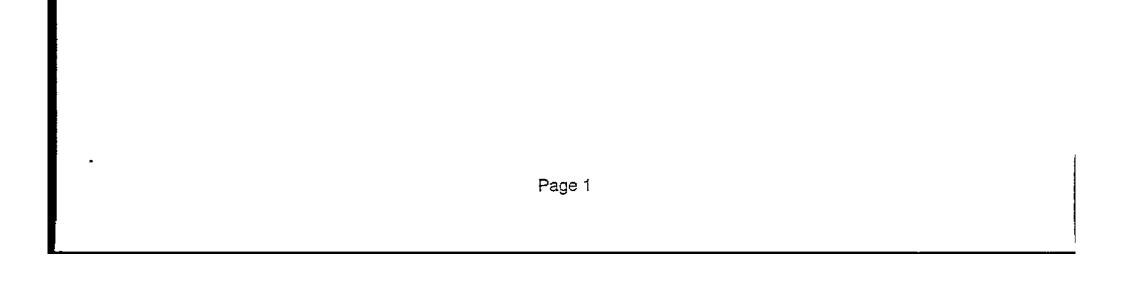
Bore Report RN005652

RN5652

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survey99

Coordinates are	e in AGD84.	·····		
Heights are in A				
Unit:	m			
Coordinate type				· · · ·
Reference ellips		n National		
Projection set:	zone53			
		<u> </u>		
Station	Easting	Northing	Height to MP	NS
 ,		V		
BM301	398554.28	7357539.64	512.67	BM
NTLST531	404389.40	7349391.76	529.14	BM
RN10324	406708.14	7362938.83	498.53	MP is NS
RN10325	406117.13	7363574.87	500.39	500.31(Picket)
RN10669	406750.83	7362851.12	498.61	498.21
RN11462	398948.61	7356931.03	511.75	511.09
RN17235	408651.92	7359940.20	508.33	507.73
RN17244	402571.86	7352828.86	505.02	504.44
RN17245	402543.61	7352869.87	505.22	504.23
RN17246	404436.00	7349741.47	524.2	524.05
RN17333	397961.61	7358743.23	515.09	514.49
RN17334	398028.74	7358586.85	515.55	514.98
RN17335	398390.76	7357889.31	513.15	512.95
RN17336	406931.09	7362375.87	498.64	498.19
RN17337	406930.85	7362265.95	499.59	499.07
RN17338	407026.72	7361509.80	502.28	501.93
RN17339	403028.57	7363032.36	505.82	505.28
RN17391	405484.93	7356570.18	503.92	503.04
RN17392	402842.98	7356476.39	505.54	504.89
RN17393	412653.61	7363713.33	489.65	488.82
RN17394	429075.91	7365789.79	459.39	458.44
RN17436	408696.30	7361610.14	509.86	509.29
RN17437	410191.47	7358656.85	518.52	517.96
RN17438	406913.55	7362404.65	498.08	497.83
RN3410	410876.90	7365277.90	491.25	491.15
RN5652	429911.92	7367126.37	453.81	
RN6989	406760.18	7362641.56	498.59	MP is NS
RN10324 No ca	asing			
RN10669 MP h	eight taken to st	eel plate.		
RN17334 MP h	eight taken to ba	ase of cap.		
	casing 0.137 be			
	casing 0.164 be			
RN3410 Coord	linates are offse	t 1.0 metres wes	st.	



a service of the serv	Canada and C			/IN N.T. 0801 UE DARWIN NT 0	20	Bottle No.:		Lab Regis	ter No.:
			(08) 8924 6			Q73	3_3	466	5
		Date R	eceived	in Lab:	Time	Sampled:		Date Sample	ed:
RESOURCE PROT WATER CHEMISTI		2	6-5-	- ଟ୍ମ		1245		24 -	5-99
R/N NO .: 5652	Depth (m) :	Q:	į	Мар:				Sampler:	
G.S. No.:	G.H. (m):	Q:		G.R.:				в. Ра	
Location: しいり	DOLTA	<u>t</u>	<u> </u>	<u> </u>		Field Temp '	C: Field	pH: Fie	ld Cond µScm-1:
JUNI	CHON BORE			<u>_</u>		RSP:	Proje	RS A	1006
L		1A	NALYS	SIS - PHY	SICA	L			
рн		500-н+в]	7.1		lour (H	azen units)		[2120B]	
Electrical conductive (microstemens/cm a		2510B]	948	0 🔲 Tu	rbidity (NTU's)		[21308]	
Total cissolved solid (mg L' - dried at 18		[2540C]	624	0 🔲 Su	spendø	d solids (mg L'')		[2540D]	
· · · · · · · · · · · · · · · · · · ·	· ···	ANA	LYSIS	- CHEMI	CAL	(mg L·1)			
Sodium, Na	[3111BI	163	0 🛛 Ch	loride, (CI		[4500-CI" B]	2410
Potassium, K	[31118]	31	2 Su	iphate,	so.		[G]	1400
Calcium, Ca	[[3111D]	327	7 🗖 Nit	rate, No	0,		[4500-N0, 8]	2
Magnesium, Mg	[[3111B]	135		arbona	ite, HCO.		[23208]	378
Iron, (total) Fe		[31118]	0.2		rbonate	e, CO,	.	[23208]	0
Total Hardness (as	CaCO ₅) Calculation	[23405]	137	o 🗖 Hy	droxide	9. OH		[23208]	0
Total Hardness (as	CaCO;) Titration [[2340C]		Fit	uoride, i	F		[4500-F' C]	0.7
Total Alkalinity (as C	CaCO ₃)	[2320B]	310		ICI (cald	c. from chloride)			3970
Silica, SiO,	[4:	500-Si D]	22	Dì:	ssolved	Oxygen		[4500-0-0]	
		ANAL	YSIS -	ADDITIC	NAL	- (mg L-1)			
Copper, Cu	[31118]	Man	ganese, N	<i>l</i> in [3111B			Zinc, Zn	[31118	
VIS DENOTES U ANALYSIS	INSUITABLE FOR	C1	1	4288	460	KR #	± 17		
* I/S DENOTES II SAMPLE	NSUFFICIENT								
+ F DENOTES F	HETRATE ANALYSIS								
	OTAL ANALYSIS						.		
This report relates sp	ecifically to the "sampl	le tested a	as receiv	ed".			DATE:	-6 JUN	1999

"Standard Meth	ods k	ed (denoted within brackets) refer to the 1992 18th edition of or the examination of Water and Wastewater", A.P.H.A. Except [G] . ethod of R. Goguel, Anal. Chem. 1969, <u>41</u> , 1034.	CHECKED: KRosn SIGNATORY: E. Cz
Boxes marked thus indicate:		Levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia", 1987 N.H. & M.R.C. and the A.W.R.C.	
	\square	Levels exceed non-health related limits.	
	X	Levels exceed health related limits	

5602	LABORATORY apth (m) :	Date Re	·			QK59	434	
WATER CHEMISTRY R/N No.: G.S. No.: G			ceived	in Lab:	Time	e Sampled:	Date Sampled	
R/N No.: 5652 Di G.S. No.: G				2-95		1110	24-8-	
G.S. No.: G		Q:	<u> </u>	Map:			Sampler:	<u> </u>
Location:		Q:	UGT	G.R.:	0	FSJEIY	G. RI	ு தச
				42591	<u> </u>	7367040 N Field Temp °C: Field		Cond
UNDOOL	YA STN					27:11-	· · · · · · · · · · · · · · · · · · ·	361
JUNCT	ION BOR	G				RSP: Proj	ect No.: RHA.3	000
		AN	ALYS	IS - PHY	SICA			
Ha 🗖	[4!	500-H ⁺ B]	7.5	5 🗖 😋	lour (H	azən units)	[2120B]	
Electrical conductivity (microsiemens/cm at 25	°C)	[25108]	948	10 Tur	bidity {	(NTU's)	[21308]	
Total dissolved solids (mg L' - dried at 180° C	;) I	[2540C]	620	00 🗖 Su	spende	ed solids (mg L*)	[2540D]	
		ANAL	YSIS	- CHEMIC	CAL	(mg L-1)		
Socium, Na		[31118]	172	20 🔽 Ch	loride, i	CI	[4500-Cl ⁻ B]	24
Potassium, K	[[3111B]	35	5 🛛 Su	phate,	SO4	[G]	13
Calcium, Ca		[3111D]	322	2 🗍 Niti	rate, N	O,	[4500-NO ₃ " B]	
Magnesium, Mg	. <u> </u>	[31118]	13	3 🛅 Bio	arbona	ate, HCO,	[2320B]	3
Iron, (total) Fe		[3111B]	0.1		rbonate	ə, CO,	[23208]	
🗾 Total Hardness (as CaC	O ₃) Calculation [[2340B]	135	50 🗂 Hy	droxide	e, OH	[23208]	
Total Haroness (as CaC	O ₃) Titration	[2340C]		Flu	oride, l	F	[4500-F C]	0
Total Alkalinity (as CaCC	 ג) [[23208]	31	1 🗍 Na	CI (caid	c. from chloride)		4(
Silica, SiO,	[44	500-SI DI	20) Dis	salved	Oxygen	[4500-0-C]	
		ANALY	rsis -	ADDITIC	NAL	- (mg L-1)		
Copper, Cu [31	18]	Manga	anese, M	In [31118]		Zinc, Zn	[31118]	
٦								
VIS DENOTES UNSU	ITABLE FOR	1	<u></u>		95	-96/0426 # 9	<u> </u>	····
	FICIENT							

"Standard Meth	iods fo	ed (denoted within brackets) refer to the 1992 18th edition of or the examination of Water and Wastewater", A.P.H.A. Except [G]	CHECKED:	Kkon
	ពម ៣	ethod of R. Goguel, Anal. Chem. 1969, <u>41</u> , 1034.	SIGNATORY:	E. G_
Boxes marked thus indicate:		Levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia", 1987 N.H. & M.R.C. and the A.W.R.C.		
	\square	Levels exceed non-health related limits.		
	X	Levels exceed health related limits		

