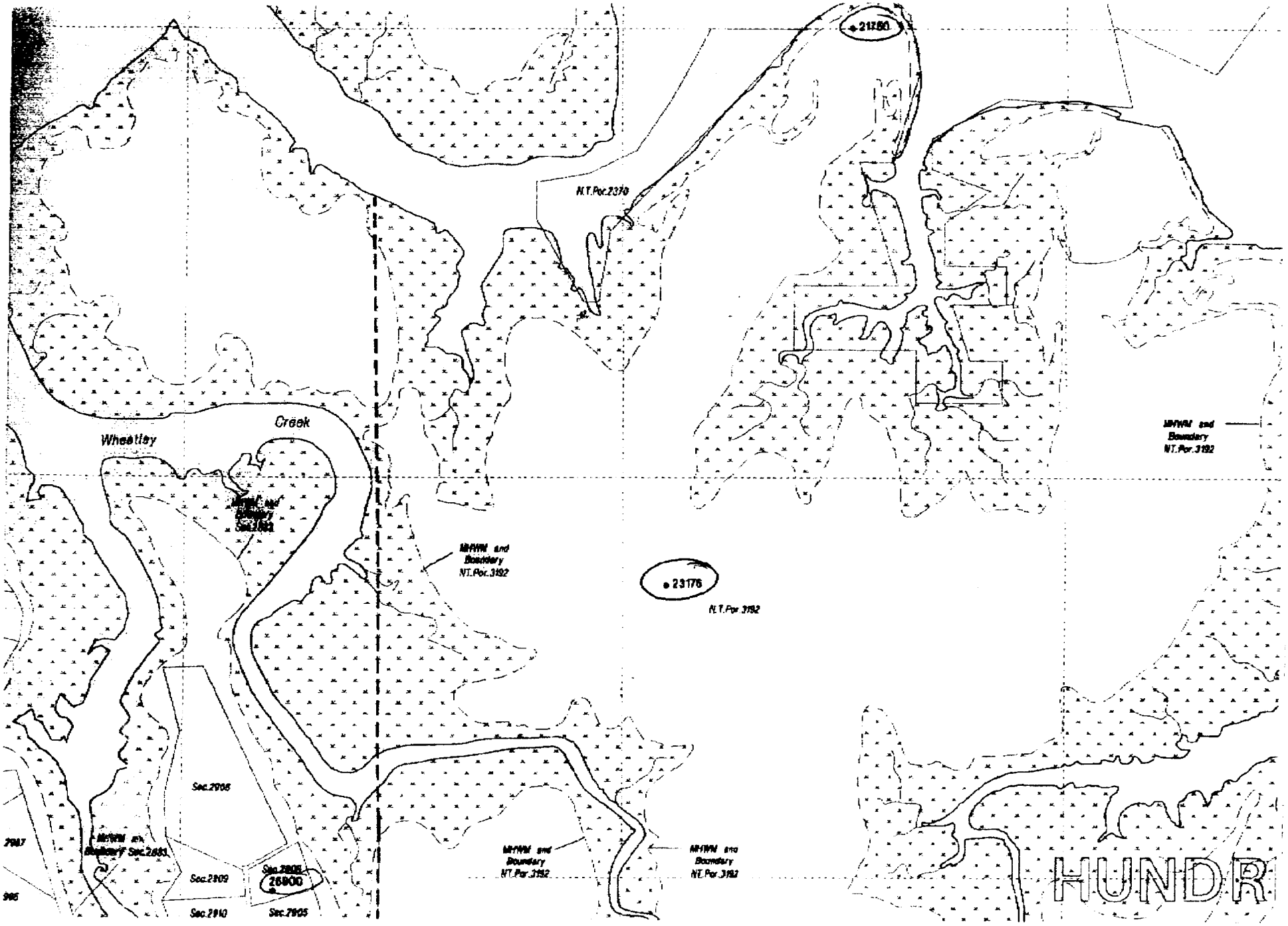
Wheatley
Creek
N.T.Por.2370
MHWM and Boundary N.T.Por.3192
MHWM and Boundary Sec.2883
MHWM and Boundary N.T.Por.3192
MHWM and Boundary N.T.Por.3192
MHWM and Boundary N.T.Por.3192
MHWM and Boundary N.T.Por.3192
MHWM and Boundary Sec.2883
Sec.2906
Sec.2909
Sec.2910
Sec.2905
Sec.2908
26900
23176
N.T.Por.3192
HUNDR

