

Regulation 8

THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Act

WR4/3

FINAL STATEMENT OF BORE

28/257

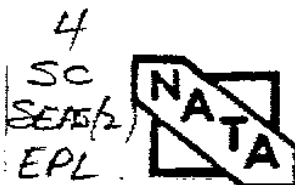
From	To	Description of Strata (including colour and hardness)	Name of Bore —			
0-3	Red Sand		RN 14943			
3-6	Clay		Name of Property —			
6-51	White Sand stone		MT. SKINNER			
51-81	Clays		Description of Property —			
81-110	Broken Sand stone & Clays.		CATTLE STN			
			Name of Owner —			
			BOB BARRER			
			Name of Contractor —			
			ROWMAN & HUGHES			
			Name of Driller —			
			TREVOR HUGHES			
Location of Bore (or supply sketch on the back hereof) —			Date of Commencement —			
.....1.5 mtrs			11.3.87			
(a) S SE of (b) From Advice A72/2			Date of Completion —			
E NW			11.3.87			
WSW			Total Depth —			
(a) Circle appropriate direction.			110 m			
(b) Use known point such as existing bore, homestead, outstation, etc.			Particulars of Casing — 6mt. 8" P.V.C.			
Additional information of interest about bore.			110 1/2 m 6" P.V.C (CLASS 12)			
Grid Reference 206 255			Particulars of Perforations or Screens —			
Map Number SF53-6 BARRON CK			12 mtr ON BOTTOM			
Samples of Strata and Water Supplies			Water	1st Supply only	2nd Supply only	3rd Supply only
have been* will be*			Struck at			
left at the following place			98 m			
A/S			Standing Water Level			
Signature			77 m			
*Delete non applicable			Pumping Supply Litres/sec	1.25 Hrs. per Sec		
For Office use only —			Duration of Pump Test	4 hrs		
			Water Level During Test	AIR LIFT		
			Quality: Good, Fair or Bad	GOOD		

22403.212

G. L. DUFFIELD, Government Printer of the Northern Territory

WATER ANALYSIS

**POWER
AND
WATER
AUTHORITY**
WATER DIRECTORATE



Laboratory Register No.

87/88/1225

Date received in Laboratory

25/3/88

Bottle No.

PVI

Time of sampling

1200

Date of sampling

10/3/88 ✓

LOCATION AND DETAILS

MOUNT SKINNER DEEP BORE R/N 14943 DISCH 1-5LPS
COND 1175 MAP SF 53/10 G.R. 206-255 P/N° 8150 RSP306

ANALYSIS — PHYSICAL

<input type="checkbox"/> pH	7.6	<input type="checkbox"/> Colour (Hazen units)
<input type="checkbox"/> Specific conductance (microsiemens/cm at 25° C)	1190	<input type="checkbox"/> Turbidity (NTU's)
<input type="checkbox"/> Total dissolved solids (mg/l - by evaporation at 180° C)	735	<input type="checkbox"/> Suspended solids (mg/l)

ANALYSIS — CHEMICAL (mg/l)

<input type="checkbox"/> Sodium, Na	119	<input type="checkbox"/> Chloride, Cl	155
<input type="checkbox"/> Potassium, K	31	<input type="checkbox"/> Sulphate, SO ₄	69
<input type="checkbox"/> Calcium, Ca	69	<input type="checkbox"/> Nitrate, NO ₃	26
<input type="checkbox"/> Magnesium, Mg	29	<input type="checkbox"/> Bicarbonate, HCO ₃	370
<input type="checkbox"/> Total Hardness (as CaCO ₃)	292	<input type="checkbox"/> Carbonate, CO ₃	
<input type="checkbox"/> Total Alkalinity (as CaCO ₃)	303	<input type="checkbox"/> Fluoride, F	1.0
<input checked="" type="checkbox"/> Iron, (total) Fe	0.4	<input type="checkbox"/> NaCl (calc. from chloride)	255
<input type="checkbox"/> Silica, SiO ₂	50		

ANALYSIS — ADDITIONAL (mg/l)

<input type="checkbox"/> Copper, Cu	<input type="checkbox"/> Lead, Pb	<input type="checkbox"/> Arsenic, As
<input type="checkbox"/> Manganese, Mn	<input type="checkbox"/> Zinc, Zn	<input type="checkbox"/> Cadmium, Cd
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

Date

Boxes marked thus ☐

Indicate levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia", 1987; issued by the National Health and Medical Research Council and the Australian Water Resources Council.

☒ Levels exceed non-health related limits.

☒ Levels exceed health related limits.

GPO Box 1096, Darwin NT 5794
Telex AAN5644
Facsimile (0891) 41 0703

GEOLOGICAL LOG OF WATER BORE

Locality

Bore Name

R.N.

14 94 3

Tenure

IN

1:250000 Sheet

1:1000 000 Sheet

DATA FILE:

Grid Reference
Summary Log:

Depth (m) Lithology

Stratigraphic Unit

GEOPHYSICAL LOGS AVAILABLE

TO

Major Aquifers

Depth (m) Yield (Ls¹)Approx SWL (m)
Type

Total Depth

Drilling Technique

Casing

Perforations

Detailed Log

Borehole Skimmer RN 14943

room

- 0 - 3. Dk red/brown mg. dense sand with even sized laterite fragments
- 3 - 6. weathered mottled red/brown. white fr. mg. of sandstone
- 6 - 81 v white weathered fractured lg. siliceous sandstone trending to be massive in places with abundant kaolinitic clay. sample return as a single fragment & chips/fragments
- 81 - 110 white/grey kaolinitic sandstone fractured thro' out. minor brown & white siltstone bands looks at 81m. odd.