POWER WATER	Telephon	ox 1096, Dar e: (089) 82 6 I: (089) 82 6	413	। Bottle No.: Qi≮ S	4	Lab Regis	
WATER	Date Re	ceived in I	Lab: 1	Time Sampled:		Date Sample	id:
WATER RESOURCES		8 -10 -	95	1110		24 - 8	-95.
B/N No.: 5652 Depth (m) :	Q:	Ma	ap:	SPSJEN		Sampler:	••••••••••••••••••••••••••••••••••••••
G.S. No.: G.H. (m):	Q:	G.	R.: 29910		, N	4. R	
Location:	57 N	1		Field Temp °C	Field	pH: Fie	ld Cond µ 8610
JUNCTION	BORE		· · ·	RSP:	Projec	t No.: RMA	3000
	AN	ALYSIS	- PHYS	ICAL			
рн	[4500-H ⁺ 8]	7.5	Colo	ur (Hazen units)		[2120B]	
Electrical conductivity (microsiemens/cm at 25°C)	[2510B]	9480	Turbi	dity (NTU's)		[2130B]	
Total dissolved solids (mg L ⁻¹ - dried at 180° C)	[2540C]	6200	Susp	ended solids (mg L')		[2540D]	1
	ANAL	YSIS - C	HEMIC	AL (mg L-1)			
Sodium, Na	[31118]	1720	Chio	ride, Cl		[4500-CI ⁻ B]	24
Potassium, K	[3111B]	35	Sulpi	hate, SO.		[G]	1:
Calcium, Ca	[3111D]	322	Nitra	te, NO,		[4500-N0, B]	
Magnesium, Mg	[3111B]	133	Bica	bonate, HCO,	,	[2320B]	3
iron, (total) Fe	[31118]	0.1	Carb	onate, CO,		(2320B)	
Total Hardness (as CaCO,) Calculat	ion [2340B]	1350	Hydr	oxide, OH		[23208]	
Total Hardness (as CaCO ₃) Titration	[2340C]		Fluor	ride, F		[4500-F ⁻ C]	
Total Alkalinity (as CaCO ₁)	[2320B]	311	NaC	I (calc. from chloride)			4
Silica, SiO ₂	[4500-Si D]	20	Diss.	olved Oxygen		[4500-0-C]	
	ANAL	SIS - A	DDITIO	VAL (mg L-1)		· · · · · · · · · · · · · · · · · · ·	1
Copper, Cu [3111B]	Mang	anese, Mn	[31118]	Zi	nc, Zn	[31118	1
✤ U/S DENOTES UNSUITABLE FO ANALYSIS	R			95-96/0426 #	; 9		
✤ I/S DENOTES INSUFFICIENT SAMPLE							
+ F DENOTES FILTRATE ANALY	sis						

rolates specifically to the "sample tested as rec eived". DATE: 1 8 JAN 1996

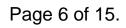
		ethod of R. Goguel, Anal. Chem. 1969, <u>41</u> . 1034.	SIGNATORY:	E. S
Boxes marked thus indicate:		Levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia". 1987 N.H. & M.R.C. and the A.W.R.C.		
	\square	Levels exceed non-health related limits.		
	X	Levels exceed health related limits		

BORE DATA - MASTER INDEX - COMPUTER INPUT SHEET Condition RN 5652 INDEX 16/8/4 NAME (30) JUNCTION BORE REPLACEMENT LOCATION (30) <u>GRM EAST OF NºZ RN 11959</u> CADASTRAL (35) UNDOUGH PL 673 S/NAV GPS/TRANS/ EL 42" H - V - CT 343 NO 480 TIME 0429 AMG _____ ZONE 53 ____ EASTING 431245 NORTHING 7367345 . LONGITUDE 134° 19' 503 LATITUDE 23° 48' 216 LOCATION PRECISION 4 AWRC BASIN NUMBER 1006 (4) OLD IMP GRID 553/14-212-034-1-250000 ALICESPRINGS NEW IMP GRID COMP/CONVERSION 213-025 . DISCHARGE _____ LPS. DEPTH SAMPLED _____ METHOD APAUL SAMPLE NO. _____ HRS. TEMP _____ PH ____ CONDUCTIVITY 9370 OTHER T-DEPTH IF MEASURED _____ METERS and and a SWL IF MEASURED _____ METERS- TIME _____ DATE_ CASING/WELL ABOVE GROUND BY M BORE EQUIPPED WITH 6"OD STEEL CABING BMK3 MONDAKUBOTA 45' + 21' 5× MILL NOT USETS 45, E/ TANK 6× HUMES TROUGHING 1/D BORE IS 20 FT STHOF MILL NO CASING AROUS GROUND & NO INFO AUMMABLE . COMMENTS: TANK 1/2 FULL

TAG LOCATION: Mill LEG USED FOR: <u>STOCIC</u> INSPECTING OFFICER <u>AMANDS</u> DATE 4-4-89

	Permitto 9	seuced	(No)	Signed Copy,		
	NAME	EXP DATE	LAND TENURE	USE	<u> </u>	RN
153 154 155 156 157 158 159 160	EDWARD HAYES + PARTNERS	<u>1-1-86</u>	NTPOR 771	STOCK		<u>11959</u> <u>11589</u> <u>3411</u> 5757 11980 <u>10743</u> 10545 12958
					·	-

· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·	



WATER ANALYSIS		Laboratory Register No.		
MAIER ANALISIS		Laboratory negrate. No.	78/1174	
DEPARTMENT OF NORTHERN AUSTRALIA	•	Date received in Laboratory		
WATER RESOURCES BRANCH	<u> </u>		18,8,78	
	Sottle No	Time of sampling .hts)	Date of sampling	
LOCATION AND DETAILS	ZR 30	1640	2.8.78	
JUNCTION BORE UNDOOLYA STAT	<u>ION RN 5652</u>	DISCHARGE 0.61ps	DISCHARGE PIPE	
	SAMPLER:	BLYTH	RSP 171	
	ANALYSI	S - PHYSICAL		
рН		Colour (Hazen units)	· · · · · · · · · · · · · · · · · · ·	<u> </u>
Specific conductance (microsiemens. cm at 25 C)	9840	Turbidity (A.P.H.A. units)		
Total dissolved solids (mg 1 - by evaporation at 180°C)	6630	Suspended solids (mg/1)		
		CHEMICAL (mg/l)		
fotal dissolved solids (by summation)	6857	Total alkalinity (as CaCO ₃)	263	
Sodium chloride (catc from chloride)	4405	Total hardness (as CaCO ₃)	1513	
Chloride, Cl	2673	- Sodium, Na	1775	
Sulphate, SO ₄	1340	Potassnim, K	60	
Nitrate, NO3	< 1	* Calcium, Ca	369	
Bicarbonate, HCO3.	320	Magnesium, Alg	144	
Carixonate, CO3		fron (total), Fe	8.8	
Fluoride, F	1.4	Silica, SiO ₂	16	
	ANALYSIS - A	DDITIONAL (mg/1)		

