Project Name: Project Code: Agency Name:	Geraldton land reso GTN Site Agriculture Western	e ID: 1402 (Observation ID:	1				
Site Information	า							
Desc. By: Date Desc.: Map Ref.:	Rogers, Gary 14/02/91	Locality: Elevation: Rainfall:	150 metres 456					
Northing/Long.: Easting/Lat.: Geology	6839450 AMG zone: 50 283802 Datum: AGD84	Runoff: Drainage:	No Data Well drained					
<u>Geology</u> ExposureType: Geol. Ref.:	Auger boring No Data	Conf. Sub. is Par Substrate Materia						
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:	Undulating rises 9-30m 3- Upper-slope No Data 2 %	10% Pattern Type: Relief: Slope Category: Aspect:	Rises 25 metres No Data 270 degrees					
Surface Soil Co	ndition Hardsett	ing, Hardsetting						
Erosion:								
Soil Classificati	ion							
Australian Soil Cl Haplic Eutrophic R ASC Confidence Confidence level r	ed Kandosol	Princ	bing Unit: ipal Profile Form: t Soil Group:	N/A Gn2.15 N/A				
Site	Cultivation. Rainfed							
Vegetation: Surface Coarse Profile	1							
A11 0 - 0.13 n fabric; Dry; Firm	n Reddish brown (5Yl	R4/4-Moist); ; Sandy loam; I	Massive grade of stru	ucture; Smooth-ped				
(pH meter);		consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field pH 5.5 Abrupt change to -						
40 040 00		Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Smooth-ped						
A2 0.13 - 0.3 fabric; Dry;		Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field						
рН 5.5 (рН	meter): Clear chanc	meter); Clear change to -						
B21 0.33 - 0.7	-	Dark red (2.5YR3/6-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric;						
Dry; Firm		consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-10%,						
medium gravelly,		6-20mm, subangular, coarse fragments; Field pH 6.2 (pH meter); Clear change to -						
B22 0.7 - 0.95	-	st); ; Sandy light clay; Massi	u ,	-				
Moderately moist;	Weak consistence;	Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-						
10%, medium	gravelly, 6-20mm, s	gravelly, 6-20mm, subangular, Quartz, coarse fragments; Field pH 7 (pH meter); Clear						
change to -								
B23 0.95 - 1.6 fabric; Moderately		Yellowish red (5YR4/6-Moist); ; Sandy light clay; Massive grade of structure; Earthy						
Field pH 7 (pH		moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;						
	, -	meter); Clear change to -						
B3 1.65 - 1.8 fabric; Moderately		R4/6-Moist); ; Sandy clay lo	-	•				
fragments; Field pH		moist; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse						
Morphological	Notes	am, firm consistence, few p	oores					
	-							

A2

few porees, firm consistence.

Observation Notes

Site Notes

Loose sand in areas. Layer 3-5 lighter texture with depth. Bulked 0-10cm 2% angular qz and feldspar 2-6mm, 5yr4/6 pH

Project Name:	Geraldton	land resources	survey	
Project Code:	GTN	Site ID:	1402	0
Agency Name:	Agricultur	e Western Austr	alia	

Observation 1

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Ng	n		(+)/kg			%
0 - 0.13	4.3B 5.1H	4B	0.88H	0.17	0.25	0.03	0.28J		1.33D	
0 - 0.1	4.3B 5.1H	5B	1.01H	0.21	0.26	0.06	0.27J		1.54D	
0.13 - 0.33	4.2B 5H	4B	1.14H	0.38	0.37	0.04	0.28J		1.93D	
0.33 - 0.7	5.7B 6.4H	5B	3.06H	1.58	0.35	0.14	<0.02J		5.13D	
0.7 - 0.95	6.2B 6.9H	6B	2.67H	2.93	0.21	0.4	<0.02J		6.21D	
0.95 - 1.65	6.3B 7.2H	5B	2.6A	2.5	0.2	0.28			5.58D	
1.65 - 1.8	6.4B 7.3H	5B	2.42A	2.72	0.19	0.39			5.72D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.13 5.3		0.56D									5.9
0 - 0.1 5.7		0.5D									6
0.13 - 0.33 14.6		0.17D									7.1
0.33 - 0.7 29.8		0.18D									6
0.7 - 0.95 26.7		0.14D									7.5
0.95 - 1.65 22.6		0.1D									11.6
1.65 - 1.8 12		0.04D									9.9

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15A1_CA for soluble	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC 15A1_K for soluble	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K 15E1_MG 15E1_MN 15E1_NA 15E1_NA 15J_BASES	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases

15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
	Events and the solution is a second and (ECD). A standard from even the base of Cotions

15N1_b 18A1_NR

Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded)

Project Name: Project Code: Agency Name:	GTN Site ID: 1402 Observation 1
3_NR 4_NR 4B_AL_NR 4B1 6A1_UC 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_NR_C P10_NR_C P10_NR_Saa P10_NR_Z P10106_150 P10150_180 P10180_300 P10300_600 P106001000	Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded) 75 to 106u particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded 300 to 150u particle size analysis, (method not recorded) 106 to 150u particle size analysis, (method not recorded) 106 to 150u particle size analysis, (method not recorded) 130 to 300u particle size analysis, (method not recorded) 130 to 600u particle size analysis, (method not recorded) 600 to 1000u particle size analysis, (method not recorded)