Project Name: **Harvey-Capel land resources survey**
Project Code: **WCC** **Site ID:** **0463** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Bev Kipling	**Locality:**	
Date Desc.:	31/05/90	**Elevation:**	130 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6341309 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	399141 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:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	19 %	**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: Gn1.64
Great Soil Group: N/A

Site Disturbance

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

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.1 m Brown (10YR4/3-Moist); ; Loam; Massive grade of structure; Earthy fabric; Moderately moist; Loose consistence; Field pH 7 (pH meter); Gradual change to -

A21 0.1 - 0.25 m Strong brown (7.5YR5/6-Moist); ; Fine sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, subangular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Abrupt change to -

A22 0.25 - 0.6 m Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Weak grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 5.5 (pH meter); Gradual change to -

B21 0.6 - 0.9 m Strong brown (7.5YR5/8-Moist); ; Clay loam, sandy; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; Field pH 5 (pH meter); Gradual change to -

B22 0.9 - 1.76 m Strong brown (7.5YR5/8-Moist); ; Clay loam, sandy; Dry; 90-100%, cobbly, 60-200mm, angular, Gravel, coarse fragments; Field pH 5.5 (pH meter); Abrupt change to -

B23 1.76 - 1.9 m Strong brown (7.5YR5/6-Moist); ; Sandy light clay; Moist; 90-100%, cobbly, 60-200mm, subangular, Gravel, coarse fragments; Field pH 5 (pH meter);

Morphological Notes

A21 texture code was LFSY,

Observation Notes

Site Notes

Layer 5 - Basically weathered granite forming mottles in the horizon. Layer 3 - Many medium sized gravel bits heavily weathered granite.

Project Name: **Harvey-Capel land resources survey**

Project Code: WCC **Site ID:** 0463 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.9B 5.5H	16B	4.18H	2.83	0.74	0.69	0.75J		8.44D	
0 - 0.1	4.9B 5.5H	16B	4.18H	2.83	0.74	0.69	0.75J		8.44D	
0 - 0.1	4.9B 5.5H	16B	4.18H	2.83	0.74	0.69	0.75J		8.44D	
0.1 - 0.25	4.8B 5.7H	7B	0.98H	2.51	0.52	0.33	0.37J		4.34D	
0.1 - 0.25	4.8B 5.7H	7B	0.98H	2.51	0.52	0.33	0.37J		4.34D	
0.1 - 0.25	4.8B 5.7H	7B	0.98H	2.51	0.52	0.33	0.37J		4.34D	
0.25 - 0.6	4.9B 5.2H	18B	0.4H	3.97	0.47	0.69	0.05J		5.53D	
0.25 - 0.6	4.9B 5.2H	18B	0.4H	3.97	0.47	0.69	0.05J		5.53D	
0.25 - 0.6	4.9B 5.2H	18B	0.4H	3.97	0.47	0.69	0.05J		5.53D	
0.6 - 0.9	4.5B 4.7H	18B	0.09H	3.94	0.43	0.71	0.24J		5.17D	
0.6 - 0.9	4.5B 4.7H	18B	0.09H	3.94	0.43	0.71	0.24J		5.17D	
0.6 - 0.9	4.5B 4.7H	18B	0.09H	3.94	0.43	0.71	0.24J		5.17D	
0.9 - 1.76	4.7B 4.8H	23B	0.18H	6.52	0.5	0.96	0.04J		8.16D	
0.9 - 1.76	4.7B 4.8H	23B	0.18H	6.52	0.5	0.96	0.04J		8.16D	
0.9 - 1.76	4.7B 4.8H	23B	0.18H	6.52	0.5	0.96	0.04J		8.16D	
1.76 - 1.9	5.2B 5.2H	8B	0.56H	4.68	0.42	0.57	0.04J		6.23D	
1.76 - 1.9	5.2B 5.2H	8B	0.56H	4.68	0.42	0.57	0.04J		6.23D	
1.76 - 1.9	5.2B 5.2H	8B	0.56H	4.68	0.42	0.57	0.04J		6.23D	

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 - 0.1		5.16D		340B	0.26E						22.3
18.4											
0 - 0.1		5.16D		340B	0.26E						22.3
18.4											
0 - 0.1		5.16D		340B	0.26E						22.3
18.4											
0.1 - 0.25		1.85D		180B	0.077E						22.4
35.6											
0.1 - 0.25		1.85D		180B	0.077E						22.4
35.6											
0.1 - 0.25		1.85D		180B	0.077E						22.4
35.6											
0.25 - 0.6		0.79D		110B	0.032E						18.1
40.5											
0.25 - 0.6		0.79D		110B	0.032E						18.1
40.5											
0.25 - 0.6		0.79D		110B	0.032E						18.1
40.5											
0.6 - 0.9		0.39D		130B	0.018E						22.7
36.9											

Project Name: **Harvey-Capel land resources survey**
Project Code: **WCC** **Site ID:** **0463** **Observation** **1**
Agency Name: **Agriculture Western Australia**

0.6 - 0.9	0.39D	130B	0.018E		22.7
36.9					
0.6 - 0.9	0.39D	130B	0.018E		22.7
36.9					
0.9 - 1.76	0.17D	410B	0.013E		31.6
12.6					
0.9 - 1.76	0.17D	410B	0.013E		31.6
12.6					
0.9 - 1.76	0.17D	410B	0.013E		31.6
12.6					
1.76 - 1.9	0.26D	260B	0.02E		13.6
22.8					
1.76 - 1.9	0.26D	260B	0.02E		13.6
22.8					
1.76 - 1.9	0.26D	260B	0.02E		13.6
22.8					

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)
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