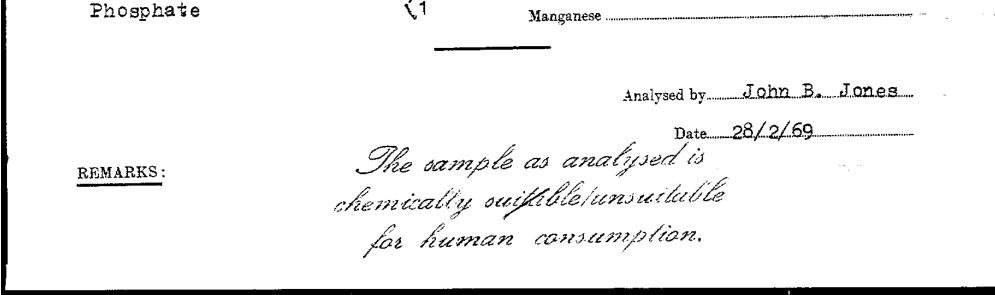
	WATER RESOURCES SRANCH ALICE_SPRINGS
ر 	27 OCT 1978
	DEPT. OF N.T.
tagan 1971 World Health Organisation In	unsuitable for human consumption according to ternational Standards for Drinking-Water, as
the total dissolved solids exceeds the	e maximum permissible level. <u>SUITABLE FOR STOC</u>

and a first state of a second seco

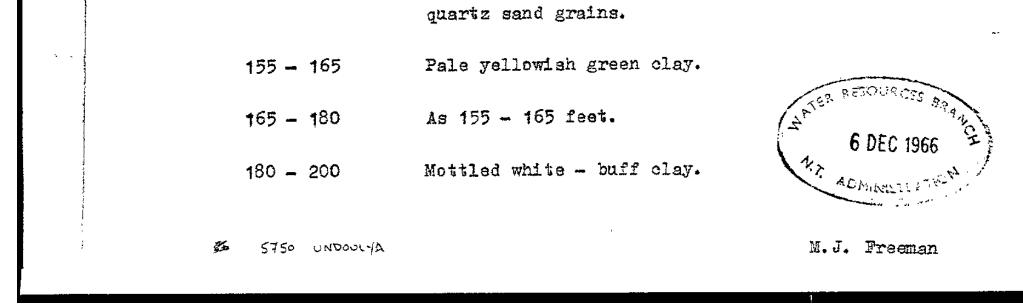
	WATER RE	SOURCES BRANCH		
<u>I</u>)	NSPECTING OFF	ICERS REPORT OF	BORE	
	R	- 0 - 10		
BORE NAME	ويجهدها والمستعد والمتحد والمتحد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمس			<u></u>
R.N. 5652.			814	
NAME OF PROPERTY				
MAP NO. SF53	- 14	GRID REF.	212034	
OTHER MAPS - DRAWING NO			Al (A)	
LOCATION OF BORE:	9 RM	KAST OFF	No Z.	<u></u>
CONDITION OF BORE	GOOD			
DEPTH (if measured)		metres		
S.W.L. (if measured)		metres		
BORE EQUILPED WITH	21' SX 1	TILL. EART.	H TANK	6" CAS
ESTIMATED DISCHARGE (whe	n sampled) _		litres per	second
WATER SAMPLE Taken/I				
OTHER COMMENTS				
	<u> </u>		······	
	<u> </u>		<u> </u>	
<u> </u>				

Inspecting Officer <u>CR4</u> Date <u>4:8.78</u>

NORTHERN TERI	RITORY ADMINISTR.	ATION-WATER RESOURC	ES BRANCH
			4419
	WATER A	NALYSIS	
Sample No. <u>69/0058</u>	Date received in	Laboratory 24/1/6	59
Time and date of sampling. 1		*****	
Location and details Alice	Springs Undo	olya Station Ju	inction Bore
	Alice	Springs W. B. B.	16814 5
1144 1 - 42 (1) freeday 11) 1444 (freeday) 144 (freeday) 11 (freeday) 1447 (freeday) 1447 (freeday) 1447 (free			i.
Analysis in parts per million— p.p.m.	(unless otherwise stated)) 	
Appearance	<u>,</u>	_Taste and odour	
Conductivity (Micromhos/cm ²) at 25°C		лH	7.5
			1340
Total dissolved solids			
Suspended solids			226
Total solids		Hardness, permanent	1114
Anions-		Cations-	
Chloride	2 640	Sodium	1850
Sulphate	1210	Potassium	
Nitrate		_Calcium	283
Nitrite	•	Magnesium	143
Carbonate			
Bicarbonate			<u>11.5</u>
Bicarbonate			
	1. 4		
Fluoride	6	A 1 5	
Fluoride	6		
		Arsenic	

