

Project Name: NST
Project Code: NST **Site ID:** P123 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	Approx. 50 chains west from Gnowangerup Road along east west 'shed' access track:
Date Desc.:	01/07/52	Elevation:	No Data
Map Ref.:	Sheet No. : 2529 1:100000	Rainfall:	380
Northing/Long.:	118.062777777778	Runoff:	Slow
Easting/Lat.:	-34.232777777778	Drainage:	Poorly drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Igneous rock (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Peneplain
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Poached, Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Natric Brown Kurosol	Principal Profile Form:	N/A
ASC Confidence:	Great Soil Group:	Solodic soil
Analytical data are incomplete but reasonable confidence.		

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments: 20-50%, , angular, Substrate material

Profile Morphology

A1	0 - 0.1 m	Greyish brown (10YR5/2-Moist); ; Sandy loam (Fibric); Single grain grade of structure; Dry; Loose consistence; Very few (0 - 2 %), Ferruginous, , ; Field pH 6.5 (pH meter); Clear, Irregular change to -
B1	0.1 - 0.2 m	Brown (7.5YR4/4-Moist); ; Light clay; Weak grade of structure, Granular; Dry; Very weak consistence; 10-20%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Diffuse change to -
B2	0.2 - 0.3 m	Brown (7.5YR5/4-Moist); , 5YR54; , N70; Heavy clay; Massive grade of structure; 2-10%, Gravel, coarse fragments; Diffuse, Smooth change to -
B3	0.3 - 0.94 m	(N7/0-Moist); , 10R46; , 10YR78; Heavy clay; Massive grade of structure; 0-2%, Gravel, coarse fragments;
	1.09 - 1.85 m	(N8/0-Moist); , 10R33; Heavy clay; Massive grade of structure;
C	1.85 - 2.23 m	(N8/0-Moist); , 5YR46; Heavy clay;

Morphological Notes

Observation Notes

109-223CM CLAY IS TALCY:

Site Notes

PLANTAGENET LD

Project Name: NST
Project Code: NST Site ID: P123 Observation ID: 1
Agency Name: CSIRO Division of Soils (WA)

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Comol (+)/kg				%
0 - 0.1	6.3A	2.13A	10.4K	11	0.95	4.07			26.4B	
0.1 - 0.2	4.6A	1.68A								
0.2 - 0.3	4.3A	1.19A	0.6K	3.7	0.66	3.76			8.7B	
0.3 - 0.94	4.1A	2A				2				
1.09 - 1.85	3.9A	2.66A	0.4K	3.2	0.7	10.7			15B	

[illegible][illegible]

Project Name: NST
Project Code: NST **Site ID:** P123 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

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
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour