Project Name: Project Code: Agency Name:	Three Springs Latham land TSL Site ID: Agriculture Western Austr	0001 O	y bservation ID:	1					
Site Information									
Desc. By: Date Desc.:	Christopher Grose 30/03/93	Locality: Elevation:	265 metres						
Map Ref.:	6749775 AMC zono: 50	Rainfall:	No Data No Data						
Northing/Long.: Easting/Lat.:	6748775 AMG zone: 50 374767 Datum: AGD84	Runoff: Drainage:	No Data						
Geology	0-1-1	Oracle Orale in Dama		_					
ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Material							
Landform									
Rel/Slope Class:	Gently undulating plains <9m 1-3	3%	Pattern Type:	Plain					
Morph. Type:	Flat Plain	Relief:	No Data No Data						
Elem. Type: Slope:	%	Slope Category: Aspect:	No Data						
Surface Soil Co	ndition Firm								
Erosion Soil Classificati	on								
Australian Soil Cla		Маррі	ng Unit:	N/A					
Haplic Hypercalcic	Red Chromosol	Princi	pal Profile Form:	Dr4.13					
ASC Confidence: Confidence level r		Great	Soil Group:	N/A					
	e Cultivation. Rainfed								
Vegetation Surface Coarse	Fragmonts 2 10% modium	gravelly, 6-20mm, su	hangular Ironatana						
Profile Morphol		gravelly, 0-201111, su							
A 0-0.1 m		Dark reddish brown (5YR3/3-Moist); ; Loam; Strong grade of structure, 50-100 mm,							
Angular blocky;	Rough-ped fabric; Dry; Ver	Rough-ped fabric; Dry; Very firm consistence; Field pH 7.5 (pH meter); Sharp, Smooth							
change to -									
В 0.1 - 0.19	m Dark reddish brown (5YR3	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm,							
Angular	· ·								
walls coated;		blocky; Rough-ped fabric; Dry; Strong consistence; Few cutans, <10% of ped faces or							
meter); Sharp,	Many (20 - 50 %), Ferroma	Many (20 - 50 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH							
	Smooth change to -	Smooth change to -							
B2 0.19 - 0.3 Angular blocky;	5 m Reddish brown (5YR4/4-M	Reddish brown (5YR4/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm,							
	Rough-ped fabric; Dry; Stro	Rough-ped fabric; Dry; Strong consistence; Many cutans, >50% of ped faces or walls							
coated; Many (20 -	50 %), Ferromanganiferou	50 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Field pH 8.5 (pH meter);							
Gradual, Wavy	change to -	change to -							
B22 0.35 - 1.4	m Yellowish red (5YR5/8-Moi	Yellowish red (5YR5/8-Moist); Reddish yellow (5YR7/6-Moist); ; Light clay; Massive grade							
of structure;	Drv. Weak consistence: Ve	Dry; Weak consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Fragments;							
Few (2 - 10 %),									
Field pH 10 (pH	·	Calcareous, Fine (0 - 2 mm), Soft segregations; Soil matrix is Very highly calcareous;							
	,	meter);							
Morphological N B22	Notes Considerable soft powdry c	arbonates							
Observation No.									

Observation Notes

Site Notes

Project Name:	Three Springs Latham land resources survey				
Project Code:	TSL	Site ID:	0001	Observation	1
Agency Name:	Agriculture	Western Austra	alia		

Laboratory Test Results:

Depth	рН	1:5 EC		:hangeable Mg	e Cations K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	Ga	ing	ĸ	Cmol (+)/kg			%
0 - 0.1	6.7B 7.7H	10B	12.59A	4.33	1.77	0.29		18.98D	
0.1 - 0.19	7B 8.3H	5B	13.04E	4.18	1.16	0.28	21B	18.66D	1.33
0.19 - 0.35	7.6B 8.6H	8B	15.33E	5.04	0.7	0.42	23B	21.49D	1.83
0.35 - 0.9	8.2B 9.4H	22B	7.03E	5.17	0.22	1.2	13B	13.62D	9.23
0.9 - 1.4	8.5B 9.9H	43B	1.72E	4.93	0.36	2.81	9B	9.82D	31.22

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 19.4		1.31D		200B	0.118E					14.3
0.1 - 0.19 35		0.5D		120B	0.054E					9.9
0.19 - 0.35	2C	0.4D		110B	0.047E					9.6
38.6 0.35 - 0.9 31.5	37C	0.19D		95B	0.03E					28.3
0.9 - 1.4 21.8	63C	0.1D		40B	0.013E					45.5

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
15A1_CEC 15A1_K for soluble	salts 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
15A1_MG for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment 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
15J_BASES 15L1_a Sum of Cations	Sum of Bases Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using

15N1_a 15N1_b 18A1_NR 19B_NR 3_NR 4_NR	and measured clay Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded) Calcium Carbonate (CaCO3) - Not recorded Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded
	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct

Project Name: Project Code: Agency Name:	TSL Site ID: 0001 Observation 1
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m P10_20_75	1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded)
P10_20_75 P10_75_106	75 to 106 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)