Project Name: **Harvey-Capel land resources survey**
Project Code: **WCC** **Site ID:** **0459** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Bev Kipling	**Locality:**	
Date Desc.:	30/05/90	**Elevation:**	35 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6325270 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	394680 Datum: AGD84	**Drainage:**	Moderately well drained

Geology

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

Landform

Rel/Slope Class:	No Data	**Pattern Type:**	No Data
Morph. Type:	Open depression (vale)	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	3 %	**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: Um4.25
Great Soil Group: N/A

Site Disturbance

Complete clearing. Pasture, native or improved, but never cultivated

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.07 m Dark reddish brown (5YR3/2-Moist); ; Loam; Massive grade of structure; Earthy fabric; Moderately moist;
Loose consistence; Field pH 7 (pH meter); Abrupt change to -

A2 0.07 - 0.2 m Dark reddish brown (5YR3/4-Moist); ; Loam; Massive grade of structure; Earthy fabric; Moderately moist;
Loose consistence; Field pH 6.5 (pH meter); Abrupt change to -

B21 0.2 - 0.8 m Dark reddish brown (2.5YR3/4-Moist); ; Fine sandy loam; Weak grade of structure, <2 mm, Subangular
blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 6 (pH meter); Abrupt change to
-

B22 0.8 - 1.2 m Yellowish brown (10YR5/4-Moist); , 10-20% , 5-15mm, Distinct; Fine sandy loam; Weak grade of
structure, <2 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH
6 (pH meter);

Morphological Notes

B21 texture code was LFSY,
B22 texture code was LFSY,

Observation Notes

Site Notes

Topsoil contains many worms.

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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 - 0.07	5.4B	14B	6.64H	2.67	0.67	0.16	0.04J		10.14D	

	6H							
0 - 0.07	5.4B	14B	6.64H	2.67	0.67	0.16	0.04J	10.14D
	6H							
0.07 - 0.2	5.4B	8B	4.22H	1.82	0.52	0.14	0.1J	6.7D
	6.1H							
0.07 - 0.2	5.4B	8B	4.22H	1.82	0.52	0.14	0.1J	6.7D
	6.1H							
0.2 - 0.8	5.1B	5B	3.53H	2.77	0.44	0.16	0.06J	6.9D
	6.1H							
0.2 - 0.8	5.1B	5B	3.53H	2.77	0.44	0.16	0.06J	6.9D
	6.1H							
0.8 - 1.2	5.1B	6B	1.63H	2.43	0.18	0.45	0.05J	4.69D
	6.1H							
0.8 - 1.2	5.1B	6B	1.63H	2.43	0.18	0.45	0.05J	4.69D
	6.1H							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
								GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.07		2.97D		290B	0.206E						11.5
10.9											
0 - 0.07		2.97D		290B	0.206E						11.5
10.9											
0.07 - 0.2		1.96D		250B	0.126E						12.5
8											
0.07 - 0.2		1.96D		250B	0.126E						12.5
8											
0.2 - 0.8		0.77D		85B	0.055E						10.1
19.2											
0.2 - 0.8		0.77D		85B	0.055E						10.1
19.2											
0.8 - 1.2		0.29D		70B	0.03E						7.3
16.6											
0.8 - 1.2		0.29D		70B	0.03E						7.3
16.6											

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
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
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)

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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