

Project Name: ESK
Project Code: ESK **Site ID:** H241 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (TAS)

Site Information

Desc. By:	K.D. Nicholls	Locality:	3.2KM NW of Epping Forest township:alongside Midland H' way 30M from t' off to property "Fairfield" + 30M off rd:
Date Desc.:	16/04/62	Elevation:	180 metres
Map Ref.:		Rainfall:	530
Northing/Long.:	147.323611111111	Runoff:	Slow
Easting/Lat.:	-41.738888888889	Drainage:	Poorly drained
<u>Geology</u>			
ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Auger boring, 1.9 m deep,Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Terrace (alluvial)
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Very gently sloped
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mesotrophic Mottled-Subnatric Brown Sodosol	Principal Profile Form:	Dy3.41
ASC Confidence:	Great Soil Group:	Soloth
All necessary analytical data are available.		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Fern, , . *Species includes - None recorded
Mid Strata - Tree, , . *Species includes - Acacia species, Bassia species
Tall Strata - Tree, 20.01-35m, . *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.09 m	Very dark grey (10YR3/1-Moist); ; Loamy sand; Weak grade of structure, <2 mm, Granular; Dry; Very weak consistence; 2-10%, Gravel, coarse fragments; Clear change to -
A2	0.09 - 0.16 m	Grey (10YR6/1-Moist); ; Sand; Single grain grade of structure; Dry; Very weak consistence; 0-2%, medium gravelly, 6-20mm, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm); ; Diffuse change to -
A2b	0.16 - 0.28 m	Light grey (10YR7/1-Moist); , 10YR63; Sand; Single grain grade of structure; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, Quartz, coarse fragments; Diffuse change to -
B1	0.3 - 0.44 m	Yellowish brown (10YR5/4-Moist); , 10YR63; , 5YR44; Heavy clay; Moderate grade of structure, 20-50 mm, Prismatic; Rough-ped fabric; Moderately moist; Very strong consistence; 0-2%, Quartz, coarse fragments; Diffuse change to -
B	0.44 - 0.61 m	Yellowish brown (10YR5/4-Moist); , 5YR44; Heavy clay; Weak grade of structure, 20-50 mm, Prismatic; Moderately moist; Firm consistence; 0-2%, Gravel, coarse fragments; Diffuse change to -
	0.69 - 0.84 m	Yellowish brown (10YR5/4-Moist); , 2.5YR46; Heavy clay; Firm consistence; 0-2%, Gravel, coarse fragments; Diffuse change to -
	1.02 - 1.09 m	Yellowish brown (10YR5/4-Moist); , 2.5YR46; , 2.5Y62; Heavy clay; Firm consistence; 0-2%, Gravel, coarse fragments; Diffuse change to -
	1.6 - 1.85 m	Light grey (2.5Y7/2-Moist); , 2.5YR46; , 10YR54; Heavy clay; Firm consistence; Diffuse change to -

Morphological Notes

Observation Notes

Site Notes

LONGFORD

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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
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