Project Name: Project Code: Agency Name:	Tambellup Borden land res TBO Site ID: Agriculture Western Austra	1389 O	Observation ID:	1						
Site Information	n									
Desc. By: Date Desc.: Map Ref.:	Angela Stuart-Street 07/06/00	Locality: Elevation: Rainfall:	No Data No Data							
Northing/Long.: Easting/Lat.: <u>Geology</u>	6215964 AMG zone: 50 620592 Datum: AGD84	Runoff: Drainage:	No Data Well drained							
ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Materia								
Landform										
Rel/Slope Class: Morph. Type: Elem. Type: Slope:	Undulating rises 9-30m 3-10% Mid-slope Hillslope 4 %	Pattern Type: Relief: Slope Category: Aspect:	Rises No Data No Data 0 degrees							
Surface Soil Co			5 5							
Erosion (wind	d); (scald) (sheet) (wave) (rill) (m) (stbank) (tunnel)	ass)								
Soil Classificat	ion									
ASC Confidence	d-Mesonatric Brown Sodosol	Princi	ing Unit: ipal Profile Form: Soil Group:	N/A N/A N/A						
Confidence level										
	cultivation. Rainfed									
Vegetation		6 / N								
Surface Coarse		se fragments; No sur	tace coarse tragmer	nts						
A1p 0 - 0.2 m Sandy (grains		/2-Moist); ; Loamy s	and; Single grain gra	ade of structure;						
	prominent) fabric; Moderate	prominent) fabric; Moderately moist; Loose consistence; Strongly water repellent, "Field								
рН 5.8 (рН	meter); Clear, Smooth chan	meter); Clear, Smooth change to -								
A21e 0.2 - 0.3 prominent) fabric;		Greyish brown (2.5Y5/2-Moist); ; Sand; Single grain grade of structure; Sandy (grains								
to -	Moderately moist; Loose co	Moderately moist; Loose consistence; Field pH 6.4 (pH meter); Abrupt, Smooth change								
B21 0.3 - 0.5 grade of	m Brown (10YR4/3-Moist); , 2	Brown (10YR4/3-Moist); , 2.5YR48, 20-50% , 5-15mm, Prominent; Medium clay; Massive								
Smooth change to -		structure; Earthy fabric; Moist; Weak consistence; Field pH 7.1 (pH meter); Gradual,								
B22 0.5 - 0.7	m Dark yellowish brown (10YF	R4/4-Moist); , 2.5YR4	48, 10-20% , 5-15mr	n, Distinct; Sandy						
medium clay;	Massive grade of structure;	Massive grade of structure; Earthy fabric; Moist; Firm consistence; Field pH 8 (pH meter);								
Gradual,	Wavy change to -									
B31k 0.7 - 1.1 of structure, 2-5		Olive yellow (5Y6/6-Moist); , 7.5YR58, 2-10% , 0-5mm, Faint; Medium clay; Weak grade								
	mm, Polyhedral; Earthy fab	rıc; Moıst; Field pH 8	5.6 (pH meter);							
1.25 - 1.6										
Morphological B31k	Notes Calcium carbonate in this lay	yer 5.								
Observation No	, tos									

Observation Notes

Site Notes

Site midslope - rock outcrops; weathered granite 20m from site. Broad sand patch beyond that.

Project Name: Tambellup Borden land resources survey

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Agency Name:	Agriculture	Western Austr	alia		

Laboratory Test Results:

Depth	pН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou		n		(+)/kg			%
0 - 0.12	4.3B 5A	25A	2.67H	0.7	0.1	0.38	0.38J		3.85D	
0.12 - 0.5	5.4B 6.4A	2A	1.14H	0.27	0.06	0.06	0.02J		1.53D	
0.5 - 0.9	5.6B 6.9A 5.6B 6.9A	7A	3.14A 3.14A	3.27 3.27	0.93 0.93	0.36 0.36			7.7D 7.7D	
0.5 - 0.9	5.6B 6.9A 5.6B 6.9A	7A	3.14A 3.14A	3.27 3.27	0.93 0.93	0.36 0.36			7.7D 7.7D	
0.9 - 1.25	8.3B 9.4A	28A	3.29E	4.68	3.36	0.63		13B	11.96D	4.85
1.25 - 1.6	8.4B 9.6A	27A	2.66E	5.1	5.94	0.81		16B	14.51D	5.06

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 - 0.12 4.8		2.04A									3.1
0.12 - 0.5 3.5		0.16A									1.8
0.5 - 0.9 35.3		0.32A									2.6
		0.32A 35.3									2.6
0.5 - 0.9 35.3		0.32A									2.6
		0.32A 35.3									2.6
0.9 - 1.25 40.9	2.5C	0.05A									5.2
1.25 - 1.6 41.3	<2C	0.04A									20.4

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
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_CEC 15A1_K	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
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 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	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

soluble salts

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
15E1_AL	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts

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15E1_CA salts	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1 K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble saits
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	
Call of Callono	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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B_AL	Aluminium in 1:5 soil/0.01M calcium chloride extract - following Method 4A1
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1	Organic carbon - Walkley and Black
9A_S14	Total element - P(%) method S14 CCWA
911	Phosphate sorption index
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75a	20 to 75u particle size analysis, (arithmetic difference)
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)