

Project Name: NST
Project Code: NST **Site ID:** P131 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	T.R. Poutsma	Locality:	75 chains south wesr along road 7134 from road corner near (west of) location 4572:
Date Desc.:	25/07/52	Elevation:	No Data
Map Ref.:	Sheet No. : 2529 1:100000	Rainfall:	380
Northing/Long.:	118.125277777778	Runoff:	Rapid
Easting/Lat.:	-34.227777777778	Drainage:	Imperfectly 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:	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:	Eutrophic Mottled-Subnatric Brown Sodosol	Mapping Unit:	N/A
ASC Confidence:	Analytical data are incomplete but reasonable confidence.	Principal Profile Form:	N/A
		Great Soil Group:	Solodized solonetz

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

Vegetation: Low Strata - Shrub, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - , 1.01-3m, Sparse. *Species includes - None recorded
Tall Strata - Tree mallee, , . *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.02 m	Dark grey (10YR4/1-Moist); ; Loamy sand; Single grain grade of structure; Moist; Very weak consistence; Field pH 5 (pH meter); Clear, Irregular change to -
A2	0.02 - 0.13 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Diffuse, Irregular change to -
A3	0.13 - 0.23 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -
B1	0.23 - 0.33 m	Greenish grey (5G5/1-Moist); , 10YR66; Sandy medium clay; Moist; Weak consistence; Field pH 6 (pH meter); Diffuse change to -
B2	0.33 - 0.48 m	Olive (5Y5/3-Moist); , 5Y66; Sandy medium clay; Moderately moist; Weak consistence; Field pH 7 (pH meter); Diffuse, Irregular change to -
B3	0.48 - 0.66 m	Olive (5Y5/3-Moist); , 5Y66; Fine sandy medium clay; Moderately moist; Weak consistence; Common (10 - 20 %), Gypseous, , Concretions;

Morphological Notes

Observation Notes

48-66CM HARD LARGE LIME CONCRETIONS MERGING INTO MASSIVE LIMESTONE:

Site Notes

PLANTAGENET LD

Laboratory Test Results:

0 - 0.02
0.02 - 0.13
0.13 - 0.23
0.23 - 0.33
0.33 - 0.48
0.48 - 0.66

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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