

Project Name: Hunter Valley Soil Survey
Project Code: HV **Site ID:** CP356 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

| | | | |
|------------------------|---------------------------|-------------------|-----------|
| Desc. By: | C.J. Chartres | Locality: | Roxburgh. |
| Date Desc.: | 05/04/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 9033 1:100000 | Rainfall: | No Data |
| Northing/Long.: | 150.78611111 | Runoff: | No Data |
| Easting/Lat.: | -32.37 | Drainage: | No Data |

Geology

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

Land Form

| | | | |
|-------------------------|-------------|------------------------|---------------------|
| Rel/Slope Class: | No Data | Pattern Type: | Low hills |
| Morph. Type: | Upper-slope | Relief: | 30 metres |
| Elem. Type: | Hillslope | Slope Category: | Moderately inclined |
| Slope: | 10 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|-----------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Red Dermosol | | Principal Profile Form: | N/A |
| ASC Confidence: | | Great Soil Group: | Euchrozem |
| Confidence level not specified | | | |

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|-------------|--|
| A11 | 0 - 0.1 m | Strong brown (7.5YR4/6-Dry); ; Sandy clay loam, fine sandy; Field pH 6.5 (Raupach); Few, medium (2-5mm) roots; Clear, Smooth change to - |
| A12 | 0.1 - 0.2 m | Yellowish red (5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, medium gravelly, 6-20mm, coarse fragments; Field pH 8.5 (Raupach); Few, medium (2-5mm) roots; Clear, Wavy change to - |
| B21 | 0.2 - 0.4 m | Red (2.5YR4/6-Moist); ; Light clay; Few, medium (2-5mm) roots; Gradual, Wavy change to - |
| B22 | 0.4 - 0.8 m | Red (2.5YR4/8-Moist); ; Light medium clay (Heavy); 2-10%, coarse gravelly, 20-60mm, subangular, Andesite, coarse fragments; Field pH 9 (Raupach); Clear, Wavy change to - |
| BC | 0.8 - 1 m | Very pale brown (10YR7/4-Moist); , 5YR58, 10-20% , 5-15mm, Prominent; |

Morphological Notes

B22 Clacareous rock? Andesite? Parent material is possibly andesite.

Observation Notes

Site Notes

200 metres from hill crest. 5 cores from drip lines - over approximately 6 metres.

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[illegible]

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Laboratory Analyses Completed for this profile

| | |
|-----------|---|
| 15_NR_AL | Exchangeable aluminium - method not recorded |
| 15E1_CA | Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble |
| 15E1_K | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_MG | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15E1_NA | Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts |
| 15J_BASES | Sum of Bases |
| 3A1 | EC of 1:5 soil/water extract |
| 4C1 | pH of 1:5 soil/1M potassium chloride extract - direct |
| 6A1 | Organic carbon - Walkley and Black |
| 9B1 | Bicarbonate-extractable phosphorus - manual colour |