Project Name: **Harvey-Capel land resources survey**
Project Code: **WCC** **Site ID:** **0710** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Bev Kipling	**Locality:**	
Date Desc.:	18/12/90	**Elevation:**	25 metres
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6340790 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	391766 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:**	Alluvial plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	No Data
Slope:	0 %	**Aspect:**	No Data

Surface Soil Condition

Firm, Hardsetting

Erosion

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Db4.21
Great Soil Group: N/A

Site Disturbance

Cultivation. Irrigated, past or present

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.15 m Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; Water repellent; Field pH 5.5 (pH meter);

A2 0.15 - 0.3 m Brown (7.5YR4/4-Moist); ; Loam; Weak grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Dry; Weak consistence; Field pH 6 (pH meter);

B2 0.3 - 0.6 m Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Dry; Weak consistence; Field pH 6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

SITE IS SIMILAR TO A SANDY LOAM BOYANUP BUT NOT AS ORANGE

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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 - 0.15	4.4B 5H	14B	4.74H	2.82	0.47	0.39	1.13J		8.42D	
0.15 - 0.3	4.5B 5.2H	9B	1.34H	2.08	0.46	0.27	0.89J		4.15D	
0.3 - 0.6	4.9B 5.5H	19B	2.52H	4.04	0.57	0.84	0.14J		7.97D	

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		4.37D		330B	0.244E						13.5	19.4
0.15 - 0.3		1.26D		150B	0.103E						20.4	20.8
0.3 - 0.6		0.83D		140B	0.079E						18.8	27.8

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)