

**Project Name:** PIN  
**Project Code:** PIN **Site ID:** P234 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	E. Bettenay	<b>Locality:</b>	Junction of roads 8842 and 4264 at Location 197:
<b>Date Desc.:</b>	06/04/55	<b>Elevation:</b>	6 metres
<b>Map Ref.:</b>	Sheet No. : 2032 1:100000	<b>Rainfall:</b>	940
<b>Northing/Long.:</b>	115.829722222222	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-32.635277777778	<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>	Auger boring, 1.3 m deep, Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Eutrophic Dermosolic Redoxic Hydrosol		<b>Principal Profile Form:</b>	N/A
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Brown clay
Analytical data are incomplete but reasonable confidence.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**

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

**Surface Coarse Fragments:**

**Profile Morphology**

0 - 0.025 m	Light brownish grey (10YR6/2-Moist); ; Clay loam; Very weak consistence; Clear, Smooth change to -
0.025 - 0.2 m	Grey (10YR6/1-Moist); , 5YR44; Sandy medium clay; Massive grade of structure; Very firm consistence; Moderately plastic; Normal plasticity; Field pH 6 (pH meter); Diffuse change to -
0.2 - 0.48 m	Grey (10YR6/1-Moist); , 5YR44; Sandy medium clay; Massive grade of structure; Very firm consistence; Moderately plastic; Normal plasticity; Field pH 6 (pH meter); Clear, Irregular change to -
0.48 - 0.56 m	Olive yellow (2.5Y6/6-Moist); , N60; Medium clay; 20-50 mm, Angular blocky; Moderately plastic; Normal plasticity; Field pH 7 (pH meter); Clear, Irregular change to -
0.56 - 0.66 m	Olive yellow (2.5Y6/6-Moist); ; Medium clay; 20-50 mm, Angular blocky; Moderately plastic; Normal plasticity; Very many (50 - 100 %), Gypseous, , Nodules; Field pH 8.5 (pH meter); Clear, Smooth change to -
0.66 - 1.02 m	Olive yellow (2.5Y6/8-Moist); ; Medium clay; 20-50 mm, Angular blocky; Moderately plastic; Normal plasticity; Many (20 - 50 %), Gypseous, , Nodules;
1.02 - 1.29 m	Brown (10YR5/3-Moist); , 5Y62; Medium clay; 20-50 mm, Angular blocky; Moderately plastic; Normal plasticity; 20-50%, Limestone, coarse fragments;

**Morphological Notes**

**Observation Notes**

>159CM ON LIMESTONE:

**Site Notes**

MURRAY L.D.

Project Name: PIN  
Project Code: PIN Site ID: P234 Observation ID: 1  
Agency Name: CSIRO Division of Soils (WA)

**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
							(+)/kg		
0 - 0.025	6.1H	0.259A	6.2K	2.6	0.37	8.2			
0.025 - 0.2	6.3H	0.039A	3.1K	2	0.16	6.4			
0.2 - 0.48	6.9H	0.042A							
0.48 - 0.56	7.8H	0.077A							
0.56 - 0.66	9.1H	0.259A	6.6K	9.2	0.32				
0.66 - 1.02	9.2H	0.53A							
1.02 - 1.29	9H	1.03A							

[illegible][illegible]

**Project Name:** PIN  
**Project Code:** PIN **Site ID:** P234 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**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
17A_NR	Total element - K(%) - Not recorded
19B_NR	Calcium Carbonate (CaCO <sub>3</sub> ) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4_NR	pH of soil - Not recorded
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded