

**Project Name:** FRA  
**Project Code:** FRA      **Site ID:** P266      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	L.W. Pym	<b>Locality:</b>	L.D. Sheet 444/80 - Lot 1058:34 chains south of a point - 24 chains east along nth boundary from N.W. corner:
<b>Date Desc.:</b>	27/11/55	<b>Elevation:</b>	262 metres
<b>Map Ref.:</b>	Sheet No. : 2329 1:100000	<b>Rainfall:</b>	0
<b>Northing/Long.:</b>	117.130277777778	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-34.319166666667	<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>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Penneplain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<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>	Mottled Eutrophic Brown Chromosol	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	All necessary analytical data are available.	<b>Principal Profile Form:</b>	N/A
		<b>Great Soil Group:</b>	Lateritic podzolic soil

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:**

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

**Surface Coarse Fragments:** 50-90%, , , Substrate material

**Profile Morphology**

A1	0 - 0.04 m	Very dark grey (10YR3/1-Moist); , 10YR56; Sand (Fibric); Weak grade of structure; FragmentDry; Loose consistence; 50-90%, Substrate material, coarse fragments; Field pH 6 (pH meter); Clear, Smooth change to -
A2	0.04 - 0.38 m	Brownish yellow (10YR6/6-Moist); ; Sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, Substrate material, coarse fragments; Field pH 6 (pH meter); Clear, Smooth change to -
B1	0.38 - 0.56 m	Strong brown (7.5YR5/8-Moist); ; Medium clay; Massive grade of structure; Dry; Strong consistence; Moderately plastic; Normal plasticity; 50-90%, subangular, Substrate material, coarse fragments; Field pH 6.5 (pH meter); Clear, Smooth change to -
B2	0.56 - 0.74 m	Brown (10YR5/3-Moist); , 10YR56; , 2.5YR48; Medium clay; Massive grade of structure; Dry; Strong consistence; Moderately plastic; Normal plasticity; 2-10%, Substrate material, coarse fragments; Field pH 7 (pH meter);
C1	1.09 - 1.22 m	Yellowish brown (10YR5/6-Moist); , 5Y52; Medium clay; Moderately plastic; Normal plasticity; 2-10%, Substrate material, coarse fragments;

**Morphological Notes**

**Observation Notes**

0-122CM AL GV IS FERRUGINISED:

**Site Notes**

HAY

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.04	6.3A	0.098C	7.2K	1.8	0.32	0.21	8.4E	11.9B	
0.04 - 0.38	6.2A	0.024C		4.7					
0.38 - 0.56	6.1A	0.051C	0.9K		0.16	0.5	8.1E	14.4B	
0.56 - 0.74	5.8A	0.083C							
1.09 - 1.22	4.6A	0.884C							

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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
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7_NR	Total nitrogen (%) - Not recorded
9A_HCL	Total element - P(%) - By boiling HCl
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance