Project Code: TS	ree Springs Latham land L Site ID: riculture Western Austra	0348 C	ey bbservation ID:	1		
Date Desc.:19/00Map Ref.:6730Northing/Long.:6730	stopher Grose 8/93 1444 AMG zone: 50 79 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data No Data No Data			
Geology ExposureType: Soil Geol. Ref.: No [		Conf. Sub. is Pare Substrate Materia				
Landform Rel/Slope Class: Gen	tly undulating rises 9-30m 1-3	9%	Pattern Type:	Hills		
Morph. Type:No IElem. Type:HillsSlope:3 %		Relief: Slope Category: Aspect:	No Data : No Data No Data			
Surface Soil Conditi Erosion Soil Classification	on Firm					
Australian Soil Classif Haplic Calcic Red Chror ASC Confidence: Confidence level not sp	nosol ecified	Princi	ing Unit: pal Profile Form: Soil Group:	N/A Dr1.13 N/A		
Site Disturbance C Vegetation Surface Coarse Frag						
Profile Morphology Ap 0 - 0.08 m Moist; Weak	Dark brown (7.5YR3/4-Mois consistence; Field pH 6 (pH		am; Weak grade of	structure, 5-10 mm, ;		
A11 0.08 - 0.2 m Subangular	Red (2.5YR4/6-Moist); ; Coa	arse sandy clay loan	-			
A3 0.2 - 0.27 m Wet; Weak	Red (2.5YR4/6-Moist); Mott consistence; Field pH 6.8 (p			t; Sandy clay loam;		
B1 0.27 - 0.47 m Moist; Very firm	Red (2.5YR4/6-Moist); , 5Yf consistence; Field pH 7 (pH			e sandy light clay;		
B2t 0.47 - 1.3 m Moderate grade	Yellowish red (5YR5/8-Mois			t; Sandy light clay;		
calcareous; Field pH	of structure, 20-50 mm, Pris		onsistence; Soil ma	trix is Slightly		
BC 1.3 - 1.5 m 15-30mm,	Light grey (10YR7/2-Moist);	0	15-30mm, Prominen	nt; , 7.5YR56, 10-20% ,		
1.5 - m	Prominent; Coarse sandy lig ; Coarse sandy light clay;	ght clay; Moist; Firm	consistence; Field p	oH 9.5 (pH meter);		
Morphological Note A11 A3 B1 B2t BC Observation Notes	S Release additional moisture Release additional moisture Dries to be very firm. Clay skins on ped faces. Lenses of redder material or	on working.	of weathered gravel	I.		

## **Observation Notes**

## Site Notes

Gently undulating rises with broad almost level valley floors. Fine roots throughout top two horizons to 100cm. NOT A TEXTURE

CONTRAST not a Chromosol

Project Name:	Three Sprin	gs Latham land	d resourd	ces survey	
Project Code:	TSL	Site ID:	0348	Observation	1
Agency Name:	Agriculture	Western Austr	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mq	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	wig	N		(+)/kg			%
0 - 0.08	4.8B 5.8H	6B	2.64H	0.9	0.27	0.1	0.12J		3.91D	
0.08 - 0.2	5.7B 7H	4B	2.9A	1.34	0.08	0.37			4.69D	
0.2 - 0.27	5.5B 7H	6B	1.73A	1.58	0.07	0.76			4.14D	
0.35 - 0.45	5.8B 7.2H	15B	2.64A	4.49	0.17	2.75			10.05D	
0.8 - 0.9	8.2B 9.1H	54B	2.96E	7.06	0.34	5.72		19B	16.08D	30.11
1.35 - 1.5	8.5B 9.6H	44B	1.65E	5.38	0.35	4.63		14B	12.01D	33.07

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV I	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.08 11.6		0.88D		190B	0.061E						5
0.08 - 0.2 16.7		0.47D		79B	0.024E						5
0.2 - 0.27		0.37D		60B	0.021E						4.9
0.35 - 0.45 31.2		0.21D		49B	0.019E						3.6
0.8 - 0.9 47.8	2C	0.11D		50B	0.013E						4.8
1.35 - 1.5 39.7	<2C	0.05D		45B	0.007E						4.3

## 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
	salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15C1_CA pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
•	soluble salts
15C1_CEC 15C1_K soluble salts	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for

15E1_AL	Exchangeable AI - 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

ated from available using
able using CEC able using Sum of Cations orded