**Project Name:** NSF

**Project Code:** NSF Site ID: **VW65** Observation ID: 1

**Agency Name: CSIRO Division of Soils (VIC)** 

**Site Information** 

Desc. By: Date Desc.: Locality: Elevation: No Data Map Ref.: Rainfall: Northing/Long.: 142.95 Runoff: No Data -35.4666666666667 Easting/Lat.: Drainage: No Data

<u>Geology</u>

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: Elem. Type: Relief: No Data No Data No Data **Slope Category:** No Data Aspect: No Data Slope:

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

**Australian Soil Classification:** Mapping Unit: N/A **Principal Profile Form:** Gc1.12

**ASC Confidence: Great Soil Group:** Solonized brown

soil

Confidence level not specified

Site Disturbance:

**Vegetation:** 

**Surface Coarse Fragments:** 

**Profile Morphology** 

0 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; 2-10%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.2 - 0.4 m	Brown (7.5YR5/4-Moist); ; Loam; Massive grade of structure; 2-10%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.4 - 0.5 m	Reddish yellow (7.5YR6/6-Moist); ; Loam; Massive grade of structure; 20-50%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.5 - 0.7 m	Reddish yellow (7.5YR6/6-Moist); ; Loam; Massive grade of structure; 2-10%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Gradual change to -
0.7 - 1 m	Strong brown (7.5YR5/8-Moist); ; Clay loam; Massive grade of structure; 2-10%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;
1 - 1.1 m	Reddish yellow (5YR8/8-Moist); Pink (5YR8/4-Dry); ; Light clay; Massive grade of structure; 2-10%, Calcarenite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations;
1.1 - 1.4 m	;

## **Morphological Notes**

**Observation Notes** 

VW71/W6

**Site Notes** 

SEALKE

NSF

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## **Laboratory Test Results:**

Laboratory			_		0	_		050			505
Depth	pН	1:5 EC	Ca	:hangeable Mg	Cations K	Na E	exchangeable Acidity	e CEC	EC	EC	ESP
m		dS/m		9		Cmol (+)					%
0 - 0.1 0.1 - 0.2			13K	1.9	1.4	0.6					
0.2 - 0.3											
0.3 - 0.4			4.7K	4.7	8.0	3.1					
0.4 - 0.5	9.51	0.3D									
0.5 - 0.6	0.01	0.005									
0.6 - 0.7	9.81	0.680									
0.7 - 0.8 0.8 - 0.9	9.8I 9.7I	0.92D 1.1D									
0.8 - 0.9	9.71	1.10	2.7K	6.8	1.9	8.5					
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density		rticle Siz		sis Clay
m	%	%	mg/kg	%	%	%	Mg/m3		9	6	•
0 - 0.1					0.06				51C	23 2	2 15
0.1 - 0.2					0.06						
0.2 - 0.3					0.04	4A					
0.3 - 0.4		0.044							33C	19 4	18
0.4 - 0.5		0.31A			0.02	2.4					
0.5 - 0.6 0.6 - 0.7		0.16A			0.02	ZA.					
0.0 - 0.7		0.16A 0.15A									
0.8 - 0.9		0.16A									
0.9 - 1		011071			0.01	1A			22C	14 3	3 27
Depth	COLE		Grav	vimetric/Vo	lumetric W	later Cont	onts		K sat	K uns	at
Dop	JULE	Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar		15 Bar	it out	it dile	,u.
m					g - m3/m3				mm/h	mm/	'h
0 - 0.1											
0.1 - 0.2											
0.2 - 0.3											
0.3 - 0.4											
0.4 - 0.5 0.5 - 0.6											
0.5 - 0.6											
0.7 - 0.8											
0.8 - 0.9											
0.9 - 1											

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## **Laboratory Analyses Completed for this profile**

15\_NR\_CAExch. basic cations (Ca++) - meq per 100g of soil - Not recorded15\_NR\_KExch. basic cations (K++) - meq per 100g of soil - Not recorded15\_NR\_MGExch. basic cations (Mg++) - meq per 100g of soil - Not recorded15\_NR\_NAExch. basic cations (Na++) - meq per 100g of soil - Not recorded3\_C\_BElectrical 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 - Minerology

P10\_NR\_C
P10\_NR\_C
Clay (%) - Not recorded
Coarse sand (%) - Not recorded
P10\_NR\_FS
P10\_NR\_Z
Silt (%) - Not recorded
Silt (%) - Not recorded
XRD\_C\_II
Illite - 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 XRD\_C\_Qz Quartz - X-Ray Diffraction