Northern Affairs Program P.O. Box 100 Frobisher Bay, N.W.T. OHO AOX

1985 07 18

Double Registered

Mr. D. Turpin Regional Engineer Department of Public Works Government of the N.W.T.

Your file Votre référence

Our file Notre rétérence NAA4-0640

Dear Mr. Turpin

Re: 1) Inspection Report on Broughton Island

Water Authorization N4A4-0640
2) Letter Theriault - Turpin August 28, 1984
3) Letter Theriault - Turpin February 19, 1985.

Attached is a copy of the above noted Inspection Report of Broughton Island's water and sanitation facilities as they relate to the Water Authorization N4A4-0640 which is held by your Department.

As you will note the previous correspondence forwarded your office in regard to this matter (our letters dated 28 August 84 and 19 February 1985) remain unanswered. Our request for your comments and views on compliance improvements, plans and drawing have been ignored.

I would appreciate if you would give this matter your personal consideration ensuring that the points previously raised are reviewed and addressed.

The request made do not represent any significant burden and 1 would hope that they be treated in a co-operative and responsive manner.

Yours truly

MA Theriault District Manager Baffin District

c.c.

Smyth

Department of Indian & Nortrier Atlairs Northern One and Stanch AUG 19 1985

WATER MANAGEMENT YELLOWKNIFE, N.W.T.

INSPECTION REPORT

DEPARTMENT OF PUBLIC WORKS

GOVERNMENT OF THE NORTHWEST TERRITORIES

BROUGHTON ISLAND

JUNE 4, 1985

bу

PETER BANNON
INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT
INDIAN AND NORTHERN AFFAIRS CANADA
NORTHERN AFFAIRS PROGRAM
BAFFIN DISTRICT

Water Register: N4A4-0640 Dated: July 18, 1985

# INSPECTION REPORT BROUGHTON ISLAND N4A4-0640

## Introduction

The water and sanitation services in the Hamlet of Broughton Island as they relate to the Water Authorization N4A4-0640 were inspected on June 4, 1985 by Peter Bannon, an Inspector under the Northern Inland Waters Act. The holder of the Water Authorization is the Department of Public Works (DPW) of the Government of the Northwest Territories (GNWT) and the Hamlet of Broughton Island carry out the service. An application for a Water Licence was made by the Hamlet and Public Hearings were held in March of this year. The first draft of the Water Licence was produced just prior to this inspection and the main purpose of the Inspection was to discuss the draft Licence with the Hamlet in preparation for the Technical Advisory Committee Meeting which would be held shortly in Frobisher Bay. The Inspector met with Colleen Peterson, the Secretary Manager for the Hamlet.

# A. Water Supply

There were no problems expressed by the Hamlet or observed by the Inspector. The water supply, the Tulugak River was still frozen and water was being drawn from the reservoir. A new truck-fill pumping station had been constructed since the last inspection; however the automatic chlorination unit will not be installed until this summer. The truck driver informed the Inspector that approximately 25,000 to 35,000 litres of water per day is delivered to about 108 buildings in the community.

## B. Sewage Disposal

The pumpout sewage and the bagged sewage are disposed of at two separate locations at the dump. Some landfilling occurs at the dump. The spring melt had started and runoff from the dump to the sea

Inspection Report Page 2

(less than 100 meters) was observed. The flow in one small stream was crudely estimated to be about 200 -300 litres per minute.

There are approximately 40 buildings on bagged sewage (1984 production - 7,962) and 63 buildings on pumpout systems which produced4355 cubic meters in 1984. There are 38 buildings with greywater discharge directly to ground.

There were no signs observed, designating the sewage disposal areas.

# C. Solid Waste Disposal

Solid wastes are segregated into large metal wastes and general refuse and are deposited in separate locations at the dump where the sewage is also deposited. During the recent Public Hearings some concerns were raised by the residents about the location and the possible fencing of the dump. The dump is located approximately 2 kilometers from the community and is less than 100 meters from the sea. As mentioned previously in the report, there is substantial drainage through the site. No signs were posted designating this as a solid waste disposal area.

