

**Project Name:** NST  
**Project Code:** NST **Site ID:** P126 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

**Desc. By:** T.R. Poutsma **Locality:** 3 chains south from a point 2.2KM west along north boundary (8.1KM N of intersecting Rds 5881 & 7134) from Gnowangerup Rd  
**Date Desc.:** 22/07/52 **Elevation:** No Data  
**Map Ref.:** Sheet No. : 2529 1:100000 **Rainfall:** 380  
**Northing/Long.:** 118.044444444444 **Runoff:** Moderately rapid  
**Easting/Lat.:** -34.188888888889 **Drainage:** Poorly drained

**Geology**

**Exposure Type:** Soil pit **Conf. Sub. is Parent. Mat.:** No Data  
**Geol. Ref.:** No Data **Substrate Material:** Sandstone

**Land Form**

**Rel/Slope Class:** Gently undulating plains <9m 1-3% **Pattern Type:** Peneplain  
**Morph. Type:** Mid-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:** Haplic Natric Grey Kurosol **Mapping Unit:** N/A  
**ASC Confidence:** No analytical data are available but confidence is fair. **Principal Profile Form:** N/A  
**Great Soil Group:** Solodized solonetz

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:** Low Strata - Shrub, <0.25m, Sparse. \*Species includes - None recorded  
Tall Strata - Tree mallee, . . \*Species includes - Eucalyptus species

**Surface Coarse Fragments:** 0-2%, , , Sandstone

**Profile Morphology**

A1 0 - 0.013 m ; Sand; Single grain grade of structure; Moist; Loose consistence; 10-20%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Clear, Irregular change to -  
A2 0.013 - 0.05 m ; Sand; Single grain grade of structure; Moist; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Diffuse, Smooth change to -  
A3 0.05 - 0.08 m ; Sand; Single grain grade of structure; Moist; Very weak consistence; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Clear, Irregular change to -  
B 0.08 - 0.28 m ; Heavy clay; Weak grade of structure, Angular blocky; Moist; Very firm consistence; Field pH 6 (pH meter); Clear, Wavy change to -

**Morphological Notes**

**Observation Notes**

6MM THIN BLEACHED S LAYER AT SURFACE:->28CM MASSIVE FINE GRAINED SANDSTONE (SPONGOLITE):

**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 - 0.013	5.6A	0.214A								
0.013 - 0.05	4.8A	0.375A								
0.05 - 0.08	5.6A	0.533A								
0.08 - 0.28	5.3A	1.45A	3.1K	7.5	1.62	8.03			20.3B	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.013												
0.013 - 0.05												
0.05 - 0.08												
0.08 - 0.28												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	15 Bar	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar		mm/h	mm/h
			g/g - m3/m3			
0 - 0.013						
0.013 - 0.05						
0.05 - 0.08						
0.08 - 0.28						

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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