

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0030 **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.:	6405915 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	592320 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 rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	4 %	Aspect:	180 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

A1c	0 - 0.07 m	Dark greyish brown (10YR4/2-Moist); ; Clayey sand; Moderate grade of structure, 200-500 mm, Angular
		blocky; Strong consistence; 20-50%, fine gravelly, 2-6mm, Ironstone, coarse fragments;
		Sharp, Smooth
		change to -
B21	0.07 - 0.45 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay; Moderate grade of structure,
		Subangular blocky;
		Very strong consistence; Few (2 - 10 %), Manganiferous, , Nodules;
B22	0.45 - 0.78 m	Light brown (7.5YR6/4-Moist); , 2.5YR44, 2-10% ; Medium clay; Strong grade of structure,
		50-100 mm,
		Subangular blocky; Very strong consistence; , Argillaceous, , Soft segregations; ,
		Aluminous, , Soft
		segregations;
	0.78 - m	;

Morphological Notes

A1c	Gravelly clayey medium to fine sand
B22	Becomes more kaolinitic with depth---segregations of kaolin and bauxite---variagated colours
	Kaolinite

Observation Notes

Site Notes

"Pit #6"- Gorge Rock field day--kaolinitic pallid zone with unconformable sand overlying

Project Name: Corrigin land resources survey
 Project Code: COR Site ID: 0030 Observation 1
 Agency Name: Agriculture Western Australia

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 - 0.07	5B	7B	2.73H	0.98	0.42	0.13	0.08J		4.26D	
0.07 - 0.45	5.8H 7.7B 8.8H	14B	3.81E	5.21	0.25	1.55		12B	10.82D	12.92
0.45 - 0.78	7.9B 9.1H	25B	0.96E	5.32	0.48	4.82		12B	11.58D	40.17

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 - 0.07		1.08D		200B	0.074E			
6.3								
0.07 - 0.45	<2C	0.18D		44B	0.019E			
50.6								
0.45 - 0.78	<2C			27B				
53.7								

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	
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
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

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0030 **Observation** 1
Agency Name: Agriculture Western Australia

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)