#### D. Surveillance Network Program

The truck-fill pump had blown a fuse or circuit breaker when the Inspector tried to collect a sample so the sample was taken from the delivery truck prior to chlorination. This will be station 640-2 in the new Water Licence.

Water samples of the runoff from the dump site were collected. No biological analysis could be considered because of time limits with respect to holding time prior to analysis.

Inspection Report Page 3

# E. Records and Reporting

The Hamlet are recording all of the necessary data and submitting it to the G.N.W.T. and they in turn have **ignored** all requests for the information.

# F. On-site Discussion

Discussions with the Secretary Manager for the Hamlet centred around the terms and conditions of the draft Water Licence and the upcoming Technical Advisory Meeting.

## G. Summary

The reservoir now has a truck-fill pumping station and the automatic chlorination unit should be installed this summer.

The sewage and solid waste disposal area is being maintained in the usual manner. There was substantial runoff from the site observed and water samples were collected.

The draft Water Licence was discussed at some length with the Secretary Manager for the Hamlet.

Tell Banner

Peter Bannon Inspector Under the

Northern Inland Waters Act.

Water Registry: N4A4-0640

Dated: July 18/85

| HATE                     | R RESOURCES   |          |            |          |              |          |  |          |                    | _          | KIES PE  |                | illian.                            |
|--------------------------|---|----------|------------|----------|--------------|----------|--|----------|--------------------|------------|----------|----------------|------------------------------------|
| TCENSUE/                 |   |          | 11.10      |          | CE           |          | ANALYSI  |          | 1.00               | TA         | · MOT    |                |                                    |
| ROJECT                   | IN I DE   | V        | NUM        | BE       | R N41        |          | 9- 06  |          | (                  | 250        | TOWN     | No.            |                                    |
| LED                      | 1 w 12/84   |          | REC        | ΕI       | VED M        | <u>n</u> | L 20/  | 84       | COY                | PI         | ETED AP  | RIL            |                                    |
| TATION NU                | MBER  | 1        | 40-1       | L        |              | _        |  | _        |                    | -          |          | N. W.          |                                    |
| ABORATORY                | NUMBER  |          | 40138      | _        |              | _        |  | _        | er gaar 12 55 € 1. | <u> </u>   |          | 14.4           |                                    |
| ALYSIS R                 |   | 1        |            | ✓        | a management | <b>V</b> | The state of the s | V        |                    | <b>✓</b>   |          | 1              | i iv                               |
| d (units)                | ty (µmbo/cm)  | <b>V</b> | 120        |          |              |          |  |          |                    |            |          |                |                                    |
| Dissolved                |   | 7        | 1.0        | -        |              | -        |  | -        |                    | -          |          | 1              |                                    |
| Colour (co               | lour U.)  | 7        | v <5<br><5 |          |              |          |  |          |                    |            |          |                |                                    |
| Suspended TDS, Resid     |   |          |            |          |              |          |  |          |                    |            |          | 1              |                                    |
| Calcium<br>Magnesium     |   | V        | 0.3        |          |              |          |  |          |                    |            |          | 1              |                                    |
|                          | ess (CaCO <sub>3</sub> )<br>inity(CaCO <sub>3</sub> ) | V        | 2.5<br>2.5 |          |              | ┞        |  | 1        |                    | -          |          |                |                                    |
| Sodium<br>Potassium      |   | V        | 22.5       |          |              |          | : :  | -        |                    | F          |          |                |                                    |
| Chloride                 |   | V        | 21.        |          |              |          |  |          |                    | L          |          |                |                                    |
| S hate                   | form/count/   | -        | 7.1        | ┞        | <u> </u>     | ├        | 1  | $\vdash$ | 1                  | -          |          |                |                                    |
| Fecal Coli               | . (100)   |          |            |          |              |          |  |          |                    |            |          | 1              | 1.1                                |
| Fecal Stre               | p. m] / Cnt (cnt/m]                                   | )        |            | L        |              |          |  |          |                    |            |          | 1              |                                    |
| `30D5                    |   |          |            | ┞        |              | ╀        | -  | -        | <del> </del>       | -          |          |                |                                    |
| Carbon, IC               |   |          |            | <u> </u> |              | ļ        |  | -        |                    | -          |          |                |                                    |
| Carbon, TO               |   |          |            |          | •            |          |  | Ė        |                    |            | <u> </u> | 1              |                                    |
| Nitrate +                |   |          |            | -        | <b></b>      | ╀        |  | +        | ļ                  | 1          |          | 100            |                                    |
| Total Kjel<br>Phosphorus | O-P(as)   |          |            | -        |              | F        |  | -        |                    | -          | 1        |                |                                    |
| Phosphorus<br>Silica Rea | c.(as SiO <sub>2</sub> )                              |          |            |          |              | 1        |  | ‡        |                    | 1          |          | Ļ              | <b>.</b>                           |
| Total Cyan<br>Available  | ide   | ┞        | <u> </u>   | ╀        |              | 1        |  | 1        |                    | 1          |          |                |                                    |
| Sulphide                 |   |          |            | F        |              | F        | -  | ╀        |                    | +          | 1        |                |                                    |
| Oil & Grea               | se  |          |            | 上        |              | 1        | ·  | 1        |                    | 1          |          |                |                                    |
|                          | T (ug/L)  | 1        | <1.0       | 上        |              | 上        |  | 1        |                    | $\ddagger$ |          |                |                                    |
| Alenic                   | D (ug/L) T (ug/L)                                     |          | 0.2        | +        | -            | ┼        | <del> </del>   | 1        |                    | 士          |          | 4.             |                                    |
| Cadmium                  | D (ng/r)  | Ĺ        |            | Ţ        | ļ            | 1        |  | +        | -                  | +          | 1        | 100            |                                    |
| Copper                   | T (ug/L)  D (ug/L)                                    | 1        | < 1.0      | 1        |              | ‡        | 1  | 1        |                    | 7          | <u>.</u> | 54<br>55<br>55 |                                    |
| Iron                     | T (ug/L) D (ug/L)                                     | ~        | 30.        | 1        | -            | 1        | +  | #        |                    | 1          |          | 1              |                                    |
|                          | T (ug/L)  | 1        | 2.0        | +        | -            | +        | 1  | +        |                    | 1          |          | 1              |                                    |
| Lead                     | D (ng/L)<br>す (ng/L)                                  | 1        | 0.01       | 1        |              | 1        |  | 1        |                    | +          | 1        | 1              |                                    |
| ercury                   | D (ug/L) T (ug/L)                                     | 1-       | <1.0       | 1        |              | 1        |  | 1        |                    | 1          |          | 1              | ,                                  |
| ickel                    | D (pg/L)  | 1        | i7         | 1        |              | 1        | -  | 1        |                    | 1          | 1        | 7              |                                    |
| inc                      | T (ng/L) D (ng/L)                                     | -        |            | 1        |              |          |  | 1        |                    | 1          |          | 1              | $\mathbf{b}_{p_{i}, \dots, p_{i}}$ |
| Thromium                 | T (ng/L) D (ng/L)                                     | 1        |            |          |              | 1        |  |          |                    |            |          |                |                                    |
|                          |   | 4:       |            |          |              | 1        | İ  | 1        |                    | 1          |          | 1              |                                    |
|                          |   |          |            |          |              |          |  |          |                    |            |          |                | =::                                |

WATER BESOURCES D (STON, YELLOWKNIFE, NORTY ST TERRITORIES LD SAMPLING AND DATA Bloughton CI CENSEE/PROJECT W LICENCE NO. LOCATION 公内心 119AG-640 Reguruoir FAMPLED May 12 SAMPLED BY 5 NALYSIS SAMPLE PRESERVATIVE STATION NUMBER VOLUME BOTTLE NUMBER SISC. & 1 LITRE NONE ARSENIC HEAVY 500 ML 2 ML 1:1 HNO3 METALS About 6 pellets NaOH to pH 12 CYANIDE 500 ML 2 ML 1:1 HNO<sub>3</sub> + 2 ML 5% K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> ):ERCURY 250 ML TRIENTS 250 ML NONE NONE . BACTERIA 500 ML 1 LITRE OIL AND 4 ML 1:1 H2SO4 GREASE (GLASS) 1600 ime of Sampling -22 ir Temperature ater Temperature ate of Flow ce Thickness epth of Sampling 20 onosctivity issolved Oxygen

DEPARTMENT ( INDIAN AFFAIRS AND NORTHER DEVELOPMENT WATER RESOURCES DIVISION, YELLOWKNIFE, NORTHWEST TERRITORIES

RESULTS OF LABORATORY ANALYSIS

| nlet of Br                       | <b>3</b> 44  | Lion NUM   | ENC<br>BER   | E N41                             |  |  | _        | LOC        | AT<br>Of   | er Res.   | Ψ  | Du  | mp   |
|----------------------------------|--|--|--|-----------------------------------|--|--|----------|------------|--|---|--|---|--|
| DATE SAMPLED Time 5/85           |  |  | E<br>EIV   | 'ED Ju                            |  |  | 5        | Inar       | TT.  |   |  |   | -  |
| ., ),,,,                         | Ι  |  |  |                                   |  |  |          | 308        |  |   | T  | <u> </u>  |  |
| STATION NUMBER LABORATORY NUMBER |  |  |  |                                   |  |  |          |            |  |   | T  |   |  |
|                                  |  | To the second  | F  | a promise                         | 1  |  | <b>√</b> | ) or the   | <b>V</b>   | - 21,210,2  |  |   |  |
| (µmho/cm)                        | V  | 6.34   | V  |                                   | 4  |  |          |            | F  |   | F  | F   |  |
| ygen                             | 7  |  | V  | 22                                |  |  |          |            | F  |   | #  | F   |  |
|                                  | V  | 45   | П  |                                   |  |  | -        |            | 1  | 1   | +  | 1   |  |
|                                  | 기  | 45   | V  | 64                                | 1  |  | П        |            | 1  |   | +  | 1   |  |
|                                  | V  | 64   | V  | 400                               | 1  |  |          |            | T  |   | +  | 1   |  |
|                                  | V  | 1.6  |  |                                   | $\Box$   |  |          |            | T  |   | 1  | 1   |  |
|                                  | N  | 1.04   | П  |                                   | $\Box$   |  |          |            | T  |   | 1  | 1   |  |
| s (Cacoa)                        | ☑  | 8:3  | П  |                                   | $\Box$   |  |          |            | T  |   | +  | T   |  |
|                                  |  | 5.1  | 口  |                                   | ♂  |  |          |            | Γ  |   | 丁  |   |  |
|                                  | И  | 20.4   |  |                                   | 口  |  |          |            | T  |   | 丁  |   |  |
|                                  | V  | 1,4  |  |                                   | d  |  |          |            | T  |   | 丁  |   |  |
|                                  | V,   | 58   |  |                                   | Ц  |  |          |            | T  |   | 丁  | Γ   |  |
|                                  | 4  | 6.9  |  |                                   | 口  |  |          |            | Γ  |   | 丁  |   |  |
| rm/count λ                       | П  |  |  |                                   | 口  |  |          |            | Γ  |   | T  | 0   | 640  |
| 100                              |  |  |  | 1                                 | 口  |  |          |            | Γ  |   | T  | $\Gamma$  | PB   |
