

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0324 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Christopher Grose	Locality:	
Date Desc.:	09/08/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6735908 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	452823 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Hills

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

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Regolithic Sequi-Nodular Tenosol		Principal Profile Form:	Uc5.22
ASC Confidence:		Great Soil Group:	N/A
No analytical data and little or no knowledge of this soil.			

Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments

Profile Morphology

Ap	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Weak consistence; Field pH 5.7 (pH meter);
Clear, Wavy		change to -
A3	0.15 - 0.25 m	Yellowish brown (10YR5/6-Moist); ; Sandy loam; Weak consistence; Field pH 5.3 (pH meter);
B2	0.25 - 1.2 m	Yellowish brown (10YR5/8-Moist); ; Sandy loam; Weak consistence; 50-90%, Ironstone, coarse
		fragments; Field pH 5 (pH meter);
	1.2 - m	;

Morphological Notes

Observation Notes

Site Notes

Gravels slightly coarser with depth. Common fine roots to 100cm.

Project Name: Three Springs Latham land resources survey
Project Code: TSL **Site ID:** 0324 **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	4.2B 5H	4B	0.82H	0.16	0.1	0.07	0.64J		1.15D	
0.35 - 0.45	4B 4.6H	6B	0.5H	0.16	0.06	0.08	0.87J		0.8D	
0.75 - 0.85	4B 4.5H	4B	0.24H	0.05	0.04	0.03	1.24J		0.36D	

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		1.18D		120B	0.06E			3.5
11.9								
0.35 - 0.45		0.39D		49B	0.031E			3.7
20.2								
0.75 - 0.85		0.22D		40B	0.022E			5.1
21.7								

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
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
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
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)