

Project Name: REG
Project Code: REG **Site ID:** H186 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	1CH W of Carrick/Oaks/Bracknell Rd 1.8KM N of Oaks Railway Station:
Date Desc.:	06/03/59	Elevation:	165 metres
Map Ref.:		Rainfall:	700
Northing/Long.:	147.975	Runoff:	Moderately rapid
Easting/Lat.:	-41.572222222222	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	30 metres
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	2.5 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Mesotrophic Brown Chromosol	Principal Profile Form:	Dr2.11
ASC Confidence:	Great Soil Group:	Red podzolic soil
All necessary analytical data are available.		

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

0 - 0.1 m	Dark brown (7.5YR3/3-Moist); Brown (7.5YR4/4-Dry); ; Clay loam; Weak grade of structure, 2-5 mm, Granular; Very weak consistence; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Nodules; Clear change to -
0.1 - 0.13 m	Dark brown (7.5YR3/3-Moist); Brown (7.5YR4/4-Dry); ; Clay loam; Weak grade of structure, 2-5 mm, Subangular blocky; Firm consistence; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Nodules; Clear, Tongued change to -
0.13 - 0.28 m	Dark reddish brown (5YR3/3-Moist); ; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Few (2 - 10 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Diffuse change to -
0.28 - 0.46 m	Reddish brown (5YR4/4-Moist); , 7.5YR44; Heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Few (2 - 10 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Diffuse change to -
0.46 - 0.64 m	Yellowish brown (10YR5/4-Moist); , 2.5YR44; Heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Firm consistence; Few (2 - 10 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Diffuse change to -
0.64 - 0.81 m	Yellowish brown (10YR5/4-Moist); , 7.5YR56; , 2.5YR44; Heavy clay; Massive grade of structure; Weak consistence; Very few (0 - 2 %), Ferruginous, Very coarse (20 - 60 mm), ; Diffuse change to -
0.81 - 1.02 m	Light grey (2.5Y7/2-Moist); , 10YR56; , 2.5YR44; Heavy clay; Massive grade of structure; Weak consistence; Very few (0 - 2 %), Ferruginous, Very coarse (20 - 60 mm), ; Clear change to -
1.02 - 1.29 m	White (2.5Y8/2-Moist); , 10YR56; Heavy clay; Massive grade of structure; Weak consistence; Very few (0 - 2 %), Ferruginous, Very coarse (20 - 60 mm), ;
1.9 - 1.98 m	White (2.5Y8/2-Moist); , 7.5YR68; Heavy clay; Weak consistence; Very few (0 - 2 %), Ferruginous, Very coarse (20 - 60 mm), ;

Morphological Notes

Observation Notes

Site Notes

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QUAMBY

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[illegible]

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Laboratory Analyses Completed for this profile

12_HCL_FE	Total element - Fe(%) - Total acid(HCl) extractable Fe
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15E1_CA	Exchangeable bases (Ca2+,Mg2+,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
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
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