WATER ANALYSIS

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

WR 4/1A

Laboratory Register No.	82/1735
Date received in Laboratory	27/9/82

Bottle No.	Time of sampling	Date of sampling
DW73		

LOCATION AND DETAILS

POINT CEYLON HATCHERY WELL RN21750 DEPTH 10.5m DISCH 0.1LPS

WRD 6002 80/2036 RSP901

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

ANALYSIS — PHYSICAL

☒ pH	3.0	☐ Colour (Hazen units)	
☐ Specific conductance (microsiemens/cm at 25° C)	17400	☐ Turbidity (NTU's)	
☐ Total dissolved solids (mg/l - by evaporation at 180° C)		☐ Suspended solids (mg/l)	

ANALYSIS — CHEMICAL (mg/l)

☐ Sodium, Na		☐ Chloride, Cl	6130
☐ Potassium, K		☐ Sulphate, SO^4	
☐ Calcium, Ca		☐ Nitrate, NO^3	
☐ Magnesium, Mg		☐ Bicarbonate, HCO^3	
☐ Total Hardness (as $CaCO^3$)		☐ Carbonate, CO^3	
☐ Total Alkalinity (as $CaCO^3$)	3030	☐ Fluoride, F	
☐ Iron, (total) Fe		☐ Orthosphosphate, PO^4	
☐ Silica, SiO^4		☐ NaCl (calc. from chloride)	10100

ANALYSIS — ADDITIONAL (mg/l)

☐ Copper, Cu	☐ Lead, Pb	☐ Arsenic, As
☐ Manganese, Mn	☐ Zinc, Zn	☐ Cadmium, Cd
☐	☐	☐

SAMPLE CHANGED TO LIMITED ANALYSIS AS SPECIFIC CONDUCTANCE IS TOO HIGH

The sample as analysed is considered suitable for:-

Drinking water —	Yes/No	Stock watering —	Yes/No
Irrigation —	Yes/No	Others (specify)	Yes/No

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.

Analysed By: G. JOHNSTON Date 1/1 / 10 82.

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

A. S. CAUDELL, Government Printer of the Northern Territory

Regulation 8

THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Ordinance

WR4/3

FINAL STATEMENT OF BORE

I.N. 80/2036
R.N. 21750

From	To	Description of Strata
LATERITE		
Clay - White, Pink.		

Location of Bore (or supply sketch on the back hereof) —
150 m Due South of
.....Miles Point Taylor Coastline

(a) S SE of (b).....
E NW
W SW .....

(a) Circle appropriate direction.
(b) Use known point such as existing bore, homestead, outstation, etc.

6 R 688 950 on 1:100 000 Bynoe

Additional information of interest about bore. Zone 52

Grid Reference E 688500 - N 8595000 38 815.

Map Number Bynoe 1:100 000 Stock 5072

Samples of Strata and Water Supplies

have been* will be*

left at the following place —

.....

.....
Signature

*Delete non applicable

INFO. SUPPLIED BY R. JETTNER

For Office use only —

Plotted 24/9/82

Name of Bore — Hatchery Well

Name of Property — FINNIS RIVER P.L.

Description of Property — PASTORAL LEASE

Name of Owner — Teeri Co Pty Ltd

Name of Contractor — BLACKMORE DRILLERS

Name of Driller —

Date of Commencement — July '82

Date of Completion —

Total Depth — 10.5 m (Now 8.5m)

Particulars of Casing — 90mm
6m R/length Galvanized

Particulars of Perforations or Screens —

Water	1st Supply	2nd Supply	3rd Supply
Struck at	3 m		
Standing Water Level	3 m		
Pumping Supply Litres/sec	(0.06 — 0.18 L/s) 50 - 170 g.p.h.		
Duration of Pump Test			
Water Level During Test			
Quality: Good, Fair or Bad			

80/2485

WATER ANALYSIS

Department of Transport & Works
Water [illegible]n, Darwin N.T.

WR 4/1A

Laboratory Register No	E4-85 | 0889
Date received in Laboratory	24-10-85
Bottle No. JA36	Time of sampling 1045	Date of sampling 23-10-85

LOCATION AND DETAILS POINT CEYLON RN 23176 DEPTH 25M DISCH 0.64 LPS

CONTD 2600 WRD 6002 RSP 901

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

ANALYSIS — PHYSICAL

☐ pH	7.1	☐ Colour (Hazen units)	
☐ Specific conductance (microsiemens/cm at 25° C)	270	☐ Turbidity (NTU's)	
☐ Total dissolved solids (mg/L - by evaporation at 180° C)	190	☐ Suspended solids (mg/L)	