LOGGED BY:

(SHELL003)

WATER ANALYSIS

Department of Transport & Works
Water Division, Darwin N.T.

4
S. CLARKE
SEAS(2)
EPL:



Laboratory Register No.

86/87/2008

Date received in Laboratory

30.4.87

Time of sampling

1200

Date of sampling

11.3.87



WR 4/1A

Bottle No.

PJ12

LOCATION AND DETAILS MOUNT SKINNER R/N 14943 DEPTH 110m

DISCH 1.25LPS MAP SF 53-6 G.R. 206255 WRA 6016 RSP 306

Proposed water use:- Domestic, Stock, Irrigation, other (specify)

ANALYSIS — PHYSICAL

<input type="checkbox"/> pH	7.3	<input type="checkbox"/> Colour (Hazen units)	
<input type="checkbox"/> Specific conductance (microsiemens/cm at 25° C)	1260	<input type="checkbox"/> Turbidity (NTU's)	
<input type="checkbox"/> Total dissolved solids (mg/L - by evaporation at 180° C)	745	<input type="checkbox"/> Suspended solids (mg/L)	

ANALYSIS — CHEMICAL (mg/L)

<input checked="" type="checkbox"/> Sodium, Na	125	<input type="checkbox"/> Chloride, Cl	173
<input type="checkbox"/> Potassium, K	34	<input type="checkbox"/> Sulphate, SO ₄	77
<input type="checkbox"/> Calcium, Ca	73	<input type="checkbox"/> Nitrate, NO ₃	32
<input type="checkbox"/> Magnesium, Mg	32	<input type="checkbox"/> Bicarbonate, HCO ₃	332
<input type="checkbox"/> Total Hardness (as CaCO ₃)	314	<input type="checkbox"/> Carbonate, CO ₃	
<input type="checkbox"/> Total Alkalinity (as CaCO ₃)	272	<input type="checkbox"/> Fluoride, F	1.3
<input checked="" type="checkbox"/> Iron, (total) Fe	3.2	<input type="checkbox"/> Orthophosphate, PO ₄	
<input type="checkbox"/> Silica, SiO ₂	36	<input type="checkbox"/> NaCl (calc. from chloride)	285

ANALYSIS — ADDITIONAL (mg/L)

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<input checked="" type="checkbox"/> Manganese, Mn	<input type="checkbox"/> Zinc, Zn	<input type="checkbox"/> Cadmium, Cd
<input type="checkbox"/> Nickel, N	<input type="checkbox"/> Cobalt, Co	<input type="checkbox"/>

THE SAMPLE AS ANALYSED ~~COMPLIES~~/DOES NOT COMPLY WITH NORTHERN TERRITORY DRINKING
WATER STANDARDS AS RECOMMENDED BY THE NORTHERN TERRITORY DEPARTMENT OF HEALTH.



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With suitable treatment the Iron

concentration may be lowered to an

acceptable level.

Analysed By:

Date

4.6.87

Boxes marked thus ☒ indicate levels considered undesirable for drinking water by the
Northern Territory Department of Health.

BORE DATA - MASTER INDEX - COMPUTER INPUT SHEET

Condition GoodRN 14943 INDEX 28/257NAME (30) DEEP BORE DUPLICATELOCATION (30) 20 KM NTH OF NEW BORE RN 627CADASTRAL (35) MT SKINNER

PL _____

S/NAV ☒ GPS/TRANS EL 41 AZM 196 H 3.2 V 3.0 CT - NO 4 NO'S 6/11-7AMG _____ ZONE 53 EASTING 426586 NORTHING 7569112LATITUDE 21° 58' 25.2LONGITUDE 134° 17' 33.3LOCATION PRECISION 4AWRC BASIN NUMBER 1206 (4)OLD IMP GRID SF53/6 206255 1250000 BARROW CKNEW IMP GRID COMP/CONVERSION 206711 2755550RSP _____ DISCHARGE 1.5 LPS. DEPTH SAMPLED _____SAMPLE NO. P001 TIME 1200 HRS.~~CONDUCTIVITY~~ 1.175T-DEPTH IF MEASURED ☒ METERSSWL IF MEASURED ☐ METERSBORE EQUIPPED WITH BMK3 MONO 7 HP LISTER +/PODPUMPS 1K STH TO 35, SET ON HIGH + TROUGH 2 X
SOOTH SUMAL TRAP YARD. (X 1 1/2" POLY)TANK 1/2 FULLCOMMENTS: 16M WEST OF MILL RN 4382TAG LOCATION: PUMP FRAMEUSED FOR: STOCKINSPECTING OFFICER [Signature]DATE 10-3-88

WATER ANALYSIS

**POWER
AND
WATER
AUTHORITY**
WATER DIRECTORATE



4
SC
SERIAL
EPL



28/257



RN014943

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GPU Box 1096, Darwin NT 5794

Telex AAS644

Facsimile (089) 41 0703

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Water Division, Darwin N.T.

S. CLARKE
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