

**Project Name:** PIE  
**Project Code:** PIE **Site ID:** H71 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (TAS)

#### Site Information

<b>Desc. By:</b>	K.D. Nicholls	<b>Locality:</b>	Alongside Bulman's track 1.6km S of Interview River:
<b>Date Desc.:</b>	02/01/54	<b>Elevation:</b>	116 metres
<b>Map Ref.:</b>	Sheet No. : 7814 1:100000	<b>Rainfall:</b>	1370
<b>Northing/Long.:</b>	144.916666666667	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	-41.6	<b>Drainage:</b>	Very poorly drained

#### Geology

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Soil pit, 0.84 m deep, Granite

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Peneplain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	0 degrees

#### Surface Soil Condition (dry):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Humose-Parapanic Humic/Humosequic Aquic Podzol	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	All necessary analytical data are available.	<b>Principal Profile Form:</b>	Uc4.33
		<b>Great Soil Group:</b>	Peaty podzol

**Site Disturbance:** No effective disturbance. Natural

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Isolated clumps. \*Species includes - Eucalyptus ovata

#### Surface Coarse Fragments:

#### Profile Morphology

P1	0 - 0.16 m	Black (10YR2/1-Moist); ; Sandy peat (Fibric); Massive grade of structure; Wet; Firm consistence; 0-2%, Gravel, coarse fragments; AbundantDiffuse change to -
	0.16 - 0.28 m	Very dark brown (10YR2/2-Moist); ; Coarse sandy loam (Fibric); Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartzite, coarse fragments; AbundantDiffuse change to -
	0.28 - 0.38 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sandy loam (Fibric); Massive grade of structure; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartzite, coarse fragments; CommonSharp change to -
	0.39 - 0.48 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sand (Fibric); Single grain grade of structure; Very weak consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; CommonDiffuse change to -
	0.48 - 0.66 m	Greyish brown (10YR5/2-Moist); ; Coarse sand (Fibric); Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; FewSharp change to -
	0.66 - 0.84 m	Very dark brown (10YR2/2-Moist); , 10YR52; Coarse sand (Fibric); Massive grade of structure; Very firm consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Organic pan, Moderately cemented, Massive;

#### Morphological Notes

#### Observation Notes

>39CM ORGANIC MATTER INCREASING:66-84CM MOTTLE DUE TO VARYING CONCENTRATIONS OF FE:>39CM GRITTY FRACTION ONLY:

#### Site Notes

STH BALFOUR

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**Laboratory Test Results:**

[illegible]

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size		Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
0 - 0.16		26.2A									
0.16 - 0.28		9.3A		0.006A			0.67A				
0.28 - 0.38		5.7A					0.285A				
0.39 - 0.48		0.76A					0.136A				
0.48 - 0.66		0.76A		0.002A			0.022A				
0.66 - 0.84		7A					0.129A				

[illegible]

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**Laboratory Analyses Completed for this profile**

15A2_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 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
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15D1_CEC	CEC - 1M ammonium acetate at pH 7.0, pretreatment for soluble salts; manual leach
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCl Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A1	Total phosphorus - X-ray fluorescence