

Project Name: Harvey-Capel land resources survey
Project Code: WCC **Site ID:** 0284 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Bev Kipling **Locality:**
Date Desc.: 16/03/89 **Elevation:** 4 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6365876 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 382204 Datum: AGD84 **Drainage:** Poorly drained

Geology

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

Landform

Rel/Slope Class: No Data **Pattern Type:** Alluvial plain
Morph. Type: No Data **Relief:** No Data
Elem. Type: Plain **Slope Category:** No Data
Slope: 0 % **Aspect:** No Data

Surface Soil Condition Firm

Erosion

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 N/A **Principal Profile Form:** Dy5.51
ASC Confidence: **Great Soil Group:** No suitable group
 Confidence level not specified

Site Disturbance Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.1 m Very dark brown (10YR2/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Loose
 consistence; Water repellent; Field pH 5.5 (pH meter); Clear change to -
 B2 0.1 - 0.75 m Yellowish brown (10YR5/6-Moist); ; 2-10% , 5-15mm, Faint; Clay loam; Weak grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 6 (pH meter); Clear change to -
 2B2 0.75 - 1.1 m Greyish brown (10YR5/2-Moist); ; 20-50% , 30-mm, Prominent; ; 0-2% , 0-5mm, Faint; Massive grade of structure; Earthy fabric; Moderately moist; Firm consistence; Field pH 6.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

The topography in this area consists of the heavy black cracking clays (P5) in the slight swales and these B/P lighter coloured photo patterns located on ever so slight rises.

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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 - 0.1	4.3B	46B	6.15H	2.77	0.38	0.54	0.65J		9.84D	
	4.7H	39B								
0 - 0.1	4.3B	46B	6.15H	2.77	0.38	0.54	0.65J		9.84D	
	4.7H	39B								
0.1 - 0.75	5.4B	12B	2.58H	5.53	0.06	0.75	<0.02J		8.92D	
	5.8H									
0.1 - 0.75	5.4B	12B	2.58H	5.53	0.06	0.75	<0.02J		8.92D	

	5.8H								
0.75 - 1.1	4.4B	19B	1.06H	5.77	0.06	1.71	0.99J		8.6D
	5.4H								
0.75 - 1.1	4.4B	19B	1.06H	5.77	0.06	1.71	0.99J		8.6D
	5.4H								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.1		10.76D		460B	0.822E				8
6.1									
0 - 0.1		10.76D		460B	0.822E				8
6.1									
0.1 - 0.75		0.23D		58B	0.041E				6.1
37.1									
0.1 - 0.75		0.23D		58B	0.041E				6.1
37.1									
0.75 - 1.1		0.16D		26B	0.025E				5.6
33.9									
0.75 - 1.1		0.16D		26B	0.025E				5.6
33.9									

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
5_NR	Water soluble Chloride - Cl(%) - Not recorded
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated

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P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)