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Canada

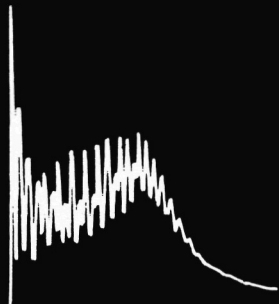
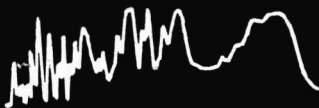
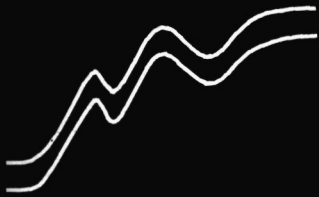
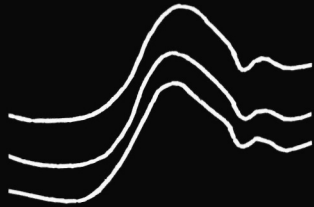
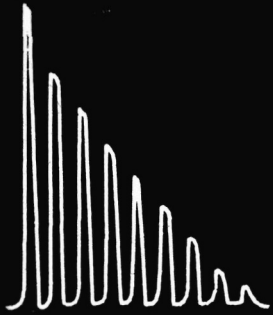
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# Detailed Surface Water Quality Data

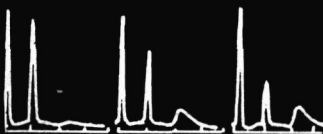
Données détaillées sur la qualité  
des eaux de surface

Northwest Territories  
Territoires du Nord-Ouest

1974-1976



TD  
227  
.N7  
C362  
1974/76





The patterns used to illustrate the cover of this publication are typical of the forms in which results are obtained from the instruments used in Water Quality Branch laboratories. The instruments which produced these patterns are only a few of the many instruments in regular use. The list below and the diagram can be used to identify the instruments which produced the patterns:

- Auto Analyser: 2, 5, 10, 12, 19, 22
- Calibration Curves, Auto Analyser: 23
- Polarograph: 1, 6, 11, 21
- Gas Chromatograph: 3, 8, 9, 13, 14, 16, 18, 20, 24
- Infrared: 4, 17
- Mass Spectrometer: 7, 15
- Computer: 25, 26

Les dessins de la page couverture illustrent la forme sous laquelle on recueille les données obtenues par les appareils des laboratoires de la Direction de la qualité des eaux. Les appareils en question ne représentent qu'une partie de tous ceux qui sont couramment utilisés. La liste qui suit et le schéma peuvent servir à les identifier.

- Auto-analyseur: 2, 5, 10, 12, 19, 22
- Courbes d'étalonnage d'auto-analyseur: 23
- Polarographe: 1, 6, 11, 21
- Chromatographe en phase gazeuse: 3, 8, 9, 13, 14, 16, 18, 20, 24
- Spectrophotomètre infrarouge: 4, 17
- Spectromètre de masse: 7, 15
- Ordinateur: 25, 26

BACK COVER

1	2	3	4
7	8	9	10
13	14	15	16
19	20	21	22

FRONT COVER

5	6	25
11	12	
17	18	26
23	24	

COUVERTURE ARRIÈRE

COUVERTURE AVANT



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## **Detailed Surface Water Quality Data**

**Données détaillées sur la qualité  
des eaux de surface**

**Northwest Territories  
Territoires du Nord-Ouest**

**1974-1976**

**INLAND WATERS DIRECTORATE  
WESTERN AND NORTHERN REGION  
WATER QUALITY BRANCH  
CALGARY, ALBERTA, 1980**

**DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES  
RÉGION DE L'OUEST ET DU NORD  
DIRECTION DE LA QUALITÉ DES EAUX  
CALGARY, ALBERTA, 1980**

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N° de cat. En 36-430/5

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## **Abstract**

Chemical, physical and biological surface water data for Northwest Territories collected during the period 1974 to 1976 are detailed herein. These data are intended to provide a ready reference to the water quality variables measured.

## **Résumé**

Le présent document renferme les données chimiques, physiques et biologiques recueillies entre 1974 et 1976 sur les eaux de surface des Territoires du Nord-Ouest. Ces données devraient permettre la consultation rapide des variables se rapportant à la qualité des eaux.



## GENERAL

The chemical, physical and biological data from selected surface waters in Northwest Territories during the period 1974 to 1976 are presented in this report. These data were obtained from a number of Water Quality Branch programs. Because of changing program priorities and changes in the role of the Branch, the sampling locations, frequencies and parameters also changed during this period. Hence, the amount of available data varies from site to site and from year to year.

Data collection by the Branch may be done either as a special study or survey or as part of a long-term monitoring program. Special studies or surveys are usually of short duration with specific objectives such as determining the source, the pathways, or the distribution of a pollutant in the aquatic environment. Long-term monitoring may be defined as the systematic collection of water quality data at strategic locations to provide an overview of the water quality in the system. This baseline information supports work for assessing trends in the aquatic environment and impacts of development.

This report is the first of a series of detailed water quality data reports to be published on a biennial basis. Earlier data collected in the Northwest Territories were summarized in a publication entitled *Water Quality Data, Northwest Territories, 1960-1973*. The data included in the present report have not been previously published. These data are intended for individuals seeking a more thorough understanding of the variability of the water quality variables measured than can be obtained from the summary publication.

The data in this report are stored on the NAQUADAT computerized storage and retrieval system. A magnetic tape of retrieved data was processed by computerized photo-composition to produce the copy from which the tables were printed. The assistance of personnel from the Water Quality Branch, Hull/Ottawa, in preparing the data retrievals and the map for this report is gratefully acknowledged.

### GUIDE TO USE OF TABLES

Data in this report are arranged in order of the 12-digit code assigned to each station (sampling

## GÉNÉRALITÉS

Le présent rapport traite des données d'ordre chimique, physique et biologique relatives à des eaux de surface choisies des Territoires du Nord-Ouest. Ces données ont été obtenues à partir d'un certain nombre de programmes de la Direction de la qualité des eaux, durant une période s'étendant de 1974 à 1976. À cause de changements de priorités dans les programmes et de modifications du rôle de la Direction, les emplacements, fréquences et paramètres d'échantillonnage ont eux aussi varié au cours de la même période. C'est pourquoi la quantité des données varie selon les emplacements et les années.

La Direction entreprend la cueillette des données en raison soit d'une étude ou enquête spéciale, soit d'un programme de contrôle à long terme. Les études spéciales sont habituellement de courte durée et possèdent des objectifs précis, comme de déterminer la source, les parcours ou la distribution d'un polluant dans l'environnement aquatique. Quant aux contrôles à long terme, on peut les définir comme une collecte systématique de données à des emplacements choisis, permettant d'obtenir un aperçu global de la qualité des eaux dans le système. Ces données servent ensuite de base à l'évaluation des tendances dans l'environnement aquatique et des effets de l'aménagement.

Le rapport qui suit est le premier d'une série biennale contenant des données sur la qualité des eaux. Une publication précédente, *Données sur la qualité des eaux, Territoires du Nord-Ouest, 1960-1973*, résumait les données recueillies dans les Territoires du Nord-Ouest. Les données du présent rapport sont, pour leur part, inédites. Elles s'adressent aux personnes qui veulent avoir, au sujet des variables de la qualité des eaux, plus de détails que n'en donnait la publication sommaire.

