Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0889** **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.:	6415460 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	477711 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:**	No Data
Morph. Type:	Upper-slope	**Relief:**	No Data
Elem. Type:	Hillcrest	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	45 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Mesotrophic Yellow 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

A11c 0 - 0.08 m Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 5.5 (Raupach); Clear change to -

A12c 0.08 - 0.3 m Yellowish brown (10YR5/6-Moist); ; Sandy loam; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Field pH 6 (Raupach); Gradual change to -

B21c 0.3 - 0.5 m Strong brown (7.5YR5/6-Moist); ; Sandy light clay; 2-5 mm, Granular; 50-90%, medium gravelly, 6-20mm, rounded, Ironstone, coarse fragments; Very many (50 - 100 %), Ferruginous, Medium (2 -6 mm), Soft segregations; Field pH 6.5 (Raupach); Gradual change to -

B22c 0.5 - 1 m Brownish yellow (10YR6/8-Moist); , 2.5YR46; Sandy light clay; Massive grade of structure; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 50-90%, rounded, Ironstone, coarse fragments; Field pH 7 (Raupach);

Morphological Notes

A11c Organic

Observation Notes

Site Notes

gravelly soils

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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 - 0.08	5.2B 5.9H	27B	6.85H	2.38	1.17	0.46	0.12J		10.86D	
0 - 0.08	5.2B 5.9H	27B	6.85H	2.38	1.17	0.46	0.12J		10.86D	
0 - 0.08	5.2B 5.9H	27B	6.85H	2.38	1.17	0.46	0.12J		10.86D	
0.08 - 0.3	4.9B 5.7H	8B	1.51H	0.72	0.27	0.12	0.18J		2.62D	
0.08 - 0.3	4.9B 5.7H	8B	1.51H	0.72	0.27	0.12	0.18J		2.62D	
0.08 - 0.3	4.9B 5.7H	8B	1.51H	0.72	0.27	0.12	0.18J		2.62D	
0.3 - 0.5	5.3B 6H	8B	1.18H	2.12	0.16	0.18	0.04J		3.64D	
0.3 - 0.5	5.3B 6H	8B	1.18H	2.12	0.16	0.18	0.04J		3.64D	
0.3 - 0.5	5.3B 6H	8B	1.18H	2.12	0.16	0.18	0.04J		3.64D	
0.5 - 1	6B 6.5H	4B	0.14H	2.76	0.09	0.19			3.18D	
0.5 - 1	6B 6.5H	4B	0.14H	2.76	0.09	0.19			3.18D	
0.5 - 1	6B 6.5H	4B	0.14H	2.76	0.09	0.19			3.18D	
0.5 - 1	6B 6.5H	4B	0.14H	2.76	0.09	0.19			3.18D	

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 - 0.08 5.2		5.27D		550B	0.372E						6.3
0 - 0.08 5.2		5.27D		550B	0.372E						6.3
0 - 0.08 5.2		5.27D		550B	0.372E						6.3
0.08 - 0.3 15.8		0.72D		100B	0.04E						6.3
0.08 - 0.3 15.8		0.72D		100B	0.04E						6.3
0.08 - 0.3 15.8		0.72D		100B	0.04E						6.3
0.3 - 0.5 28.7		0.49D		81B	0.032E						6.5
0.3 - 0.5 28.7		0.49D		81B	0.032E						6.5
0.3 - 0.5 28.7		0.49D		81B	0.032E						6.5
0.5 - 1 37		0.11D		49B	0.01E						9.4
0.5 - 1 37		0.11D		49B	0.01E						9.4
0.5 - 1 37		0.11D		49B	0.01E						9.4
0.5 - 1 37		0.11D		49B	0.01E						9.4

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

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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)