

Project Name: Soil Investigation of the Plateau and Associated Landforms from the Headwaters of the

Fish River

Project Code: FISHR_2010 **Site ID:** 60 **Observation ID:** 1
Agency Name: NT Natural Resources, Environment and the Arts

Site Information

Desc. By:
Date Desc.: 17/06/10 **Locality:**
Map Ref.: **Elevation:** No Data
Northing/Long.: 130.631238 **Rainfall:** No Data
Easting/Lat.: -14.288087 **Runoff:** Moderately rapid
Datum: GDA94 **Drainage:** No Data

Geology

Exposure Type: No Data **Conf. Sub. is Parent. Mat.:** No Data
Geol. Ref.: No Data **Substrate Material:** Ferricrete

Landform

Rel/Slope Class: No Data **Pattern Type:** Plain
Morph. Type: No Data **Relief:** No Data
Elem. Type: Plain **Slope Category:** No Data
Slope: 0.5 % **Aspect:** No Data

Surface Soil Condition

Erosion

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 Acidic Ferric-Petroferric Leptic Rudosol Very gravelly Sandy Very shallow **Principal Profile Form:** N/A
ASC Confidence: **Great Soil Group:** N/A
 All necessary analytical data are available.

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.07 m Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Field pH 5.5 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	Na	Acidity			%
					Cmol (+)/kg				
0 - 0.07	4.6C 5.5A	0.01A	0.27H	0.11	0.03	0.01	0.37J		

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
		%						%
0 - 0.07 5		1.2A	7J		0.08D			2 54.3A 36.6 4.1
								90.9G

Laboratory Analyses Completed for this profile

10D1	Potassium chloride - 40 sulfur (KCl-40)-S
12A1_CU	DTPA - extractable copper, zinc, manganese and iron
12A1_FE	DTPA - extractable copper, zinc, manganese and iron
12A1_MN	DTPA - extractable copper, zinc, manganese and iron
12A1_ZN	DTPA - extractable copper, zinc, manganese and iron
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble salts
salts	
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
18A1	Bicarbonate-extractable potassium
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1	Organic carbon - Walkley and Black
7A5	Total nitrogen - high frequency induction furnace, thermal conductivity
9B1	Bicarbonate-extractable phosphorus - manual colour
P10_CF_C	Clay (%) - Coventry and Fett pipette method
P10_CF_CS	Coarse sand (%) - Coventry and Fett pipette method
P10_CF_FS	Fine sand (%) - Coventry and Fett pipette method
P10_CF_S	Sand (%) - Coventry and Fett pipette method
P10_CF_Z	Silt (%) - Coventry and Fett pipette method
P10_GRAV	Gravel (%)