

Project Name: NST
Project Code: NST **Site ID:** P135 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	40 chains west along track from a point 50 chains north of intersection of roads 7134 and 5881 on Gnowangerup Road:
Date Desc.:	30/07/52	Elevation:	No Data
Map Ref.:	Sheet No. : 2529 1:100000	Rainfall:	380
Northing/Long.:	118.059722222222	Runoff:	Moderately rapid
Easting/Lat.:	-34.2525	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:	Mid-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

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

Vegetation: Low Strata - Shrub, 0.51-1m, . *Species includes - None recorded
Tall Strata - Tree mallee, . , . *Species includes - Eucalyptus species

Surface Coarse Fragments: 10-20%, , , Quartz

Profile Morphology

A1	0 - 0.025 m	(N4/0-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Field pH 5.5 (pH meter); Clear, Irregular change to -
A2	0.025 - 0.05 m	Grey (10YR6/1-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; 10-20%, Quartz, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -
B1	0.05 - 0.19 m	Light brownish grey (10YR6/2-Moist); , 10YR61; , 10YR63; Sandy medium clay; Massive grade of structure, Columnar; Moderately moist; Weak consistence; 2-10%, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, , ; Field pH 5.5 (pH meter); Diffuse, Irregular change to -
B2	0.19 - 0.48 m	Light grey (10YR7/1-Moist); , 2.5YR48; Sandy medium clay; Moderately moist; Weak consistence; 2-10%, Quartz, coarse fragments; Diffuse change to -
B3	0.48 - 0.63 m	Light grey (10YR7/1-Moist); , 2.5YR64; Sandy medium clay; Moderately moist; Weak consistence; 2-10%, Quartz, coarse fragments; Diffuse, Irregular change to -
C	0.71 - 0.96 m	Light grey (10YR7/1-Moist); , 2.5YR54; Heavy clay; Smooth-ped fabric; 20-50%, Gravel, coarse fragments; Field pH 5.5 (pH meter);

Morphological Notes

Observation Notes

71-96CM COARSE FRACTION - SOFT WHITE FINE GRAINED W'D ACID ROCK WITH TALC LIKE FEEL:

Site Notes

PLANTAGENET LD

Observation ID: 1

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m		g/g - m3/m3						mm/h	mm/h
0 - 0.025									
0.025 - 0.05									
0.05 - 0.19									
0.19 - 0.48									
0.48 - 0.63									
0.71 - 0.96									

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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