

Project Name: Corrigin land resources survey
Project Code: COR **Site ID:** 0184 **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.:	6416358 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	621623 Datum: AGD84	Drainage:	Well drained

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:	Upper-slope	Relief:	40 metres
Elem. Type:	No Data	Slope Category:	No Data
Slope:	2 %	Aspect:	135 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 ; No surface coarse fragments

Profile

A1	0 - 0.05 m	Dark brown (7.5YR3/3-Moist); , 0-0% ; Clayey fine sand; Weak grade of structure, <2 mm, Granular;
		Moist; Very weak consistence; AbundantClear, Smooth change to -
A2	0.05 - 0.16 m	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Clayey fine sand; Weak grade of structure, 2-5 mm,
		Granular; Moderately moist; Very weak consistence; Water repellent; AbundantClear, Smooth change to -
B1	0.16 - 0.38 m	Brownish yellow (10YR6/7-Moist); , 0-0% ; Fine sandy loam; Massive grade of structure; Moderately
		moist; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Ironstone, coarse fragments;
		ManyGradual, Smooth change to -
B2c	0.38 - 1 m	Brownish yellow (10YR6/7-Moist); , 0-0% ; Massive grade of structure; Dry; Very weak consistence; 90-
		100%, coarse gravelly, 20-60mm, subrounded, Ironstone, coarse fragments; Many

Morphological Notes

A1	Weakly micro aggregated structure. Organic rich layer.
A2	
B1	
B2c	Fine sandy loamy gravel

Observation Notes

Site Notes

Sandplain, upper simple slope in low hills topography. Rolloing landform with low (2m) crest and undefined valleys. Rem Veg

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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 - 0.04	4.5B 5.2H	4B	1.14H	0.33	0.13	0.09	0.65J		1.69D	
0 - 0.04	4.5B 5.2H	4B	1.14H	0.33	0.13	0.09	0.65J		1.69D	
0 - 0.04	4.5B 5.2H	4B	1.14H	0.33	0.13	0.09	0.65J		1.69D	
0.05 - 0.15	4.2B 4.8H	4B	0.52H	0.23	0.07	0.04	0.88J		0.86D	
0.05 - 0.15	4.2B 4.8H	4B	0.52H	0.23	0.07	0.04	0.88J		0.86D	
0.2 - 0.3	4.1B 4.5H	4B	0.17H	0.11	0.06	0.06	1.23J		0.4D	
0.2 - 0.3	4.1B 4.5H	4B	0.17H	0.11	0.06	0.06	1.23J		0.4D	
0.2 - 0.24										
0.65 - 0.75	4B 4.3H	5B	0.14H	0.22	0.03	0.06	1.37J		0.45D	
0.65 - 0.75	4B 4.3H	5B	0.14H	0.22	0.03	0.06	1.37J		0.45D	

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 - 0.04 11.5		1.31D		38B	0.06E		1.25			6
0 - 0.04 11.5		1.31D		38B	0.06E		1.25			6
0 - 0.04 11.5		1.31D		38B	0.06E		1.25			6
0.05 - 0.15 15.4		0.88D		30B	0.045E					4.9
0.05 - 0.15 15.4		0.88D		30B	0.045E					4.9
0.2 - 0.3 19.3				21B						4
0.2 - 0.3 19.3				21B						4
0.2 - 0.24							1.31			
0.65 - 0.75 24.9				23B						4.8
0.65 - 0.75 24.9				23B						4.8

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMd	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_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
4B1

Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded
pH of 1:5 soil/0.01M calcium chloride extract - direct

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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_gt2m	> 2mm 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)
P3A_NR	Bulk density - Not recorded