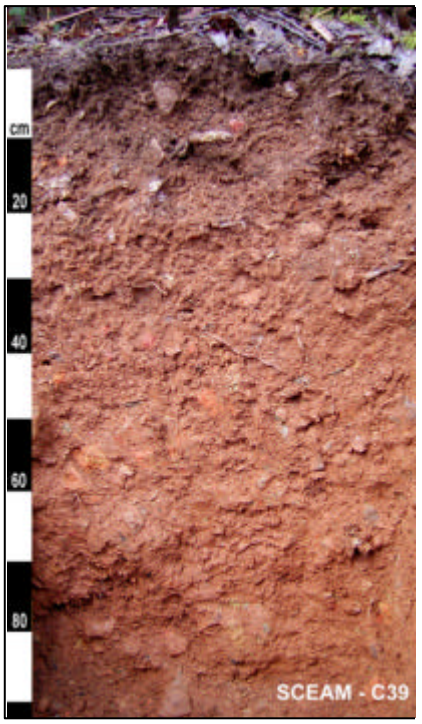
**Project Name:** SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania
**Project Code:** SCEAM **Site ID:** C39 **Observation ID:** 1
**Agency Name:** TAS Department of Primary Industries and Water

## Site Information

**Desc. By:** Heather Hawkins
**Date Desc.:** 07/07/06
**Map Ref.:**
**Northing/Long.:**
**Easting/Lat.:**
**Locality:** Near Paradise
**Elevation:** 489 metres
**Rainfall:** 1322
**Runoff:** Slow
**Drainage:** Moderately well drained




## Geology

**ExposureType:** Soil pit
**Geol. Ref.:** Tertiary keratophyre
**Conf. Sub. is Parent. Mat.:** No Data
**Substrate Material:** No Data

## Land Form

**Rel/Slope Class:** Rolling hills 90-300m 10-32%
**Morph. Type:** Upper-slope
**Elem. Type:** Hillslope
**Slope:** 15 %
**Pattern Type:** Hills
**Relief:** No Data
**Slope Category:** Moderately inclined
**Aspect:** 115 degrees

**Surface Soil Condition (dry):** Firm

**Erosion:** No Data

## Soil Classification

**Australian Soil Classification:**
Acidic Dystrophic Red Ferrosol Medium Non-gravelly Clay-loamy Clayey Moderately deep
**ASC Confidence:**
All necessary analytical data are available.

**Site Disturbance:** Limited clearing

**Vegetation:**

**Surface Coarse Fragments:** 2-10%, cobbly, 60-200mm, , keratophyre

## Profile Morphology

O1 -0.03 - 0 m Organic Layer; (/-Moist); Moist; Clear, Wavy change to -

A1 0 - 0.17 m Dark reddish brown (5YR3/3-Moist); Clay loam; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Many (>5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; 2-10%, cobbly, 60-200mm, subangular, dispersed, Dolerite, coarse fragments; Common, fine (1-2mm) roots; Common, medium (2-5mm) roots; Few, coarse (>5mm) roots; Clear, Wavy change to -

B1t 0.17 - 0.4 m Reddish brown (5YR4/4-Moist); Substrate influence, 0-2%, 5-15mm, Faint, 10R4/6; Light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; 2-10%, cobbly, 60-200mm, subangular, dispersed, Dolerite, coarse fragments; 10-20%, cobbly, 60-200mm, subangular, dispersed, Dolerite, coarse fragments; Fewcutans, <10% of ped faces or walls coated, faint; Few, fine (1-2mm) roots; Few, medium (2-5mm) roots; Few, coarse (>5mm) roots; Clear, Wavy change to -

B21t 0.4 - 0.59 m Dark red (2.5YR3/6-Moist); Substrate influence, 0-2%, 5-15mm, Faint, 10R4/6; Light medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; 10-20%, cobbly, 60-200mm, subangular, dispersed, Dolerite, coarse fragments; 0-2%, stony, 200-600mm, subangular, dispersed, Dolerite, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, faint; Few, coarse (>5mm) roots; Abrupt, Wavy change to -

B22t 0.59 - 0.8 m Dark red (2.5YR3/6-Moist); Substrate influence, 0-2%, 5-15mm, Faint, 10YR4/6; Light medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Normal plasticity; Slightly sticky; 10-20%, cobbly, 60-200mm, subangular, dispersed, Dolerite, coarse fragments; 0-2%, stony, 200-600mm, subangular, dispersed, Dolerite, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, faint; Few, coarse (>5mm) roots;

## Chemistry Data

| | | | | Organic C% | pH (H20) | pH (CaCl2) | EC (dS/m) | Exchangeable Bases (meq/100g) Ca | Mg | Na | K | ECEC (meq/100g) | ESP % | Olsen P (mg/kg) | Total N % | Colwell_K (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | to | 75 | mm | 8.21 | 5.3 | 4.5 | 0.10 | 6.76 | 5.38 | 0.19 | 0.98 | 14.58 | 1.30 | 6.00 | 0.42 | 392 |
| 175 | to | 250 | mm | 3.55 | 5.2 | 4.4 | 0.06 | 2.97 | 1.90 | 0.15 | 0.60 | 8.31 | 1.81 | 2.80 | 0.25 | 246 |
| 400 | to | 580 | mm | 1.01 | 5.4 | 4.5 | 0.02 | 0.30 | 0.43 | 0.16 | 0.16 | 4.51 | 3.55 | 0.60 | 0.10 | 50 |
| 600 | to | 800 | mm | 0.94 | 5.5 | 4.4 | 0.02 | 0.18 | 0.42 | 0.19 | 0.11 | 4.68 | 4.06 | 0.50 | 0.09 | 39 |