Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0893** **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.:	6414963 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	476844 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:**	Hills
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	No Data
Slope:	5 %	**Aspect:**	180 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Sodic Eutrophic Grey Chromosol

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 - 0.15 m Dusky red (10R3/2-Moist); ; Clayey coarse sand; Moderate grade of structure, 2-5 mm, Granular; Dry; 2-10%, fine gravelly, 2-6mm, angular, Igneous rock (unidentified), coarse fragments; Field pH 5.5 (Raupach); Gradual change to -

A2e 0.15 - 0.45 m Very pale brown (10YR8/4-Moist); , 10YR76, 10-20% , Faint; Clayey coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Igneous rock (unidentified), coarse fragments; Field pH 6 (Raupach); Abrupt change to -

B2 0.45 - 0.75 m Light brownish grey (10YR6/2-Moist); , 10YR36, 10-20% ; , 7.5YR58, 10-20% ; Sandy light medium clay; Massive grade of structure; Moist; Field pH 7 (Raupach); Diffuse change to -

C 0.75 - 1 m Light grey (10YR7/2-Moist); , 10R36, 10-20% ; , 7.5YR58, 10-20% ; Coarse sandy light clay; Massive grade of structure; Moist; Field pH 6 (Raupach);

Morphological Notes

A2e	Siliceous
B2	Very weak coarse blocky dome development
C	at 100cm indurated c turns to r

Observation Notes

Site Notes

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Project Code: COR Site ID: 0893 Observation 1
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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	4.6B 5.5H	8B	3.42H	1.14	0.08	0.32	0.66J		4.96D	
0 - 0.15	4.6B 5.5H	8B	3.42H	1.14	0.08	0.32	0.66J		4.96D	
0 - 0.15	4.6B 5.5H	8B	3.42H	1.14	0.08	0.32	0.66J		4.96D	
0.15 - 0.45	5.4B 6.8H	2B	0.87A	1.04	0.04	0.17			2.12D	
0.15 - 0.45	5.4B 6.8H	2B	0.87A	1.04	0.04	0.17			2.12D	
0.15 - 0.45	5.4B 6.8H	2B	0.87A	1.04	0.04	0.17			2.12D	
0.45 - 0.75	5.6B 6.6H	6B	3.87A	6.26	0.16	0.65			10.94D	
0.45 - 0.75	5.6B 6.6H	6B	3.87A	6.26	0.16	0.65			10.94D	
0.45 - 0.75	5.6B 6.6H	6B	3.87A	6.26	0.16	0.65			10.94D	
0.45 - 0.75	5.6B 6.6H	6B	3.87A	6.26	0.16	0.65			10.94D	
0.75 - 1	4.2B 5.7H	5B	3.11H	6.71	0.16	0.95	0.64J		10.93D	
0.75 - 1	4.2B 5.7H	5B	3.11H	6.71	0.16	0.95	0.64J		10.93D	
0.75 - 1	4.2B 5.7H	5B	3.11H	6.71	0.16	0.95	0.64J		10.93D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15		2.44D		260B	0.17E						10.5
8.1											
0 - 0.15		2.44D		260B	0.17E						10.5
8.1											
0 - 0.15		2.44D		260B	0.17E						10.5
8.1											
0.15 - 0.45		0.08D		46B	0.013E						17.5
12.3											
0.15 - 0.45		0.08D		46B	0.013E						17.5
12.3											
0.15 - 0.45		0.08D		46B	0.013E						17.5
12.3											
0.45 - 0.75		0.08D		31B	0.018E						7.3
52.3											
0.45 - 0.75		0.08D		31B	0.018E						7.3
52.3											
0.45 - 0.75		0.08D		31B	0.018E						7.3
52.3											
0.45 - 0.75		0.08D		31B	0.018E						7.3
52.3											
0.75 - 1		0.07D		36B	0.012E						7.2
28.5											
0.75 - 1		0.07D		36B	0.012E						7.2
28.5											
0.75 - 1		0.07D		36B	0.012E						7.2
28.5											

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
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded

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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
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
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
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
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)