Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0894** **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.:	6414868 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	476829 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:	Open depression (vale)	**Relief:**	No Data
Elem. Type:	Doline	**Slope Category:**	No Data
Slope:	3 %	**Aspect:**	135 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Hypernatric Grey 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

A1 0 - 0.15 m Dark greyish brown (10YR4/2-Moist); , 10YR58, 10-20% , Faint; Loamy coarse sand; Weak grade of structure, 2-5 mm, ; Sandy (grains prominent) fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6.5 (Raupach); Gradual change to -

A2 0.15 - 0.45 m Light brownish grey (10YR6/2-Moist); , 10YR58; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Moist; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6.5 (Raupach); Abrupt, Wavy change to -

B1 0.45 - 0.8 m Light brownish grey (10YR6/2-Moist); , 10YR58, 10-20% , 15-30mm, Distinct; , 10YR68; Sandy clay loam; Massive grade of structure; Moist; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Field pH 5 (Raupach);

B2g 0.8 - 1.05 m Greenish grey (5GY5/1-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Angular blocky; Moist; Field pH 6.5 (Raupach);

Rm 1.05 - m Rock

Morphological Notes

A1 0-4 cm: humic loam--10YR 3/2//2/2--weak crumb--pH=6
Rm Siliceous hardpan

Observation Notes

Site Notes

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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 - 0.04	4.9B 5.3H	130B	9.12H	9.1	0.21	2.61	0.1J		21.04D	
0 - 0.04	4.9B 5.3H	130B	9.12H	9.1	0.21	2.61	0.1J		21.04D	
0 - 0.04	4.9B 5.3H	130B	9.12H	9.1	0.21	2.61	0.1J		21.04D	
0.04 - 0.15	5B 5.6H	61B	2.76H	3.36	0.09	1.1	0.1J		7.31D	
0.04 - 0.15	5B 5.6H	61B	2.76H	3.36	0.09	1.1	0.1J		7.31D	
0.04 - 0.15	5B 5.6H	61B	2.76H	3.36	0.09	1.1	0.1J		7.31D	
0.15 - 0.45	5.6B 6.2H	20B	0.72H	0.62	0.07	0.23	0.04J		1.64D	
0.15 - 0.45	5.6B 6.2H	20B	0.72H	0.62	0.07	0.23	0.04J		1.64D	
0.15 - 0.45	5.6B 6.2H	20B	0.72H	0.62	0.07	0.23	0.04J		1.64D	
0.45 - 0.8	4.1B 4.8H	36B	0.24H	1.54	0.06	0.76	0.26J		2.6D	
0.45 - 0.8	4.1B 4.8H	36B	0.24H	1.54	0.06	0.76	0.26J		2.6D	
0.45 - 0.8	4.1B 4.8H	36B	0.24H	1.54	0.06	0.76	0.26J		2.6D	
0.8 - 1.05	5.2B 6H	70B	0.88H	5.92	0.05	4			10.85D	
0.8 - 1.05	5.2B 6H	70B	0.88H	5.92	0.05	4			10.85D	
0.8 - 1.05	5.2B 6H	70B	0.88H	5.92	0.05	4			10.85D	

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 - 0.04 5.3		9.81D		550B	0.685E						11.9
0 - 0.04 5.3		9.81D		550B	0.685E						11.9
0 - 0.04 5.3		9.81D		550B	0.685E						11.9
0.04 - 0.15 8.7		2.26D		170B	0.149E						9.6
0.04 - 0.15 8.7		2.26D		170B	0.149E						9.6
0.04 - 0.15 8.7		2.26D		170B	0.149E						9.6
0.15 - 0.45 2.5		0.08D		57B	0.01E						6.8
0.15 - 0.45 2.5		0.08D		57B	0.01E						6.8
0.15 - 0.45 2.5		0.08D		57B	0.01E						6.8
0.45 - 0.8 17		0.05D		54B	0.009E						10.1
0.45 - 0.8 17		0.05D		54B	0.009E						10.1
0.45 - 0.8 17		0.05D		54B	0.009E						10.1
0.8 - 1.05		0.13D		71B	0.016E						11.7

39.5				
0.8 - 1.05	0.13D	71B	0.016E	11.7
39.5				
0.8 - 1.05	0.13D	71B	0.016E	11.7
39.5				

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Laboratory Analyses Completed for this profile

15_NR_AL	Aluminium Cation - meq per 100g of soil - Not recorded
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
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
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)