| ml                               | Ц  |  |  |                                   | 口  |  |          |            | $\Gamma$   |   | I  |   |  |
|                                  | 5  |  | $\Box$   |                                   |  |  |          |            | F  |   | T  | $\vdash$  |  |
|                                  | 口  |  |  |                                   |  |  |          |            | $\Box$   |   | T  | $\vdash$  |  |
|                                  | $\Box$   |  |  |                                   | П  |  |          |            | $\Gamma$   |   | I  | $\Box$  |  |
|                                  |  |  |  |                                   | d  |  | T        | INI-A RAIN | Γ.   | VATERIO   | J  | F   |  |
|                                  |  |  | V  | 74.*                              |  |  | F        | APLANA.    | T  |   | J  |   |  |
| ogen /as\                        |  |  | $\Box$   |                                   |  |  | T        | NOM        | Jo   | 1085  | 1  | $\Box$  |  |
|                                  |  | ^  | $\Box$   |                                   |  |  | T        |            | 1  |   |  | $\Box$  |  |
|                                  |  | 1  | $\Box$   | 74 010                            | 10   |  | J        |            |  |   |  | $\Gamma$  |  |
|                                  |  | _c/ ld   | $\Box$   | No. Eye                           | P.   |  | T        | Of         | ħ  |   | 1  | $\Gamma$  |  |
|                                  |  | CAN  | $\Box$   | 100                               |  |  | Г        |            | L  |   | I  | $\perp$   |  |
|                                  | T  | 4125   | $\Box$   | 120                               |  |  |          |            | $\Gamma$   |   | I  | $\perp$   |  |
|                                  | 1  | 100  | T  | 1 1/2                             |  |  | L        |            | Ţ  |   | I  | $\perp$   |  |
|                                  | 1  | B  | 7  | - 9                               |  |  | [        |            | Γ  |   | $\int$   | 1   |  |
| Y                                | 1  |  | T  |                                   |  |  | L        |            | Ţ  |   | I  | 厂   |  |
| 1                                | T  |  | V  | <, 5.0                            | F.   |  | L        | <u> </u>   | T  |   | I  | $\perp$   |  |
|                                  | 1  |  | T  |                                   | 1  |  | T        |            | I  |   | I  | $\perp$   |  |
|                                  | 1  |  | T  |                                   | T  |  | Γ        |            | I  |   | I  |   |  |
| (ug/T)                           | 7  | 41.0   | V  | 41.0                              | I  |  | I        |            | I  | 1   | I  | 工   |  |
| (HE/I)                           | 1  |  | T  |                                   | Γ  |  | T        |            | Ţ  |   | T  | 1   |  |
| (ug/L)                           | V  | 0.51   | V  | 0.46                              | $\Gamma$   |  | T        |            | Ţ  | +   | 1  | 1   |  |
| 7                                | 1  |  | T  |                                   | Γ  |  | $\Gamma$ |            | T  |   | 工  | 1   |  |
|                                  | V  | 1.12   | 1  | 14.7                              | Γ  |  | L        | -          | Ţ  | 1   | 工  | 1   |  |
| (ug/L)                           | 广  | 1  | 1  | L                                 | T  |  | Γ        |            | I  | +   | T  | 1   |  |
|                                  | 1  | 125.   | 1  | 154.                              | T  |  | I        | 1          | T  |   | $\perp$  | 1   |  |
|                                  | +  | 102  | 1  | 1211                              | T  |  | $\Gamma$ | 1          | T  | +   | $\perp$  | 1   |  |