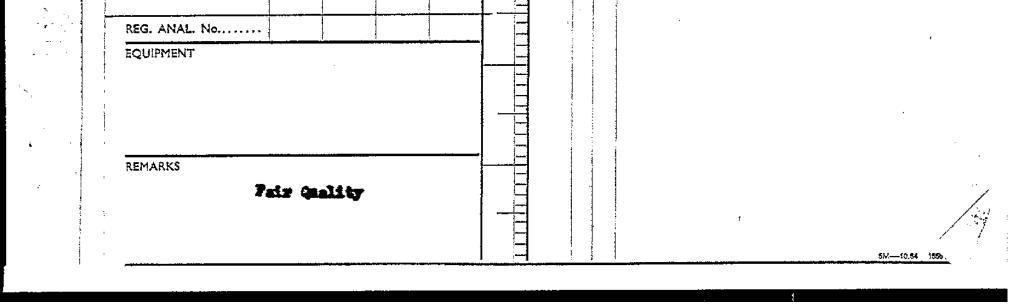


	D teil
	Undoolya Junction Bore A 70/2_
Depth	Description $F 53/14 - 287$.
0 - 5	Medium silt to medium sand grain size; angular to sub-angular; biotite and clayey, ferruginous quartz - sand. Rust red-brown in colour.
5 - 15	As 0 - 5 feet but tends to be coarser grained.
15 - 20	As 5 - 15 feet, but tends to be coarser grained still and more rounded.
- 20 - 30	As 15 - 20 feet.
• 30 - 50	Fine sand to fine pebble grain size; rounded to subrounded; felspathic, clayey quartz sand, with pebbles of crystalline rock fragments. Pale grey buff colour.
50 - 70	Medium sand to medium pebble grain size; sub-rounded to rounded; quartz sand. Contains biotite, muscovite tourmaline accessory. Creamy colour.
70 - 85	As 50 - 70 feet, but finer grained and better sorted, wand darker coloured.
85 - 1201	As 70 - 120 feet, but containing more clay and is reddish-brown in colour
120 - 130	Coarse silt to clay sized grains; sub-rounded to sub-angular; quartzose silty clay. Grey green colour. Slightly calcareous.
130 - 140	As 120-130 feet, with less sand and a light orange- brown colour.
140 - 155	Mottled green, buff, white clay with occasional



Page 10 of 15.

	N.T.A	. WATER RESOURCES BR	ANCH SE53-11
	R R R	DE DATA CL	IEET 212034
	29 S	RE DATA SH	
	NAME Janotian Born (Replacement		INDEX No. 16/814
	LOCALITY BAGOLINE		REG. No 5652
	DEPTH 200 100 H		FILE No 1 10/2
	CASINGS 157 Cost C	PERFORATIONS	2 length 3/16" drilled holos
	LOCATION / / E	SCREENS	
		ILEVEL	LEYEL
		NILLER Rex VIIIers	STARTED
	WATER		STRATA SECTION
	AQUIFERS		STRATA
T	DEPTH STRUCK 140-155*		Topenil Sandy Clay
	AQUIFER THICKNESS STANDING WATER LEVEL 73 19 22-26 14	24 3	and
	PUMP G.P.H \$,0000 PH 1-25 /		Gravelly Clay
	DRAWDOWN LEVEL.	<u>50</u>	Sand
	PUMP LEVEL		Cravel.
70	DURATION HOURS 24 Ins		Farelly Clay
	R.L. S.W.L	100-	- "
	TEMPERATURE C		Brown Gravelly Clay
調査。オ	TRANSMISSIBILITY		fellow Clay
	STORAGE COEFF		fellow Clay
Alexandra Alexandra Contra da	ANALYSES BINOMIAL		ointed Sandstone & Clay
	CLASSIFICATION		iron Clay
	T.D.S		reen Sandy Clay
	TOTAL HARDNESS		reen Clay
	CHLORIDE		·
	BICARBONATE		:
	CARBONATE		:
	SULPHATE		
140	NITRATE		:
	FLUORIDE		
	\$ODIUM		х.
	POTASSIUM		
1. A.			
			•*

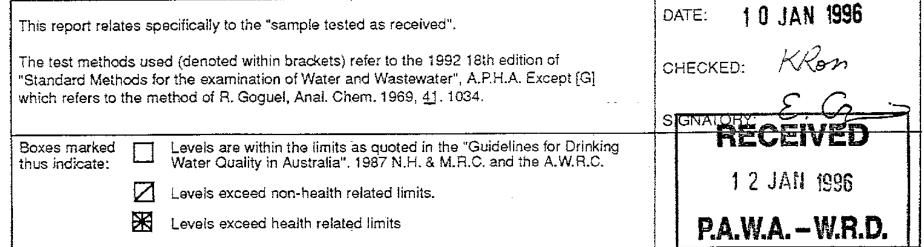


Page 11 of 15.