ANALYSIS — CHEMICAL (mg/L)

☐ Sodium, Na	12	☐ Chloride, Cl	8
☐ Potassium, K	2	☐ Sulphate, SO_4	6
☐ Calcium, Ca	9	☐ Nitrate, NO_3	<1
☐ Magnesium, Mg	21	☐ Bicarbonate, HCO_3	156
☐ Total Hardness (as $CaCO_3$)	109	☐ Carbonate, CO_3	
☐ Total Alkalinity (as $CaCO_3$)	128	☐ Fluoride, F	0.3
☐ Iron, (total) Fe	0.4	☐ Orthophosphate, PO_4	
☐ Silica, SiO_2	70	☐ NaCl (calc. from chloride)	12

ANALYSIS — ADDITIONAL (mg/L)

☐ Copper, Cu	☐ Lead, Pb	☐ Arsenic, As
☐ Manganese, Mn	☐ Zinc, Zn	☐ Cadmium, Cd
☐ Nickel, N	☐ Cobalt, Co	☐

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

Analysed By: [illegible] Date 1/11/85

Boxes marked thus ☒ indicate [illegible] is considered undesirable for drinking water by the *Northern Territory Department of Health.*

Regulation 8

THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Act

FINAL STATEMENT OF BORE

I.N. 80/2485

R.N. 23,176

From	To	Description of Strata (including colour and hardness)
0·0	7·0	Greenish brown clay
7·0	11·5	As above, damp.
11·5	15·0	Moderately fresh, schistose chloritic and biotitic rock. Fresh pyrite.
15·0	36·0	As above, with brecciated quartz. Lies on Pt Ceylon Fault.

Stratigraphy: Hermit Ck Metamorphics - wst Litchfield complex.

Location of Bore (or supply sketch on the back hereof)

.... km

(a) S SE E NW W SW of (b) AC GOLD GRID 62N 9W

(a) Circle appropriate direction.
(b) Use known point such as existing bore, homestead, outstation, etc.

Additional information of interest about bore. 667750 E 8591900 N

Grid Reference (92 68) ~~676~~

Map Number BYNOE 5072 1:100,000

Samples of Strata and Water Supplies

have been* ~~will be*~~

left at the following place — STRATA ON SITE, WATER SAMPLE AT WATER RESOURCES

David Porter

Signature

*Delete non applicable

For Office use only —

Plotted 23/8/84

Name of Bore	FF 478
Name of Property	BYNOE
Description of Property	E.L. 1753
Name of Owner	AUSTRALIAN COAL & GOLD HOLDINGS LTD
Name of Contractor	AS ABOVE
Name of Driller	E. LETZ
Date of Commencement	17. 11. 83
Date of Completion	17. 11. 83
Total Depth	36 m
Particulars of Casing	CASED TO 18.0 m 125 mm PVC
Particulars of Perforations or Screens	SLOTTED 16 - 18 m

Water	1st Supply only	2nd Supply only	3rd Supply only
Struck at	11·5	15·0	25·0
Standing Water Level	11·5		
Pumping Supply Litres/sec.	NIL.	(0.25 - 0.5) 200-500	(2.5 L/s) 2000
Duration of Pump Test		AIRLIFTED 15 min	AIRLIFTED 2 hr.
Water Level During Test			
Quality: Good, Fair or Bad	GOOD	GOOD	GOOD.

22484 812 G. L. DUFFIELD, Government Printer of the Northern Territory

POINT CEYLON 22/10/85

TEST PUMPING

Introduction

On the 22/10/85 a pump test crew visited Point Ceylon to test RN 23176.

Work Done

On the 22/10/85 a mono 620 pump was set at 18.80 m and a preliminery test started at 0.64 L/s, discharge was clear and conductivity 260.

The bore forked at 23 minutes into the test. Pumping 0.4 L/s to 0.5 L/s on the fork, still clear discharge. On 23/10/85 the mono 620 was lowered to 25 m and a test started at 0.64 L/s the lowest we could pump. The discharge was clear, conductivity 240, the bore forked pumping 0.4 L/s to 0.5 L/s on fork. After 47 minutes, recovery was taken and bore recovered to 2.95 m to S.W.L. in 90 minutes.

Comments

Total depth of bore before testing was 32.50 m after testing the total depth was 28.35 m. When running the pump it was noted that the column was dragging the sides of the bore, this may indicate the bore is not straight. Also it was very difficult to get reading as the mega line kept jamming as the bore drew down, this bore is only cased with 125 mm PVC to 18 m.

ANTHONY PARKER