Les données sont emmagasinées dans la banque NAQUADAT, système de stockage et de recouvrement informatisés; le ruban magnétique des renseignements extraits a été traité par un procédé de photo-composition électronique afin de produire l'original des tableaux qui suivent. On remercie vivement le personnel de la Division de la qualité des eaux, à Hull et à Ottawa, pour leur aide dans l'extraction des données et la préparation de la carte.

### GUIDE D'UTILISATION DES TABLEAUX

Les données sont disposées selon le code de 12 éléments assigné à chaque station (lieu d'échan-



location). This code incorporates the Water Survey of Canada basin and sub-basin designation. In the station number, the first two numerals refer to the water type (00 designates a stream, 01 a lake or reservoir) and they are followed by a two-letter provincial code (NW for Northwest Territories). The next two numerals and two letters refer to the basin and sub-basin respectively, followed by a final four-digit sequence number. An alphabetical index of stations is printed at the back of the report. This enables the user to determine the station number for a particular location and hence locate the appropriate data. The Station Parameter code 97900S in the index indicates that Water Survey of Canada discharge data are available for that site. The Water Survey Station Reference Number can be obtained from the NAQUADAT station number by replacing the final four-digit sequence with the three-digit code indicated. Geographical coordinates of the sampling sites are also provided in the index.

### CODING OF ANALYTICAL METHODS

The analytical method employed is defined by the six-digit code number shown at the top of each column of data. If the analytical method used for a particular datum was different from the one indicated in the column heading, then the last three digits of the appropriate method code appear as backup codes beside the actual result. The parameter code number is of the form ZZXYA where:

- (1) ZZ is a numeric code designating the type of test as shown in the table following:

<u>Tests</u>	<u>Parameter Code</u>
Chemical tests	ATXYA (At-Atomic number)
Balances and other calculated parameters	00XYA
General physical tests	02XYA
General chemical tests	10XYA
Pesticides and herbicides	18XYA
Bacteriological tests	36XYA
Biological information	54XYA
Other information	97XYA, 98XYA and 99XYA

tillonnage) et incluant la désignation de la Division des relevés hydrologiques du Canada relative aux bassins et aux sous-bassins. Les deux premiers chiffres se rapportent au type d'eau (00 désigne un cours d'eau, 01 un lac ou un réservoir) et sont suivis de deux lettres désignant la province (par exemple, NW pour Territoires du Nord-Ouest). Ensuite viennent deux chiffres et deux lettres, respectivement pour le bassin et le sous-bassin, puis finalement un numéro séquentiel de quatre unités. Au dos du rapport se trouve un index alphabétique du nom des stations, ce qui permet à l'utilisateur de déterminer le numéro de la station pour un endroit précis et de retrouver ainsi les données voulues. Le code paramétrique 97900S pour les stations, dans l'index, indique que la Division des relevés hydrologiques du Canada possède des données relatives au débit, pour cet emplacement. On obtient le numéro de référence de la Division pour la station en remplaçant les quatre derniers chiffres par le code de trois unités qui est indiqué. L'index comporte aussi les coordonnées géographiques des lieux d'échantillonnage.

### CODES DES MÉTHODES ANALYTIQUES

La méthode analytique employée est indiquée par le code de six éléments paraissant à la tête de chaque colonne de données. Si, pour une donnée particulière, la méthode analytique utilisée était différente de celle indiquée en rubrique, les trois dernières unités du code de la méthode appropriée paraîtraient alors à côté de la donnée. Le numéro de code du paramètre se présente sous la forme ZZXYA, où:

- (1) ZZ est un code numérique désignant le type d'essai, conformément à la liste suivante:

<u>Essais</u>	<u>Code paramétrique</u>
Essais chimiques	ATXYA (AT: numéro atomique)
Bilans et autres paramètres calculés	00XYA
Essais physiques généraux	02XYA
Essais chimiques généraux	10XYA
Pesticides et herbicides	18XYA
Essais bactériologiques	36XYA
Renseignements biologiques	54XYA
Autres renseignements	97XYA, 98XYA et 99XYA

- (2) X is a one-digit numerical code (0-9) subdividing group (1).
- (3) YY is a two-digit sequential numerical code identifying the analytical method used for the test. In certain cases this field is used to further subdivide the type of tests described in (1) and (2).
- (4) A is a one-digit alphabetical code indicating the place where the analysis was carried out and whether or not the sample was preserved at the time of sampling. S represents an *in situ* analysis; F, a field laboratory analysis; L, a laboratory analysis without any on-site preservation; and P, a laboratory analysis with on-site preservation of the sample.

In some cases values within the same column have different numbers of significant figures. This may occur when two or more analytical methods have been used to measure a particular parameter and generally reflects the increased precision of the newer method.

A complete description of all the parameter code numbers is given in the NAQUADAT Dictionary.

#### DEFINITION OF TERMS AND SYMBOLS

JTU's	Jackson turbidity units
L	less than
Lat.	latitude in degrees, minutes and seconds
Long.	longitude in degrees, minutes and seconds
MG/L	milligrams per litre
NAQUADAT	National Water Quality Data Storage and Retrieval System
Q	signifies that at least one of the values used in the computation of this result was reported as less than the detection limit. In the computation of calculated parameters analytical values reported as "less than the detection limit" are interpreted as being equal to the numeric value

- (2) X est un code numérique à un chiffre (0 à 9) qui subdivise le groupe(1).
- (3) YY est un code numérique séquentiel qui précise la méthode analytique employée pour l'essai. Il sert quelquefois à subdiviser davantage le type d'essai décrit en (1) et (2).
- (4) A est un code d'une lettre indiquant l'endroit de l'analyse et si l'échantillon a été ou non préservé au moment du prélèvement. S représente une analyse faite sur le lieu même, F une analyse de laboratoire sur le terrain, L une analyse en laboratoire sans agent préservatif et P une analyse en laboratoire avec préservation.

Quelquefois, dans la même colonne, des codes ne possèdent pas le même nombre d'éléments. Cela peut arriver lorsqu'on a utilisé deux méthodes analytiques ou plus pour mesurer un paramètre donné et le code révèle la précision accrue de la nouvelle méthode.

Le dictionnaire NAQUADAT donne une description complète de tous les numéros de code paramétrique.

#### DÉFINITION DES TERMES ET DES SYMBOLES

JTU	unité de turbidité de Jackson
L	moins que
Lat.	latitude en degrés, minutes et secondes
Long.	longitude en degrés, minutes et secondes
MG/L	milligrammes par litre
NAQUADAT	banque nationale de stockage et de recouvrement des données sur la qualité des eaux
Q	signifie qu'au moins une des valeurs utilisées dans le calcul de ce résultat a été signalée comme étant inférieure à la limite de détection. Dans le calcul des paramètres, les valeurs analytiques signalées comme «inférieures à la limite de détection» ont été interprétées comme étant égales à la valeur numérique de la limite

of the detection limit. For example, when computing total nitrogen, given a total Kjeldahl nitrogen value of less than 0.1 milligram/litre (L 0.1 MG/L) and a dissolved nitrogen ( $\text{NO}_3 + \text{NO}_2$ ) value of 0.07 MG/L, the numeric values would be simply added to give a total nitrogen Q.17 MG/L.

NO./100 ML number per 100 millilitres

REL. UNITS relative colour units

SUBM ID submitter identification number. This identifies the sample collector and the project under which the data was collected.