|                                  | 17   | 06   | 13   | 15.0                              | T  |  | Γ        |            | I  | +   | 1  | 1   |  |
|                                  | 广  | 0.0  | +  |                                   | T  |  | Γ        |            | I  |   | 1  | 1   |  |
|                                  | 10   | 40.05  | TV   | 0.80                              | T  |  | I        |            | Ţ  | +   | 1  | 1   |  |
|                                  | 广  | -0.03  | <del>†.</del>  |                                   | T  |  | T        |            | I  | 1   | _[   | 1   |  |
|                                  | 10   | 11/2   | 17   | Z.10                              | T  | L  | I        | $\perp$    | I  | +   | 1  | 1   |  |
|                                  | ť  | 14.4   | +  | 1.                                | T  |  | $\Gamma$ |            | I  | 1   | 1  | 1   |  |
|                                  | 10   | 1  | +  | ac                                | +  | 1  | T        |            | I  | 1   | I  | 1   |  |
|                                  | +  | 74.  | 广  | 13.                               | 1  |  | T        |            | I  | +   | 1  | +   |  |
|                                  | 1.7  |  | 1  | ₹ 25                              | 1  | L  | T        |            | I  | +   | 1  | 4   |  |
|                                  | +  | 0.85   | 十  | 2.33                              | +  |  | T        |            | I  |   | 1  | +   |  |
| (µg/L)                           | +  | <del></del>  | 1.1  | 1                                 | +  | 1  | 丁        |            | J  |   | $\mathcal{I}$  | $\perp$   |  |
|                                  | 1  | 3.5  | 14   | +                                 | 10   | ANDI -1-   | -        | ) OCT 211  | 14   | 85  | 丁  | T   | _  |
|                                  | V  |  |  |                                   |  |  |          |            |  |   | <u>_</u>   | 1   | _  |
|                                  | met of 30  met 5/85  SER  SUMBER  SUIRED  (umho/cm)  Sygen  (TU)  Sur U.)  Slids  SS (CaCO3)  Sity(CaCO3)  Sity(CaCO3)  Corm/count/  100  ml  Cort/ml  Cort/ | Met of Jrug  Met 5/85  SER 6  SUMBER 4  SUIRED /  (umho/cm /  (umh | Met of Douglion NUM  Met /85  SER 640-1  RUMBER 42111  RUIRED / 6.34  (umho/cm / 6.7  rygen  ITU) / 1.6  Pur U.) / 45  Pur (cacoa) / 3.3   LICENC   NUMBER   SER   640-1   6 | Met of Douglton NUMBER 1446  Met 5/85  SER 640-1 640-5  MUMBER 42111 42112  MUHRED V 6.34 8.49  MUHRED V 6 | Met of Groughton NUMBER NULLY  MARY ST. DATE RECEIVED JUMBER  SER 640-1 640-5  RUMBER 42111 42112  PUIRED V 6.34 V 8.49  CUMMOR V 6.34 V 8.49  CUMMOR V 6.7  RUMBER V 1.6 V 22  PUIRED V 1.6 V 23  PUIRED V 1.6 V 23  PUIRED V 1.6 V 23  PUIRED V 1.6 V 22  PUIRED V 1.6 V 23  PUIRED V 1.6 V 22  PUIRED V 1.6 V 24  PUIRED V 1.6 V 22  PUIRED V 1.6 V 24  PUIRED V 1.6 V 22  PUIRED V 1.6 V 24  PUIRED V 1.6 V 26  PUIRED V 1.6 V 25  PUIRED V 1.6 V 26  PUIRED V |          | SER        | Milet of Druglin   NUMBER   NULLY-640   LOC     Milet   185   DATE   RECEIVED   Ture to '85   DATE     Milet   185   Milet   185   Milet     Milet   185   Milet   Milet     Milet   185   Milet   Milet     Milet   185   Milet     Milet   185 | Milet of Braughton   NUMBER   NYLY-640   DATE   The State   NYLY-640   DATE   RECEIVED   The Lo'ss   DATE   COMPL     Milet of Braughton   NUMBER   STATE   COMPL     Milet of Braughton   State   State   Complete     Milet of Braughton   State   State   State     Milet of Braughton     Milet of Braughton   State     Milet of Braughton | MICH of   Dougles   Dicence   NULLY-640   LOCATION   NUMBER   NULLY-640   Date   NULLY-640   Date   NULLY-640   Date   NUMBER   NULLY-640   Date   NUMBER   NULLY-640   Date   NUMBER   NUMBER   NULLY-640   NUMBER   NUM | Composition   Composition | Conting   Cont |

