

Project Name: LON
Project Code: LON **Site ID:** H34 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	J. Loveday	Locality:	8.9km NNE of Perth and 0.8km from Relbia:
Date Desc.:	14/03/52	Elevation:	85 metres
Map Ref.:	Sheet No. : 8314 1:100000	Rainfall:	700
Northing/Long.:	147.216666666667	Runoff:	Rapid
Easting/Lat.:	-41.5	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:	No Data	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Ferric Mottled-Subnatric Brown Chromosol		Principal Profile Form:	Dy5.61
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
All necessary analytical data are available.			

Site Disturbance: No effective disturbance. Natural

Vegetation: Low Strata - Fern, 0.51-1m, Closed or dense. *Species includes - Pteridium esculentum

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Greyish brown (10YR5/2-Moist); ; Sand; Single grain grade of structure; Loose consistence; 2-10%, fine gravelly, 2-6mm, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; Diffuse change to -
A2	0.15 - 0.25 m	Brown (10YR5/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Diffuse change to -
A2	0.36 - 0.46 m	Pale brown (10YR6/3-Moist); ; Sand; Single grain grade of structure; Very weak consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Sharp change to -
B1	0.51 - 0.71 m	Yellowish brown (10YR5/6-Moist); , 2.5YR68; Heavy clay; Weak consistence; Very few (0 - 2 %), Ferruginous, Very coarse (20 - 60 mm), Concretions; Diffuse change to -
	1.47 - 1.52 m	Reddish brown (5YR4/3-Moist); ; Sandy medium clay; Firm consistence; 2-10%, rounded, Quartz, coarse fragments; Common (10 - 20 %), Ferruginous, , ;

Morphological Notes

Observation Notes

WOODSTOCK SERIES

Site Notes

CORNWALL

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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_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