

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0034 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Bill Verboom	Locality:	
Date Desc.:	01/04/96	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6404670 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	591400 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:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	7 %	Aspect:	45 degrees

Surface Soil Condition

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site

Vegetation:

Surface Coarse

Profile

A1	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; 2-5 mm, Subangular blocky; Strong consistence;
		Clear, Wavy change to -
B21 strong	0.1 - 0.37 m	Dark reddish brown (2.5YR3/3-Moist); ; Heavy clay; 50-100 mm, Subangular blocky; Very consistence; Clear, Smooth change to -
B22 strong	0.37 - 0.6 m	Dark reddish brown (2.5YR3/3-Moist); ; Heavy clay; 50-100 mm, Angular blocky; Very consistence; Gradual, Smooth change to -
B23k	0.6 - 0.9 m	; Heavy clay; 50-100 mm, Angular blocky; Very strong consistence; , Calcareous, , ;

Morphological Notes

Observation Notes

Site Notes

"Pit #10"- Gorge Rock field day--between two lateritic caps

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	6.2B 6.8H	18B	29.31A	13.51	0.46	0.87			44.15D	
0.1 - 0.37	7B 8.2H	8B	32.55E	12.76	0.12	1.66		49B	47.09D	3.39
0.37 - 0.6	8.1B 9H	22B	32.82E	13.17	0.09	3.57		48B	49.65D	7.44
0.6 - 0.9	8.1B 8.8H	46B	30.72E	14.22	0.08	5.27		49B	50.29D	10.76

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		1.38D		210B	0.13E			
48.3								14.7
0.1 - 0.37	<2C	0.75D		110B	0.074E			12.1
52.9								
0.37 - 0.6	5C			82B				11.3
54.4								
0.6 - 0.9	5C			82B				9.6
58								

Laboratory Analyses Completed for this profile

12C1	Calcium chloride extractable boron - manual colour
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
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
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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

19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
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

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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_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)