

**Project Name:** NST  
**Project Code:** NST      **Site ID:** P127      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	T.R. Poutsma	<b>Locality:</b>	4 chains south from access 'shed' track along along Gnowangerup Road:
<b>Date Desc.:</b>	22/07/52	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 2529 1:100000	<b>Rainfall:</b>	380
<b>Northing/Long.:</b>	118.069166666667	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	-34.2288888888889	<b>Drainage:</b>	Poorly drained

**Geology**

<b>Exposure Type:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Igneous rock (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Peneplain
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Poached

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Natric Grey Kurosol	<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodized solonetz
Analytical data are incomplete but reasonable confidence.		

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

**Vegetation:**

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, , Quartz

**Profile Morphology**

A	0 - 0.05 m	Dark grey (10YR4/1-Moist); ; Sand; Single grain grade of structure; Moist; Very weak consistence; 2-10%, Quartz, coarse fragments; Field pH 6 (pH meter); Clear, Irregular change to -
B1	0.05 - 0.25 m	Light reddish brown (2.5YR6/4-Moist); ; Sandy medium clay (Light); Massive grade of structure; Moist; Weak consistence; Slightly plastic; Normal plasticity; 0-2%, Gravel, coarse fragments; Field pH 6 (pH meter); Diffuse, Irregular change to -
B2	0.25 - 0.69 m	(N7/0-Moist); , 10R58; Sandy medium clay; Massive grade of structure; Moist; Moderately plastic; Normal plasticity; 0-2%, Gravel, coarse fragments; Field pH 5.5 (pH meter); Diffuse change to -
B	0.69 - 1.02 m	(N7/0-Moist); , 10R66; Sandy medium clay; Massive grade of structure; Moist; Weak consistence; 0-2%, Gravel, coarse fragments; Field pH 5 (pH meter);
C	1.02 - 1.78 m	(N7/0-Moist); , 10R63; 0-2%, Gravel, coarse fragments;
	1.78 - 2.11 m	(N8/0-Moist); , 10YR62; , 10R58; 2-10%, Gravel, coarse fragments;

**Morphological Notes**

**Observation Notes**

102-178CM W'D ROCK INCREASING:178-211CM VERY W'D COARSE GRAINED ROCK EMBEDDED:RED MOTTLE = SESQUIOXIDES:

**Site Notes**

PLANTAGENET LD

**Laboratory Test Results:**

[illegible]

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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