

Project Name: CAP
Project Code: CAP **Site ID:** H148 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	G.M. Dimmock	Locality:	1 chain south of hole 715:1.2KM NSW of Flowerdale:
Date Desc.:	03/07/56	Elevation:	24 metres
Map Ref.:	Sheet No. : 8016 1:100000	Rainfall:	1120
Northing/Long.:	145.669444444444	Runoff:	Slow
Easting/Lat.:	-40.9708333333333	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Terrace (alluvial)
Morph. Type:	Flat	Relief:	0 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Mesotrophic Brown Dermosol		Principal Profile Form:	Gn3.21
ASC Confidence:		Great Soil Group:	Prairie soil
All necessary analytical data are available.			

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Silty clay loam; Moderate grade of structure, 5-10 mm, Granular; Wet; Weak consistence; AbundantDiffuse change to -
A	0.09 - 0.17 m	Very dark greyish brown (10YR3/2-Moist); ; Silty clay loam; Moderate grade of structure, 5-10 mm, Granular; Moist; Very weak consistence; AbundantSharp change to -
B	0.18 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Concretions; CommonDiffuse change to -
B	0.3 - 0.41 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Granular; Moist; Very weak consistence; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Concretions; CommonDiffuse change to -
B	0.41 - 0.56 m	Dark yellowish brown (10YR4/4-Moist); ; 5YR44, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Granular; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Very weak consistence; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Concretions; Diffuse change to -
B	0.56 - 0.71 m	Dark yellowish brown (10YR4/4-Moist); ; 5YR44, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Granular; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Very weak consistence; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Concretions; Diffuse change to -
B	0.71 - 0.91 m	Dark yellowish brown (10YR4/4-Moist); ; 5YR44, 2-10% ; , 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Granular; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Very few (0 - 2 %), Unidentified, , Concretions; Diffuse change to -
BC	0.94 - 1.17 m	Dark yellowish brown (10YR4/4-Moist); ; 10YR88; , 5YR54; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 2-5 mm, Granular; Moist; Weak consistence;
C	1.52 - 1.63 m	Yellowish brown (10YR5/6-Moist); , 10YR71; , 10YR66; Medium clay;

Morphological Notes

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0-17CM WORMS ACTIVE:152-163CM CLAY WITH POCKETS OF FSC:

Site Notes

WELLINGTON

Observation Notes

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) 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
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_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCL	Total element - P(%) - By boiling HCl
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