Project Name: Project Code: Agency Name:	Tambellup Borden land re TBO Site ID: Agriculture Western Aust	1383 O	bservation ID:	1
Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Angela Stuart-Street 26/05/99 6218070 AMG zone: 50 570488 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data Imperfectly draine	d
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	Conf. Sub. is Pare Substrate Materia		
<u>Landform</u> Rel/Slope Class:	Gently undulating rises 9-30m 1	-3%	Pattern Type:	Rises
Morph. Type: Elem. Type: Slope: <u>Surface Soil Co</u> l	Mid-slope Hillslope 2 % ndition Soft	Relief: Slope Category: Aspect:	No Data No Data 0 degrees	
Erosion (wind	); (scald) (sheet) (wave) (rill) ( (stbank) (tunnel)	mass)		
ASC Confidence: Confidence level n Site Disturbance	assification: d-Mesonatric Grey Sodosol	Princi	ng Unit: pal Profile Form: Soil Group:	N/A N/A N/A
Vegetation Surface Coarse gravelly, 6-20mm, su	Fragments 10-20%, mediu bangular, Quartz; 2-10%, cobbly 200mm, subrou		ubrounded, Granite	; 10-20%, medium
Profile Morphole A1p 0 - 0.1 m structure; Sandy subrounded, Quartz, fragments; Water	Very dark greyish brown ( (grains prominent) fabric;	Dry; Loose consistenc	e; 10-20%, fine grav	velly, 2-6mm,
A21e 0.1 - 0.2 n (grains prominent) Ironstone, coarse		ist); ; Coarse sand; Sir stence; 10-20%, medi		
B21 0.2 - 0.5 n 2.5YR36, 10- Subangular blocky; №	n Light brownish grey (2.5Y 20% , 5-15mm, Distinct; S	6/3-Moist); Mottles, 10 Sandy medium clay; W	eak grade of structu	
B22t 0.5 - 0.9 n Mottles, 10YR66, 2- blocky; Moist; Weak	n Light brownish grey (2.5Y 10% , 15-30mm, Faint; Mo	6/2-Moist); Mottles, 5Y edium clay; Weak grad	′R46, 10-20% , 5-15	
B31 0.9 - 1.3 n Light clay; Gradual, Wavy	n Light brownish grey (2.5Y Moderate grade of structu	6/2-Moist); Mottles, 2.		
B32 1.3 - 1.6 n clay; Wavy change to -	change to - Light brownish grey (2.5Y Moderate grade of structu			

# Morphological Notes

# **Observation Notes**

## Site Notes

Site mid slope on rise. Granite rocks scattered across paddock surface & larger piles of boulders clumped upslope. Suspect Calcium carbonate in layers 5 & 6, no response to acid. Pit done at site TBO #0915. Water level & EC (measured later)

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# Laboratory Test Results:

Depth	рН	1:5 EC	Ex Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	0a	wg	ĸ		(+)/kg			%
0 - 0.1	4.5B 5.2A	11A	2.97H	0.59	0.05	0.24	0.45J		3.85D	
0.1 - 0.2	5B 6.1A	2A	0.46H	0.18	0.04	0.06	0.07J		0.74D	
0.2 - 0.5	6B 7.2A	10A	1.55A	4.24	0.14	1.23			7.16D	
0.5 - 0.9	5.2B 6.2A	30A	0.7H	4.77	0.2	2.01	0.02J		7.68D	
0.9 - 1.3	4.3B 5A	55A	0.26H	4.58	0.24	2.6	0.13J		7.68D	
1.3 - 1.6	4.1B 4.7A	70A	0.18H	4.87	0.25	3.32	0.18J		8.62D	

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 6		1.73A									4.4
0.1 - 0.2 2.4		0.17A									2.9
0.2 - 0.5 46.2		0.17A									2.5
0.5 - 0.9 51.6		0.2A									2.8
0.9 - 1.3 53.2		0.11A									8.6
1.3 - 1.6 49.5		0.14A									13.2

### Laboratory Analyses Completed for this profile

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

Project Name: Project Code: Agency Name:	TBO Site ID: 1383 Observation
9A_S14 911 P10_1m2m P10_20_75a P10_75_106 P10_NR_C P10_NR_Saa P10_NR_Z P10106_150 P10150_180 P10150_180 P10180_300 P10300_600 P106001000	Total element - P(%) method S14 CCWA Phosphate sorption index 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (arithmetic difference) 75 to 106u particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded arithmetic difference, auto generated Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u 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)