

**Project Name:** SOIL STRUCTURE & MANAGEMENT  
**Project Code:** SSM **Site ID:** SSM207 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

#### Site Information

|                        |                           |                   |              |
|------------------------|---------------------------|-------------------|--------------|
| <b>Desc. By:</b>       | B. Murphy                 | <b>Locality:</b>  |              |
| <b>Date Desc.:</b>     | 08/04/92                  | <b>Elevation:</b> | 260 metres   |
| <b>Map Ref.:</b>       | Sheet No. : 8328 1:100000 | <b>Rainfall:</b>  | No Data      |
| <b>Northing/Long.:</b> | 6128700 AMG zone: 55      | <b>Runoff:</b>    | Slow         |
| <b>Easting/Lat.:</b>   | 541800 Datum: AGD66       | <b>Drainage:</b>  | Well drained |

#### Geology

|                      |              |                                    |         |
|----------------------|--------------|------------------------------------|---------|
| <b>ExposureType:</b> | Auger boring | <b>Conf. Sub. is Parent. Mat.:</b> | No Data |
| <b>Geol. Ref.:</b>   | No Data      | <b>Substrate Material:</b>         | No Data |

#### Land Form

|                         |           |                        |           |
|-------------------------|-----------|------------------------|-----------|
| <b>Rel/Slope Class:</b> | No Data   | <b>Pattern Type:</b>   | Low hills |
| <b>Morph. Type:</b>     | Mid-slope | <b>Relief:</b>         | No Data   |
| <b>Elem. Type:</b>      | Hillslope | <b>Slope Category:</b> | No Data   |
| <b>Slope:</b>           | 2 %       | <b>Aspect:</b>         | 0 degrees |

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

|                                        |                                |                                |           |
|----------------------------------------|--------------------------------|--------------------------------|-----------|
| <b>Australian Soil Classification:</b> | N/A                            | <b>Mapping Unit:</b>           | N/A       |
| <b>ASC Confidence:</b>                 | Confidence level not specified | <b>Principal Profile Form:</b> | Gn2.12    |
|                                        |                                | <b>Great Soil Group:</b>       | Red earth |

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

|     |             |                                                                                                                                                                                                                                                                                                                                               |
|-----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A11 | 0 - 0.1 m   | Yellowish red (5YR4/6-Moist); Yellowish red (5YR5/6-Dry); ; Silty clay loam; Weak grade of structure; Dry; Very weak consistence; Field pH 5 (Raupach);                                                                                                                                                                                       |
| B21 | 0.1 - 0.2 m | Yellowish red (5YR4/8-Moist); Yellowish red (5YR5/8-Dry); ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Weak consistence; Field pH 6 (Raupach);                                                                                                                                                                     |
| B21 | 0.2 - 0.4 m | Yellowish red (5YR4/8-Moist); Yellowish red (5YR5/8-Dry); ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules, weak, segregations;Field pH 6 (Raupach);                   |
| B22 | 0.4 - 0.5 m | Yellowish red (5YR5/8-Moist); Yellowish red (5YR5/8-Dry); Substrate influence, 2.5YR36, 0-2% , Distinct; Light clay; Weak grade of structure; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules, weak, segregations;Field pH 6.5 (Raupach); |
| B22 | 0.5 - 0.6 m | Yellowish red (5YR5/8-Moist); Reddish yellow (7.5YR6/8-Dry); Substrate influence, 2.5YR58, 0-2% , Distinct; Light clay; Weak grade of structure; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Field pH 6.5 (Raupach);                                                                        |
| B23 | 0.6 - 0.7 m | Strong brown (7.5YR5/8-Moist); Substrate influence, 5YR68, 2-10% , Distinct; Light clay; Weak grade of structure; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Field pH 6.5 (Raupach);                                                                                                       |
|     | 0.7 - 0.8 m | Strong brown (7.5YR5/6-Moist); Substrate influence, 2.5YR36, 2-10% , Distinct; Light medium clay; Weak grade of structure; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach);             |
|     | 0.8 - 0.9 m | Strong brown (7.5YR5/6-Moist); Substrate influence, 2.5YR36, 2-10% , Distinct; Light medium clay; Weak grade of structure; Very weak consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach);                                                                               |

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Analyses Completed for this profile