

**Project Name:** Corrigin land resources survey  
**Project Code:** COR **Site ID:** 0884 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Henry Smolinski	<b>Locality:</b>
<b>Date Desc.:</b> 27/02/97	<b>Elevation:</b> No Data
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6414553 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 478800 Datum: AGD84	<b>Drainage:</b> Rapidly drained

#### Geology

<b>ExposureType:</b> Soil pit	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> No Data

#### Land Form

<b>Rel/Slope Class:</b> No Data	<b>Pattern Type:</b> No Data
<b>Morph. Type:</b> Upper-slope	<b>Relief:</b> No Data
<b>Elem. Type:</b> No Data	<b>Slope Category:</b> No Data
<b>Slope:</b> 20 %	<b>Aspect:</b> 45 degrees

#### Surface Soil Condition Soft

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Basic Ferric Bleached-Orthic Tenosol	<b>Principal Profile Form:</b> N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A
Confidence level not specified	

#### Site

#### Vegetation:

#### Surface Coarse

#### Profile

A11c 0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Single grain grade of structure; Smooth-ped fabric; 50-90%,
change to -	medium gravelly, 6-20mm, Ironstone, coarse fragments; Field pH 6 (Raupach); Clear
A12c 0.1 - 0.5 m	Brownish yellow (10YR6/6-Moist); ; Single grain grade of structure; Smooth-ped fabric; 50-90%, coarse
change to -	gravelly, 20-60mm, Ironstone, coarse fragments; Field pH 6.5 (Raupach); Gradual
A2c 0.5 - 1.2 m	Light yellowish brown (10YR6/4-Moist); ; Clayey coarse sand; Single grain grade of structure; Smooth-
(Raupach);	ped fabric; 50-90%, coarse gravelly, 20-60mm, Ironstone, coarse fragments; Field pH 6.5
	Gradual change to -
B2c 1.2 - 1.4 m	Light yellowish brown (10YR6/4-Moist); , 10YR76; , 2.5YR58; Smooth-ped fabric; 50-90%, subangular,
	Ironstone, coarse fragments; Field pH 6.5 (Raupach);

#### Morphological Notes

A11c	Organic weak loamy sandy gravel
A12c	Weak clayey medium to coarse sandy gravel
A2c	Gravelly medium to coarse sand
B2c	sporadic bleaching---sandy gravel

#### Observation Notes

#### Site Notes

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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	4.9B 6.2H	3B	2.83H	1.26	0.17	0.2	0.37J		4.46D	
0 - 0.15	4.9B 6.2H	3B	2.83H	1.26	0.17	0.2	0.37J		4.46D	
0 - 0.15	4.9B 6.2H	3B	2.83H	1.26	0.17	0.2	0.37J		4.46D	
0.4 - 0.7	5.3B 6.8H	3B	0.17A	1.26	0.06	0.33			1.82D	
0.4 - 0.7	5.3B 6.8H	3B	0.17A	1.26	0.06	0.33			1.82D	
0.4 - 0.7	5.3B 6.8H	3B	0.17A	1.26	0.06	0.33			1.82D	
0.7 - 1.2	5.5B 6.6H	4B	0.17H	0.97	0.05	0.19			1.38D	
0.7 - 1.2	5.5B 6.6H	4B	0.17H	0.97	0.05	0.19			1.38D	
0.7 - 1.2	5.5B 6.6H	4B	0.17H	0.97	0.05	0.19			1.38D	
1.2 - 1.4	5.6B 6.5H	4B	<0.02K	0.5	<0.02	0.22			0.74D	
1.2 - 1.4	5.6B 6.5H	4B	<0.02K	0.5	<0.02	0.22			0.74D	
1.2 - 1.4	5.6B 6.5H	4B	<0.02K	0.5	<0.02	0.22			0.74D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15 6.5		3.78D		150B	0.113E						5.3
0 - 0.15 6.5		3.78D		150B	0.113E						5.3
0 - 0.15 6.5		3.78D		150B	0.113E						5.3
0.4 - 0.7 11.1		0.63D		84B	0.027E						4.6
0.4 - 0.7 11.1		0.63D		84B	0.027E						4.6
0.4 - 0.7 11.1		0.63D		84B	0.027E						4.6
0.7 - 1.2 10		0.28D		53B	0.016E						3.8
0.7 - 1.2 10		0.28D		53B	0.016E						3.8
0.7 - 1.2 10		0.28D		53B	0.016E						3.8
1.2 - 1.4 8.3		0.1D		22B	0.007E						2
1.2 - 1.4 8.3		0.1D		22B	0.007E						2
1.2 - 1.4 8.3		0.1D		22B	0.007E						2

**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\_CA Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded

15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded

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15A1_CA for soluble	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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
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
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_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)