

**Project Name:** Hunter Valley Soil Survey  
**Project Code:** HV                      **Site ID:** CP366                      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

**Site Information**

|                        |                              |                   |  |
|------------------------|------------------------------|-------------------|--|
| <b>Desc. By:</b>       | C.J. Chartres                | <b>Locality:</b>  | Hebden/Mountain View, Clydesdale Property. |
| <b>Date Desc.:</b>     | 06/04/93                     | <b>Elevation:</b> | No Data                                    |
| <b>Map Ref.:</b>       | Sheet No. : 9133    1:100000 | <b>Rainfall:</b>  | No Data                                    |
| <b>Northing/Long.:</b> | 151.03194444                 | <b>Runoff:</b>    | No Data                                    |
| <b>Easting/Lat.:</b>   | -32.34111111                 | <b>Drainage:</b>  | No Data                                    |

**Geology**

|                      |                       |                                    |         |
|----------------------|-----------------------|------------------------------------|---------|
| <b>ExposureType:</b> | Undisturbed soil core | <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> | Steep rises 9-30m 32-56% | <b>Pattern Type:</b>   | Hills       |
| <b>Morph. Type:</b>     | Upper-slope              | <b>Relief:</b>         | 100 metres  |
| <b>Elem. Type:</b>      | No Data                  | <b>Slope Category:</b> | Steep       |
| <b>Slope:</b>           | 25 %                     | <b>Aspect:</b>         | 360 degrees |

**Surface Soil Condition (dry):**

**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> | N/A    |
|  |                                | <b>Great Soil Group:</b>       | Soloth |

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

|    |              |   |
|----|--------------|---|
| A1 | 0 - 0.1 m    | Dark greyish brown (10YR4/2-Dry); ; Sandy loam; 10-20%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Many, fine (1-2mm) roots; Clear change to -                                       |
| A2 | 0.1 - 0.18 m | Pale brown (10YR6/3-Dry); ; Sandy loam; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Common, very fine (0-1mm) roots; Abrupt change to -  |
| B2 | 0.18 - 0.4 m | Yellowish brown (10YR5/4-Moist); , 7.5YR5/6, 2-10% , 0-5mm, Distinct; Medium clay; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; Few, very fine (0-1mm) roots; Clear change to - |
| BC | 0.4 - 0.9 m  | Light yellowish brown (10YR6/4-Moist); ; Light medium clay;   |

**Morphological Notes**

|    |                          |
|----|--------------------------|
| A2 | Quartz/Metamorphic (ME). |
| BC | Shaley parent material.  |

**Observation Notes**

Shallow rocky soil.

**Site Notes**

Steep slope to West. One kilometre up valley, 20 metres from break in slope. Grassy pasture, Themeda and other species. Rosevale land system?

**Observation ID: 1**

[illegible]

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**Laboratory Analyses Completed for this profile**

|           |   |
|-----------|---|
| 15_NR_AL  | Exchangeable aluminium - method not recorded  |
| 15E1_CA   | Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) 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  |