

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0026 **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.:	6407460 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	592170 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:	Valley flat	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

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 - 0.15 m	Brown (10YR4/3-Moist); ; Medium clay; Weak grade of structure, Columnar; Strong grade of structure,
		200-500 mm, Angular blocky; Dry; Very strong consistence; 10-20%, fine gravelly, 2-6mm, Quartz,
		coarse fragments; 10-20%, fine gravelly, 2-6mm, Ironstone, coarse fragments; ,
Calcareous, Medium (2		-6 mm), Concretions; , Calcareous, , Soft segregations; Soil matrix is Slightly calcareous;
Clear, Smooth		change to -
B21	0.15 - 0.5 m	Brown (10YR4/3-Moist); ; Heavy clay; Moist; , Calcareous, , Soft segregations; ,
Calcareous, Medium (2		-6 mm), Concretions; Soil matrix is Slightly calcareous; Diffuse, Smooth change to -
B22	0.5 - 0.8 m	Light brownish grey (2.5Y6/3-Moist); , 2.5YR46, 2-10% ; , 10YR56; Heavy clay; Moist; ,
Calcareous, ,		Soft segregations; , Calcareous, Medium (2 -6 mm), Concretions;

Morphological Notes

A1	Calcareous surface horizon--extremely hard
B21	Strongly micro-aggregated
B22	Strongly micro-aggregated

Observation Notes

Site Notes

"Pit #2"--Gorge Rock field day-very gently undulating

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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 - 0.15	7.7B 8H	150B	13.56E	4.3	0.94	0.89		19B	19.69D	4.68
0.15 - 0.5	8.2B 8.7H	180B	7.86E	6.81	0.37	4.46		19B	19.5D	23.47
0.5 - 0.8	8.2B 8.7H	170B	4.92E	5.92	0.32	4.25		15B	15.41D	28.33

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 - 0.15	2C	1.14D		210B	0.103E			12
0.15 - 0.5	2C	0.28D		50B	0.022E			9
0.5 - 0.8	2C			40B				7.3

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_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
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 (CaCO3) - 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
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)

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P106001000 600 to 1000u particle size analysis, (method not recorded)