

Project Name: FRA
Project Code: FRA **Site ID:** P268 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	L.W. Pym	Locality:	L.D. Sheet 444/80 - Lot 1058:33 chains east from a point - 20 chains north along rd from S.E. corner of lot 1057:
Date Desc.:	28/11/55	Elevation:	262 metres
Map Ref.:	Sheet No. : 2329 1:100000	Rainfall:	0
Northing/Long.:	117.128055555556	Runoff:	Very slow
Easting/Lat.:	-34.318055555556	Drainage:	Very poorly drained

Geology

Exposure Type:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Peneplain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Fill-top	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Mottled-Hypernatric Brown Sodosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Solodized solonetz
All necessary analytical data are available.			

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

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.06 m	(N3/0-Moist); , N60; Sand (Fibric); Weak grade of structure; FragmentDry; Loose consistence; Field pH 6 (pH meter); ManyClear, Smooth change to -
A2	0.06 - 0.19 m	Light grey (10YR7/1-Moist); ; Fine sand; Single grain grade of structure; Dry; Loose consistence; Field pH 6 (pH meter); Clear, Irregular change to -
B1	0.19 - 0.36 m	Dark greyish brown (10YR4/2-Moist); , 2.5Y44; Sandy medium clay; , Columnar; Moderately plastic; Normal plasticity; Field pH 8 (pH meter); Diffuse, Smooth change to -
B2	0.51 - 0.76 m	Brown (10YR5/3-Moist); , 10YR66; Sandy medium clay; 20-50 mm, Subangular blocky; Moderately plastic; Normal plasticity; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

AT 102CM ORTSTEIN APPEARS AS DISCRETE CONCRETIONS:

Site Notes

HAY

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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 - 0.06	6.3A	0.045A	2.2K	1.9	0.2	0.3	5.2E		9.8B	
0.06 - 0.19	6.3A	0.012A				2				
0.19 - 0.36	7.4A	0.09A	1.7K	8.7	0.04	3.5			13.9B	
0.51 - 0.76	8.8A	1.37A	1.9K	11.8	0.04	8.8			22.5B	

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.06		1.98D		0.002D	0.101B				66D	25	<1	4
0.06 - 0.19												
0.19 - 0.36				0.001D					54D	28	0	14
0.51 - 0.76									42D	32	0	24

[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
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
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
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