Project Name: Three Springs Latham land resources survey

Project Code: Site ID: 0349 Observation ID: 1 TSL

Agriculture Western Australia **Agency Name:**

Site Information

Desc. By: Christopher Grose Locality:

Date Desc.: 19/08/93 Elevation: No Data Map Ref.: Rainfall: No Data

Northing/Long.: 6717758 AMG zone: 50 Runoff: No Data Easting/Lat.: 424958 Datum: AGD84 Drainage: Rapidly drained

Geology

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

Landform

Pattern Type: Rel/Slope Class: Gently undulating plains <9m 1-3% Hills

Morph. Type: No Data Relief: No Data Elem. Type: Hillslope Slope Category: No Data Aspect: 2 % No Data Slope:

Surface Soil Condition Soft

Erosion

Soil Classification

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

All necessary analytical data are available. Site Disturbance Cultivation. Rainfed

Vegetation

Surface Coarse Fragments

Profile Morphology

Ар 0 - 0.1 m Yellowish brown (10YR5/6-Moist); ; Loamy sand; Dry; Very weak consistence; Field pH 6

(pH meter);

Brownish yellow (10YR6/6-Moist); ; Clayey sand; Moderately moist; Weak consistence; B1 0.1 - 0.3 m

Cultivation pan;

Field pH 6.8 (pH meter);

B2 Brownish yellow (10YR6/8-Moist); ; Clayey sand; Moist; Very weak consistence; Field pH 0.3 - 1.4 m

7.2 (pH meter);

1.4 - m ; Clayey sand;

Morphological Notes

Observation Notes

Site Notes

Roots penetrate to 120 cm. Deep good yellow sand.

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Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	ole Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	-	9			(+)/kg			%
0 - 0.1	5.2B 6.3H 5.5B	2B	0.86H	0.32	0.12	0.03	0.04J		1.33D	
0 - 0.1	5.2B 6.3H 5.5B	2B	0.86H	0.32	0.12	0.03	0.04J		1.33D	
0.1 - 0.35	5.4B 6.1H	1B	0.68H	0.21	0.06	0.02	<0.02J		0.97D	
0.15 - 0.25 0.4 - 0.5	5.4B 5.7B									
0.45 - 0.55	5.7B 6.1H	1B	0.71H	0.29	0.04	0.02	0.02J		1.06D	
0.9 - 1	5.8B 6.1H	2B	0.53H	0.45	0.03	0.02	<0.02J		1.03D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 7.6		0.39D		110B	0.024E						1.7
0 - 0.1 7.6		0.39D		110B	0.024E						1.7
0.1 - 0.35 12.4 0.15 - 0.25 0.4 - 0.5		0.09D		25B	0.006E						2.2
0.45 - 0.55 12.6		0.05D		21B	0.003E						2.4
0.9 - 1 12.5		0.04D		19B	0.002E						2.6

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded
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	Excitatigeable bases (Gaz+, wgz+, wa+, x+) by compatible excitatings, no pretioautient for soluble
15E1 K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_K 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

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P10_NR_Z P10106_150 P10150_180 Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 180 to 1800 particle size analysis, (method not recorded)
180 to 300u particle size analysis, (method not recorded)
300 to 600u particle size analysis, (method not recorded)
600 to 1000u particle size analysis, (method not recorded) P10180_300 P10300_600 P106001000