

Project Name: Harvey-Capel land resources survey
Project Code: WCC **Site ID:** 0711 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Bev Kipling **Locality:**
Date Desc.: 18/12/90 **Elevation:** 30 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6345390 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 394476 Datum: AGD84 **Drainage:** Imperfectly 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: Flat **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:** Dy5.21
ASC Confidence: **Great Soil Group:** N/A
 Confidence level not specified

Site Disturbance Cultivation. Irrigated, past or present

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.15 m Dark brown (7.5YR3/4-Moist); ; Loam; Massive grade of structure; Earthy fabric; Dry;
 Loose consistence;
 Field pH 6.5 (pH meter);
 A2 0.15 - 0.3 m Yellowish brown (10YR5/6-Moist); ; Clay loam; Massive grade of structure; Earthy fabric;
 Dry; Loose
 consistence; Field pH 6 (pH meter);
 B21 0.3 - 0.5 m Yellowish brown (10YR5/4-Moist); , 10-20% , 0-5mm, Distinct; Light clay; Dry; 20-50%,
 medium gravelly,
 6-20mm, subrounded, Quartz, coarse fragments; Field pH 7 (pH meter);
 B22 0.5 - 1 m Dark greyish brown (10YR4/2-Moist); , 20-50% , 5-15mm, Distinct; Light clay; 20-50%,
 fine gravelly, 2-
 6mm, subrounded, Quartz, coarse fragments; Field pH 7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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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 - 0.15	4.7B 5.5H	7B	0.92H	3.05	0.1	0.58	0.81J		4.65D	
0.15 - 0.3	4.9B 5.6H	7B	1.26H	5.67	0.13	0.38	0.03J		7.44D	
0.3 - 0.5	5B 5.8H	6B	1.19H	5.47	0.13	0.32	0.02J		7.11D	
0.5 - 1	5B 5.8H	5B	1.14H	6.48	0.09	0.35	0.02J		8.06D	

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.15 17.6		1.85D		90B	0.153E			26.4
0.15 - 0.3 51.3		0.32D		78B	0.039E			9.1
0.3 - 0.5 48.4		0.22D		53B	0.033E			8.9
0.5 - 1 47.3		0.19D		26B	0.025E			10.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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)