UG/L Micrograms per litre

USIE/CM Microseimens per centimetre

#### ADDITIONAL INFORMATION

Additional information on these data or requests for data not included in this publication may be obtained from:

District Resource Officer  
Water Quality Branch  
Environment Canada  
Rm. 854, 220-4th Avenue S.E.  
Bag 2909, Postal Station "M"  
Calgary, Alberta T2P 2M7

Phone: (403) 231-5320

Questions specifically relating to analytical methodologies should be directed to:

Head, Analytical Services Division  
Water Quality Branch  
Environment Canada  
725 - 11th Avenue S.W.  
Calgary, Alberta T2R 0E3

Phone: (403) 231-5619

de détection. Par exemple, si l'on veut calculer la teneur en azote total, lorsqu'on a une valeur en azote total de Kjeldahl de moins de 0,1 milligramme par litre (L 0.1 MG/L) et une valeur de 0.07 MG/L pour l'azote dissous ( $\text{NO}_3 + \text{NO}_2$ ), on n'a qu'à additionner les deux valeurs, ce qui donne pour l'azote total: Q.17 MG/L.

NO./100 ML nombre par 100 millilitres

REL. UNITS unités relatives de couleur

SUBM ID identifie la personne qui a recueilli l'échantillon et le projet-cadre

UG/L microgrammes par litre

USIE/CM microsiemens par centimètre

#### RENSEIGNEMENTS SUPPLÉMENTAIRES

Pour obtenir d'autres renseignements ou pour des données non comprises dans le présent rapport, écrire à:

Agent des ressources de district  
Direction de la qualité des eaux  
Environnement Canada  
220, 4<sup>e</sup> avenue sud-ouest, pièce 854  
Sac 2909, Station postale "M"  
Calgary (Alberta)  
T2P 2M7

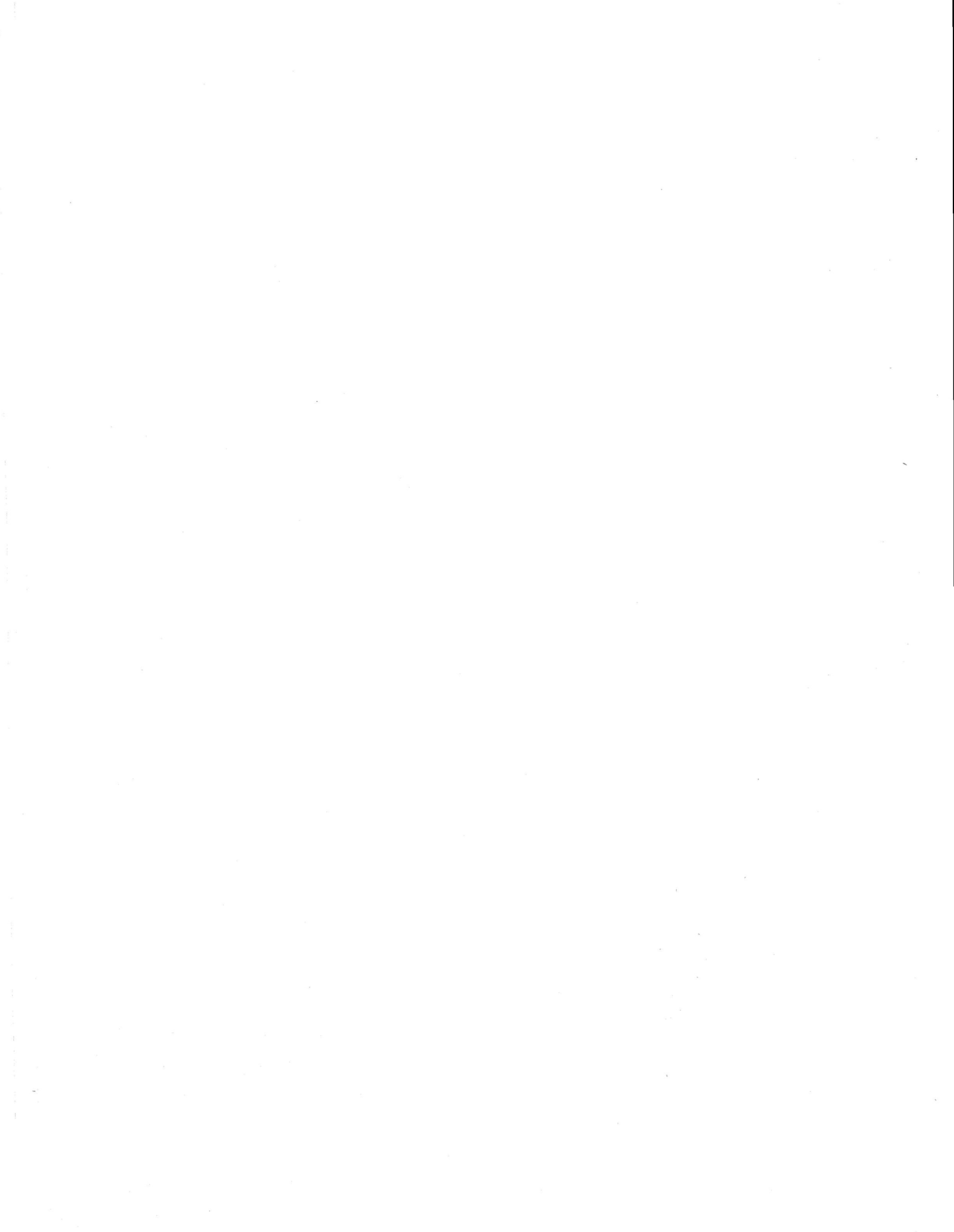
Téléphone: (403) 231-5320

Pour les questions touchant directement les méthodes analytiques, s'adresser à:

Chef, Division des services d'analyse  
Direction de la qualité des eaux  
Environnement Canada  
725, 11<sup>e</sup> avenue sud-ouest  
Calgary (Alberta)  
T2R 0E3

Téléphone: (403) 231-5619

**Detailed Data**  
**Données détaillées**





DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW06JC0001** LAT. **64 D 32 M 10 S** LONG. **101 D 23 M 50 S**

UTM **14 385000E 7158800N**

THELON RIVER ABOVE THELON BLUFFS,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
08	07	74	1200	0001	17.8	24.4		36.		6.8	.3	L5.
31	08	74	1200	0001	7.2	21.9		45.		7.1	.7	L5.
13	07	75	1220	0001	11.	25.8		26.		7.0	1.4	10.
05	09	75	0905	0001	4.4	19.7		42.		7.1	1.6	5.
14	03	76	1525	0001		20.7		68.		6.7	1.7	5.
15	07	76	1505	0001	10.6	22.9		26.		6.8	6.4	5.
12	09	76	0935	0001	2.	21.3		30.		7.1	2.4	L5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
08	07	74	1200	0001				0.	13.	0.	11.0
31	08	74	1200	0001				0.	20.	.0	16.
13	07	75	1220	0001	L10.						6.8
05	09	75	0905	0001	L10.						12.4
14	03	76	1525	0001	L10.						16.5
15	07	76	1505	0001	L10.						8.9
12	09	76	0935	0001	L10.						7.8

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
08	07	74	1200	0001	3.3		1.6	15.0	.8	.3	3.1 <sup>06L</sup>
31	08	74	1200	0001	5.2		1.2	18.	.8	.4	4.0 <sup>06L</sup>
13	07	75	1220	0001	3.6		1.0	13.1	.6	.2	2.7
05	09	75	0905	0001	5.8		1.5	20.8	1.1	.5	4.8
14	03	76	1525	0001	6.6		2.3	25.9	2.3	.9	12.
15	07	76	1505	0001	3.9		.3	11.1	.5	.4	2.7
12	09	76	0935	0001	4.1		1.6	17.0	.8	.3	3.2

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06JC0001** LAT. **64 D 32 M 10 S** LONG. **101 D 23 M 50 S**

