

Project Name: FOR
Project Code: FOR **Site ID:** P642 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	Locality:	248KM peg - Mt Newman Railway: recent borrow pit on west side of line:
Date Desc.:	26/04/70	Elevation:	No Data
Map Ref.:	Sheet No. : 2753 1:100000	Rainfall:	330
Northing/Long.:	119.016666666667	Runoff:	Slow
Easting/Lat.:	-22.316666666667	Drainage:	Moderately well drained

Geology

Exposure Type:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qc	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial fan
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Backplain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Vertic Hypocalcic Red Dermosol		Principal Profile Form:	Uf6.71
ASC Confidence:	No analytical data and little or no knowledge of this soil.	Great Soil Group:	Red clay

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

Vegetation: Low Strata - Chenopod shrub, , . *Species includes - None recorded
Mid Strata - Chenopod shrub, , . *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - Acacia species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Dark red (10R3/6-Moist); Red (10R4/6-Dry); ; Light clay; , Columnar; Earthy fabric; Dry; Firm consistence; 2-10%, Gravel, coarse fragments; Field pH 7 (pH meter); Gradual change to -
	0.05 - 0.1 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Light clay; Earthy fabric; Firm consistence; 2-10%, Gravel, coarse fragments; Gradual change to -
	0.1 - 0.2 m	Red (10R4/6-Moist); Red (10R4/6-Dry); ; Medium clay; Earthy fabric; Firm consistence; 2-10%, Gravel, coarse fragments; Field pH 6.5 (pH meter); Gradual change to -
	0.2 - 0.3 m	Dark red (10R3/6-Moist); Red (10R4/6-Dry); ; Medium clay; Earthy fabric; Firm consistence; 2-10%, Gravel, coarse fragments; Field pH 7 (pH meter); Gradual change to -
	0.3 - 0.4 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Earthy fabric; Firm consistence; 2-10%, Gravel, coarse fragments; Gradual change to -
	0.4 - 0.5 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Earthy fabric; Firm consistence; 2-10%, Gravel, coarse fragments; Field pH 7 (pH meter); Gradual change to -
	0.5 - 0.6 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Firm consistence; Gradual change to -
	0.6 - 0.7 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Weak consistence; Gradual change to -
	0.7 - 0.8 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Weak consistence; Field pH 7 (pH meter); Gradual change to -
	0.8 - 0.9 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; Weak grade of structure, 20-50 mm, Lenticular; Gradual change to -
	0.9 - 1 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Medium clay; , Lenticular; Field pH 8.5 (pH meter);

Morphological Notes

Project Name: FOR
Project Code: FOR **Site ID:** P642 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

60-80CM FEW SHINY FACES: AT 115CM PROFILE GRADES TO A BAND OF RUBBLY CALCIUM CARBONATE + EARTHY MATRIX:

Site Notes

Observation Notes

Project Name: FOR

Project Code: FOR

Agency Name: CSIRO Division of Soils (WA)

Site ID: P642

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		
						Cmol (+)/kg			%

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			%		

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

Project Name: FOR
Project Code: FOR Site ID: P642 Observation ID: 1
Agency Name: CSIRO Division of Soils (WA)

Laboratory Analyses Completed for this profile