

Project Name: Cooloola
Project Code: Cooloola **Site ID:** B873 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

| | | | |
|------------------------|--------------------------------|-------------------|---|
| Desc. By: | C.H. Thompson | Locality: | Samuel Hill army airfield, side of drain just SW of main strip. |
| Date Desc.: | 13/11/75 | Elevation: | 30 metres |
| Map Ref.: | Sheet No. : 9052-IV 1:50000 | Rainfall: | 1200 |
| Northing/Long.: | 150.6497921 | Runoff: | No Data |
| Easting/Lat.: | -22.74294135 | Drainage: | Poorly drained |

Geology

| | | | |
|-----------------------|---------|------------------------------------|---------|
| Exposure Type: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|---------|------------------------|----------|
| Rel/Slope Class: | No Data | Pattern Type: | No Data |
| Morph. Type: | No Data | Relief: | 1 metres |
| Elem. Type: | Plain | Slope Category: | No Data |
| Slope: | % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Podosol | Principal Profile Form: | Uc2.20 |
| ASC Confidence: | Great Soil Group: | Humus podzol |
| Confidence level not specified | | |

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - Leptospermum species, Xanthorrhoea species, Paspalidium species
 Mid Strata - , 3.01-6m, . *Species includes - Eucalyptus umbra
 Tall Strata - , , . *Species includes - Melaleuca viridiflora

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.02 m | Light grey (10YR7/1-Moist); , 10YR51; Fine sandy loam; Single grain grade of structure; Massive grade of structure; Firm consistence; |
| A12 | 0.02 - 0.1 m | Very dark grey (10YR3/1-Moist); ; Fine sandy loam; Single grain grade of structure; Massive grade of structure; Firm consistence; Few |
| A12 | 0.1 - 0.15 m | Very dark grey (10YR3/1-Moist); ; Fine sandy loam; Single grain grade of structure; Massive grade of structure; Firm consistence; |
| A13 | 0.15 - 0.2 m | Dark grey (10YR4/1-Moist); Grey (10YR5/1-Moist); ; Fine sandy loam; Single grain grade of structure; Massive grade of structure; Firm consistence; |
| A3 | 0.2 - 0.3 m | Light grey (10YR7/2-Moist); , 10YR62; Fine sand; Single grain grade of structure; Massive grade of structure; Firm consistence; |
| A3 | 0.3 - 0.38 m | Light grey (10YR7/2-Moist); , 10YR62; |
| B21 | 0.38 - 0.43 m | Very dark brown (10YR2/2-Moist); ; Fine sand; Single grain grade of structure; Massive grade of structure; Firm consistence; |
| B21 | 0.38 - 0.43 m | Very dark brown (10YR2/2-Moist); ; Fine sand; Single grain grade of structure; Massive grade of structure; Strong consistence; |
| D? | 0.43 - 0.6 m | Yellowish brown (10YR5/4-Moist); , 10YR22; Clay loam, fine sandy; Single grain grade of structure; Massive grade of structure; Very strong consistence; |
| D? | 0.6 - 0.9 m | Yellowish brown (10YR5/6-Moist); Brownish yellow (10YR6/6-Moist); , 2.5Y71; Fine sandy clay loam; Single grain grade of structure; Massive grade of structure; Strong consistence; |

Morphological Notes

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|-----|---|
| A11 | Possibly spoil from drain. Rain-washed. |
| A12 | Few roots. |
| A3 | Full bleach dry. |
| A3 | Some b root lines. |

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D? VDB org stain from B21 down cracks and root channels.
D? Tr ww paleozoic metamorphic G.

Observation Notes

Parent material: Local alluvium. Landform: Gently sloping coastal plain. Veg: Woodland.

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[illegible]

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Laboratory Analyses Completed for this profile

| | |
|----------|---|
| 2A1 | Air-dry moisture content |
| 3_NR | Electrical conductivity or soluble salts - Not recorded |
| 4_NR | pH of soil - Not recorded |
| 5_NR | Water soluble Chloride - Cl(%) - Not recorded |
| P10_NR_C | Clay (%) - Not recorded |
| P10_NR_S | Sand (%) - Not recorded |
| P10_NR_Z | Silt (%) - Not recorded |