Project Name: Project Code: Agency Name:	Tambellup Borden land res TBO Site ID: Agriculture Western Austra	1376 O	bservation ID:	1					
Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Melanie Roberts 28/01/99 6202370 AMG zone: 50 597460 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data Moderately well dr	rained					
Geol. Ref.:	Soil pit No Data	Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data							
Morph. Type:	Undulating rises 9-30m 3-10% Upper-slope Hillslope 3 % ndition Loose	Pattern Type: Relief: Slope Category: Aspect:	Rises No Data No Data No Data						
Erosion (wind)	); (scald) (sheet) (wave) (rill) (ma	ass)							
(guily) Soil Classificatio	(stbank) (tunnel) <b>on</b>								
ASC Confidence:	c Yellow Chromosol	Princij	ng Unit: pal Profile Form: Soil Group:	N/A N/A N/A					
	e Cultivation. Rainfed								
Vegetation Surface Coarse 200mm, subrounded		60-200mm, subround	ded, Sandstone; 2-1	0%, cobbly, 60-					
Profile Morphole A1c 0 - 0.12 m structure; 2-10%,		,							
A2ec 0.12 - 0.4	m Light yellowish brown (10YF	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey fine sand; Single grain grade of							
structure; 20-	50%, medium gravelly, 6-20	50%, medium gravelly, 6-20mm, subrounded, Ironstone, coarse fragments; 20-50%,							
coarse gravelly, 20-	60mm, subrounded, Sandst	60mm, subrounded, Sandstone, coarse fragments; Clear, Smooth change to -							
B21t 0.4 - 0.7 m medium clay;	n Brownish yellow (10YR6/6-I	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Prominent; Light							
mediam ciay,	Moderate grade of structure	Moderate grade of structure, 50-100 mm, Polyhedral; Clear change to -							
B22t 0.7 - 1.2 m 2.5YR46, 10-20% , 5	Light grey (10YR7/2-Moist); Mottles, 10YR66, 20-50% , 30-mm, Distinct; Mottles,								
change to -		15mm, Prominent; Medium clay; Strong grade of structure, 20-50 mm, Polyhedral; Clear							
B23t 1.2 - 1.75	m Light grey (2.5Y7/1-Moist); I	Light grey (2.5Y7/1-Moist); Mottles, 2.5YR46, 2-10% , 15-30mm, Prominent; Mottles,							
10YR68, 10-20% ,	0-5mm, Distinct; Light medi	0-5mm, Distinct; Light medium clay; Strong grade of structure, 50-100 mm, Polyhedral;							
Morphological N	lotes								
Observation Not	tes								
<u>Site Notes</u> Samples taken for chemical analysis.									
Project Name: Project Code: Agency Name:	Tambellup Borden land res TBO Site ID: Agriculture Western Austra	1376 O	bservation 1	I					

Depth	рН	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP
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m		dS/m	Ca	Mg	К	Na Cmol (+	Acidity •)/kg	
0 - 0.12	4.4B 5.2A	18A	1.54H	0.43	0.2	0.34	0.18J	2.51D
0.12 - 0.4	4.6B 5.8A	2A	0.34H	0.11	0.04	0.05	0.12J	0.54D
0.4 - 0.6	5.1B 6.2A	11A	0.43H	5.24	0.2	1.27	0.08J	7.14D
0.75 - 1.15	4.9B 5.8A	32A	0.04H	4.2	0.11	2.29	0.08J	6.64D
1.25 - 1.6	4.8B 5.7A	54A	0.05H	3.46	0.08	2.7	0.03J	6.29D

%

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV I	Particle S CS	ize / FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.12 1.9		1.66A									2.4
0.12 - 0.4 3.7		0.25A									2.7
0.4 - 0.6 65.5		0.3A									2.4
0.75 - 1.15 45.2		0.1A									5
1.25 - 1.6 37.1		0.07A									13.6

## Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15E1_AL 15E1_CA salts	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable AI - by compulsive exchange, no pretreatment for soluble 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 15E1_MN	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts 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
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
9I1	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)