| Project Project Agency | Code: | NA NA CS | | | Observation | ID: 1 | I | |
|---|---------------------------------------|---|---|--|--|----------|---|--|
| Site Info | ormation | 1 | | | | | | |
| Desc. By Date Des Map Ref. Northing Easting/L | /: sc.: :: /Long.: Lat.: | G.D. Hubble 21/09/72 Sheet No. : 9046 1:100000 150.9013888888889 -25.70638888888889 | | Locality: Elevation: Rainfall: Runoff: Drainage: | Catchment 1. 256 metres 716 Moderately rapid Moderately well drained | | | |
| <u>Geology</u> Exposure Geol. Ref | eType: f.: | Undis PLa | sturbed soil core | Conf. Sub. is Par Substrate Materi | nf. Sub. is Parent. Mat.: No Data Distrate Material: Undisturbed soil core, C | | | |
| Land Fo Rel/Slope | | Undu 10% | lating low hills 30-90m 3- | Pattern Type: | Low hills | | | |
| Morph. T Elem. Tyj Slope: | pe: | Hillsl 0 % | | Relief: Slope Category: Aspect: | 35 metres No Data No Data | | | |
| Erosion | | | on (dry): Hardsetting | | | | | |
| Australia Bleached ASC Cor | n Soil Cla -Mottled N nfidence: | assifi ⁄Iagne | cation: esic-Natric Brown Kurosol data are available. | Princ | bing Unit: Sipal Profile Fo t Soil Group: | orm: | N/A Dy3.41 Soloth | |
| Site Dist | turbance | <u>e:</u> | | | | | | |
| Vegetati | ion: | Lc | ow Strata - Tussock grass, , . | *Species includes - | Heteropogon o | contort | us, Aristida species | |
| | | Ta | all Strata - Tree, 6.01-12m, M | lid-dense. *Species | includes - Euca | alyptus | crebra | |
| Surface | Coarse | Frag | ments: | | | | | |
| Profile N | Morpholo | ogy | | | | | | |
| A1 (| 0 - 0.1 m | | Very dark greyish brown (1 Moist; Firm consistence; 10 Common, very fine (0-1mm |)-20%, fine gravelly, | 2-6mm, angula | | | |
| A21 (| 0.1 - 0.2 n | n | Brown (10YR5/3-Moist); ; L consistence; 20-50%, fine g fine (0-1mm) roots; Gradua | gravelly, 2-6mm, and | | | | |
| A22 (| 0.2 - 0.25 | m | Pale brown (10YR6/3-Mois consistence; 20-50%, fine g 1mm) roots; Clear change t | gravelly, 2-6mm, and | | | of structure; Moist; Weak fragments; Few, very fine (0- | |
| A22 (| 0.25 - 0.3 | m | Pale brown (10YR6/3-Mois structure; Moderately moist Gravel, coarse fragments; F | ; Weak consistence | ; 50-90%, medi | ium gra | | |
| A22 (| 0.3 - 0.34 | m | Pale brown (10YR6/3-Mois grade of structure; Dry; Ver Gravel, coarse fragments; F | y weak consistence | ; 20-50%, medi | ium gra | avelly, 6-20mm, angular, | |
| B21 (| 0.34 - 0.5 ⁻ | 1 m | Yellowish brown (10YR5/4- Prominent; Heavy clay; Mo Strong consistence; 2-10% fine (0-1mm) roots; Gradua | derate grade of stru , fine gravelly, 2-6m | cture, 5-10 mm | n, Polył | nedral; Moderately moist; | |
| B22 (| 0.51 - 0.6 | m | Reddish brown (5YR4/4-Mo Angular blocky; Moderately Gravel, coarse fragments; (| moist; Very firm co | nsistence; 20-5 | | de of structure, 10-20mm, ne gravelly, 2-6mm, angular, | |
| BC (| 0.6 - 0.7 n | n | clay loam; Weak grade of s | tructure, 10-20 mm, | Angular blocky | y; Mod | 0-5mm, Faint; Coarse sandy erately moist; Very firm fragments; Gradual change | |

| Project Code: N/ | AR AR Site ID: B806 Observation ID: 1 SIRO Division of Soils (QLD) |
|--------------------|---|
| C 0.7 - 0.9 m | Very pale brown (10YR8/4-Moist); , 5YR68, 20-50% , 0-5mm, Prominent; , 10YR51, 20-50% , 0- 5mm, Prominent; Coarse sandy loam; Massive grade of structure; Moderately moist; Strong consistence; 90-100%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Diffuse change to - |
| C 0.9 - 1.02 m | Very pale brown (10YR8/3-Moist); , 5YR44, 20-50% , 0-5mm, Prominent; , 10YR41, 20-50% , 0- 5mm, Prominent; Coarse sandy loam; Massive grade of structure; Moderately moist; Very firm consistence; 90-100%, fine gravelly, 2-6mm, angular, Gravel, coarse fragments; Clear change to - |
| 1.02 - 1.12 m | ; |
| 1.12 - 1.2 m | ; |
| 1.2 - 1.5 m | ; |
| 1.5 - 1.8 m | ; |
| Morphological Note | <u>s</u> |

Observation Notes SOME ROUNDED SILICA GRAVEL IN BASE OF A2, QUARTZ AND WEATHERED FELDSPARGRIT BELOW: 102-180 pB, LB, G ALTERED ADAMELLITE IN SITU GRITTY CKS, 20- 50%, 2-6MM QUARTZ WEATHERED FELDSPAR GRIT. LAYERS RENUMBERED 7-10-92

Site Notes

NARAYEN

| Project Name: | NAR | | | |
|---------------|--------------|----------------|------|--|
| Project Code: | NAR | Site ID: | B806 | |
| Agency Name: | CSIRO Divisi | on of Soils (C | QLD) | |

