

**Project Name:** SOR  
**Project Code:** SOR      **Site ID:** H210      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (TAS)

**Site Information**

<b>Desc. By:</b>	Graley, A	<b>Locality:</b>	Property "Lowes Park":4.2KM E of Midlands H`way on Glen Morey Rd:leaveshighway at Woodbury:
<b>Date Desc.:</b>	27/03/61	<b>Elevation:</b>	216 metres
<b>Map Ref.:</b>		<b>Rainfall:</b>	480
<b>Northing/Long.:</b>	147.434722222222	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	-42.1819444444445	<b>Drainage:</b>	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>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Pediment	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Hypercalcic Mottled-Subnatric Grey Sodosol		<b>Principal Profile Form:</b>	Db2.23
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Solodized solonetz
All necessary analytical data are available.			

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - None recorded  
Tall Strata - Tree, , . \*Species includes - Eucalyptus ovata

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.02 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; 0-2%, Gravel, coarse fragments; Diffuse change to -
A1	0.02 - 0.11 m	Pinkish grey (7.5YR6/2-Dry); ; Sandy loam; Weak grade of structure, 2-5 mm, Granular; Firm consistence; 2-10%, Mudstone, coarse fragments; Sharp change to -
B	0.13 - 0.22 m	Dark reddish brown (5YR3/4-Moist); ; Heavy clay; Strong grade of structure, >500 mm, Columnar; Strong grade of structure, 20-50 mm, Prismatic; Fine, (0 - 5) mm crack; Very firm consistence; 2-10%, Dolerite, coarse fragments; Diffuse change to -
B	0.22 - 0.38 m	Very dark grey (10YR3/1-Moist); , 2.5YR36; Heavy clay; Strong grade of structure, >500 mm, Columnar; Strong grade of structure, 20-50 mm, Prismatic; Very firm consistence; 2-10%, Dolerite, coarse fragments; Diffuse change to -
B	0.38 - 0.51 m	Very dark grey (10YR3/1-Moist); , 2.5YR36; Heavy clay; Strong grade of structure, >500 mm, Columnar; Strong grade of structure, 20-50 mm, Prismatic; Very firm consistence; 2-10%, Dolerite, coarse fragments; Diffuse change to -
Bk	0.58 - 0.66 m	Red (2.5YR4/6-Moist); ; Medium clay; Very firm consistence; 2-10%, Dolerite, coarse fragments; Few (2 - 10 %), Calcareous, , Soft segregations; Clear change to -
Bk	0.66 - 0.84 m	Dark yellowish brown (10YR4/4-Moist); ; Medium clay; Very firm consistence; 20-50%, Dolerite, coarse fragments; Common (10 - 20 %), Manganiferous, , Concretions; Very many (50 - 100 %), Calcareous, , Soft segregations;

**Morphological Notes**

**Observation Notes**

MICRORELIEF - OCCASIONAL DEPRESSIONS:A2 HORIZON EXTENDS IN A NARROW FUNNEL BETWEEN DOMES OF B HORIZON:

**Site Notes**

INTERLARKEN

**Observation ID: 1**

**Laboratory Test Results:**

Depth m	pH	1:5 EC dS/m	Exchangeable Cations				Exchangeable Acidity Na Cmol (+)/kg	CEC	ECEC	ESP %
			Ca	Mg	K					
0 - 0.02	6.1A	0.086A	6.1H	2.4	0.95	0.27	3.9H		13.6B	
0.02 - 0.11	6.3A	0.536A	6.4H	0.15	0.51	0.32	2H		9.4B	
0.13 - 0.13	7A	0.152A	12.2H	18.1	2.1	3.7			36.1B	
0.22 - 0.38	8A	0.182A								
0.38 - 0.51	8.8A	0.304A								
0.58 - 0.66	9.4A	0.601A	7.3H	14.6	0.58	5.1			27.6B	
0.66 - 0.84	9.4A	1.13A								

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**Laboratory Analyses Completed for this profile**

15E1_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) by compulsive exchange, no pretreatment for soluble
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15G_C_H1	Exchangeable hydrogen - meq per 100g of soil - Hydrogen By back titration of A or B
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
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCL	Total element - P(%) - By boiling HCl
P10_GRAV	Gravel (%)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance
P10A1_C	Clay (%) - Pipette
P10A1_CS	Coarse sand (%) - Pipette
P10A1_FS	Fine sand (%) - Pipette
P10A1_Z	Silt (%) - Pipette