UTM **14 385000E 7158800N**

THELON RIVER ABOVE THELON BLUFFS,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SI02	(CALCD.)	C	C
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
08	07	74	1200	0001	L.05	1.2 <sup>04L</sup>	.1	17.	3.0	3.0
31	08	74	1200	0001	L.05	1.3 <sup>06L</sup>	.6	23.	4.	5.
13	07	75	1220	0001	.03 <sup>06L</sup>	1.1	.2	13.		
05	09	75	0905	0001	.03 <sup>06L</sup>	1.1 <sup>06L</sup>	.6	23.		
14	03	76	1525	0001	.07 <sup>06L</sup>	2.2 <sup>06L</sup>	.7	37.		
15	07	76	1505	0001	.04 <sup>06L</sup>	1.2 <sup>06L</sup>	.4	15.		
12	09	76	0935	0001	.06 <sup>06L</sup>	1.2 <sup>06L</sup>	.3	16.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
08	07	74	1200	0001					.006 <sup>06L</sup>	.6	L.001	Q.60
31	08	74	1200	0001					.012 <sup>06L</sup>	.3	L.01	Q.31
13	07	75	1220	0001					.006 <sup>11L</sup>	L.5	.105	Q.61
05	09	75	0905	0001					.007 <sup>11L</sup>	L.5	.064	Q.56
14	03	76	1525	0001					.007	L.5	.20	Q.70
15	07	76	1505	0001					.01	L.1	.015	Q.12
12	09	76	0935	0001					.010	1.2	.01	1.17

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
08	07	74	1200	0001	L.001	L.10		L.010	L.01	L.05	L.001	.004
31	08	74	1200	0001	.005	L.10		L.015	.60	.05	.004	.007
13	07	75	1220	0001	L.005	L.1		L.01	.01	.10	L.001	L.005
05	09	75	0905	0001	L.005	L.1		L.01	.02	.10	L.001	L.005
14	03	76	1525	0001	.29	L.1			L.01	.05	L.001	L.005
15	07	76	1505	0001	L.005	L.1		L.01	.01	.06	L.001	L.005
12	09	76	0935	0001	L.005	L.1		L.01	L.01	.06	L.001	L.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06JC0001** LAT. **64 D 32 M 10 S** LONG. **101 D 23 M 50 S**

UTM **14 385000E 7158800N**

THELON RIVER ABOVE THELON BLUFFS,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
08	07	74	1200	0001	.001	.006	L.001 <sup>04L</sup>		L.05	.002	L.1		
31	08	74	1200	0001	.002	.005		L.01	L.10	.004	L.1 <sup>02P</sup>		
13	07	75	1220	0001	L.001	.010			L.05	L.001	L.1		
05	09	75	0905	0001	.002	L.001			L.05	L.001	L.1		
14	03	76	1525	0001	.003	.005				.001	L.1		
15	07	76	1505	0001	L.001	.003			L.05	L.001	L.1		
12	09	76	0935	0001	L.001	.009			L.05	L.001	L.1		



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06LC0001** LAT. **63 D 39 M 0 S** LONG. **95 D 51 M 15 S**

UTM **15 358600E 7061000N**

KAZAN RIVER ABOVE KAZAN FALLS,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
09	05	74	1200	0001		23.1		48.		6.9	1.5	10.
28	08	74	1200	0001		21.3		22.		7.4	.2	15.
10	07	75	1200	0001	10.	25.7		20.		6.7	1.3	20.
06	09	75	0910	0001	6.1	19.7		18.		7.0	.9	5.
16	03	76	1110	0001		20.7		39.		6.7	1.8	10.
12	07	76	1520	0001		22.2		20.		7.1	2.4	5.
13	09	76	1300	0001	1.	20.8		20.		7.2	2.0	15.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
09	05	74	1200	0001				0.	18.	.0	15.0
28	08	74	1200	0001				0.	13.	0.	11.
10	07	75	1200	0001	12.						5.4
06	09	75	0910	0001	L10.						7.9
16	03	76	1110	0001	20.						13.1
03	05	76	1340	0001	L10.						7.2
12	07	76	1520	0001	L10.						7.4
13	09	76	1300	0001	10.						

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
09	05	74	1200	0001	4.2		1.1	15.0	2.5	1.4	3.1
28	08	74	1200	0001	2.8		.3	8.1	.6	.4	.8
10	07	75	1200	0001	3.4		.6	10.9	.5	.5	.5
06	09	75	0910	0001	3.0		.4	9.3	.7	.6	.4
16	03	76	1110	0001	4.6		2.1	20.1	L.1	1.0	1.2
12	07	76	1520	0001	3.3		.7	11.1	.5	.4	.6
13	09	76	1300	0001	3.5		.3	9.9	.3	.3	.5

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW06LC0001** LAT. **63 D 39 M 0 S** LONG. **95 D 51 M 15 S**

UTM **15 358600E 7061000N**

KAZAN RIVER ABOVE KAZAN FALLS,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
09	05	74	1200	0001	.10	1.8 <sup>04L</sup>	.2	23.	5.0	4.0
28	08	74	1200	0001	.09	1.1 <sup>06L</sup>	.1	13.	3.	2.
10	07	75	1200	0001	.08 <sup>06L</sup>	L1.0	.1	Q10.		
06	09	75	0910	0001	.09 <sup>06L</sup>	1.3 <sup>06L</sup>	L.1	Q11.		
16	03	76	1110	0001	.14 <sup>06L</sup>	2.2 <sup>06L</sup>	.4	Q19.		
12	07	76	1520	0001	.09 <sup>06L</sup>	1.0 <sup>06L</sup>	.2	11.		
13	09	76	1300	0001	.07 <sup>06L</sup>	L1. <sup>06L</sup>	L.1	Q10.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
09	05	74	1200	0001					.010		.080	
28	08	74	1200	0001					.050 <sup>06L</sup>		L.01	Q.31
10	07	75	1200	0001					.010 <sup>11L</sup>	L.5	.435	Q.94
06	09	75	0910	0001					L.005 <sup>11L</sup>	L.5	.028	Q.53
16	03	76	1110	0001					.01	L.1	.13	Q.23
12	07	76	1520	0001					L.005	L.1	L.01	Q.11
13	09	76	1300	0001					.007	.4	.012	.38

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
D	M	Y	HR	SUBM ID	MN MG/L	FE MG/L	CU MG/L	PB MG/L	ZN MG/L	CR MG/L	NI MG/L
09	05	74	1200	0001	L.01 <sup>04L</sup>	L.05	.006 <sup>05L</sup>	.004 <sup>03L</sup>	.021 <sup>05L</sup>		.003 <sup>02L</sup>

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
09	05	74	1200	0001				L.015 <sup>02L</sup>			.002 <sup>02L</sup>	
28	08	74	1200	0001	.005	L.1		L.015	.072	.10	.002	.005
10	07	75	1200	0001	L.005	L.1		L.01	L.01	.05	L.001	L.005
06	09	75	0910	0001	L.005	L.1		.01	.025	.18	L.001	L.005
16	03	76	1110	0001	.026	L.1			L.01	L.05	L.001	L.005
03	05	76	1340	0001	L.005	L.1			L.01	.06	L.001	L.005

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW06LC0001** LAT. **63 D 39 M 0 S** LONG. **95 D 51 M 15 S**

