

Project Name: MUR
Project Code: MUR **Site ID:** C109 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

| | | | |
|------------------------|------------------------------|-------------------|--------------------|
| Desc. By: | H.M. Churchwood | Locality: | South-west corner. |
| Date Desc.: | 15/10/53 | Elevation: | 76 metres |
| Map Ref.: | Sheet No. : 7826 1:100000 | Rainfall: | 350 |
| Northing/Long.: | 144.5 | Runoff: | Rapid |
| Easting/Lat.: | -35.5 | Drainage: | No Data |

Geology

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

Land Form

| | | | |
|-------------------------|-----------|------------------------|------------|
| Rel/Slope Class: | No Data | Pattern Type: | Sand plain |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | Dunecrest | Slope Category: | No Data |
| Slope: | 0 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--------------------------------|--------------------------------|----------------------|
| Australian Soil Classification: | N/A | Mapping Unit: | N/A |
| ASC Confidence: | Confidence level not specified | Principal Profile Form: | N/A |
| | | Great Soil Group: | Solonized brown soil |

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.13 m | Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Moderately moist; Weak consistence; |
| A21 | 0.13 - 0.23 m | Brown (10YR4/3-Moist); ; Sand; Massive grade of structure; Moist; Very weak consistence; |
| A21 | 0.23 - 0.38 m | Yellowish brown (10YR5/4-Moist); ; Sand; Massive grade of structure; Dry; Weak consistence; |
| A22 | 0.38 - 0.41 m | Yellowish brown (10YR5/4-Moist); ; Sand; Massive grade of structure; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; |
| B11 | 0.41 - 0.51 m | Yellowish red (5YR4/8-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; |
| B2 | 0.53 - 0.61 m | Red (2.5YR4/6-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Soft segregations; |
| C11 | 0.61 - 0.71 m | Reddish yellow (7.5YR7/8-Moist); ; 7.5YR86; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; Many (20 - 50 %), Calcareous, , Soft segregations; |
| C12 | 0.71 - 0.83 m | Reddish yellow (7.5YR7/8-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Dry; Weak consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; |
| C13 | 0.91 - 1.09 m | Reddish yellow (5YR6/7-Moist); ; Sandy clay loam (Light); Massive grade of structure; Moderately moist; Firm consistence; Very many (50 - 100 %), Calcareous, , Soft segregations; |
| C21 | 1.32 - 1.52 m | Very pale brown (10YR8/4-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Weak consistence; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Concretions; |
| C22 | 1.77 - 2.05 m | Very pale brown (10YR8/4-Moist); , 5YR68; Sandy light clay; Moderately moist; Weak consistence; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Concretions; |
| C23 | 2.36 - 2.54 m | Pinkish grey (7.5YR6/3-Moist); ; Sandy medium clay; Moderately moist; Firm consistence; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; |
| D1 | 2.76 - 2.97 m | Reddish yellow (7.5YR7/6-Moist); , 2.5YR68; , 5Y74; Sandy medium clay; Moderately moist; Firm consistence; Very few (0 - 2 %), Calcareous, , Concretions; |
| D2 | 3.27 - 3.55 m | Red (2.5YR5/8-Moist); , 2.5Y74; , 2.5Y82; Medium clay; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions; |

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D3 3.73 - 3.93 m White (5Y8/2-Moist); , 10YR78; , 10R58; Sandy medium clay; Moderately moist; Weak consistence; Very few (0 - 2 %), Calcareous, , Concretions;

Morphological Notes

Observation Notes

WETUPPA SAND

Site Notes

WAKOOL

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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 | | |
| m | | | | | g/g - | m3/m3 | | mm/h | mm/h |

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Laboratory Analyses Completed for this profile