

Project Name: NST
Project Code: NST **Site ID:** P132 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	10 chains north of a point 60 chains west from intersection of roads Nos 7134 and 5881:
Date Desc.:	25/07/52	Elevation:	No Data
Map Ref.:	Sheet No. : 2529 1:100000	Rainfall:	380
Northing/Long.:	118.055277777778	Runoff:	Rapid
Easting/Lat.:	-34.259722222222	Drainage:	Moderately well drained

Geology

ExposureType:	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:	Simple-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Moderately inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Mottled Magnesic Red Kurosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Analytical data are incomplete but reasonable confidence.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Shrub, , . *Species includes - None recorded
Tall Strata - Tree mallee, , . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.04 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 2-10%, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, , ; Field pH 6 (pH meter); ManyClear, Irregular change to -
B1	0.04 - 0.25 m	Reddish brown (2.5YR4/4-Moist); ; Sandy medium clay; Moderately moist; Weak consistence; 2-10%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Clear, Irregular change to -
B2	0.25 - 0.63 m	Reddish brown (2.5YR5/4-Moist); , 10YR68; , 5Y52; Sandy medium clay; Dry; Weak consistence; 10-20%, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, , ; Field pH 5.5 (pH meter); Clear, Smooth change to -
B3	0.63 - 1.37 m	Light brownish grey (10YR6/2-Moist); , 2.5YR54; Sandy medium clay; Dry; Strong consistence; 2-10%, Gravel, coarse fragments; Field pH 6.5 (pH meter);
C	1.37 - 2.01 m	Light brownish grey (10YR6/2-Moist); , 2.5YR54; Sandy medium clay; Dry; Strong consistence; 0-2%, Gravel, coarse fragments; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

PLANTAGENET LD

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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 - 0.04	5.6A	0.042A								
0.04 - 0.25	5.3A	0.074A	0.2K	2.5	0.06	0.21			3B	
0.25 - 0.63	5.3A	0.33A								
0.63 - 1.37	6.7A	1.35A								
1.37 - 2.01	6A	1.65A								

[illegible][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
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