.5	9.5I	0.84D								
0.5 - 0.6										
0.6 - 0.7	9.6I	1.75D								
0.7 - 0.8	9.5I	1.73D								
0.8 - 0.9	9.5I	1.8D								
0.9 - 1			1.9K	8.6	2.3	9.8				

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					0.078A				41C	31	4 15
0.1 - 0.2					0.065A						
0.2 - 0.3					0.046A						
0.3 - 0.4									26C	22	4 20
0.4 - 0.5		0.31A									
0.5 - 0.6					0.023A						
0.6 - 0.7		0.2A									
0.7 - 0.8		0.16A									
0.8 - 0.9		0.15A									
0.9 - 1					0.011A				15C	14	9 28

[illegible]

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**Laboratory Analyses Completed for this profile**

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - 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
6A1	Organic carbon - Walkley and Black
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_II	Illite - X-Ray Diffraction
XRD_C_Is	Interstratified clay minerals - X-Ray Diffraction
XRD_C_Ka	Kaolin - X-Ray Diffraction