Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0886** **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.:	6415565 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	478591 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:	No Data	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	4.5 %	**Aspect:**	No Data

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Mottled-Mesonatric Yellow Sodosol Medium Non-gravelly Sandy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: N/A

ASC Confidence:
All necessary analytical data are available.

Great Soil Group: N/A

Site

Vegetation:

Surface Coarse

Profile

A1 0 - 0.1 m Dark brown (10YR3/3-Moist); ; Clayey sand; Weak grade of structure, Granular; Sandy (grains prominent) fabric; Moist; Field pH 5.5 (Raupach); Gradual change to -

A2c 0.1 - 0.22 m Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; 20-50%, fine gravelly, 2-6mm, subangular, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Clear, Wavy change to -

21 0.22 - 0.45 m Yellowish brown (10YR5/8-Moist); , 2.5YR48, 2-10% , Distinct; , 10YR62, 2-10% , Faint; Light medium clay; Weak grade of structure, Columnar; Weak grade of structure, 20-50 mm, Angular blocky; Moist; 2-10%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Field pH 7 (Raupach); Diffuse change to -

B22 0.45 - 0.65 m Yellowish brown (10YR5/4-Moist); , 10YR62, 10-20% , Distinct; Light medium clay; Massive grade of structure; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Field pH 7 (Raupach);

Morphological Notes

A1 dolerite top is ferruginised
A2c Gravelly clayey medium to coarse sand

Observation Notes

Site Notes

on dolerite dyke, A1 and A2 thin layer of brown sand grains in transition of 10yr 4/3

Project Name: Corrigin land resources survey
Project Code: COR Site ID: 0886 Observation 1
Agency Name: Agriculture Western Australia

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 - 0.1	4.9B 6.2H	12B	3.17H	4.75	0.09	1.16	0.24J		9.17D	
0 - 0.1	4.9B 6.2H	12B	3.17H	4.75	0.09	1.16	0.24J		9.17D	
0 - 0.1	4.9B 6.2H	12B	3.17H	4.75	0.09	1.16	0.24J		9.17D	
0.1 - 0.22	5.6B 7.1H	6B	0.46A	0.81	0.05	0.5			1.82D	
0.1 - 0.22	5.6B 7.1H	6B	0.46A	0.81	0.05	0.5			1.82D	
0.1 - 0.22	5.6B 7.1H	6B	0.46A	0.81	0.05	0.5			1.82D	
0.22 - 0.45	5.6B 6.4H	27B	1.8H	11.22	0.15	3.07			16.24D	
0.22 - 0.45	5.6B 6.4H	27B	1.8H	11.22	0.15	3.07			16.24D	
0.22 - 0.45	5.6B 6.4H	27B	1.8H	11.22	0.15	3.07			16.24D	
0.22 - 0.45	5.6B 6.4H	27B	1.8H	11.22	0.15	3.07			16.24D	
0.45 - 0.65	5.4B 6.3H	38B	2.29H	14.27	0.09	4.33	0.02J		20.98D	
0.45 - 0.65	5.4B 6.3H	38B	2.29H	14.27	0.09	4.33	0.02J		20.98D	
0.45 - 0.65	5.4B 6.3H	38B	2.29H	14.27	0.09	4.33	0.02J		20.98D	

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 - 0.1		2.76D		270B	0.194E						11.4
10											
0 - 0.1		2.76D		270B	0.194E						11.4
10											
0 - 0.1		2.76D		270B	0.194E						11.4
10											
0.1 - 0.22		0.24D		82B	0.022E						9
10.7											
0.1 - 0.22		0.24D		82B	0.022E						9
10.7											
0.1 - 0.22		0.24D		82B	0.022E						9
10.7											
0.22 - 0.45		0.19D		6B	0.026E						5.2
76.3											
0.22 - 0.45		0.19D		6B	0.026E						5.2
76.3											
0.22 - 0.45		0.19D		6B	0.026E						5.2
76.3											
0.22 - 0.45		0.19D		6B	0.026E						5.2
76.3											
0.45 - 0.65		0.16D		46B	0.021E						9.3
57.6											
0.45 - 0.65		0.16D		46B	0.021E						9.3
57.6											
0.45 - 0.65		0.16D		46B	0.021E						9.3
57.6											

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

Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0886** **Observation** **1**
Agency Name: **Agriculture Western Australia**

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)