	, in the second s	NO	FTHERN TERF	64/204 LIORY ADMINIS	STRAT.		
	8/U	V - CONTR	OL OF WATEF	S ORDINANCE :	1938 .	ii hiii 2231 414 414 414 4 RNC05652*	1111
· <u>Re</u> G	JÚLA T	ION 8:	WATER RE	SOURCES BRANC			
BOR	RE LO	G.	<u>FINAL STA</u>	TEMENT OF BOI	RN.5	652 11 1814 2/20	4 ~ 9
FROM	TO	DESCRIPTION O	F STRATA	Name of I	Bore.		
60	5 শ্ব	TOPSOIL		JUNCTION &	BORE (REP	REEMENT	-
15 20	20 30	SANDY CLAY SAND		Name of E			-
30	50	GRAVELLY CLAY SAND				•	
70	700 85	GRAVEL GRAVELLY CLAY		}	DODLYA		
20	120	BROWN GRAVELLY	CLAY	Descripti	on of Prop	erty.	
130	140	YELOW CLAY YELOW CLAY		CATTILE	STATION		
14-0	155	JOINTED SOULS	5 × CLR1/				
165	130	GREEN SANDY C		<u>Name of O</u>			
160	200	GREEN CLAY		MR. E.	HAYES		
		/		Name of C	ontractor.		
				GOREY	- COLE		
				Name of D			
LOCATIO	ON OF	BORS: (or supp	ly sketch	Rex	VILLIERS	J.	
20 Lee	9 m	tiles. on back	hereof.)	Data at a			
		N NE S SE OF	(b)	0	ommencement	•	
		E NW .	Bare		(1 - 66		
		E NW F	Gore	Date of Co	ompletion.		- -
(a) Cir	rcle	E NW W SW	ection.	Date of Co 14 -	$\frac{1}{1-66}$		-
(b) Use	e knov	E NW W. SW appropriate dir wn point such a	ection.	Date of Co	$\frac{1}{1-66}$	feed .	
(b) Use bor	e knov e, h	E NW W. SW appropriate dir wn point such a cmestead, outst	ection. s existing ation, etc.	<u>Date of Co</u> 14 - <u>Total Dep</u>	omplation. 11-66		-
(b) Use bor	e knov e, h	E NW W. SW appropriate dir wn point such a	ection. s existing ation, etc.	Date of Co 14 - Total Dept Particular	omplation. 11-66 th:200		· · ·
(b) Use bor	e kno re, h	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc.	Date of Co 14 - Total Dept Particular Particular	<u>mplation</u> . <u>II - 66</u> <u>th: 200</u> rs of Casin 57 feet 6" rs of Perfo	<u>8</u> •	-
(b) Use bor	e kno re, h	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc.	Date of Co 14 Total Deput Particular Accounts Particular or Screens	mplation. <u>11-66</u> <u>th</u> : 200 rs of Casim 57 feet 6" rs of Perfo	<u>s</u> . rations	-
(b) Use bor	e kno re, h	E NW W. SW appropriate dir wn point such a cmestead, outst	ection. s existing ation, etc.	Date of Co 14 - Total Dept Particular Particular or Screens 2 Congth S	mplation. <u>II - 66</u> <u>th</u> : 200 <u>rs of Casin</u> 57 feet 6" <u>rs of Perfo</u> <u>s of Perfo</u> <u>36</u> "concess	E. rations e Roles	
(b) Use bor	e kno re, h	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc.	Date of Co 14 Total Deput Particular Accounts Particular or Screens	mplation. <u>11-66</u> <u>th</u> : 200 rs of Casim 57 feet 6" rs of Perfo	<u>s</u> . rations	
(b) Use bor <u>ADDITIO</u> Samples have be	of sen)	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc. INTEREST.	Date of Co 14 - Total Dept Particular Particular or Screens 2 Congth S	<u>mplation</u> . <u>II - 66</u> <u>th: 200</u> <u>rs of Casim</u> <u>57 feet 6</u> <u>rs of Perfo</u> <u>376</u> arcees <u>1st</u>	<u>z</u> . rations <i>Loccs</i> 2nd	
(b) Use bor <u>ADDITIO</u> Samples have be will be	$\frac{1}{2} \frac{1}{2} \frac{1}$	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Multip strata and wate: cr,	r supplies	Date of Co 14 - Total Dept Particular Particular or Screens 2 Length S WATER Struck	<u>supplation</u> . <u>II - 66</u> <u>th:</u> 200 <u>rs of Casin</u> 57 feet 6" <u>rs of Perfo</u> <u>s</u> <u>s of Perfo</u> <u>s lst</u> <u>supply</u>	<u>z</u> . rations <i>Loccs</i> 2nd	
(b) Use bor <u>ADDITIO</u> Samples have be will be	$\frac{1}{2} \frac{1}{2} \frac{1}$	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	r supplies	Date of Co 14 - Total Dept Particular Particular or Screens 2 Cength S WATER Struck at Standing water	mplation. <u>II - 66</u> <u>th</u> : 200 rs of Casim 57 feet 6" rs of Perfo 376 "acceler Supply 140 -155	<u>z</u> . rations <i>Loccs</i> 2nd	
(b) Use bor <u>ADDITIO</u> Samples have be will be	$\frac{1}{2} \frac{1}{2} \frac{1}$	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Dept Particular Acc 12 Partioular or Screens 2 length s WATER Struck at Standing	<u>supplation</u> . <u>II - 66</u> <u>th:</u> 200 <u>rs of Casin</u> 57 feet 6" <u>rs of Perfo</u> <u>s</u> <u>s of Perfo</u> <u>s lst</u> <u>supply</u>	<u>z</u> . rations <i>Loccs</i> 2nd	
(b) Use bor <u>ADDITIO</u> Samples have be will be	$\frac{1}{2} \frac{1}{2} \frac{1}$	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Multip strata and wate: cr,	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Dept Particular Particular or Screens 2 Cength S WATER Struck at Standing water	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{57 \text{furf } 6''}{\text{rs of Perfo}}$ $\frac{376}{\text{rcorreces}}$ $\frac{1 \text{st}}{\text{supply}}$ $\frac{1 \text{st}}{1 \text{roo} -155}$ $\frac{73 \text{f}}{\text{f}}$	g. rations <i>c loccs</i> 2nd Supply	
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Strata and wate: cr, following <u>Tradi</u>	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Dept Particular Particular Cr Screens 2 CongH S WATER Struck at Standing water level Pumping supply.GPH	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$	g. rations <i>c loccs</i> 2nd Supply	
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Depu Particular Particular or Screens 2 length _ WATER Struck at Standing water level Pumping supply.GPH Duration of Pump	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{\text{rs of Casim}}{\text{rs of Casim}}$ $\frac{57 \text{fer} 6 \text{"}}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{Supply}}$ $\frac{1 \text{st}}{140 - 155}$ $\frac{73 \text{fe}}{13 \text{fe}}$ $\frac{1000 \text{acc}}{1000 \text{acc}}$	g. rations <i>c loccs</i> 2nd Supply	A second
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Strata and wate: cr, following <u>Tradi</u>	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Dept Particular Particular or Screens 2 Cength _ WATER Struck at Standing water level Pumping supply.GPH Duration	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{ 1 - \langle \varphi \rangle}$	g. rations <i>c loccs</i> 2nd Supply	
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Strata and wate: cr, following <u>Tradi</u>	ection. s existing ation, etc. <u>INTEREST</u> . <u>r</u> supplies ing Place	Date of Co 14 - Total Depu Particular Particular or Screens 2 length _ WATER Struck at Standing water level Pumping supply.GPH Duration of Pump	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{\text{rs of Casim}}{\text{rs of Casim}}$ $\frac{57 \text{fer} 6 \text{"}}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{Supply}}$ $\frac{1 \text{st}}{140 - 155}$ $\frac{73 \text{fe}}{13 \text{fe}}$ $\frac{1000 \text{acc}}{1000 \text{acc}}$	g. rations <i>c loccs</i> 2nd Supply	And international and
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc. <u>INTEREST</u> . r supplies ing Place <i>fluce</i>	Date of Co 14 Total Dept Particular Are (A Particular or Screens 2 Conght S WATER Struck at Standing water level Pumping supply.GPH Duration of Pump Test Water level	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{\text{rs of Casim}}{\text{rs of Casim}}$ $\frac{57 \text{fer} 6 \text{"}}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{Supply}}$ $\frac{1 \text{st}}{140 - 155}$ $\frac{73 \text{fe}}{13 \text{fe}}$ $\frac{1000 \text{acc}}{1000 \text{acc}}$	g. rations <i>c loccs</i> 2nd Supply	and a low manufacture provide a start of the start of t
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF Strata and wate: cr, following <u>Tradi</u>	ection. s existing ation, etc. <u>INTEREST</u> . r supplies ing Place <i>fluce</i>	Date of Co 14 Total Dept Particular Particular Construct Particular Construct Particular Construct C	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{\text{rs of Casim}}{\text{rs of Casim}}$ $\frac{57 \text{fer} 6 \text{"}}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{Supply}}$ $\frac{1 \text{st}}{140 - 155}$ $\frac{73 \text{fe}}{13 \text{fe}}$ $\frac{1000 \text{acc}}{1000 \text{acc}}$	g. rations <i>c loccs</i> 2nd Supply	
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF White strata and water cr, following Tradi SE ONLY.	ection. s existing ation, etc. <u>INTEREST</u> . r supplies ing Place <i>fluce</i>	Date of Co 14 Total Deput Particular Particular Construction Const	$\frac{\text{omplation.}}{ 1 - \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{\text{rs of Casim}}{\text{rs of Casim}}$ $\frac{57 \text{fer} 6 \text{"}}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{Supply}}$ $\frac{1 \text{st}}{140 - 155}$ $\frac{73 \text{fe}}{13 \text{fe}}$ $\frac{1000 \text{acc}}{1000 \text{acc}}$	g. rations <i>c loccs</i> 2nd Supply	
(b) Use bor <u>ADDITIO</u> Samples have be will be left at	e know re, h. <u>NAL</u> of <u>s</u> en <u>}</u> the	E NW SW W. SW appropriate dir wn point such a cmestead, outst INFORMATION OF	ection. s existing ation, etc. <u>INTEREST</u> . r supplies ing Place <i>fluce</i>	Date of Co 14 Total Dept Particular Particular Construct Particular Construct Particular Construct C	$\frac{\text{omplation.}}{ 1 - \langle \varphi \langle \varphi \rangle}$ $\frac{11 - \langle \varphi \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{11 - \langle \varphi \langle \varphi \rangle}{\text{rs of Casim}}$ $\frac{157 \text{fer} \langle \varphi \rangle}{\text{rs of Perfo}}$ $\frac{376 \text{"correces}}{\text{supply}}$ $\frac{15t}{140 - 155}$ $\frac{13 \text{fe}}{1000 \text{are}}$ $\frac{1000 \text{are}}{24 \text{krs.}}$	g. rations <i>c loccs</i> 2nd Supply	

