Project Name: NST
Project Code: NST   **Site ID:** P124   **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	**Locality:**	6.4KM and 30 chains west from Gnowangerup Road along east west `shed'access track:
Date Desc.:	02/07/52	**Elevation:**	No Data
Map Ref.:	Sheet No. : 2429 1:100000	**Rainfall:**	380
Northing/Long.:	117.993055555556	**Runoff:**	Slow
Easting/Lat.:	-34.2347222222222	**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:	Simple-slope	**Relief:**	No Data
Elem. Type:	Drainage depression	**Slope Category:**	Very gently sloped
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Site Disturbance:

Vegetation: Low Strata - Shrub, 0.51-1m, . *Species includes - None recorded

Tall Strata - Tree mallee, , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, , subrounded tabular, Limestone

Profile Morphology

A   0 - 0.05 m   Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Moist; Loose consistence; 0-2%, Gravel, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -

B1   0.05 - 0.25 m   Light greenish grey (5G7/1-Moist); ; Sandy medium clay; 100-200 mm, Columnar; Fine, (0 - 5) mm crack; Moist; Moderately plastic; Normal plasticity; 0-2%, Gravel, coarse fragments; Field pH 7.5 (pH meter); Diffuse change to -

B2   0.25 - 0.74 m   Light olive grey (5Y6/2-Moist); ; Sandy medium clay (Light); Massive grade of structure; Dry; Very strong consistence; Few (2 - 10 %), Gypseous, Coarse (6 - 20 mm), Soft segregations; Field pH 8 (pH meter);

B2   0.74 - 1.04 m   Light olive grey (5Y6/2-Moist); ; Sandy medium clay (Light); Massive grade of structure; Dry; Very strong consistence; Very few (0 - 2 %), Gypseous, Coarse (6 - 20 mm), Soft segregations;

B3   1.04 - 1.5 m   Light olive grey (5Y6/2-Moist); , 10YR68; Sandy medium clay; Massive grade of structure; Dry; Very strong consistence; 0-2%, Gravel, coarse fragments;

B   1.5 - 1.78 m   Light grey (5Y7/1-Moist); , 10YR56; , 2.5YR36; Sandy medium clay; Massive grade of structure; Dry; Rigid consistence;

Morphological Notes

Observation Notes

LIME CONCRETIONS AT SURFACE:

Site Notes

PLANTAGENET LD

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable | | CEC | ECEC | ESP |
| | | | Ca | Mg | K | Na | Acidity | | | |
m		dS/m				Cmol (+)/kg				%
0 - 0.05	6.9A	0.06A	2K	1.2	0.22				3.8B	
					0.39					
0.05 - 0.25	7A	0.375A	3.9K	6.9	0.86				16.5B	
					4.83					
0.25 - 0.74	9.2A	1.45A								
0.74 - 1.04	7.9A	1.28A								
1.04 - 1.5	5.3A	1.45A	1.6K	4.3	1.03				13B	
					6.08					

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle | Size | Analysis | | |
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV | CS | FS | Silt | Clay |
										%		
0 - 0.05												
0.05 - 0.25												
0.25 - 0.74												
0.74 - 1.04												
1.04 - 1.5												

| Depth | COLE | | Gravimetric/Volumetric Water Contents | | | | | | K sat | K unsat |
| m | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | mm/h | mm/h |
					g/g - m3/m3					
0 - 0.05										
0.05 - 0.25										
0.25 - 0.74										
0.74 - 1.04										
1.04 - 1.5										

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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
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