UTM **15 358600E 7061000N**

KAZAN RIVER ABOVE KAZAN FALLS,  
NORTHWEST TERRITORIES

SAMPLE DATE						82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L	
12	07	76	1520	0001	L.005	L.1		L.01	L.10	L.05	.001	L.005	
13	09	76	1300	0001	L.005	L.1		L.01	L.01	L.05	.001 <sup>02L</sup>	L.005	

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
09	05	74	1200	0001				L.01			L.1 <sup>01L</sup>		
28	08	74	1200	0001	L.001	.009		L.01			L.1		
10	07	75	1200	0001	L.001	L.001			L.05	L.001	L.1		
06	09	75	0910	0001	.002	.002			L.05	L.001	L.1		
16	03	76	1110	0001	.014	.026				.007	L.1		
03	05	76	1340	0001	L.001	L.001				L.001	L.1		
12	07	76	1520	0001	.003	.009			L.05	L.001	L.1		
13	09	76	1300	0001	.002	.010			L.05	L.001	L.1		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06MB0001** LAT. **64 D 27 M 30 S** LONG. **94 D 7 M 10 S**

UTM **15 446200E 7148400N**

QUOICH RIVER NEAR BAKER LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS	
10	05	74	1200	0001		23.0		30.		6.6	1.5	5.	
29	08	74	1200	0001	10.0	21.3		9.		6.7	.5	L5.	
06	05	75	2105	0001		21.8		9.			1.2	5.	
10	07	75	1810	0001	13.2	26.0		5.		6.5	1.4	20.	
03	09	75	1510	0001	4.4	19.6		8.		6.5	1.3	5.	
14	03	76	0932	0001		20.9		25.		6.5	1.8	10.	
06	05	76	0825	0001		21.		17.		6.3	1.9	10.	
13	09	76	0945	0001	2.	20.7		10.		6.7	1.7	L5.	

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L	
10	05	74	1200	0001				0.	6.	.0	4.6	
29	08	74	1200	0001				0.	5.	.0	4.5	
06	05	75	2105	0001	13.						L1.0	
10	07	75	1810	0001	L10.						L2.5	
03	09	75	1510	0001	L10.						L2.	
14	03	76	0932	0001	32.						4.9	
06	05	76	0825	0001	L10.						3.9	
13	09	76	0945	0001	L10.						L1.	

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	
10	05	74	1200	0001	2.1		.6	7.6	2.0	1.0	2.5 <sup>06L</sup>	
29	08	74	1200	0001	1.1		.2	3.5	.5	.4	.7 <sup>06L</sup>	
06	05	75	2105	0001	L.5			L.5	.8	.4	1.0	
10	07	75	1810	0001	L.5		Q1.1	5.6	.5	.3	.8	
03	09	75	1510	0001	L2.		Q.1	5.6	1.0	.4	1.0	
14	03	76	0932	0001	3.8		.7	12.3	1.3	.8	.5	
06	05	76	0825	0001	2.1		1.8	12.7	1.3	.6	1.2	
13	09	76	0945	0001	L1.		Q1.5	8.7	.6	.2	.8	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06MB0001** LAT. **64 D 27 M 30 S** LONG. **94 D 7 M 10 S**

UTM **15 446200E 7148400N**

QUOICH RIVER NEAR BAKER LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
10	05	74	1200	0001	L.05	2.3 <sup>04L</sup>	.1	13.	3.0	2.0
29	08	74	1200	0001	L.05	1.1 <sup>06L</sup>	.5	7.	1.	2.
06	05	75	2105	0001	.04 <sup>06L</sup>	3.0	.4	Q7.		
10	07	75	1810	0001	.02 <sup>06L</sup>	L1.0	.5	Q6.		
03	09	75	1510	0001	.03 <sup>06L</sup>	1.2 <sup>06L</sup>	.5	Q7.		
14	03	76	0932	0001	.06 <sup>06L</sup>	2.8 <sup>06L</sup>	.8	14.		
06	05	76	0825	0001	.09 <sup>06L</sup>	2.7 <sup>06L</sup>	.4	12.		
13	09	76	0945	0001	.03 <sup>06L</sup>	1.0 <sup>06L</sup>	.5	Q6.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
10	05	74	1200	0001					.008		.070	
29	08	74	1200	0001					.005 <sup>06L</sup>	.2	L.01	Q.21
06	05	75	2105	0001					L.005 <sup>11L</sup>	L.5	.08	Q.58
10	07	75	1810	0001					L.005 <sup>11L</sup>	L.5	L.01	Q.51
03	09	75	1510	0001					.006 <sup>11L</sup>	L.5	.014	Q.51
14	03	76	0932	0001					.009	L.5	.85	Q1.35
06	05	76	0825	0001					.005	L.5	.035	Q.54
13	09	76	0945	0001					.007	.5	.013	.52

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
D	M	Y	HR	SUBM ID	MN MG/L	FE MG/L	CU MG/L	PB MG/L	ZN MG/L	CR MG/L	NI MG/L
10	05	74	1200	0001	.01 <sup>04L</sup>	L.05	.025 <sup>05L</sup>	.005 <sup>03L</sup>	.053 <sup>05L</sup>		.002 <sup>02L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW06MB0001** LAT. **64 D 27 M 30 S** LONG. **94 D 7 M 10 S**

UTM **15 446200E 7148400N**

QUOICH RIVER NEAR BAKER LAKE,  
NORTHWEST TERRITORIES

	82302P <b>LEAD</b>	13302P <b>ALUMINUM</b>	23301P <b>VANADIUM</b>	24302P <b>CHROMIUM</b>	25304P <b>MANGANESE</b>	26304P <b>IRON</b>	27302P <b>COBALT</b>	28302P <b>NICKEL</b>
	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

CST					SUBM	PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
10	05	74	1200	0001					L.015			L.001	
29	08	74	1200	0001		.005	L.1		L.015 <sup>02L</sup>			L.001	.005
06	05	75	2105	0001		L.004	L.1		L.01	.072	.10	.003	.005
10	07	75	1810	0001		L.005	L.1		L.01	.015	.040	.003	.004
03	09	75	1510	0001		L.005	L.1		L.01	L.01	.05	L.001	L.005
									L.01	L.01	.16	L.001	L.005
14	03	76	0932	0001		.010	L.1			L.01	.18	L.001	L.005
06	05	76	0825	0001		L.005	L.1			L.01	.11	L.001	L.005
13	09	76	0945	0001		L.005	L.1		L.01	L.01	L.05	.001	L.005

	29305P <b>COPPER</b>	30305P <b>ZINC</b>	33103L <b>ARSENIC</b>	38301P <b>STRONTIUM</b>	42301P <b>MOLYBDENUM</b>	48302P <b>CADMIUM</b>	56301P <b>BARIUM</b>	80311P <b>MERCURY</b>
	EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

CST					SUBM	CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
10	05	74	1200	0001					L.01			L.1	
29	08	74	1200	0001		.003	.009		L.01			L.0	
06	05	75	2105	0001		L.001	.020 <sup>04P</sup>			L.10	.003	L.1	
10	07	75	1810	0001		L.001	.004			L.05	.001	L.1	
03	09	75	1510	0001		.008	L.001			L.05	L.001	L.1	
14	03	76	0932	0001		.020	.016				.001	L.1	
06	05	76	0825	0001		L.001	.001				L.001	L.1	
13	09	76	0945	0001		.010	.002			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07OB0001** LAT. **60 D 44 M 45 S** LONG. **115 D 51 M 20 S**

UTM **11 562400E 6734800N**

HAY RIVER NEAR HAY RIVER  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST					DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	SUBM ID								
13	02	74	1520	0124	.3	5.2 <sup>61F</sup>		590.		7.5 <sup>01F</sup>	6.3 <sup>73F</sup>	
06	03	74	1240	0124	.3	3.0 <sup>61F</sup>		338. <sup>41F</sup>		7.5 <sup>01F</sup>	6.8 <sup>73F</sup>	
22	04	74	1030	0124	.3	17.0 <sup>61F</sup>	450.	508. <sup>41F</sup>		7.8 <sup>01F</sup>	48.0 <sup>73F</sup>	
09	05	74	0915	0124	6.0	14.8 <sup>61F</sup>		155. <sup>41F</sup>		7.8 <sup>01F</sup>	195. <sup>73F</sup>	
10	06	74	1300	0124	18.0	20.5	220.	225.	7.7	7.8	43.	140.
02	08	74	0930	0124	20.0	23.3		278.		7.8	15.	