POWER			3ox 1096, I ne: (089) 8	Darwin N.T. 08 2 6413	01	Bottle N			Lab Reg	ister No.:
WATER		Facsimi	le: (089) 8	2 6410		8	KS9		4:	34
AUTHORITY WATER RESOURCES		Date R	eceived i	n Lab:	Time	Sample	ed:		Date Samp	led:
WATER CHEMISTRY	LABORATORY	18-10-95		-95		1110	>		24-8-95-	
R/N No.: 5652 D	epth (m) :	Q: 001	LGT	Мар:	51	-53-	14		Sampler:	
G.S. No.: G	.H. (m):	Q:		G.R.: 4259 10)©_	736	7040	N	•	RIDE
ocation:	YA STN	_ · .				1	emp °C: ≁ _``	Field	pH: F	Teld Cond µScm ⁺ 8610
JUNCT	ION BOR	Gr. I				RSP:	<u>`</u>	Proje	ct No.: RMA	3000
		A	ALYSI	S - PHYS	SICA	L				
pH	[45	00-H+B]	7.5	Co	our (H	azen units)		[2120B]	
Electrical conductivity (microsiemens/cm at 25	°C) [2	2510B]	9480) 🗖 Tur	oidity (NTU's)			[2130B]	
Total dissolved solids (mg L ⁺ - dried at 180° C	>) [2	2540C]	6200) 🗖 Sus	pende	d solids (n	1g L'')		[2540D]	
		ANA	LYSIS -	CHEMIC	AL	(mg L·1)				
Sodium, Na	[3	8111B]	1720	Chi	oride, I	CI			[4500-CI ⁻	B] 2430
Potassium, K	[3	8111B]	35	Sul	ohate,	SO1			[G]	1300
Calcium, Ca	Įs	3111D]	322	🗖 Nitr	ate, No	О,			[4500-N0 ₅ "	вј 2
Magnesium, Mg	(3	3 1 11B]	133	Bic	arbona	ite, HCO,			[2320B]	379
Iron, (total) Fe	[3	8111B]	0.1	Car	bonate	e, CO;			[2320B]	0
Total Hardness (as CaC	O ₃) Calculation [2	2340B]	1350	Э 🔲 Нус	Iroxide	ОН			[2320B]	0
Total Hardness (as CaC	O ₂) Titration [2	2340C]		Flu	oride, f	=			[4500-F	c] 0.7
Total Alkalinity (as CaCo	D ₃) [2	23208]	311	Nat	CI (calc	, from chi	oriđe)			4000
Silica, SiO2	[45	00-Si D]	20	Dis	soived	Oxygen			[4500-0-0	2]
		ANAL	YSIS -	ADDITIO	NAL	. (mg L·1)		_	-	
Copper, Cu [31	11B]	Mang	ganese, Mr	n (3111B)			Zinc	, Zn	[3111	B]
]	, , , ,									
VIS DENOTES UNSU ANALYSIS	JITABLE FOR				95	-96/042	5 # :	9		<u> </u>
NSU		-								

