

Project Name: KOO
Project Code: KOO **Site ID:** C21 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

| | | | |
|------------------------|----------|-------------------|---------------------|
| Desc. By: | | Locality: | P45 west side: |
| Date Desc.: | 22/07/54 | Elevation: | 128 metres |
| Map Ref.: | | Rainfall: | 380 |
| Northing/Long.: | | Runoff: | Slow |
| Easting/Lat.: | | Drainage: | Imperfectly drained |

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-----------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Epicalcareous-Endohypersodic Epipedal Grey Vertosol | | Principal Profile Form: | N/A |
| ASC Confidence: | | Great Soil Group: | Grey clay |

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, , Sparse. *Species includes - Panicum decompositum, Danthonia species
Mid Strata - Shrub, , Sparse. *Species includes - None recorded
Tall Strata - Tree, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

| | | |
|----|---------------|--|
| A | 0 - 0.06 m | Light brownish grey (2.5Y6/2-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| B | 0.06 - 0.15 m | Light olive grey (5Y6/2-Moist); ; Medium clay (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very weak consistence; 0-2%, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, , Concretions; Gradual change to - |
| B | 0.15 - 0.28 m | Light olive grey (5Y6/2-Moist); ; Heavy clay; Weak grade of structure, 50-100 mm, Angular blocky; Moist; Weak consistence; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to - |
| B | 0.34 - 0.48 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Massive grade of structure; Moist; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; Diffuse change to - |
| B | 0.58 - 0.76 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Massive grade of structure; Moist; Firm consistence; Common (10 - 20 %), Calcareous, , Concretions; |
| BC | 0.84 - 1.04 m | Light brownish grey (2.5Y6/2-Moist); ; Heavy clay; Massive grade of structure; Moderately moist; Firm consistence; Few (2 - 10 %), Calcareous, , Concretions; |
| D | 1.47 - 1.7 m | Light yellowish brown (10YR6/4-Moist); , 5Y61; Heavy clay; Moderately moist; Weak consistence; Few (2 - 10 %), Calcareous, , Concretions; Diffuse change to - |
| D | 1.93 - 2.08 m | Light yellowish brown (10YR6/4-Moist); , 7.5YR66; Heavy clay (Light); Moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions; |

Morphological Notes

Observation Notes

84-104CM SMALL POCKETS OF FERRUGINOUS MATERIAL: 34-170CM SHEAR FACES SHINY:

Site Notes

COOPER

Project Name: KOO
Project Code: KOO Site ID: C21 Observation ID: 1
Agency Name: CSIRO Division of Soils (NSW)

Project Name: KOO

Project Code: KOO

Agency Name: CSIRO Division of Soils (NSW)

Site ID: C21

Observation ID: 1

Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|---|--------------|---------|------|-----|
| m | | dS/m | Ca | Mg | K | Na | Acidity | | |
| | | | | | | Cmol (+)/kg | | | % |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle | | Size | Analysis | |
|-------|-------|---------|--------|-------|-------|-------|---------|----------|----|------|----------|------|
| m | % | C | P | P | N | K | Density | GV | CS | FS | Silt | Clay |
| | | % | mg/kg | % | % | % | Mg/m3 | | | % | | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | | K sat | K unsat |
|-------|------|---------------------------------------|----------|---------|---------|-------|-------|--------|-------|---------|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | | |
| m | | | | | g/g - | m3/m3 | | | mm/h | mm/h |

Project Name: KOO

Project Code: KOO

Site ID: C21

Observation ID: 1

Agency Name: CSIRO Division of Soils (NSW)

Laboratory Analyses Completed for this profile