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST					O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	SUBM ID							
13	02	74	1520	0124		2.	L1.			.0 <sup>51F</sup>	207. <sup>01F</sup>
06	03	74	1240	0124		2.	L1.			0.	211. <sup>01F</sup>
22	04	74	1030	0124		64.				0.	194. <sup>01F</sup>
09	05	74	0915	0124		506.	465.	0.	2.	0.	2.
10	06	74	1300	0124		72.	66.	0.	90.	.0	74.
02	08	74	0930	0124				0.	115.	.0	94.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST					CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	SUBM ID							
13	02	74	1520	0124	102. <sup>01F</sup>			293. <sup>03F</sup>	23.0	2.2	8.1
06	03	74	1240	0124	104. <sup>01F</sup>			297. <sup>03F</sup>	24.0	2.2	8.5 <sup>06L</sup>
22	04	74	1030	0124	90.0 <sup>01F</sup>			281. <sup>03F</sup>	23.0	2.3	8.8 <sup>06L</sup>
09	05	74	0915	0124	30.		2.4	85.	5.5	3.0	3.1 <sup>06L</sup>
10	06	74	1300	0124	37.		6.7	120.	9.3	2.5	3.2 <sup>06L</sup>
02	08	74	0930	0124	43.		6.7	135.	10.	2.6	4.6

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07OB0001** LAT. **60 D 44 M 45 S** LONG. **115D 51M 20 S**

UTM **11 562400E 6734800N**

HAY RIVER NEAR HAY RIVER  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
13	02	74	1520	0124	.16	106.04L	8.0		34.0	38.0
06	03	74	1240	0124	.14	112.04L	7.6		43.0	30.0
22	04	74	1030	0124	.10	113.04L	6.5		36.0	23.0
09	05	74	0915	0124	.08	33.04L	3.8	82.	14.	39.
10	06	74	1300	0124	.23	58.04L	3.6	165.	15.	34.
02	08	74	0930	0124	.07	46.06L	5.9	175.	19.	32.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
13	02	74	1520	0124	.043 <sup>13F</sup>		.019 <sup>63F</sup>	.015 <sup>55F</sup>	.047 <sup>13F</sup>	1.1 <sup>01L</sup>	.380 <sup>06F</sup>	
06	03	74	1240	0124	.032 <sup>13F</sup>		.009 <sup>63F</sup>	.009 <sup>55F</sup>	.045 <sup>13F</sup>	.8	.380 <sup>06F</sup>	
22	04	74	1030	0124	.052 <sup>13F</sup>		.005 <sup>63F</sup>	.003 <sup>55F</sup>	.080 <sup>13F</sup>	.9 <sup>01L</sup>	.380 <sup>06F</sup>	
09	05	74	0915	0124	.530 <sup>13F</sup>		.023 <sup>63F</sup>	.011 <sup>55F</sup>	.63 <sup>13F</sup>	.7 <sup>01L</sup>	.02 <sup>06F</sup>	
10	06	74	1300	0124	.098		.017	.009	.13	1.1	L.01	Q1.11
02	08	74	0930	0124	.065		.025 <sup>56L</sup>	.013 <sup>56L</sup>	.094 <sup>06L</sup>	1.2	.19	1.39

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
13	02	74	1520	0124	L.001		L.05	L.010	.02	1.90	.002	.007
06	03	74	1240	0124	.003		L.05	L.010	L.01	1.70	L.001	.004
22	04	74	1030	0124	L.001		L.05	L.010	.04	2.00	.002	.011
09	05	74	0915	0124	.006		L.05	L.015	.26	11.0	.005	.020
10	06	74	1300	0124	L.004		L.05	L.015	.070	5.20	.008	.009
02	08	74	0930	0124	L.004		L.05	L.015	.081	1.8	L.002	.006



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07OB0001** LAT. **60 D 44 M 45 S** LONG. **115D 51 M 20 S**

UTM **11 562400E 6734800N**

HAY RIVER NEAR HAY RIVER  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
13	02	74	1520	0124	.001	.001		.19	L.05	L.001		L.05
06	03	74	1240	0124	.001	L.001		.25	L.05	.001		.07
22	04	74	1030	0124	L.001	L.001		.23	L.05	L.001		.11
09	05	74	0915	0124	.018	.027	L.001 <sup>04L</sup>	.04	L.10	.002		L.03
10	06	74	1300	0124	.003	.005	.001 <sup>04L</sup>	.11	L.10	.001		.06
02	08	74	0930	0124	.002	.005		.11	L.10	L.001		.11

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
13	02	74	1520	0124	.19	.020	
06	03	74	1240	0124	.19	.020	
22	04	74	1030	0124	.15	.021	
09	05	74	0915	0124	.17	.015	
10	06	74	1300	0124	.17	.010	
02	08	74	0930	0124	.19	.009	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07PA0002** LAT. **60 D 42 M 45 S** LONG. **114 D 55 M 0 S**

UTM **11 613700E 6732400N**

BUFFALO RIVER AT HWY 5,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
SAMPLE DATE						DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	ID	SUBM								
29	04	74	1545	0124		.5	21.0 <sup>61F</sup>	115.	195. <sup>41F</sup>	7.9	7.5 <sup>01F</sup>	5.3 <sup>73F</sup>	
10	06	74	1150	0124		18.7	20.5 <sup>61F</sup>		133. <sup>41F</sup>		8.0 <sup>01F</sup>	85. <sup>73F</sup>	

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
SAMPLE DATE						O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	ID	SUBM							
29	04	74	1545	0124			16.				0.	81.0 <sup>01F</sup>
10	06	74	1150	0124			149.	130.			.0 <sup>51F</sup>	128. <sup>01F</sup>

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
SAMPLE DATE						CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	ID	SUBM							
29	04	74	1545	0124		40.0 <sup>01F</sup>			109. <sup>03F</sup>	3.0	2.2	2.7 <sup>06L</sup>
10	06	74	1150	0124		16. <sup>03L</sup>	4.6			3.3	.9	2.4 <sup>06L</sup>

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
SAMPLE DATE						F MG/L	SO4 MG/L	SiO2 MG/L	MG/L	C MG/L	C MG/L
D	M	Y	HR	ID	SUBM						
29	04	74	1545	0124		.09	23.0 <sup>04L</sup>	5.4		16.0	24.0
10	06	74	1150	0124		.07	18. <sup>04L</sup>	1.9		10.	27.