* T DENOTES TOTAL ANALYSIS



SAMPLE

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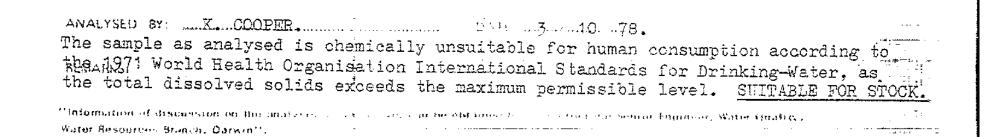
DENOTES FILTRATE ANALYSIS

Bore Report RN005652

WATER ANALYSIS		Liberatory Augistic Ne	
DEPARIMENT OF NORTHERN AUSTRALIA	:	د. ۱۹۹۲ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰	78/1174
WATER RESOURCES BRANCH	in Transie Tr	have a population fors	18.8.78 Dure of Sampling
LOCATION AND DETAILS	: ZR 30	1640	2.8.78
JUNCTION BORE UNDOOLYA STAT	TON RN 565	2 DISCHARGE 0.61ps I	ISCHARGE PIPE
16 814	SAMPLER		RSP 171
1	ANALYS	us - Physical	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
pH	7.2	Carbon altazon grago.	
Specific conductance (microsiemens.cm at 25 C)	· · · · · · · · · · · · · · · · · · ·	Surface to the P Hone of the States	- · · · · · · · · · · · · · · · · · · ·
Total dissolved solids	9840	Suspended solutions to	1 13 ·····
(mg-1 - 'by evaporation at 130-C1	<u>6630</u>	and the second	
	<u></u>	CHEMICAL 1mg ()	
Total dissolved solids (by summation)	, 6857	Formulk limity (as CACO ₃)	
Stidium chloride (calo - from chloride)	4405	Total hardness (as CaCO3)	1513
Chloride, Cl	2673	Socium, Na	1775
Sulphate, 504	1340	Proassnen, K	60
Nitrate NO3	<1	• —•• • C.)(•990 1/9	369 .
Bicarbonate, HCO3	320	Magnessian, Mg	
Carbonate, CO3		ມມະຊີມູຍເຫັນກະກະການການການການເຊິ່ງມີ 	
luoride, F	1.4	510514 5 10 5	
	ANALYSIS - A	DDITIONAL ung/1)	
	<u></u>		
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N.T.A. 152

NORTHERN TERRITORY ADMINISTRATION-WATER RESOURCES BRANCH

WATER ANALYSIS

cation and details Alice S	prings Und	colya Station J	unction Bore	
*****	Alic	e Springs W.R.B.		
		16/814	· ·	
alysis in parts per million— p.p.m. (unless otherwise state	-d)		
Appearance	,,,	Taste and odour	11 a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
Conductivity (Micromhos/cm ²) at 25°C	9000	ъĦ	7.5	
			1340	
Fotal dissolved solids				
Suspended solids	1			
Total solids	**************************************	Hardness, permanent	1114	
nions		Cations-	· · · · · · ·	
Chloride	2640	Sodium	1850	•
Sulphate	1210	Potassium	39	
Nitrate	<u>{1</u>	Calcium	28.3	-
Nitrite			143	•
Carbonate	م	Ammoniacal nitrogen	· · · · · · · · · · · · · · · · · · ·	• -
Bicarbonate			<u>11,5</u>	. .
Fluoride				
Silica				
Boron				
Alkalinity		-		
				ه د
Turbidity	(1		nen er fikieden en e	-

Manganese

Analysed by John B. Jones

Date____28/2/69

The sample as analysed is chemically suitable/unsuitable for human consumption.

REMARKS: