

Project Name: **SCEAM - Soil Condition Evaluation & Monitoring Project, Tasmania**
 Project Code: **SCEAM** Site ID: **N20** Observation ID: **1**
 Agency Name: **TAS Department of Primary Industries and Water**

Site Information

Desc. By: D.B. Kidd
 Date Desc.: 27/07/05
 Map Ref.:
 Northing/Long.:
 Easting/Lat.:

Locality: Blackwood Creek
 Elevation: 208 metres
 Rainfall: No Data
 Runoff: Slow
 Drainage: Imperfectly drained

Geology

Exposure Type: Soil pit
 Geol. Ref.: Qa

Conf. Sub. is Parent. Mat.: Almost certain
 Substrate Material: Soil pit, 1.1 m, Alluvium

Land Form

Rel/Slope Class: Gently undulating plains <9m
 1-3%

Pattern Type: Alluvial plain

Morph. Type: Flat
 Elem. Type: Plain
 Slope: 2 %

Relief: No Data
 Slope Category: Very gently sloped
 Aspect: 102 degrees

Surface Soil Condition (dry): Soft

Erosion: No Data

Soil Classification

Australian Soil Classification:

Bleached-Mottled Class Undetermined Brown Kurosol
 Medium Non-gravelly Clay-loamy Clayey Deep

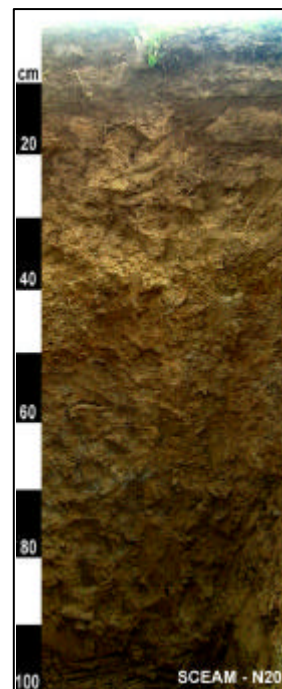
ASC Confidence:

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Cultivation. Irrigated, past or present

Vegetation:

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Dolerite very strong



Profile Morphology

| | | |
|------|---------------|--|
| Ap | 0 - 0.17 m | Very dark greyish brown (10YR3/2-Moist); Sandy clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Weak grade of structure, 2-5 mm, Subangular blocky; Earthy fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 0-2%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Few, medium (2-5mm) roots; Clear, Smooth change to - |
| A21 | 0.17 - 0.31 m | Greyish brown (2.5Y5/3-Moist); Biological mixing, 2-10%, 0-5mm, Distinct, 10YR5/6; Sandy loam; Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 0-2%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Cultivation pan, Weakly cemented, Continuous, Massive; Few, fine (1-2mm) roots; Clear, Smooth change to - |
| A22 | 0.31 - 0.42 m | Light yellowish brown (2.5Y6/4-Moist); Mottles, 2-10%, 0-5mm, Distinct, 10YR5/6; Clayey sand; Weak grade of structure, 10-20 mm, Subangular blocky; Weak grade of structure, 2-5 mm, Angular blocky; Sandy (grains prominent) fabric; Fine, (0 - 5) mm crack; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Moist; Very weak consistence; 0-2%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Cultivation pan, Weakly cemented, Continuous, Massive; Few, fine (1-2mm) roots; Abrupt, Smooth change to - |
| B21t | 0.42 - 0.7 m | Yellowish brown (10YR5/8-Moist); Mottles, 10-20%, 5-15mm, Prominent, 2.5Y6/1; Medium heavy clay; Massive grade of structure; Rough-ped fabric; Fine, (0 - 5) mm crack; Moist; Firm consistence; Very plastic; Superplastic; Moderately sticky; 0-2%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Fewcutans, <10% of ped faces or walls coated, distinct; Few, fine (1-2mm) roots; Clear, Smooth change to - |
| B22t | 0.7 - 1.1 m | Yellowish brown (10YR5/6-Moist); Mottles, 20-50%, 15-30mm, Prominent, 2.5Y7/1; Medium clay; Massive grade of structure; Rough-ped fabric; Moist; Firm consistence; Very plastic; Superplastic; Moderately sticky; 0-2%, cobbly, 60-200mm, subrounded, dispersed, Dolerite, coarse fragments; Fewcutans, <10% of ped faces or walls coated, distinct; Few, fine (1-2mm) roots; |

Chemistry Data

| | | Organic C % | pH (H2O) | pH (CaCl2) | EC (dS/m) | Exchangeable Bases (meq/100g) | | | | ECEC (meq/100g) | ESP % | Olsen P (mg/kg) | Total N % | Colwell_K (mg/kg) |
|-----|------------|-------------|----------|------------|-----------|-------------------------------|-------|------|------|-----------------|-------|-----------------|-----------|-------------------|
| | | | | | | Ca | Mg | Na | K | | | | | |
| 0 | to 75 mm | 2.95 | 6.1 | 5.3 | 0.08 | 6.99 | 1.20 | 0.14 | 0.40 | 8.82 | 1.59 | 23.60 | 0.24 | 161 |
| 200 | to 275 mm | 1.12 | 5.3 | 4.4 | 0.04 | 2.17 | 0.79 | 0.09 | 0.15 | 4.38 | 2.05 | 5.30 | 0.09 | 71 |
| 450 | to 650 mm | 0.49 | 5.1 | 4.1 | 0.05 | 5.94 | 8.72 | 0.63 | 0.23 | 20.57 | 3.06 | 0.80 | 0.05 | 89 |
| 750 | to 1000 mm | 0.36 | 5.1 | 4.0 | 0.05 | 5.67 | 11.11 | 0.87 | 0.27 | 22.22 | 3.92 | 0.60 | 0.03 | 118 |