

Project Name: GH
Project Code: GH **Site ID:** CP20 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: J. Loveday **Locality:** 3.2KM E. up road to Morundah from Coleambally Canal
Date Desc.: 29/10/68 **Elevation:** 120 metres
Map Ref.: Sheet No. : 8128 1:100000 **Rainfall:** 410
Northing/Long.: 146.116666666667 **Runoff:** Very slow
Easting/Lat.: -34.8 **Drainage:** Imperfectly drained

Geology

ExposureType: Undisturbed soil core **Conf. Sub. is Parent. Mat.:** No Data
Geol. Ref.: No Data **Substrate Material:** Slightly porous, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: Level plain <9m <1% **Pattern Type:** Alluvial plain
Morph. Type: Flat **Relief:** No Data
Elem. Type: Plain **Slope Category:** Level
Slope: <1 % **Aspect:** 0 degrees

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification: Epicalcareous-Endohypersodic Self-Mulching Grey Vertosol **Mapping Unit:** N/A
Principal Profile Form: Ug5.28

ASC Confidence:

All necessary analytical data are available.

Great Soil Group: Grey clay

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

Vegetation: Low Strata - Sod grass, , Closed or dense. *Species includes - None recorded

Surface Coarse Fragments:

Profile Morphology

| | |
|-------------|--|
| 0 - 0.1 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; 10-20 mm, Angular blocky; Extremely coarse, (50 - 100) mm crack; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Diffuse change to - |
| 0.1 - 0.2 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; 20-50 mm, Angular blocky; Extremely coarse, (50 - 100) mm crack; Weak consistence; Few (2 - 10 %), Calcareous, , Soft segregations; |
| 0.2 - 0.3 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; 20-50 mm, Angular blocky; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; |
| 0.3 - 0.4 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; |
| 0.4 - 0.5 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| 0.5 - 0.6 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| 0.6 - 0.7 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| 0.7 - 0.8 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| 0.8 - 0.9 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| 0.9 - 1 m | Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Very firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |

Morphological Notes

Observation Notes

ALLUVIUM ON PARNA WUNNAMURRA CLAY

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Site Notes

COLEAMBALLY

Observation ID: 1

[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 15_NR_CA | Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded |
| 15_NR_CEC | CEC - meq per 100g of soil - Not recorded |
| 15_NR_H | Hydrogen Cation - meq per 100g of soil - Not recorded |
| 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 |
| 19A1 | Carbonates - rapid titration |
| 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 |
| 9B_9C | Available P (mg/kg) - Bicarbonate P - 0.5M NaHCO ₃ extractable |
| 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 |