Project Name: Regional

Project Code: Site ID: Observation ID: 1 REG T74

Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: R.F. Isbell Locality: Yarraden turn off on Coen Road:6.4KM from Yarraden:

Date Desc.: 228 metres 20/07/68 Elevation: Sheet No.: 7569 1:100000 Map Ref.: Rainfall: 1150 Northing/Long.: 143.35694444444 Runoff: Very slow Easting/Lat.: -14.364722222222 Drainage: No Data

Geology

ExposureType: Conf. Sub. is Parent. Mat.: No Data Auger boring

Geol. Ref.: SĎk **Substrate Material:** Auger boring, 1.3 m deep, Unconsolidated

material (unidentified)

Land Form

Rel/Slope Class: Gently undulating rises 9-30m Pattern Type: Alluvial fan

1-3%

Morph. Type: Crest Relief: 15 metres Elem. Type: Very gently sloped No Data Slope Category: Plain

0 % Slope: Aspect:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: N/A **Mapping Unit:** Basic Regolithic Bleached Tenosol **Principal Profile Form:** Uc2.23 **ASC Confidence: Great Soil Group:** Siliceous sand

All necessary analytical data are available.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus tetrodonta, Eucalyptus dichromophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Dark grey (10YR4/1-Moist); Grey (10YR5/1-Dry); ; Sand; Single grain grade of structure; Very weak consistence; ManyClear change to -
A12	0.1 - 0.2 m	Grey (10YR5/1-Moist); Grey (10YR6/1-Dry); ; Sand; Single grain grade of structure; Very weak consistence; FewClear change to -
A2	0.2 - 0.3 m	Brownish yellow (10YR6/5-Moist); Yellow (10YR7/5-Dry); ; Sand; Single grain grade of structure; Very weak consistence; Few
A2	0.3 - 0.6 m	Brownish yellow (10YR6/5-Moist); Yellow (10YR7/5-Dry); ; Sand; Single grain grade of structure; Very weak consistence; Gradual change to -
AB	0.6 - 0.9 m	Very pale brown (10YR7/3-Moist); Very pale brown (10YR8/3-Dry); ; Sand; Single grain grade of structure; Very weak consistence; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
AB	0.9 - 1.2 m	Very pale brown (10YR7/3-Moist); Very pale brown (10YR8/3-Dry); ; Sand; Single grain grade of structure; Very weak consistence; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Clear change to -
С	1.2 - 1.3 m	Very pale brown (10YR7/3-Moist); Very pale brown (10YR8/3-Dry); ; Sand; Single grain grade of structure; Loose consistence; 20-50%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

YARRADEN

Project Name: Project Code: Agency Name:

Regional REG Site ID: T74 CSIRO Division of Soils (QLD) Site ID: T74 Observation ID: 1

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable	Cations K		nangeable	CEC		ECEC	I	ESP
m		dS/m	,a	Mg	N.	Cmol (+)/kg	Acidity					%
0 - 0.1	5.8A	0.008C	1B	0.45	0.05	2.2						
0.1 - 0.2	6A	0.005C	0.85B	0.25	0.03	8.0						
0.2 - 0.3	6.1A	0.004C										
0.3 - 0.6	6.2A	0.003C	0.2B	0.1	0.03	0.4						
0.6 - 0.9	6.2A	0.003C										
0.9 - 1.2	6.2A	0.004C	0.2B	0.2	0.05	0.1						
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle	Size	Analysis	
Борин	ouooo	C	P	P	N	K	Density	GV .	CS	FS	Silt	
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1		0.75A	2A	0.011A	0.04	2A 0.456A		14	67C	26	2	4
			5.2B									
0.1 - 0.2		0.19A	1A	0.011A	0.01	6A 0.491A		8	71C	21	1	4
			4.4B									
0.2 - 0.3								8				
0.3 - 0.6		0.05A	2.8B	0.011A	0.01	1A 0.396A		8	74C	20	1	5
0.6 - 0.9								6				
0.9 - 1.2		0.13A	1.9B	0.01A	0.00	6A 0.463A		11	49C	41	4	6
Depth	epth COLE Gravimetric/Volumetric Water Contents K sat									K unsa	t	
•		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar 5	Bar 15	Bar				
m				g/g	j - m3/m3	3			mm/	h'	mm/h	

0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.6 0.6 - 0.9 0.9 - 1.2

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CSIRO Division of Soils (QLD) **Agency Name:**

Laboratory Analyses Completed for this profile

10A1 Total sulfur - X-ray fluorescence

12_NR_CU Total element - Cu(mg/kg) - Not recorded 12_NR_ZN Total element - Zn(mg/kg) - Not recorded

15A2_CA Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for

soluble salts

15A2_K Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts 15A2_MG 15A2_NA Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts

17A1 Total potassium - X-ray fluorescence

Air-dry moisture content 2A1

3A_TSS Electrical conductivity or soluble salts - Total soluble salts %

4A1 pH of 1:5 soil/water suspension

5A2 Chloride - 1:5 soil/water extract, automated colour

Organic carbon - Walkley and Black 6A1

Total nitrogen - semimicro Kjeldahl , automated colour 7A2

9A1 Total phosphorus - X-ray fluorescence

Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO3 extractable Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) 9B_9C

9G_BSES

9H_NR Posphate retention % - Not recorded

P10_GRAV Gravel (%)

P10_NR_C Clay (%) - Not recorded P10_NR_CS Coarse sand (%) - Not recorded Fine sand (%) - Not recorded P10_NR_FS P10_NR_Z Silt (%) - Not recorded