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07PA0002** LAT. **60 D 42 M 45 S** LONG. **114 D 55 M 0 S**

UTM **11 613700E 6732400N**

BUFFALO RIVER AT HWY 5,  
NORTHWEST TERRITORIES

SAMPLE DATE						15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	ID	SUBM	P	P	P	P	P	N	N	N
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
29	04	74	1545	0124		.031 <sup>13F</sup>		.008 <sup>63F</sup>	.003 <sup>55F</sup>	.047 <sup>13F</sup>	1.1 <sup>01L</sup>	.050 <sup>06F</sup>	
10	06	74	1150	0124		.097		.004	L.003	.14	1.1	.02	1.12

SAMPLE DATE						82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	ID	SUBM	PB	AL	V	CR	MN	FE	CO	NI
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
29	04	74	1545	0124		L.001		L.05	L.010	.10	.39	.002	.006
10	06	74	1150	0124		L.004		L.05	L.015	.12	5.20	.007	.007

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	ID	SUBM	CU	ZN	AS	SR	MO	CD	BA	HG
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
29	04	74	1545	0124		L.001	L.001	L.001 <sup>04L</sup>	.08	L.05 <sup>01L</sup>	L.001		
10	06	74	1150	0124		.004	.008	L.001 <sup>04L</sup>	.06	L.10	.001		L.05

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	ID	SUBM	B	LI	CN
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
29	04	74	1545	0124		.15	.005	
10	06	74	1150	0124		.12	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07PB0003** LAT. **60 D 2 M 54 S** LONG. **112D 42 M 0 S** UTM **12 405300E 6657800N**

LITTLE BUFFALO RIVER AT PINE POINT  
HWY 6 EAST OF PINE POINT,

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST						DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	ID	SUBM								
30	04	74	1045	0124		.3	10.3 <sup>61F</sup>	945.	760. <sup>41F</sup>	8.0	7.6 <sup>01F</sup>	27.0 <sup>73F</sup>	
10	06	74	1030	0124		16.8	20.3	1240.	1390.	7.5	8.0	3.7	60.

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10507L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST						O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	ID	SUBM							
30	04	74	1045	0124			54.				0.	86.0 <sup>01F</sup>
10	06	74	1030	0124			4.	3.	0.	156.	.0	128.

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST						CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	ID	SUBM							
30	04	74	1045	0124		146. <sup>01F</sup>			475. <sup>03F</sup>	36.0	2.8	58.0 <sup>06L</sup>
10	06	74	1030	0124		261.		31.9	783.	78.0	2.0	120. <sup>06L</sup>

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST						F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
D	M	Y	HR	ID	SUBM						
30	04	74	1045	0124		.25	400. <sup>04L</sup>	5.8			
10	06	74	1030	0124		.46	630. <sup>04L</sup>	3.3	1203.	30.0	22.0

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07PB0003** LAT. **60 D 2 M 54 S** LONG. **112D 42 M 0 S**

UTM **12 405300E 6657800N**

LITTLE BUFFALO RIVER AT PINE POINT  
HWY 6 EAST OF PINE POINT,

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
30	04	74	1045	0124	.096 <sup>13F</sup>		.012 <sup>63F</sup>	.005 <sup>55F</sup>	.310 <sup>13F</sup>	1.1 <sup>01L</sup>	L.001 <sup>06F</sup>	
10	06	74	1030	0124	.009		.004	L.002	.017 <sup>06L</sup>	1.1	.070	1.17

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
30	04	74	1045	0124	L.001		L.05	L.010	.16	1.70		
10	06	74	1030	0124	L.001		L.05	L.010	.03	.34	.004	.006

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
30	04	74	1045	0124	.004	.014		1.30	L.1	L.001		.13
10	06	74	1030	0124	L.001	.002	L.001 <sup>04L</sup>	2.20	L.05	.001		.07

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
30	04	74	1045	0124	.19	.009	
10	06	74	1030	0124	.31	.012	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07RD0001** LAT. **62 D 53 M 30 S** LONG. **108 D 28 M 30 S**

UTM **12 629000E 6976000N**

LOCKHART RIVER BELOW ARTILLERY LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST					SUBM	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	ID									
11	10	74	1240	0001			20.2		15.		6.9	.3	L5.
11	07	75	1015	0001			25.6		11.		7.0	1.2	20.
21	04	76	1940	0001		2.0	17.1		17.		6.8	2.7	5.

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST					SUBM	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	ID								
11	10	74	1240	0001					0.	8.	.0	6.8
11	07	75	1015	0001		10.						3.4
21	04	76	1940	0001		22.						3.9

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST					SUBM	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	ID								
11	10	74	1240	0001		1.4		.6	6.1	.4	.3	.4 <sup>06L</sup>
11	07	75	1015	0001		2.7		.5	8.7	.2	.3	.3
21	04	76	1940	0001		L1.		Q1.9	10.2	.3	.3	.4

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					SUBM	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
D	M	Y	HR	ID							
11	10	74	1240	0001			1.5 <sup>06L</sup>	.1	9.	2.	3.
11	07	75	1015	0001		.02 <sup>06L</sup>	L1.	.1	Q7.		
21	04	76	1940	0001		L.05 <sup>06L</sup>	1.0 <sup>06L</sup>	.2	Q7.		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07RD0001** LAT. **62 D 53 M 30 S** LONG. **108 D 28 M 30 S**

UTM **12 629000E 6976000N**

LOCKHART RIVER BELOW ARTILLERY LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
11	10	74	1240	0001					L.003	.2		
11	07	75	1015	0001					L.005 <sup>11L</sup>	L.5	.023	Q.52
21	04	76	1940	0001					.005	1.3	.01	1.29

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
11	10	74	1240	0001	.005	.02 <sup>05P</sup>		L.015	L.010	L.04	.005	.003
11	07	75	1015	0001	L.005	L.1		L.01	L.01	L.05	L.001	L.005
21	04	76	1940	0001	L.005	L.1			L.01	L.05	L.001	L.005

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
11	10	74	1240	0001	L.001	.002		L.01	L.10	.002	L.1	
11	07	75	1015	0001	.001	.007			L.05	L.001	L.1	
21	04	76	1940	0001	.003	L.001				L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW07UC0001** LAT. **60 D 56 M 30 S** LONG. **117 D 25 M 0 S**

UTM **11 477000E 6756000N**

KAKISA RIVER AT OUTLET OF KAKISA LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
12	02	74	1315	0124	.3	20.1 <sup>61F</sup>	163.	390. <sup>41F</sup>	7.6	7.7 <sup>01F</sup>	1.6 <sup>73F</sup>	
08	03	74	1430	0124	.3	17.9 <sup>61F</sup>	400.	270. <sup>41F</sup>	7.7	8.0 <sup>01F</sup>	1.5 <sup>73F</sup>	
25	04	74	1210	0124	.5	18.3 <sup>61F</sup>	155.	273. <sup>41F</sup>	7.7	8.1 <sup>01F</sup>	2.3 <sup>73F</sup>	
08	05	74	1530	0124	3.0	19.3 <sup>61F</sup>	155.	273. <sup>41F</sup>	8.2	8.0 <sup>01F</sup>	5.0 <sup>73F</sup>	
11	06	74	1035	0124	16.9	20.7	205.	225.	8.2	8.1	3.3	30.
01	08	74	1620	0124	20.5	23.1		239.		8.3	2.8	5.
10	09	74	1650	0124	14.5	16.5		263.		8.4	7.3	20.
29	10	74	1040	0124	.8	21.0		257.		8.1	36.	50.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
12	02	74	1315	0124						0. <sup>51F</sup>	121. <sup>01F</sup>
08	03	74	1430	0124						0.	122. <sup>01F</sup>
25	04	74	1210	0124						0.	123. <sup>01F</sup>
08	05	74	1530	0124		4.	L1.			0. <sup>51F</sup>	108. <sup>01F</sup>
11	06	74	1035	0124		8.	6.	0.	122.	.0	100.
01	08	74	1620	0124				0.	118.	.0	97.
10	09	74	1650	0124				0.	117.	.0	96.
29	10	74	1040	0124		55.	45.	0.	123.	.0	101.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
12	02	74	1315	0124	52.5 <sup>01F</sup>			158. <sup>03F</sup>	5.9	1.7	2.5
08	03	74	1430	0124	49.0 <sup>01F</sup>			154. <sup>03F</sup>	6.1	1.7	2.5 <sup>06L</sup>
25	04	74	1210	0124	54.0 <sup>01F</sup>			159. <sup>03F</sup>	6.0	1.6	2.5 <sup>06L</sup>
08	05	74	1530	0124	47. <sup>01F</sup>			152. <sup>03F</sup>	5.8	2.0	3.4 <sup>06L</sup>
11	06	74	1035	0124	40.0		8.0	133.	5.0	1.4	2.5 <sup>06L</sup>
01	08	74	1620	0124	37.		6.5	119.	4.8	1.5	2.2 <sup>06L</sup>
10	09	74	1650	0124	28.		12.2	120.	4.5	1.3	2.4 <sup>06L</sup>
29	10	74	1040	0124	51.		1.4	133.	4.8	1.6	2.7 <sup>06L</sup>



