

Project Name: W.A. Hardpan Soils
Project Code: HP1 **Site ID:** A196 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (WA)

Site Information

Desc. By:	C.G. Stephens	Locality:	
Date Desc.:	18/07/55	Elevation:	No Data
Map Ref.:		Rainfall:	0
Northing/Long.:	118.100277777778	Runoff:	Very slow
Easting/Lat.:	-27.109166666667	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Plateau
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Very gently sloped
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Duric Red Kandosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Red and brown hardpan soil
No analytical data are available but confidence is fair.			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

B	0.15 - 0.23 m	; Red-brown hardpan, Strongly cemented, Massive; Diffuse change to -
B	0.23 - 0.61 m	; Red-brown hardpan, Strongly cemented, Massive;
C	0.76 - 1.07 m	;

Morphological Notes

Observation Notes

OF THE CREEK
SAMPLES TAKEN FROM ERODED
CREEK BANK WHICH HAS BEEN CUT DOWN TO THE HARDPAN ON THE SURFACE & TO THE C HORIZON IN THE BE

Site Notes

MEEKATHARA

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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				%
0.15 - 0.23	8.7H	0.014C								
0.23 - 0.61	7.8H	0.011C								
0.76 - 1.07	7.8H	0.007C								

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			%		
0.15 - 0.23									35C	43	12	9
0.23 - 0.61									36C	31	17	15
0.76 - 1.07									39C	28	13	17

[illegible]

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Laboratory Analyses Completed for this profile

2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A_TSS	Electrical conductivity or soluble salts - Total soluble salts %
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded
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