| Project Name: Project Code: Agency Name: | Hunter Valley Soil Surve HV Site ID: CSIRO Division of Soils | CP371 | Observation ID: | 1 | | |
|--|---|--|---|----------------------------|--|--|
| Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.: | n C.J. Chartres 07/04/93 Sheet No. : 9133 1:100000 151.12611111 -32.46611111 | Locality: Elevation: Rainfall: Runoff: Drainage: | Glen View. No Data No Data No Data No Data No Data | | | |
| <u>Geology</u> ExposureType: Geol. Ref.: | Undisturbed soil core No Data | Conf. Sub. is Pa Substrate Mater | | - | | |
| Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope: | No Data Mid-slope Hillslope 10 % | Pattern Type: Relief: Slope Category: Aspect: | Hills 30 metres : Gently inclined 180 degrees | | | |
| Surface Soil Co Erosion: | ondition (dry): | | | | | |
| Soil Classificat | ion | | | | | |
| Australian Soil Cl Brown Sodosol ASC Confidence Confidence level of <u>Site Disturbance</u> Vegetation: Surface Coarse | : not specified : e: | Prin | ping Unit: cipal Profile Form: at Soil Group: | N/A N/A Solodic soil | | |
| Profile Morphol | | | | | | |
| A1 0 - 0.08 r | n Greyish brown (10YR5/2 fragments; Many, fine (1 | | | 2-6mm, rounded, coarse | | |
| A2 0.08 - 0.1 | | Light grey (10YR7/1-Dry); ; Loamy sand; 50-90%, medium gravelly, 6-20mm, rounded, coarse fragments; Common, fine (1-2mm) roots; Abrupt, Wavy change to - | | | | |
| B21 0.15 - 0.4 | (); | Brown (10YR5/3-Moist); ; Medium clay; 10-20%, medium gravelly, 6-20mm, rounded, coarse fragments; Few, fine (1-2mm) roots; Gradual, Smooth change to - | | | | |
| B22 0.4 - 0.7 | - (| Brown (10YR5/3-Moist); , 10YR62, 2-10% , 5-15mm, Faint; , 7.5YR56; Medium clay; 2-10%, medium gravelly, 6-20mm, rounded, coarse fragments; Few, very fine (0-1mm) roots; Gradual, Smooth change to - | | | | |
| BC 0.7 - 1 m | | Light olive brown (2.5Y5/4-Moist); , 10YR58, 2-10% , 0-5mm, Faint; Medium clay; 10-20%, medium gravelly, 6-20mm, rounded, coarse fragments; Few, very fine (0-1mm) roots; | | | | |
| Morphological | Notes | | | | | |
| Observation No | otes | | | | | |

Brown duplex soil.

Site Notes

T.Dallas. Pasture - paspalum.

Project Name:Hunter Valley Soil SurveyProject Code:HVSite ID:Agency Name:CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Test Results:

| Depth | рН | 1:5 EC | | hangeable | Cations K | E Na | Exchangeable Acidity | CEC | ECEC | ESP |
|---|--|---|----------------|---|--------------------------------------|---------------------------------------|-------------------------|-----|---|-----------|
| m | | dS/m | Ca I | Mg | n | Cmol (+) | | | | % |
| 0 - 0.1 0.08 - 0.15 0.2 - 0.4 0.5 - 0.7 0.8 - 1 | 4.88D 5.35D 6.6D 6.75D 6.68D | 0.067A 0.057A 0.569A 1.113A 1.04A | 3.16H 3.56H | 2.15 1.93 16.27 16.92 15.73 | 0.77 0.36 0.17 0.11 0.22 | 0.09 0.22 5.08 11.67 9.89 | | | 8.17D 5.74D 25.1D 31.97[28.31[|) |
| Depth | CaCO3 | Organic | Avail. P | Total P | Total N | Total K | | | ticle Size CS FS | Analysis |
| m | % | C % | ۳ mg/kg | P % | N % | K % | Density Mg/m3 | GV | CS FS % | Silt Clay |
| 0 - 0.1 0.08 - 0.15 0.2 - 0.4 0.5 - 0.7 0.8 - 1 | | 2.9A | 4J | | | | | | | |
| Depth | COLE | | Grav | /imetric/Vo | olumetric V | Vater Con | tents | | K sat | K unsat |
| m | | Sat. | 0.05 Bar | 0.1 Bar g/ | 0.5 Bar g - m3/m | 1 Bar 3 | 5 Bar 15 | Bar | mm/h | mm/h |
| 0 - 0.1 0.08 - 0.15 0.2 - 0.4 0.5 - 0.7 0.8 - 1 | | | | | | | | | | |

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Laboratory Analyses Completed for this profile

| 15_NR_AL 15E1_CA 15E1_K 15E1_MG 15E1_NA | Exchangeable aluminium - method not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts 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 |
| | |

Observation ID: 1