

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0025 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Bill Verboom	Locality:	
Date Desc.:	01/01/96	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6408025 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	592830 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: Gently undulating plains <9m 1-3% **Pattern Type:** Plain

Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	No Data

Surface Soil Condition Hardsetting

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 Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 2-10%, medium gravelly, 6-20mm, subangular, Ironstone; No surface coarse fragments; No surface coarse fragments

Profile

A1p	0 - 0.08 m	Brown (10YR4/3-Moist); ; Clayey sand; Weak grade of structure, Platy; Dry; Very weak consistence; 10- change to -
		20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Abrupt, Smooth
A2	0.08 - 0.22 m	Brownish yellow (10YR6/6-Moist); ; Sandy loam; Weak grade of structure, 200-500 mm, Subangular
		blocky; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Abrupt, Wavy change to -
B21	0.22 - 0.55 m	Yellowish brown (10YR5/6-Moist); , 5YR46, 20-50% ; Light clay; Moderate grade of structure, 2-5 mm,
		Angular blocky; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Diffuse, Smooth change to -
B22c	0.55 - 0.8 m	Light grey (10YR7/2-Moist); Yellowish brown (10YR5/6-Moist); , 5YR46; Light clay; Moderate grade of
		structure, 2-5 mm, Angular blocky; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments;

Morphological Notes

B22c Colours organised into layers

Observation Notes

Site Notes

"Pit #1" Gorge Rock field day

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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 - 0.08	5.1B 5.9H	19B	2.05H	0.69	0.42	0.56	0.07J		3.72D	
0.08 - 0.22	4.2B 5.1H	2B	0.5H	0.17	0.1	0.05	0.25J		0.82D	
0.22 - 0.55	5.9B 6.2H	6B	1.92H	2.42	0.07	0.35	0.02J		4.76D	
0.55 - 0.8	5.8B 6.2H	11B	0.96H	3.4	0.08	1.07			5.51D	

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 - 0.08 5.4		1.51D		190B	0.126E			6.6
0.08 - 0.22 10.1		0.24D		78B	0.02E			6.7
0.22 - 0.55 54.8				55B				12.1
0.55 - 0.8 46.8				43B				4.9

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_CM	Exchangeable bases (Ca/Mg ratio) - 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_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_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)

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