Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0888** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Henry Smolinski	**Locality:**	
Date Desc.:	28/02/97	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6415838 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	477849 Datum: AGD84	**Drainage:**	No Data

Geology

ExposureType:	Soil pit	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	No Data	**Pattern Type:**	Rises
Morph. Type:	Open depression (vale)	**Relief:**	No Data
Elem. Type:	Drainage depression	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	0 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mottled-Hypernatric Yellow Sodosol

ASC Confidence:
Confidence level not specified

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

Site

Vegetation:

Surface Coarse

Profile

A11 0 - 0.12 m Dark brown (7.5YR3/4-Moist); ; Sandy clay loam; 2-5 mm, Angular blocky; Moist; 2-10%, fine gravelly, 2-6mm, Igneous rock (unidentified), coarse fragments; Field pH 6.5 (Raupach); Clear change to -

A12 0.12 - 0.22 m Brown (7.5YR4/4-Moist); , 7.5YR46, 10-20% , Distinct; , 10YR52, 2-10% , Faint; Sandy clay loam; Massive grade of structure; Moderately moist; 2-10%, fine gravelly, 2-6mm, Igneous rock (unidentified), coarse fragments; Field pH 6.5 (Raupach); Clear change to -

B1 0.22 - 0.35 m Light brown (7.5YR6/4-Moist); , 5YR56, 10-20% , Distinct; , 0-0% ; Sandy clay loam; Massive grade of structure; Moderately moist; 2-10%, fine gravelly, 2-6mm, Igneous rock (unidentified), coarse fragments; 0-2%, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Gradual change to -

B2 0.35 - 0.8 m Yellowish brown (10YR5/8-Moist); , 10YR63, 10-20% ; Sandy light clay; Weak grade of structure, Granular; Moist; 0-2%, Ironstone, coarse fragments; 0-2%, Igneous rock (unidentified), coarse fragments; Field pH 7 (Raupach); Diffuse, Wavy change to -

C 0.8 - 1 m Light grey (10YR7/1-Moist); , 10YR58, 10-20% , Distinct; Sandy light clay; , Granular; Moist; 50-90%, fine gravelly, 2-6mm, angular, Igneous rock (unidentified), coarse fragments; 2-10%, Ironstone, coarse fragments; Field pH 7 (Raupach);

R 1 - m Rock

Morphological Notes

C few iron segs
R granite

Observation Notes

Site Notes

salt seep developing, subsoil moist

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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 - 0.12	5.6B 6.6H	49B	1.88A	4.43	0.33	2.24			8.88D	
0 - 0.12	5.6B 6.6H	49B	1.88A	4.43	0.33	2.24			8.88D	
0 - 0.12	5.6B 6.6H	49B	1.88A	4.43	0.33	2.24			8.88D	
0.12 - 0.22	5.7B 6.9H	24B	0.97A	3.16	0.26	1.18			5.57D	
0.12 - 0.22	5.7B 6.9H	24B	0.97A	3.16	0.26	1.18			5.57D	
0.12 - 0.22	5.7B 6.9H	24B	0.97A	3.16	0.26	1.18			5.57D	
0.22 - 0.35	6.2B 6.9H	52B	0.92A	5.83	0.52	2.86			10.13D	
0.22 - 0.35	6.2B 6.9H	52B	0.92A	5.83	0.52	2.86			10.13D	
0.22 - 0.35	6.2B 6.9H	52B	0.92A	5.83	0.52	2.86			10.13D	
0.35 - 0.8	5.8B 6.9H	22B	0.51A	2.38	0.23	1.04			4.16D	
0.35 - 0.8	5.8B 6.9H	22B	0.51A	2.38	0.23	1.04			4.16D	
0.35 - 0.8	5.8B 6.9H	22B	0.51A	2.38	0.23	1.04			4.16D	
0.8 - 1	6.2B 7.1H	42B	0.77A	6.77	0.43	3.51			11.48D	
0.8 - 1	6.2B 7.1H	42B	0.77A	6.77	0.43	3.51			11.48D	
0.8 - 1	6.2B 7.1H	42B	0.77A	6.77	0.43	3.51			11.48D	

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 - 0.12		2.23D		290B	0.142E						13.7
10											
0 - 0.12		2.23D		290B	0.142E						13.7
10											
0 - 0.12		2.23D		290B	0.142E						13.7
10											
0.12 - 0.22		0.57D		110B	0.028E						10.4
15.3											
0.12 - 0.22		0.57D		110B	0.028E						10.4
15.3											
0.12 - 0.22		0.57D		110B	0.028E						10.4
15.3											
0.22 - 0.35		0.14D		76B	0.018E						8.9
56.1											
0.22 - 0.35		0.14D		76B	0.018E						8.9
56.1											
0.22 - 0.35		0.14D		76B	0.018E						8.9
56.1											
0.35 - 0.8		0.2D		81B	0.014E						8.5
20.7											
0.35 - 0.8		0.2D		81B	0.014E						8.5
20.7											
0.35 - 0.8		0.2D		81B	0.014E						8.5
20.7											
0.8 - 1		0.08D		66B	0.011E						4.9

37.9				
0.8 - 1	0.08D	66B	0.011E	4.9
37.9				
0.8 - 1	0.08D	66B	0.011E	4.9
37.9				

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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
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
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
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - 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
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_gt2m	> 2mm 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)