

**Project Name:** Geraldton land resources survey  
**Project Code:** GTN **Site ID:** 1413 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b> Rogers, Gary	<b>Locality:</b>
<b>Date Desc.:</b> 20/02/91	<b>Elevation:</b> No Data
<b>Map Ref.:</b>	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6816733 AMG zone: 50	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 353008 Datum: AGD84	<b>Drainage:</b> Rapidly drained

#### Geology

<b>ExposureType:</b> Auger boring	<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> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> No Data	<b>Slope Category:</b> No Data
<b>Slope:</b> %	<b>Aspect:</b> No Data

#### Surface Soil Condition Loose

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Basic Arenic Yellow-Orthic Tenosol	<b>Principal Profile Form:</b> Uc4.21
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A
All necessary analytical data are available.	

**Site** No effective disturbance. Natural

#### Vegetation:

#### Surface Coarse

#### Profile

A11	0 - 0.09 m	Dark yellowish brown (10YR4/6-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 5.7 (pH meter); Sharp change to -
A2	0.09 - 0.27 m	Yellowish brown (10YR5/6-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6 (pH meter); Clear change to -
B21	0.27 - 0.5 m	Brownish yellow (10YR6/8-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6 (pH meter); Gradual change to -
B22	0.5 - 0.7 m	Brownish yellow (10YR6/8-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6.5 (pH meter); Gradual change to -
B23	0.7 - 1.1 m	Brownish yellow (10YR6/8-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 6.7 (pH meter); Gradual change to -
B24	1.1 - 1.5 m	Yellowish brown (10YR5/8-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Field pH 7 (pH meter); Gradual change to -
B25	1.5 - 1.95 m	Yellowish brown (10YR5/8-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Field pH 7 (pH meter);

#### Morphological Notes

A11	plough very weak consistence, some FS
A2	weak consistence, some FS
B21	weak consistence, some FS
B22	weak consistence, some FS
B23	weak consistence, some FS
B24	weak consistence, some FS
B25	weak consistence, some FS

#### Observation Notes

#### Site Notes

Deep yellow sand, PPF : Uc4.21/Uc1.22 landform same as site 0556 bulk 0-10cm 10yr 4/6 LS medium some fines



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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 - 0.09	4.8B 5.5H	4B	0.87H	0.17	0.09	0.02	0.08J		1.15D	
0 - 0.1	4.9B 5.7H	5B	1H	0.2	0.06	0.02	0.06J		1.28D	
0.09 - 0.27	4.8B 5.7H	2B	0.6H	0.13	0.03	<0.02	0.03J		0.77D	
0.27 - 0.5	4.8B 5.4H	2B	0.43H	0.1	0.03	<0.02	0.02J		0.57D	
0.5 - 0.7	5B 5.5H	2B	0.44H	0.16	0.02	<0.02	<0.02J		0.63D	
0.7 - 1.1	5.4B 5.8H	2B	0.46H	0.26	0.02	<0.02	<0.02J		0.75D	
1.1 - 1.5	5.7B 6.1H	2B	0.41H	0.21	<0.02	0.02	<0.02J		0.65D	
1.5 - 1.95	5.7B 6.1H	2B	0.48H	0.25	<0.02	0.02	<0.02J		0.76D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.09		0.39D						1
3.8								
0 - 0.1		0.38D						1.2
3.7								
0.09 - 0.27		0.11D						1
4.6								
0.27 - 0.5		0.07D						1
5.1								
0.5 - 0.7		0.05D						1.1
4.9								
0.7 - 1.1		0.03D						1.1
5								
1.1 - 1.5		0.03D						1.2
5.4								
1.5 - 1.95		0.03D						1.3
6.2								

#### Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - 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
18A1_NR	Bicarbonate-extractable potassium (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
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity

P10\_1m2m      1000 to 2000u particle size analysis, (method not recorded)

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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)