NST **Project Name:**

Project Code: P136 Observation ID: 1 NST Site ID:

Agency Name: CSIRO Division of Soils (WA)

Site Information

65 chains west from a point 50 chains north from Desc. By: E. Bettenay Locality:

intersection of roads5881 and 7134 on Gnowangerup

Date Desc.: 30/07/52 Elevation: No Data Sheet No.: 2529 1:100000 Map Ref.: Rainfall: 380

Northing/Long.: 118.05444444445 Runoff: Moderately rapid -34.2525 Drainage: Poorly drained Easting/Lat.:

Geology

ExposureType: Soil pit Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: **Substrate Material:** Soil pit, 0.33 m deep, Igneous rock No Data

(unidentified)

Land Form

Rel/Slope Class: Gently undulating plains <9m Pattern Type: Peneplain

1-3%

Morph. Type: Upper-slope Relief: No Data Gently inclined **Slope Category:** Elem. Type: Plain Slope: 0 % Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A Mottled Mesotrophic Red Kurosol **Principal Profile Form:** N/A **ASC Confidence: Great Soil Group:** N/A

No analytical data are available but confidence is fair.

Site Disturbance: Cultivation. Rainfed

Vegetation:

Surface Coarse Fragments: 2-10%, , , Quartz

Profile Morphology

A1 0 - 0.013 m

Greyish brown (10YR5/2-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

В1 0.013 - 0.2 m Red (2.5YR5/6-Moist); ; Heavy clay; Massive grade of structure; Moist; Moderately plastic;

Normal plasticity; 2-10%, Gravel, coarse fragments; Field pH 5 (pH meter); Diffuse, Irregular

change to -

В 0.2 - 0.33 m Red (2.5YR5/6-Moist); , 2.5YR36; , 10YR52; Heavy clay; Massive grade of structure; Moist; Weak

consistence; 2-10%, Gravel, coarse fragments; Clear change to -

Morphological Notes

Observation Notes

QZ FLOATERS AT SURFACE:20-33CM CLAY WITH COARSE GRAINED W'D IGNEOUS ROCK FRAGMENTS:

Site Notes

PLANTAGENET LD

Project Name: NST
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Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	E: Na	xchangeable Acidity	CEC	E	CEC	ESP
m		dS/m		.9		Cmol (+)/					%
0 - 0.013 0.013 - 0.2	6.3A 5.6A	0.086A 0.11A									
0.2 - 0.33	5.2A	0.244A									
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV		ize FS	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	•		%	One Olay
0 - 0.013											
0.013 - 0.2 0.2 - 0.33											
Depth	COLE	_	Gravimetric/Volumetric Water Contents						K sat		K unsat
m		Sat. ().05 Bar	0.1 Bar g/s	0.5 Bar g - m3/m3	1 Bar 3	5 Bar 15	Bar	mm/h		mm/h

0 - 0.013 0.013 - 0.2 0.2 - 0.33

Project Name: Project Code: Agency Name: NST

P136 Observation ID: 1 NST Site ID:

CSIRO Division of Soils (WA)

Laboratory Analyses Completed for this profile

EC of 1:5 soil/water extract pH of 1:5 soil/water suspension Chloride - 1:5 soil/water extract, automated colour 3A1 4A1

5A2