Project Name: **Soil Investigation of the Plateau and Associted Landforms from the Headwaters of the Fish River**

Project Code: **FISHR_2010** **Site ID:** **66** **Observation ID:** **1**
Agency Name: **NT Natural Resources, Environment and the Arts**

Site Information

Desc. By:
Date Desc.: 18/06/10
Map Ref.:
Northing/Long.: 130.986239
Easting/Lat.: -14.280238 Datum: GDA94

Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very rapid
Drainage: No Data

Geology

ExposureType: No Data
Geol. Ref.: No Data

Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Limestone

Landform

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: Hillcrest
Slope: 0.3 %

Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Erosion

Soil Classification

Australian Soil Classification:
Hyperbasic Lithic Calcic Calcarosol Thin Very gravelly Clay-loamy Very shallow

Mapping Unit: N/A
Principal Profile Form: N/A

ASC Confidence:
All necessary analytical data are available.

Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A1 0 - 0.03 m Very dark grey (2.5Y3/1-Moist); ; Clay loam; Weak grade of structure; Earthy fabric; Field pH 8.1 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Project Name: **Soil Investigation of the Plateau and Associted Landforms from the Headwaters of the**
Project Code: **FISHR_2010** **Site ID:** **66** **Observation** **1**
Agency Name: **NT Natural Resources, Environment and the Arts**

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.03	7.2C 8.1A	0.254A	39.25H	3.59	0.53	0.04	0.001J			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis		
		Clay							CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%		
0 - 0.03	5.5	6.58A	168J		0.89D			4	15.9A 59.4G	43.5	35.1

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 (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble 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
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 (%)