Project Name: **Harvey-Capel land resources survey**
Project Code: **WCC** **Site ID:** **0464** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Bev Kipling
Date Desc.: 31/05/90
Map Ref.:
Northing/Long.: 6341444 AMG zone: 50
Easting/Lat.: 397939 Datum: AGD84
Locality:
Elevation: 62 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well drained

Geology

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

Landform

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 4 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Firm

Erosion

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy5.62
Great Soil Group: N/A

Site Disturbance

Limited clearing, for example selective logging

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.15 m Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7.5 (pH meter); Clear change to -

A21 0.15 - 0.4 m Yellowish red (5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Loose consistence; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (pH meter); Gradual change to -

A22 0.4 - 1.2 m Yellowish brown (10YR5/6-Moist); ; Fine sandy loam; Dry; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (pH meter); Clear change to -

B2 1.2 - 1.56 m Yellowish brown (10YR5/8-Moist); ; Sandy clay loam; Dry; 20-50%, medium gravelly, 6-20mm, angular, Gravel, coarse fragments; 10-20%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Gravels in the profile look like rouned fe balls.

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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				%
0 - 0.15	5.7B	9B	1.82H	1.41	0.25	0.17	0.02J		3.65D	

	6.4H									
0 - 0.15	5.7B	9B	1.82H	1.41	0.25	0.17	0.02J			3.65D
	6.4H									
0 - 0.15	5.7B	9B	1.82H	1.41	0.25	0.17	0.02J			3.65D
	6.4H									
0.15 - 0.4	5.7B	4B	1.44A	1.2	0.33	0.16				3.13D
	6.6H									
0.15 - 0.4	5.7B	4B	1.44A	1.2	0.33	0.16				3.13D
	6.6H									
0.15 - 0.4	5.7B	4B	1.44A	1.2	0.33	0.16				3.13D
	6.6H									
0.4 - 1.2	5.4B	5B	1.75H	1.38	0.26	0.17	0.02J			3.56D
	6.2H									
0.4 - 1.2	5.4B	5B	1.75H	1.38	0.26	0.17	0.02J			3.56D
	6.2H									
0.4 - 1.2	5.4B	5B	1.75H	1.38	0.26	0.17	0.02J			3.56D
	6.2H									
1.2 - 1.56	5.8B	4B	0.79H	1.06	0.16	0.13	<0.02J			2.14D
	6.2H									
1.2 - 1.56	5.8B	4B	0.79H	1.06	0.16	0.13	<0.02J			2.14D
	6.2H									
1.2 - 1.56	5.8B	4B	0.79H	1.06	0.16	0.13	<0.02J			2.14D
	6.2H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.15		2.65D		110B	0.085E						6.8	10.8
0 - 0.15		2.65D		110B	0.085E						6.8	10.8
0 - 0.15		2.65D		110B	0.085E						6.8	10.8
0.15 - 0.4		0.66D		85B	0.029E						4	13.4
0.15 - 0.4		0.66D		85B	0.029E						4	13.4
0.15 - 0.4		0.66D		85B	0.029E						4	13.4
0.4 - 1.2		0.87D		78B	0.032E						3.4	29.2
0.4 - 1.2		0.87D		78B	0.032E						3.4	29.2
0.4 - 1.2		0.87D		78B	0.032E						3.4	29.2
1.2 - 1.56		0.36D		57B	0.016E						4.8	34.4
1.2 - 1.56		0.36D		57B	0.016E						4.8	34.4
1.2 - 1.56		0.36D		57B	0.016E						4.8	34.4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts

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15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
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
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using Sum of Cations and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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
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
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)
P3B_GV_03	0.3 BAR Moisture g/g - Gravimetric using suction plate
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate