

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0696 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Christopher Grose	Locality:
Date Desc.: 22/03/94	Elevation: No Data
Map Ref.:	Rainfall: No Data
Northing/Long.: 6719979 AMG zone: 50	Runoff: No Data
Easting/Lat.: 374195 Datum: AGD84	Drainage: Rapidly drained

Geology

ExposureType: Soil pit	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Landform

Rel/Slope Class: Undulating rises 9-30m 3-10%	Pattern Type: Hills
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: No Data
Slope: %	Aspect: No Data

Surface Soil Condition Loose

Erosion

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Basic Regolithic Brown-Orthic Tenosol	Principal Profile Form: Uc5.22
ASC Confidence:	Great Soil Group: N/A

All necessary analytical data are available.

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments No surface coarse fragments; No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy sand; Earthy fabric; Dry; Very weak consistence; Water repellent; Field
		pH 4.8 (pH meter); Clear change to -
B1	0.1 - 0.3 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Earthy fabric; Dry; Very weak consistence; Field pH 4.6
		(pH meter); Gradual change to -
B21	0.3 - 1.5 m	Yellowish brown (10YR5/8-Moist); ; Clayey sand; Earthy fabric; Dry; Very weak consistence; Field pH 5.8
		(pH meter); Gradual change to -
B22	1.5 - 2 m	Yellowish brown (10YR5/8-Moist); ; Clayey sand; Earthy fabric; Dry; Very weak consistence; Field pH 5.9
		(pH meter);
	2 - m	; Clayey sand;

Morphological Notes

Observation Notes

Site Notes

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0696 **Observation** 1
Agency Name: Agriculture Western Australia

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 - 0.1	5B 5.8H	6B	1.8H	0.35	0.24	0.06	0.02J		2.45D	
0.1 - 0.3	4.1B 5H	2B	0.55H	0.15	0.11	0.02	0.13J		0.83D	
0.5 - 0.75	5.4B 6.2H	1B	0.83H	0.3	0.05	0.02	<0.02J		1.2D	
1.25 - 1.5	6.1B 6.6H	2B	0.79A	0.62	0.06	<0.02			1.48D	
2 - 2.25	6.1B 6.6H	2B	0.74A	0.56	0.07	0.06			1.43D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		1D		95B	0.082E			92.5I 2
5.5								
0.1 - 0.3		0.15D		35B	0.016E			86.5I 1.5
12								
0.5 - 0.75		0.06D		20B	0.01E			84I 2
14								
1.25 - 1.5		0.05D		20B	0.009E			81.5I 2.5
16								
2 - 2.25		0.04D		20B	0.007E			81.5I 2.5
16								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
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
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
P10_NR_C	Clay (%) - Not recorded

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0696 **Observation** 1
Agency Name: Agriculture Western Australia

P10_NR_S Sand (%) - Not recorded
P10_NR_Z Silt (%) - Not recorded