Project Name: Project Code: Agency Name:	Tambellup Borden land re TBO Site ID: Agriculture Western Austr	1379 O	bservation ID:	1
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	1 Angela Stuart-Street 25/05/99 6229577 AMG zone: 50 588279 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data Well drained	
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Material		
<u>Landform</u> Rel/Slope Class:	Gently undulating rises 9-30m 1-	3%	Pattern Type:	Rises
Morph. Type: Elem. Type: Slope: Surface Soil Cc	Mid-slope Hillslope 2 % Indition Loose	Relief: Slope Category: Aspect:	No Data No Data 135 degrees	
	d); (scald) (sheet) (wave) (rill) (n) (stbank) (tunnel)	nass)		
ASC Confidence All necessary ana	assification: ed-Mesonatric Yellow Sodosol : lytical data are available. :e Cultivation. Rainfed	Princi	ng Unit: pal Profile Form: Soil Group: brounded, Ironstone	N/A N/A N/A
Profile Morpho A1p 0 - 0.1 m 2-10%, fine		,		
change to - A21ec 0.1 - 0.4 fine gravelly, 2- B21 0.4 - 0.6	6mm, subrounded, Ironsto	ne, coarse fragments;	Abrupt, Smooth ch	ange to -
, 5-15mm, Moist; Weak	Prominent; Medium clay; M consistence; Clear, Wavy o	-	ture; Sandy (grains	prominent) fabric;
B22 0.6 - 0.8 10-20% , 5- Moist; Weak	15mm, Prominent; Medium	n clay; Weak grade of		
B23 0.8 - 1 m Massive grade change to -	consistence; Clear, Smootl Light brownish grey (2.5Y6 of structure; Sandy (grains	5/3-Moist); , 10YR68, 1		
B31 1 - 1.4 m Massive grade of to -	Light yellowish brown (2.5) structure; Sandy (grains pr			
B32 1.4 - 1.8 15mm, Distinct;	m Light grey (2.5Y7/2-Moist); Heavy clay; Massive grade			

consistence;

Abrupt, Smooth change to -

B33 30mm.	1.8 - 1.9 m	Pale yellow (2.5Y7/3-Moist); , 2.5Y66, 10-20% , 15-30mm, Distinct; , 5YR34, 10-20% , 15-
Firm		Distinct; Heavy clay; Massive grade of structure; Sandy (grains prominent) fabric; Moist;
		consistence;

Morphological Notes

Observation Notes

Site Notes

near to crest of low broad rise - located where site TBO 0849 done.

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Laboratory Test Results:

Depth	pH	1:5 EC	Fr	changeabl	e Cations		Exchangeable	CEC	ECEC	ESP
Deptil	pri	1.0 20	Ca	Mg	K	Na	Acidity	010	LOLO	201
m		dS/m		0		Cmol	(+)/kg			%
0 - 0.1	4.8B 5.6A	7A	1.22H	0.29	0.07	0.06	0.05J		1.64D	
0.1 - 0.4	4.6B 5.5A	2A	0.33H	0.05	0.02	0.04	0.06J		0.44D	
0.4 - 0.6	4.8B 6.1A	11A	1.31H	3.92	0.09	1.23	0.18J		6.55D	
0.6 - 0.8	4.7B 6.2A	11A	0.68H	4.82	0.08	1.74	0.22J		7.32D	
0.8 - 1	5.7B 6.9A	18A	0.66A	7.1	0.22	3.12			11.1D	
1 - 1.4	6.8B 8.2A	21A	0.74A	7.95	0.26	4.64			13.59D	
1.4 - 1.8	7B 8.4A	23A	0.68E	7.59	0.26	6.6		18B	15.13D	36.67
1.8 - 1.9	7.1B 8.4A	36A	0.71E	8.47	0.27	9.61		21B	19.06D	45.76

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 1.5		0.78A									2
0.1 - 0.4 1.5		0.13A									1.1
0.4 - 0.6 36		0.25A									1.1
0.6 - 0.8 32.5		0.2A									1.2
0.8 - 1 39.3		0.1A									1.7
1 - 1.4 47.5		0.08A									2.5
1.4 - 1.8 55.4		0.06A									4.3
1.8 - 1.9 61.9		0.05A									9.6

Laboratory Analyses Completed for this profile

15_NR_BSaExchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available15_NR_CMRExchangeable bases (Ca/Mg ratio) - Not recorded15A1_CAExchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment

for soluble	
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
15C1_CA pretreatment for	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_CEC 15C1_K soluble salts	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
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_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
15L1 a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	
	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
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)