

**Project Name:** Hunter Valley Soil Survey  
**Project Code:** HV **Site ID:** CP376 **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

**Site Information**

|                        |                           |                   |                  |
|------------------------|---------------------------|-------------------|------------------|
| <b>Desc. By:</b>       | C.J. Chartres             | <b>Locality:</b>  | Middle Falbrook. |
| <b>Date Desc.:</b>     | 07/04/93                  | <b>Elevation:</b> | No Data          |
| <b>Map Ref.:</b>       | Sheet No. : 9033 1:100000 | <b>Rainfall:</b>  | No Data          |
| <b>Northing/Long.:</b> | 151.14777778              | <b>Runoff:</b>    | No Data          |
| <b>Easting/Lat.:</b>   | -32.44888889              | <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> | Level plain <9m <1% | <b>Pattern Type:</b>   | Alluvial plain |
| <b>Morph. Type:</b>     | Flat                | <b>Relief:</b>         | No Data        |
| <b>Elem. Type:</b>      | Levee               | <b>Slope Category:</b> | Level          |
| <b>Slope:</b>           | 0 %                 | <b>Aspect:</b>         | No Data        |

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

|  |  |                                |               |
|--|--|--------------------------------|---------------|
| <b>Australian Soil Classification:</b> |  | <b>Mapping Unit:</b>           | N/A           |
| Orthic Tenosol                         |  | <b>Principal Profile Form:</b> | N/A           |
| <b>ASC Confidence:</b>                 |  | <b>Great Soil Group:</b>       | Alluvial soil |
| Confidence level not specified         |  |                                |               |

**Site Disturbance:**

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

|    |             |  |
|----|-------------|--|
| A1 | 0 - 0.1 m   | Brown (10YR4/3-Dry); ; Loamy sand; Many, very fine (0-1mm) roots; , fine (1-2mm) roots;<br>Clear, Smooth change to - |
| B  | 0.1 - 0.7 m | Brown (10YR4/3-Moist); ; Loamy sand; Common, fine (1-2mm) roots;   |

**Morphological Notes**

B Soil too loose below 70cm.

**Observation Notes**

**Site Notes**

River flat, 30 metres from trees.

**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  |