

## WATER ANALYSIS

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



Laboratory Register No.

82/0949

Date received in Laboratory

9/6/82

WR 4/1A

Bottle No.  
PI23

Time of sampling

Date of sampling

19/5/82

## LOCATION AND DETAILS

CABBAGE GUM RN 5293 in 215/110 WRA 6019

RSP 315

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

## ANALYSIS — PHYSICAL

<input type="checkbox"/> pH	6.8	<input type="checkbox"/> Colour (Hazen units)	
<input type="checkbox"/> Specific conductance (microsiemens/cm at 25° C)	860	<input type="checkbox"/> Turbidity (NTU's)	
<input type="checkbox"/> Total dissolved solids (mg/l - by evaporation at 180° C)	520	<input type="checkbox"/> Suspended solids (mg/l)	

## ANALYSIS — CHEMICAL (mg/l)

<input type="checkbox"/> Sodium, Na	98	<input type="checkbox"/> Chloride, Cl	155
<input type="checkbox"/> Potassium, K	16	<input type="checkbox"/> Sulphate, SO <sub>4</sub>	94
<input type="checkbox"/> Calcium, Ca	30	<input type="checkbox"/> Nitrate, NO <sub>3</sub>	13
<input type="checkbox"/> Magnesium, Mg	22	<input type="checkbox"/> Bicarbonate, HCO <sub>3</sub>	81
<input type="checkbox"/> Total Hardness (as CaCO <sub>3</sub> )	165	<input type="checkbox"/> Carbonate, CO <sub>3</sub>	
<input type="checkbox"/> Total Alkalinity (as CaCO <sub>3</sub> )	65	<input type="checkbox"/> Fluoride, F	1.1
<input checked="" type="checkbox"/> Iron, (total) Fe	1.8	<input type="checkbox"/> Orthophosphate, PO <sub>4</sub>	
<input type="checkbox"/> Silica, SiO <sub>2</sub>	44	<input type="checkbox"/> NaCl (calc. from chloride)	252

## 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"/>

The sample as analysed is considered suitable for:-

Drinking water —

☒ No

Stock watering —

Yes/No

Irrigation —

Yes/No

Others (specify)

Yes/No



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With suitable treatment the Iron  
concentration may be lowered to an  
acceptable level.

DEPT. OF TRANSPORT & WORKS  
WATER DIVISION  
15 JUL 1982  
W. R. & L. ALICE SPRINGS

Analysed By: G. JOHNSTON

Date 9/ 7/ 82

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

BORE SURVEY INFORMATION

BORE NAME: 215/110. R.N.: 5293 LOCATION: Cabbage Gum.

VERTICAL

POINT	R.L.	DATUM	LEVEL BOOK NO.	DATE	REMARKS	SKETCH
M.P.	343.041	AHD	5/13	7.2.82	Top of 2" & prot. G.W.P.	
A.V.G.L.	342.090	"	"	"		
B.M.	342.531	"	"	"	from old survey	

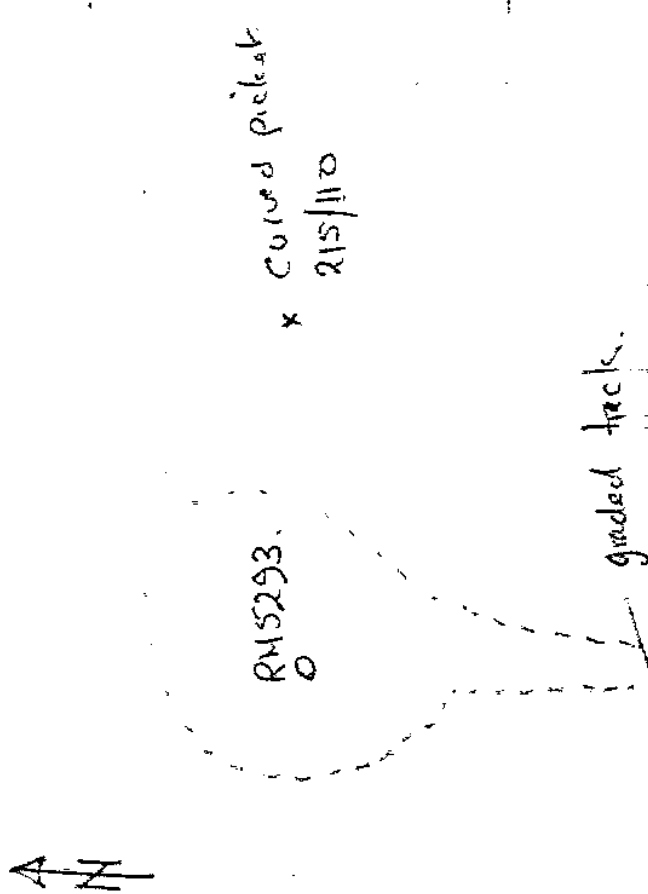
HORIZONTAL

NO. OF CHAINS	CO-ORDINATES EASTING	GRID	FIELD BOOK NO.	DATE	REMARKS.
778282054	418062.67	AMS			converted from old grid.

NEAREST BLANCH MARK: NAME: 215/110 LOCATION: \_\_\_\_\_

ASSOCIATED DRAWINGS:

Particulars of B.M. Curved steel picket. east of bore. (old grid point).



N.T.A. WATER RESOURCES BRANCH

## BORE DATA SHEET

SE 53-16  
193523

ES3/14-129

NAME 215/110

INDEX No.

40/167

LOCALITY Cabbage Gum Basin

REG. No. ...

5293

DEPTH 192

FILE No. ...

CASINGS 3" SURFACE CAS + (3/4" W/P.P.E. REMOVED 1982) PERFORATIONS SCREENS

LOCATION 1 1 E N SURFACE LEVEL R.L. B M LEVEL R.L. DATUM

CONTRACTOR Mines Branch

DRILLER

DATE STARTED

DATE FINISHED

## WATER

## STRATA SECTION

WATER				STRATA SECTION			
AQUIFERS	DEPTH FEET	CASING	REC	STRATA			
DEPTH STRUCK .....							
AQUIFER THICKNESS..							
STANDING WATER LEVEL .....	56'11"						
PUMP TEST G.P.H. ....							
DRAWDOWN LEVEL..							
PUMP LEVEL .....							
DURATION OF TEST HOURS ...							
R.L. S.W.L. ....							
WATER TEMPERATURE °C							
TRANSMISSIBILITY .....							
STORAGE COEFF. ....							
ANALYSES							
BINOMIAL CLASSIFICATION .....							
T.D.S. ....							
CONDUCTIVITY .....							
TOTAL HARDNESS .....							
CHLORIDE .....							
BICARBONATE .....							
CARBONATE .....							
SULPHATE .....							
NITRATE .....							
FLUORIDE .....							
SODIUM .....							
POTASSIUM .....							
CALCIUM .....							
MAGNESIUM .....							
REG. ANAL. No. ....							
EQUIPMENT							
REMARKS TAPPED JUNE 1974 C.B.							

SM-10.62 1858



\*RN005293\*

N.T.A. 181

## THE NORTHERN TERRITORY OF AUSTRALIA

## CONTROL OF WATERS ORDINANCE

REGULATION 8

## FINAL STATEMENT OF BORE

40/167

5293

From	To	Description of Strata	Name of Bore-																												
			215/110																												
		0 - 10 Desert silty sand	Name of Property-																												
		10 - 28 Latenites with traces of Quartz	Cabbage Gum Basin																												
		28 - 40 Latenites	Name of Owner-																												
		40 - 68 Mottled Latenites	N.T.A.																												
		68 - 95 Mottled Latenites & clay	Name of Contractor-																												
		95 - 188 Weathered granite	Mines Branch																												
		188 - 192 granite	Name of Driller-																												
Location of Bore (or supply sketch on back hereof)-			Date of Commencement-																												
.....miles			Date of Completion-																												
(a)	<table border="1"> <tr> <td>N</td> <td>NE</td> </tr> <tr> <td>S</td> <td>SE</td> </tr> <tr> <td>E</td> <td>NW</td> </tr> <tr> <td>W</td> <td>SW</td> </tr> </table>	N	NE	S	SE	E	NW	W	SW	of (b).....	Total Depth-																				
N	NE																														
S	SE																														
E	NW																														
W	SW																														
			192'																												
(a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc.			Particulars of Casing-																												
Additional information of interest about the bore-			Particulars of Perforations or Screens-																												
Samples of strata & water supplies have been* will be* left at the following trading place. ..... .....Signature			<table border="1"> <tr> <th>Water</th> <th>1st Sply</th> <th>2nd Sply</th> <th>3rd Sply</th> </tr> <tr> <td>Struck at</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Standing Water Level 56'11"</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pumping Supply: G.P.H.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Duration of Pump Test</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Water Level During Test</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quality: Good, Fair or Bad</td> <td></td> <td></td> <td></td> </tr> </table>	Water	1st Sply	2nd Sply	3rd Sply	Struck at				Standing Water Level 56'11"				Pumping Supply: G.P.H.				Duration of Pump Test				Water Level During Test				Quality: Good, Fair or Bad			
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