Project Name: NST
Project Code: NST **Site ID:** P133 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By: E. Bettenay
Locality: 15 chains west of a point 50 chains north of intersection of roads No.s7134 and 5881 on Gnowangerup Road:
Date Desc.: 25/07/52
Elevation: No Data
Map Ref.: Sheet No. : 2529 1:100000
Rainfall: 380
Northing/Long.: 118.065277777778
Runoff: Rapid
Easting/Lat.: -34.2525
Drainage: Poorly 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: Upper-slope
Relief: No Data
Elem. Type: Plain
Slope Category: Level
Slope: 0 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Mottled-Subnatric Grey Sodosol
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Shrub, 0.26-0.5m, . *Species includes - None recorded

Tall Strata - Tree mallee, , . *Species includes - Eucalyptus tetrodonta

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moderately moist; Very weak consistence; Many (20 - 50 %), Ferruginous, , ; Field pH 6 (pH meter); Diffuse change to -
A2	0.15 - 0.3 m	Brownish yellow (10YR6/6-Moist); ; Sand; Single grain grade of structure; Moist; Weak consistence; Very many (50 - 100 %), Ferruginous, Medium (2 -6 mm), ; Field pH 6 (pH meter); Clear, Irregular change to -
B1	0.3 - 0.79 m	Brownish yellow (10YR6/8-Moist); , 10YR36; , 5Y52; Sandy medium clay; Massive grade of structure; Moderately moist; Weak consistence; Very few (0 - 2 %), Ferruginous, , ; Field pH 6 (pH meter); Diffuse change to -
B2	0.79 - 0.99 m	White (2.5Y8/0-Moist); , 10R34; , 10YR68; Sandy medium clay; Massive grade of structure; Moist; Weak consistence; 0-2%, Gravel, coarse fragments;

Morphological Notes

Observation Notes

AT 94CM HEAVY QUARTZ MATERIAL FOUND:

Site Notes

PLANTAGENET LD

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.15	5.6A	0.03A								
0.15 - 0.3	5.7A	0.018A								
0.3 - 0.79	6A	0.045A	0.5K	4.5	0.08	0.33			5.4B	
0.79 - 0.99	5.9A	0.292A								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15												
0.15 - 0.3												
0.3 - 0.79												
0.79 - 0.99												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.15									
0.15 - 0.3									
0.3 - 0.79									
0.79 - 0.99									

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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