Project Name: **Geraldton land resources survey**
Project Code: **GTN** **Site ID:** **1423** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	04/10/89	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6848781 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	300852 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:**	No Data
Morph. Type:	Simple-slope	**Relief:**	5 metres
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	%	**Aspect:**	No Data

Surface Soil Condition

Soft

Erosion:

Soil Classification

Australian Soil Classification:
Basic Regolithic Yellow-Orthic Tenosol

Mapping Unit: N/A
Principal Profile Form: Uc5.22
Great Soil Group: N/A

ASC Confidence:
All necessary analytical data are available.

Site

Cultivation. Rainfed

Vegetation:

Surface Coarse

Profile

A11	0 - 0.05 m	Brown (10YR5/3-Moist); ; Loamy sand; Water repellent; Field pH 6 (pH meter);
A12	0.05 - 0.15 m	Brownish yellow (10YR6/6-Moist); ; Clayey sand; Water repellent; Field pH 6 (pH meter);
A13	0.15 - 0.25 m	Brownish yellow (10YR6/6-Moist); ; Clayey sand; Field pH 6 (pH meter);
A3	0.25 - 0.35 m	Brownish yellow (10YR6/6-Moist); ; Sandy loam; Field pH 6 (pH meter);
B21	0.35 - 0.45 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Field pH 6 (pH meter);
B22	0.45 - 0.65 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Field pH 6 (pH meter);
B23	0.65 - 0.85 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Field pH 6 (pH meter);
B24	1.25 - 1.5 m	Brownish yellow (10YR6/8-Moist); ; Sandy clay loam; Field pH 6.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Yellow sand, (T.S.)

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.05	5.2B 6.1H	4B	1.01H	0.5	0.08	0.07	0.02J		1.66D	
0.05 - 0.15	5.1B 6.1H	3B	0.39H	0.24	0.12	0.13	0.02J		0.88D	
0.15 - 0.25	4.7B 5.8H	4B	0.45H	0.34	0.14	0.12	0.07J		1.05D	
0.25 - 0.35	5B 6.2H	2B	0.55H	0.58	0.15	0.11	<0.02J		1.39D	
0.35 - 0.45	5.3B 6.5H	3B	0.57H	0.63	0.256	0.21	<0.02J		1.666D	
0.45 - 0.65	5.4B 6.6H	2B	0.72H	0.52	0.17	0.18	<0.02J		1.59D	
0.65 - 0.85	5.7B 6.8H	3B	0.69H	0.48	0.1	0.3	<0.02J		1.57D	
1.25 - 1.35	5.7B 6.3H	8B	0.86H	0.54	0.09	0.39	0.02J		1.88D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.05		0.54D									1.9
3.3											
0.05 - 0.15		0.17D									3.2
5.4											
0.15 - 0.25		0.14D									2.1
8.5											
0.25 - 0.35		0.13D									1.1
9.9											
0.35 - 0.45		0.1D									1.1
12.5											
0.45 - 0.65		0.1D									1.2
13.1											
0.65 - 0.85		0.07D									1.3
13.7											
1.25 - 1.35		0.07D									1.2
12.8											

Laboratory Analyses Completed for this profile

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
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)