Results are expressed in mg/L, except as indicated. T and D refer to total and dissolved metals respectively.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
WATER RESOURCES VISION, YELLOWKNIFE, NOF VEST TERRITORIES

FIELD SAMPLING AND DATA LICENSEE/PROJECT Hamlet of P "glton Is LICENCE NO. LOCATION
Water Reservoir N4L4-640 DATE SAMPLED JUNE 5/85 SAMPLED BY BONNOT Dump SAMPLE PRESERVATIVE STATION NUMBER ANALYSIS VOLUME 640-18 640-5 BOTTLE NUMBER MISC. & 1 LITRE NONE ARSENIC HEAVY 500 ML 2 ML 1:1 HNO3 METALS About 6 pellets NaOH to pH 12 CYANIDE 500 ML 2 ML 1:1 HNO<sub>3</sub> + 2 ML 5% K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> MERCURY 250 ML NUTRIENTS 250 ML NONE 500 ML BACTERIA NONE 1 LITRE (GLASS) 4 ML 1:1 H2SO4 OIL AND GREASE CYANIA EU 8 - VOV 1045 1115 Time of Sampling Air Temperature Water Temperature 400 l.p.m. approx Rate of Flow Ice Thickness surface surface Depth of Sampling Conductivity Dissolved Oxygen truck fill symphouse 640-1 should have been taken from hose; however, pump was 415 so taken from tank truck apparently prior to chlormatine. 640-5 dump orea. 15-20 meters downstr. a BOD ??? -not overly imp.

|   | DIAND KATER SUALI<br>HAMLET OF BROUGH<br>RAW WATER SUPPLY       | TON MAND<br>INTAKE AT THE TULUGAK RIVER |  |
|---|---|---|--|
| LAB WIMBER Record Number  | 02111<br>42111<br>505<br>194146710<br>1985/19/25<br>10:45       |   |  |
| pH (units) Cond (unbas/cel Sissalved Grygen Turbicity (N10) Color lunits) Susp Solids TDS Residue Calcium Magnesium Tot Aledness Tot Alednoity Sodum Potassium Chiloride Sulphate Flueride Tot Coli (ct/100ml) Fecal Coli (ct/100ml) Fecal Strep (ct/100ml) Sons Sons Sons Sons Sons Sons Sons Sons | 6.43<br>6.7<br>1.6<br>5.6<br>1.6<br>1.0<br>20.4<br>20.4<br>20.4 |   |  |
| Carbon IC<br>Carbon TOC<br>Assonia Mitrogen<br>Nitrite Mitrate<br>Tot Kighdahi N<br>Phosshorus 0 P<br>Phosshorus Tot<br>Silica<br>Tot Lyanide<br>WAD Dyanide<br>Tot Fesid Chlorine<br>Sulptide  |   | •                                       |  |
| Dil Frease Phenois (ug/L) ATTALS (ug/L) ATSALS (ug/L) Arsenic (D) Arsenic (D) Arsenic (D) Bercury (T) Bercury (T) Bercury (SIG) Barium (AE) Berum (D) Bervillum (BIG) Bervillum (AE)  | 1.0 _<br>.05 L  |   |  |
| Baryllium (RE) Baryllium (RE) Baryllium (RE) Cadeium (RE) Fadeium (RE) Fadeium (RE) Fadeium (RE) Chromium (RE) Chromium (RE) Chromium (RE) Chromium (RE) Chromium (RE)  | .31 L   |   |  |
| Copalt (DIG) Cobalt (AE) Copalt (DIG) Copper (DIG) Copper (AE) Copper (AE) Copper (DI   | 1.12  |   |  |
| ron (DIE)   | 125   |   |  |
| Lead (AE) Lead (AE) Lead (DIG) Manganese (DIG) Manganese (AE) Manganese (AE)  | .5  |   |  |
| 14.3<br>11.6 (6)<br>12.6 (7)<br>12.6 (1)<br>12.6 (1)<br>12.6 (1)  | ~_  |   |  |

tegrerated in again except as indicated digested and total acid extractable respectively. (Di refers to less than, 5 indicates field value