

RN 12399

WATER ANALYSIS REPORT

SAMPLE NO. 75720096

JOB NO. 1907-76

AMDEL COMPUTER SERVICES

CHEMICAL COMPOSITION

DERIVED AND OTHER DATA

CONDUCTIVITY (MC)

MICRO-S/C/MINUTE 25 DEG. C 3460.

CONDUCTIVITY (MC)

MILLIGRAMS PER LITRE

REMARKS

BmP Lander River to base

133° 29' E, 20° 35' S

Flow: 2000 gpl

SFS3-1

684424

CATIONS

CALCIUM (CA) 43  
MAGNESIUM (MG) 57  
SODIUM (NA) 594  
POTASSIUM (K) 94  
IRON (FF)

ANIONS

HYDROXIDE (OH)  
CARBONATE (CO3)  
BICARBONATE (HCO3)  
SULPHATE (SO4)  
CHLORIDE (CL)  
BROMIDE (BR)  
FLUORIDE (F)  
NITRATE (NO3)  
PHOSPHATE (PO4)

TOTALS AND BALANCE

CATIONS (ME/L) 35.3  
ANIONS (ME/L) 35.0  
DIFF#100. = 0.4 %

SUM

REACTION (PH)  
TURBIDITY (JANUSON)  
COLOR (HAZEL)

SODIUM TO TOTAL CATION RATIO (ME/L) 73.9 %

NAME- 3.4UP  
ADDRESS-

RECEIVED-  
SECTION-  
POLY-  
SUPPLY-

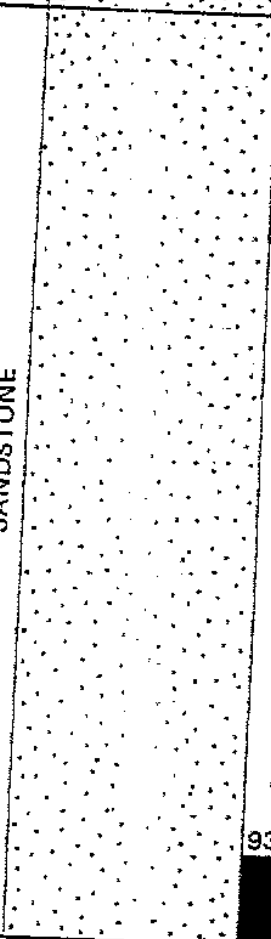
DATE COLLECTED  
DATE RECEIVED

SAMPLE COLLECTED BY-

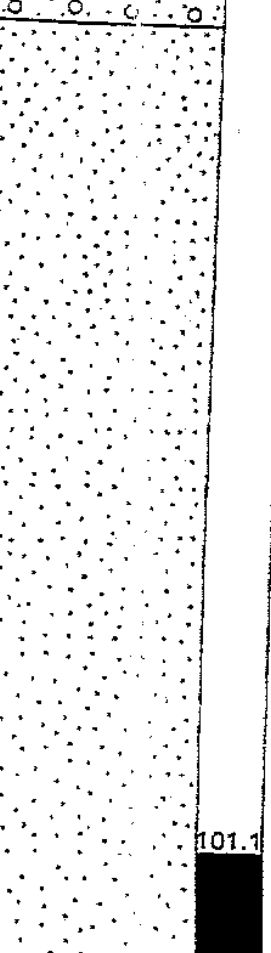
WATER CUT-  
WATER LEVEL-  
WATER FLOW-

APPENDIX 2 (M. G. F. C. H. E.) WATER ANALYSIS DATA - SOUTHERN MISSISSIPPI BASIN											
Well	Flow l/hr	Ca mg/l	Mg mg/l	Na mg/l	K mg/l	CO <sub>3</sub> mg/l	HCO <sub>3</sub> mg/l	SO <sub>4</sub> mg/l	Cl mg/l	F mg/l	NO <sub>3</sub> mg/l
RR Lander River 6	12000	43	57	26.0	94	2.4	341	369	749		33
RR Lander River 7	>>1200	28	85	32.0	88	2.3	361	494	989		46
Bore at 20°52'S, 133°32'E	>>1200	9	3	0.6	8	0.2	60	8	9		8
Bore at 20°40'S, 132°28'E	>>1200	7	4	3.9	73	1.9	220	41	97		8
RR Lander River 1	6000	75	96	37.0	80	2.0	447	658	1087		8
RR Lander River 5	6000	25	23	13.3	44	1.1	320	124	280		52
RR Bonney Well 3	1200	24	16	5.7	27	0.7	274	63	95		30
RR Lander River 3	3000	60	68	24.6	61	1.6	314	377	729		41
RR Bonney Well 2	6000	113	117	44.6	110	2.8	491	774	1424		9
RR Lander River 2	6000	153	312	112.0	228	5.8	634	2005	3517		6
Bore at 20°45'S, 132°51'E	>>1200	14	10	12.3	28	0.7	394	73	217		7
RR Green Swamp Well 1	3000	51	72		87		425	421	675	2.2	26
RR Green Swamp Well 2	3000	89	91		98		273	504	895	3.3	9
RR Green Swamp Well 4 (closed to 91 m)	24000	32	39		45		103	255	250	0.5	24
RR Green Swamp Well 4 (unclosed)	24000	378	71		61		155	1337	435	0.5	22
RR Green Swamp Well 5	6000	102	104		315		277		1236	1.3	15
Barkland's Bore	5600	95	69		76		257	274	720	2.2	3
Large Well	3000	87	125		114	3	601	514	1723	0.0	40
Austerlitz Well, 21°02'S, 132°35'E	3200	87	125		114	5	651	602	1105	1.6	40

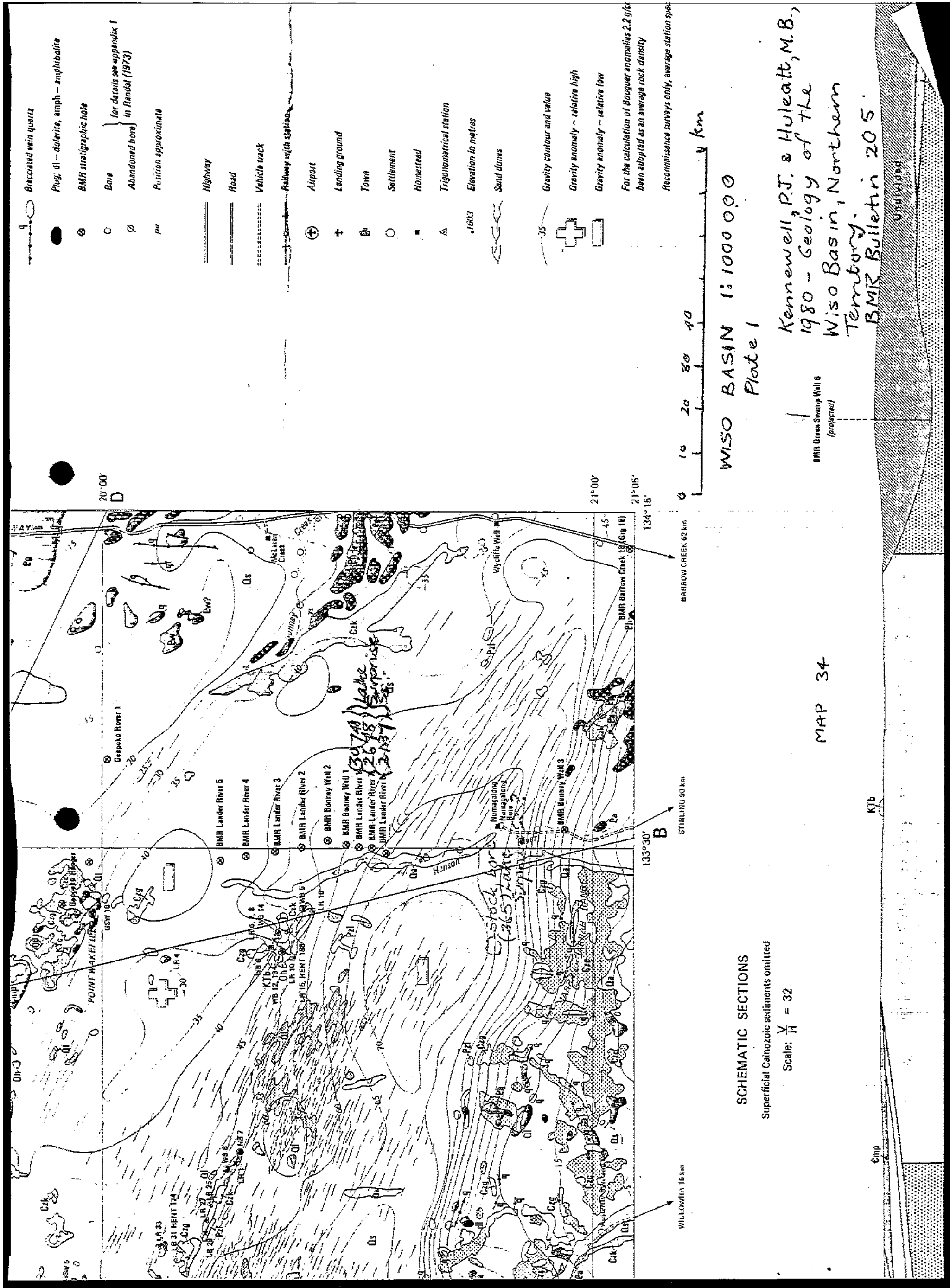
BMR LANDER RIVER 6

AGE	UNIT	GRAPHIC LOG	CORE	DEPTH (m)	THICK- NESS (m)	LITHOLOGY
CAINOZOIC				3.0	3.0	Sand, red-brown, medium grained, moderately sorted, rounded to angular, poorly consolidated
?LATE PALAEOZOIC	LAKE SURPRISE SANDSTONE				100.3	Sandstone, white, generally fine-grained but grades from very fine to medium-grained, well sorted, contains white clay matrix in parts, poorly consolidated above 80m, laminated indistinctly in cores
				93.0	103.3	

BMR LANDER RIVER 7

AGE	UNIT	GRAPHIC LOG	CORE	DEPTH (m)	THICK- NESS (m)	LITHOLOGY
CAINOZOIC				3.0	3.0	Sand, red-brown, medium-grained, subrounded to rounded, rare angular coarse grains, well sorted
?LATE PALAEOZOIC	LAKE SURPRISE SANDSTONE			12.0	9.0	Sandstone, light brown, coarse-grained; grades to granule conglomerate at base, angular to rounded, poorly sorted
					101.1	Sandstone, white, grades to light orange at top, generally fine-grained, grades from very fine to medium-grained, generally well sorted but grades to moderately sorted, well rounded, poorly consolidated, contains little matrix
					101.1	
					113.1	

Kennewell, P.J. & Huleatt, M.B., 1980 - Geology of the Wiso Basin, Northern Territory. Bureau of Mineral Resources Australia, Bulletin 205.





Regulation 8

N.T.A. 181

THE NORTHERN TERRITORY OF AUSTRALIA  
Control of Waters Ordinance

## FINAL STATEMENT OF BORE

ON 12399  
IN 34/12

From	To	Description of Strata	Name of Bore:
			BMR LANGE RIVER No 6
			Name of Property:
			Description of Property: VCC
			Name of Owner: BMR
			Name of Contractor:
			Name of Driller:
Location of Bore: (or supply sketch on back hereof) -			Date of Commencement:
..... Miles			Date of Completion: 1976
N	NE	of (b) .....	Total Depth:
S	SE		Particulars of Casing:
E	NW		Particulars of Perforations or Screens:
W	SW		
(a) Circle appropriate direction.			
(b) Use known point such as existing bore, homestead, outstation etc.			
Additional information of interest about the bore -			
			Water 1st Supply 2nd Supply 3rd Supply
			Struck at
Map No: SF 53-1			Standing Water Level
Grid Reference: 684 424			Pumping Supply G.P.H. 3000 3.8 L/s
Samples of strata and water supplies			Duration of Pump Test
Have been* Will Be*			Water Level During Test
Left at the following trading place:			Quality:
.....			Good, Fair, Bad
(Signature)			
* Strike out which does not apply.			

For office use only:

Plotted 15/10/79

1/7/76 TDS 2137  
N NO<sup>3</sup> 33