Laboratory Test Results:

| Depth | рН | 1:5 EC | | hangeabl | | | Exchangeable | CEC | ECEC | ESP |
|---|--|--|-------|----------|------|------------|-------------------|-----|------|-----|
| m | | C dS/m | a | Mg | K | Na Cmol | Acidity (+)/kg | | | % |
| 0 - 0.1 0.1 - 0.2 | 5.1H 4.9H | 0.028A 0.025A | 1.2K | 0.69 | 0.25 | 0.02 | 2.3D | | | |
| 0.2 - 0.25 0.25 - 0.3 0.3 - 0.34 | 5.2H 5.3H 5.6H | 0.025A 0.025A 0.025A | 0.17K | 0.57 | 0.1 | 0.04 | 1.1D | | | |
| 0.35 - 0.4 0.51 - 0.6 | 5.4H 5.3H | 0.05A 0.068A | 0.19K | 8.1 | 0.29 | 1.2 | 2.5D | | | |
| 0.6 - 0.7 0.7 - 0.9 0.9 - 1.02 1.02 - 1.12 1.15 - 1.2 1.2 - 1.5 1.5 - 1.8 | 5.2H 5.1H 4.8H 4.6H 4.8H 5.1H 5.2H | 0.092A 0.144A 0.265A 0.43A 0.33A 0.184A 0.148A | 0.2K | 14.5 | 0.38 | 3.4 | 14.2D | | | |
| | | | | | | | | | | |

Observation ID: 1

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Pa | rticle | Size A | nalysis | 5 |
|-------------|-------|---------|--------|-------|--------|-------|---------|-----|--------|--------|---------|------|
| | | C | Р | Р | N | к | Density | GV | CS | FS | Silt | Clay |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | | |
| | | 0.404 | | 4705 | 0.0455 | | 4 70 | 4.0 | ~~~ | ~ ~ ~ | • | |
| 0 - 0.1 | | 0.48A | 11B | 170F | 0.045B | 5.22B | 1.70 | 16 | 68C | | 8 | 4 |
| 0.1 - 0.2 | | 0.22A | 2B | | 0.03B | | 1.60 | 31 | 63C | - | 7 | 5 |
| 0.2 - 0.25 | | 0.16A | 2B | | 0.018B | | 1.60 | 37 | 75C | 17 | 5 | 4 |
| 0.25 - 0.3 | | 0.22A | 2B | | 0.018B | | 1.90 | 53 | 69C | 20 | 7 | 5 |
| 0.3 - 0.34 | | 0.1A | | | 0.013B | | 1.80 | 33 | 68C | 18 | 6 | 9 |
| 0.35 - 0.4 | | 0.16A | 1B | 310F | 0.024B | 3.42B | 1.70 | 8 | 39C | 19 | 8 | 35 |
| 0.51 - 0.6 | | 0.1A | | | 0.037B | | 1.60 | 34 | 35C | 16 | 20 | 31 |
| 0.6 - 0.7 | | | <1B | 350F | | 1.32B | 1.60 | 28 | 42C | 19 | 17 | 23 |
| 0.7 - 0.9 | | | <1B | | | | 1.30 | 16 | 48C | 22 | 17 | 15 |
| 0.9 - 1.02 | | | | | | | 1.80 | 18 | | | | |
| 1.02 - 1.12 | | | | | | | 0.87 | 33 | 39C | 15 | 15 | 32 |
| 1.15 - 1.2 | | | | | | | 1.70 | 36 | | | | |
| 1.2 - 1.5 | | | | | | | | 40 | 60C | 14 | 19 | 9 |
| 1.5 - 1.8 | | | | | | | 1.90 | 34 | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | K sat | K unsat | | | |
|-------|------|---------------------------------------|----------|--|-----------------------|------------|---------|--------|------|------|
| m | | Sat. | 0.05 Bar | | 0.5 Bar /g - m3/m3 | 1 Bar 3 | 5 Bar | 15 Bar | mm/h | mm/h |

 $\begin{array}{c} 0 - 0.1 \\ 0.1 - 0.2 \\ 0.2 - 0.25 \\ 0.25 - 0.3 \\ 0.3 - 0.34 \\ 0.35 - 0.4 \\ 0.51 - 0.6 \\ 0.6 - 0.7 \\ 0.7 - 0.9 \\ 0.9 - 1.02 \\ 1.02 - 1.12 \\ 1.15 - 1.2 \\ 1.2 - 1.5 \end{array}$

Project Name: NAR Project Code: NAR Site ID: B806 Agency Name: CSIRO Division of Soils (QLD)

1.5 - 1.8

Observation ID: 1

| Project Name: | NAR | | |
|---------------|-----------|-------------------|------|
| Project Code: | NAR | Site ID: | B806 |
| Agency Name: | CSIRO Div | ision of Soils (C | QLD) |

Laboratory Analyses Completed for this profile

| 10A_NR 15_NR_CA 15_NR_H 15_NR_K 15_NR_MG 15_NR_NA 17A_NR 2A1 3A1 4_NR 5_NR 6A1 7_NR 9G_BSES P10_GRAV P10_NR_C P10_NR_CS P10_NR_FS P10_NR_Z | Total element - S(%) - Not recorded Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Total element - K(%) - Not recorded Air-dry moisture content EC of 1:5 soil/water extract pH of soil - Not recorded Water soluble Chloride - Cl(%) - Not recordede Organic carbon - Walkley and Black Total element - P(%) - Not recorded Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES) Gravel (%) Clay (%) - Not recorded Fine sand (%) - Not recorded Silt (%) - Not recorded |
|--|--|
| | |
| | |

Observation ID: 1