Project Name: FOR
Project Code: FOR **Site ID:** P641 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	E. Bettenay	**Locality:**	285KM peg - Mt. Newman Railway: recent borrow pit on south side of line:
Date Desc.:	26/07/70	**Elevation:**	No Data
Map Ref.:	Sheet No. : 2752 1:100000	**Rainfall:**	330
Northing/Long.:	119.233333333333	**Runoff:**	Slow
Easting/Lat.:	-22.5666666666667	**Drainage:**	Well drained

Geology

ExposureType:	Undisturbed soil core	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	Qa	**Substrate Material:**	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Alluvial plain
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:
Haplic Mesotrophic Red Kandosol
ASC Confidence:
No analytical data and little or no knowledge of this soil.

Mapping Unit: N/A
Principal Profile Form: Gn2.12
Great Soil Group: Red earth

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

Vegetation:

Mid Strata - , , Sparse. *Species includes - None recorded
Tall Strata - Tree, , . *Species includes - Acacia species, Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.05 m	Reddish brown (2.5YR4/4-Moist); Reddish brown (2.5YR5/4-Dry); ; Sandy clay loam; Single grain grade of structure; Dry; Weak consistence; Gradual change to -
	0.05 - 0.1 m	Reddish brown (2.5YR4/4-Moist); Reddish brown (2.5YR4/4-Dry); ; Sandy clay loam; Earthy fabric; Weak consistence; Gradual change to -
	0.1 - 0.2 m	Dark reddish brown (2.5YR3/4-Moist); Reddish brown (2.5YR4/4-Dry); ; Sandy clay loam; Earthy fabric; Weak consistence; Gradual change to -
	0.2 - 0.3 m	Weak red (10R4/3-Moist); Weak red (10R4/4-Dry); ; Sandy clay loam (Heavy); Earthy fabric; Weak consistence; Gradual change to -
B	0.3 - 0.4 m	Weak red (10R4/3-Moist); Weak red (10R4/4-Dry); ; Sandy light clay; Earthy fabric; Dry; Firm consistence; Gradual change to -
	0.4 - 0.5 m	Dusky red (10R3/4-Moist); Dusky red (10R3/4-Dry); ; Sandy light clay; Earthy fabric; Firm consistence; Gradual change to -
	0.5 - 0.6 m	Dusky red (10R3/4-Moist); Dusky red (10R3/4-Dry); ; Sandy light clay; Earthy fabric; Firm consistence; Gradual change to -
	0.6 - 0.7 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Sandy light clay; Earthy fabric; Firm consistence; Gradual change to -
	0.7 - 0.8 m	Dark red (10R3/6-Moist); Dark red (10R3/6-Dry); ; Sandy light clay; Earthy fabric; Firm consistence; Gradual change to -
	0.8 - 0.9 m	Dusky red (10R3/4-Moist); Dark red (10R3/6-Dry); ; Coarse sandy medium clay; Earthy fabric; Firm consistence; Gradual change to -
	0.9 - 1 m	Dusky red (10R3/4-Moist); Dark red (10R3/6-Dry); ; Coarse sandy medium clay; Earthy fabric; Firm consistence; Gradual change to -

Morphological Notes

Observation Notes

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SHARP CHANGE AT 70-150CM TO COBBLE BED WITH BOTH PLATY AND ANGULAR CHERTS AND SHALES (<13CM WIDTH):

Site Notes

MT NEWMAN

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Laboratory Test Results:

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

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	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

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Laboratory Analyses Completed for this profile