Project Name: Project Code: Agency Name:	Three Springs Latham land resources survey TSL Site ID: 0692 Observation ID: 1 Agriculture Western Australia						
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.:	Christopher Grose 23/02/94 6686863 AMG zone: 50	Locality: Elevation: Rainfall: Runoff:	No Data No Data No Data	roined			
Easting/Lat.: <u>Geology</u> ExposureType: Geol. Ref.:	441435 Datum: AGD84 Soil pit No Data	Drainage: Rapidly drained Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data					
Landform	Undulating rises 9-30m 3-10% Mid-slope Hillslope 3 %	Pattern Type: Relief: Slope Category: Aspect:	Hills No Data No Data No Data No Data		-		
<u>Surface Soil Co</u> <u>Erosion</u> Soil Classificati							
Australian Soil Cl Basic Fluvic Orthic ASC Confidence Confidence level	lassification: c Tenosol : not specified <u>:e</u> Cultivation. Rainfed	Princip	ng Unit: oal Profile Soil Group		N/A Uc5.22 N/A		
Profile Morphol Ap 0 - 0.12 r mm, Platy; Rough- to -				•			
B 0.12 - 0.3 fabric; Dry; Abrupt, Smooth	35 m Brownish yellow (10YR6/6-1 Weak consistence; Other pa change to -	,	00	Ũ			
B 0.35 - 0.6 fabric; Dry;	C C C C C C C C C C C C C C C C C C C						
B 0.62 - 1.3 fabric; Moist;	B m Brownish yellow (10YR6/8-1 Very weak consistence; Fie		00	in grade	of structure; Earthy		
<u>Morphological</u> B B	Notes traffic pan partial traffic pan						

Observation Notes

Site Notes

Basic regolithic orthic tenosol. Traffic pan in second and part of third layers. Roots to 130cm. Well drained.

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Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou		i.		(+)/kg			%
0 - 0.12	5.2B 6H	8B	1.29H	0.45	0.22	0.04	<0.02J		2D	
0.12 - 0.35	4.5B 5.4H	2B	0.64H	0.23	0.13	<0.02	0.02J		1.01D	
0.35 - 0.65	5.3B 5.9H	2B	0.88H	0.36	0.11	<0.02	<0.02J		1.36D	
0.8 - 1	6.1B 6.4H	3B	0.84H	0.62	0.05	0.07	<0.02J		1.58D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV CS	Size Analysis FS Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3		%
0 - 0.12 6.5		0.72D		98B	0.057E			911	2.5
0.12 - 0.35 13.5		0.14D		27B	0.015E			841	2.5
0.35 - 0.65		0.09D		22B	0.01E			821	3
0.8 - 1 16		0.06D		21B	0.007E			80.51	3.5

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15E1_AL 15E1_CA salts 15E1_K 15E1_MG 15E1_MN 15E1_NA 15J_BASES 15N1_b 3_NR 4_NR 4B_AL_NR	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble 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, 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 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 Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations 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
4_NR 4B_AL_NR	
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
P10_NR_C	Clay (%) - Not recorded Sand (%) - Not recorded
P10_NR_S	
P10_NR_Z	Silt (%) - Not recorded