

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0690 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Christopher Grose	Locality:	
Date Desc.:	21/03/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6726746 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	369901 Datum: AGD84	Drainage:	No Data

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:	No Data
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Loose

Erosion (wind); (scald) (sheet) (wave) (rill) (mass)
(gully) (stbank) (tunnel)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Red Regolithic Orthic Tenosol	Principal Profile Form:	Uc4.21
ASC Confidence:	Great Soil Group:	N/A
Confidence level not specified		

Site Disturbance Cultivation. Rainfed

Vegetation

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

Profile Morphology

Ap1	0 - 0.12 m	Yellowish brown (10YR5/4-Moist); ; Loamy sand; Loose consistence; Water repellent; Field pH 6.4 (pH meter); Sharp change to -
A2	0.12 - 0.35 m	Brownish yellow (10YR6/6-Moist); ; Clayey sand; Loose consistence; Field pH 5 (pH meter); Gradual change to -
B11	0.35 - 0.72 m	Brownish yellow (10YR6/8-Moist); ; Clayey sand; Loose consistence; Field pH 6.4 (pH meter); Gradual change to -
B2	0.72 - 1.6 m	Brownish yellow (10YR6/8-Moist); ; Clayey sand; Loose consistence; Field pH 6.4 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Deep pale poor sand. Basic Regolithic Orthic Tenosol.

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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 - 0.12	5.3B 6H	4B	0.96H	0.17	0.06	0.03	<0.02J		1.22D	
0.12 - 0.35	4.4B 5.2H	1B	0.21H	0.06	0.06	0.02	0.05J		0.35D	
0.35 - 0.72	4.4B 5.2H	1B	0.18H	0.06	0.05	<0.02	0.06J		0.3D	
0.8 - 1.2	5.2B 6H	1B	0.34H	0.11	0.11	<0.02	<0.02J		0.57D	

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 - 0.12		0.5D		71B	0.036E			97I 1
0.12 - 0.35		0.11D		27B	0.011E			97.5I 0.5
0.35 - 0.72		0.05D		17B	0.007E			96.5I 1
0.8 - 1.2	<2C	0.04D		10B	0.007E			94I 1

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
19B_NR	Calcium Carbonate (CaCO3) - 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
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded