Project Name: **Corrigin land resources survey**
Project Code: **COR** **Site ID:** **0885** **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.:	6405574 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	483817 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:	Mid-slope	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	2 %	**Aspect:**	45 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:
Ferric Magnesic Yellow Kandosol

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 - 0.1 m Very dark greyish brown (10YR3/2-Moist); ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; Field pH 6 (Raupach);

A12c 0.1 - 0.5 m Brownish yellow (10YR6/8-Moist); ; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments; Field pH 6 (Raupach); Clear change to -

A13c 0.5 - 1 m Grey (10YR6/1-Moist); ; Single grain grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Clear change to -

B2c 1 - 1.5 m Brownish yellow (10YR6/8-Moist); , 2.5YR48, 10-20% ; Sandy clay loam; Massive grade of structure; 50-90%, Ironstone, coarse fragments; Common (10 - 20 %), Ferruginous, Fine (0 - 2 mm), Soft segregations; Field pH 7 (Raupach); Gradual change to -

BC 1.5 - 1.7 m Brownish yellow (10YR6/8-Moist); , 2.5Y46, 10-20% ; Sandy clay loam; Massive grade of structure; 20-50%, fine gravelly, 2-6mm, Ironstone, coarse fragments; Field pH 7 (Raupach);

Morphological Notes

A11c	Organic gravelly loamy fine to medium sand
A12c	Weak fine to medium sandy loamy gravel
A13c	Light sandy clay loamy gravel

Observation Notes

Site Notes

This may be Bauxitic

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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 - 0.1	4.7B 5.8H	14B	1.75H	1.33	0.16	1.05	1.17J		4.29D	
0 - 0.1	4.7B 5.8H	14B	1.75H	1.33	0.16	1.05	1.17J		4.29D	
0 - 0.1	4.7B 5.8H	14B	1.75H	1.33	0.16	1.05	1.17J		4.29D	
0.1 - 0.5	4.8B 6.1H	2B	0.1H	0.87	0.05	0.15	0.18J		1.17D	
0.1 - 0.5	4.8B 6.1H	2B	0.1H	0.87	0.05	0.15	0.18J		1.17D	
0.1 - 0.5	4.8B 6.1H	2B	0.1H	0.87	0.05	0.15	0.18J		1.17D	
0.5 - 1	5.3B 6.5H	2B	0.04H	1.56	0.02	0.16	0.03J		1.78D	
0.5 - 1	5.3B 6.5H	2B	0.04H	1.56	0.02	0.16	0.03J		1.78D	
0.5 - 1	5.3B 6.5H	2B	0.04H	1.56	0.02	0.16	0.03J		1.78D	
1 - 1.5	5.8B 6.1H	2B	0.02H	1.75	<0.02	0.11			1.89D	
1 - 1.5	5.8B 6.1H	2B	0.02H	1.75	<0.02	0.11			1.89D	
1 - 1.5	5.8B 6.1H	2B	0.02H	1.75	<0.02	0.11			1.89D	
1 - 1.5	5.8B 6.1H	2B	0.02H	1.75	<0.02	0.11			1.89D	
1.5 - 1.7	6B 6.1H	2B	0.02H	1.58	<0.02	0.1	0.02J		1.71D	
1.5 - 1.7	6B 6.1H	2B	0.02H	1.58	<0.02	0.1	0.02J		1.71D	
1.5 - 1.7	6B 6.1H	2B	0.02H	1.58	<0.02	0.1	0.02J		1.71D	

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 - 0.1		4.37D		130B	0.142E						3.4
4.9											
0 - 0.1		4.37D		130B	0.142E						3.4
4.9											
0 - 0.1		4.37D		130B	0.142E						3.4
4.9											
0.1 - 0.5		0.58D		78B	0.028E						6.1
14.9											
0.1 - 0.5		0.58D		78B	0.028E						6.1
14.9											
0.1 - 0.5		0.58D		78B	0.028E						6.1
14.9											
0.5 - 1		0.3D		87B	0.018E						6.6
21											
0.5 - 1		0.3D		87B	0.018E						6.6
21											
0.5 - 1		0.3D		87B	0.018E						6.6
21											
1 - 1.5		0.12D		82B	0.008E						7.5
19.9											
1 - 1.5		0.12D		82B	0.008E						7.5
19.9											
1 - 1.5		0.12D		82B	0.008E						7.5

19.9				
1 - 1.5	0.12D	82B	0.008E	7.5
19.9				
1.5 - 1.7	0.07D	73B	0.005E	14.1
26.3				

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1.5 - 1.7	0.07D	73B	0.005E	14.1
26.3				
1.5 - 1.7	0.07D	73B	0.005E	14.1
26.3				

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_K	Exch. basic cations (K++) - meq per 100g of soil - 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_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)