

**Project Name:** NAR  
**Project Code:** NAR      **Site ID:** B768      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (QLD)

**Site Information**

<b>Desc. By:</b>	G.D. Hubble	<b>Locality:</b>	
<b>Date Desc.:</b>	12/05/71	<b>Elevation:</b>	230 metres
<b>Map Ref.:</b>	Sheet No. : 9046    1:100000	<b>Rainfall:</b>	716
<b>Northing/Long.:</b>	150.902777777778	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	-25.704166666667	<b>Drainage:</b>	No Data

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	PRT	<b>Substrate Material:</b>	Auger boring, 0.35 m deep,Adamellite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	9.2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**    Hardsetting

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Basic Paralithic Orthic Tenosol		<b>Principal Profile Form:</b>	Uc4.11
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Lithosol
All necessary analytical data are available.			

**Site Disturbance:**    No effective disturbance other than grazing by hoofed animals

**Vegetation:**    Low Strata - Tussock grass, , . \*Species includes - Heteropogon contortus  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Weak grade of structure, 2-5 mm, Polyhedral; Moist; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.2 (pH meter); Common, very fine (0-1mm) roots; Gradual change to -
A2	0.2 - 0.35 m	Brown (10YR5/3-Moist); ; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 6.5 (pH meter); Few, very fine (0-1mm) roots; Gradual change to -
C	0.35 - 0.5 m	Dark greyish brown (10YR4/2-Moist); , 10YR53, 20-50% , 0-5mm, Distinct; , 5YR66, 20-50% , 0-5mm, Distinct; Clayey coarse sand; Massive grade of structure; Moist; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Gravel, coarse fragments; Field pH 7.2 (pH meter);

**Morphological Notes**

**Observation Notes**

GRAVELS DOMINANTLY FELDSPAR WITH SOME QUARTZ. LAYERS RENUMBERED 5-10-92

**Site Notes**

NARAYEN

**Observation ID: 1**

**Laboratory Test Results:**

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.2	6.4H	0.01B	3.3K	2.1	0.4	0.05	2.8D			
0.2 - 0.35										
0.35 - 0.5	7.4H	<0.01B	1.43K	1.83	0.06	0.65	1.96D			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2		0.9A	57B	450F	0.081B	2.6B		75	52C	30	8	9
0.2 - 0.35												
0.35 - 0.5				770F		2.5B		40	67C	20	4	10

[illegible]

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**Laboratory Analyses Completed for this profile**

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