

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0188 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Bill Verboom	Locality:	
Date Desc.:	14/06/96	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6417360 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	622373 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:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	%	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 No effective disturbance. Natural

Vegetation:

Surface Coarse ; No surface coarse fragments

Profile

A1	0 - 0.07 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Fine sandy loam; Weak grade of structure, <2 mm, Granular; Moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; AbundantClear, Smooth change to -
A2	0.07 - 0.3 m	Light brownish grey (2.5Y6/3-Moist); , 0-0% ; Fine sandy loam; Weak grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; AbundantGradual, Smooth change to -
B2w	0.3 - 0.35 m	, 0-0% ; Moderately moist; Few
B2w	0.35 - 0.5 m	Brownish yellow (10YR6/8-Moist); Mottles, 20-50% , 5-15mm, Prominent; Fine sandy loam; Massive grade of structure; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few

Morphological Notes

A1
 A2
 B2w Gravel line above massive indurated mittle horizon.
 B2w

Observation Notes

Site Notes

Pale 20cm tall, 35cm wide, rounded termitaria.

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.07	4.4B 5.5H 4.3J	2B	1.17H 1.5F	0.25 0.4	0.12 0.04	0.06 0.04	0.37J	5.2C	1.6D 1.98D	0.77
0 - 0.07	4.4B 5.5H 4.3J	2B	1.17H 1.5F	0.25 0.4	0.12 0.04	0.06 0.04	0.37J	5.2C	1.6D 1.98D	0.77
0 - 0.07	4.4B 5.5H 4.3J	2B	1.17H 1.5F	0.25 0.4	0.12 0.04	0.06 0.04	0.37J	5.2C	1.6D 1.98D	0.77
0 - 0.04 0.1 - 0.2	4.5B 5.5H 4.4J	2B	0.92H 0.9F	0.52 0.6	0.14 0.04	0.09 0.04	0.18J	3.6C	1.67D 1.58D	1.11
0.1 - 0.2	4.5B 5.5H 4.4J	2B	0.92H 0.9F	0.52 0.6	0.14 0.04	0.09 0.04	0.18J	3.6C	1.67D 1.58D	1.11
0.1 - 0.2	4.5B 5.5H 4.4J	2B	0.92H 0.9F	0.52 0.6	0.14 0.04	0.09 0.04	0.18J	3.6C	1.67D 1.58D	1.11
0.13 - 0.17 0.4 - 0.5	5.1B 5.6H 4.9J	3B	1.34H 1.3F	2.38 2.2	0.06 0.02	0.15 0.14	0.02J	7.2C	3.93D 3.66D	1.94
0.4 - 0.5	5.1B 5.6H 4.9J	3B	1.34H 1.3F	2.38 2.2	0.06 0.02	0.15 0.14	0.02J	7.2C	3.93D 3.66D	1.94
0.4 - 0.5	5.1B 5.6H 4.9J	3B	1.34H 1.3F	2.38 2.2	0.06 0.02	0.15 0.14	0.02J	7.2C	3.93D 3.66D	1.94

Depth m	CaCO3 %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particle GV CS	Size FS %	Analysis Silt
0 - 0.07 10.9		0.93D 1.2A 8		28B	0.042E				19	4.3 5
0 - 0.07 10.9		0.93D 1.2A 8		28B	0.042E				19	4.3 5
0 - 0.07 10.9		0.93D 1.2A 8		28B	0.042E				19	4.3 5
0 - 0.04 0.1 - 0.2 19.3		0.33D 0.41A 12		23B	0.026E		1.23		30	5.1 3
0.1 - 0.2 19.3		0.33D 0.41A 12		23B	0.026E				30	5.1 3
0.1 - 0.2 19.3		0.33D 0.41A 12		23B	0.026E				30	5.1 3
0.13 - 0.17							1.28			

0.4 - 0.5
23

0.13A

33B

22 4.4
7
16

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0.4 - 0.5 23	0.13A	33B	22	4.4
				7
				16
0.4 - 0.5 23	0.13A	33B	22	4.4
				7
				16

Laboratory Analyses Completed for this profile

13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15D1_AL	Exchangeable bases (Al2+)- 1M ammonium acetate at pH 7.0, pretreatment for soluble salts;
manual leach	
15D1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium acetate at pH 7.0, pretreatment for
soluble salts;	
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15D1_K	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts;
manual leach	
15D1_MG	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts;
manual leach	
15D1_NA	Exchangeable bases and CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts;
manual leach	
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	Base saturation percentage (BSP)
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	
15N1_a	and measured clay
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
3_NR	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
4_NR	Electrical conductivity or soluble salts - Not recorded
4B_AL_NR	pH of soil - Not recorded
4B_C_2.5	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
4B1	pH of soil - pH of 1:2.5 Soil/0.1M CaCl2 suspension
6A1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon - Walkley and Black
7A1	Organic carbon (%) - Uncorrected Walkley and Black method
9A3	Total nitrogen - semimicro Kjeldahl, steam distillation
9H1	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
P10_1m2m	Anion storage capacity
P10_20_75	1000 to 2000u particle size analysis, (method not recorded)
P10_75_106	20 to 75u particle size analysis, (method not recorded)
P10_gt2m	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	> 2mm particle size analysis, (method not recorded)
P10_NR_Saa	Clay (%) - Not recorded
P10_NR_Z	Sand (%) - Not recorded arithmetic difference, auto generated
P10_PB_FS	Silt (%) - Not recorded
P10106_150	Fine sand (%) - Plummert balance
P10150_180	106 to 150u particle size analysis, (method not recorded)
P10180_300	150 to 180u particle size analysis, (method not recorded)
P10200_500	180 to 300u particle size analysis, (method not recorded)
	200 to 500u particle size analysis, (method not recorded)

P10300_600	300 to 600u particle size analysis, (method not recorded)
P105002000	500 to 2000u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)
P3A_NR	Bulk density - Not recorded

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