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07UC0001** LAT. **60 D 56 M 30 S** LONG. **117 D 25 M 0 S**

UTM **11 477000E 6756000N**

KAKISA RIVER AT OUTLET OF KAKISA LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
12	02	74	1315	0124	.14	35.0 <sup>04L</sup>	5.3		20.0	13.0
08	03	74	1430	0124	.09	38.0 <sup>04L</sup>	5.5		23.0	12.0
25	04	74	1210	0124	.08	39.0 <sup>04L</sup>	5.0		22.0	11.0
08	05	74	1530	0124	.09	42. <sup>04L</sup>	5.4		25.	20.
11	06	74	1035	0124	.07	34.0 <sup>04L</sup>	3.8	155.	22.0	17.0
01	08	74	1620	0124	.06	27. <sup>06L</sup>	4.2	141.	18.	12.
10	09	74	1650	0124	L.05	33. <sup>06L</sup>	4.3	143.	19.	12.
29	10	74	1040	0124	.08	32. <sup>06L</sup>	4.7	159.	16.	15.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
12	02	74	1315	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	.003 <sup>55F</sup>	.007 <sup>13F</sup>	.5 <sup>01L</sup>	.040 <sup>06F</sup>	
08	03	74	1430	0124	.004 <sup>13F</sup>		.004 <sup>63F</sup>	.004 <sup>55F</sup>	.010 <sup>13F</sup>	L.5	.050 <sup>06F</sup>	
25	04	74	1210	0124	.009 <sup>13F</sup>		.009 <sup>63F</sup>	L.002 <sup>55F</sup>	.015 <sup>13F</sup>	.7 <sup>01L</sup>	L.001 <sup>06F</sup>	
08	05	74	1530	0124	.020 <sup>13F</sup>		.005 <sup>63F</sup>	.003 <sup>55F</sup>	.028 <sup>13F</sup>	1.0 <sup>01L</sup>	L.01 <sup>06F</sup>	
11	06	74	1035	0124	.013		.006	.003	.022	.5	.010	.51
01	08	74	1620	0124	L.003		L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.008 <sup>06L</sup>	.4	.07	.47
10	09	74	1650	0124	L.005		L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.012 <sup>06L</sup>		L.01	
29	10	74	1040	0124	.034 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.048 <sup>06L</sup>		.04	

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
12	02	74	1315	0124	.004		L.05	L.010	.01	L.05	.002	.004
08	03	74	1430	0124	.003		L.05	L.010	.01	.10	L.001	.004
25	04	74	1210	0124	L.001		L.05	L.010	.02	.11	L.001	.006
08	05	74	1530	0124	L.004		L.05	L.015	.067	.33	L.002	L.002
11	06	74	1035	0124	L.001		L.05	L.010	.02	.17	.004	.003
01	08	74	1620	0124	L.004		L.05	L.015	.001	.16	L.002	.002
10	09	74	1650	0124	.004		L.05	L.015	.014	.23	.003	.008
29	10	74	1040	0124	L.004		L.05	L.015	.040	.93	.003	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW07UC0001** LAT. **60 D 56 M 30 S** LONG. **117D 25 M 0 S**

UTM **11 477000E 6756000N**

KAKISA RIVER AT OUTLET OF KAKISA LAKE,  
NORTHWEST TERRITORIES

		29305P		30305P		33103L		38301P		42301P		48302P		56301P		80311P	
		COPPER		ZINC		ARSENIC		STRONTIUM		MOLYBDENUM		CADMIUM		BARIUM		MERCURY	
SAMPLE DATE		EXTRBLE.		EXTRBLE.		DISSOLVED		EXTRBLE.		EXTRBLE.		EXTRBLE.		EXTRBLE.		EXTRBLE.	
		CU		ZN		AS		SR		MO		CD		BA		HG	
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L	
12	02	74	1315	0124	.001	.002			.07	L.05		L.001				.18	
08	03	74	1430	0124	.001	.003			.10	L.05		.002				.06	
25	04	74	1210	0124	L.001	L.001	L.001	04L	.10	L.05	01L	L.001					
08	05	74	1530	0124	.001	.006	L.001	04L	.07	L.10		L.001				L.03	
11	06	74	1035	0124	.001	.001	L.001	04L	.10	L.05		.001				L.05	
01	08	74	1620	0124	.002	.12			.15	L.10		L.001				.14	
10	09	74	1650	0124	.003	.010	.001	04L	.15	L.10		.003				L.05	
29	10	74	1040	0124	.002	.009	L.001	04L	.07	L.10		.002				L.05	

		05105L		03301P		06604P	
		BORON		LITHIUM		CYANIDE	
SAMPLE DATE		DISSOLVED		EXTRBLE.		DISSOLVED	
		B		LI		CN	
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L
12	02	74	1315	0124	.08	.006	
08	03	74	1430	0124	.08	.007	
25	04	74	1210	0124	.06	.008	
08	05	74	1530	0124	.10	.005	
11	06	74	1035	0124	.08	.005	
01	08	74	1620	0124	.08	L.005	
10	09	74	1650	0124	.07	L.005	
29	10	74	1040	0124	.05	.006	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10EA0003** LAT. **61 D 57 M 0 S** LONG. **128 D 13 M 0 S**

UTM **09 541000E 6869000N**

SARDINE CREEK AT CULVERT AT ROAD TO  
WATSON LAKE, CANADA TUNGSTEN MINE SITE

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST						DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	ID	SUBM								

20	02	74	1245	0001		.0	18.8		405.		7.7	.7	L5.
16	05	74	1200	0001		3.0	17.2		146.		7.8	110.	110.

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST						O2			CO3	HCO3	CACO3	CACO3
D	M	Y	HR	ID	SUBM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

20	02	74	1245	0001					0.	207.	0.	170.
16	05	74	1200	0001					0.	80.	0.	66.0

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST						CA	MG	MG	CACO3	NA	K	CL
D	M	Y	HR	ID	SUBM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

20	02	74	1245	0001		64.0		12.9	213.	1.5	.9	3.4
16	05	74	1200	0001		29.0		2.1	81.0	.5	.8	.8 <sup>06L</sup>

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST						F	SO4	SIO2	(CALCD.)	C	C
D	M	Y	HR	ID	SUBM	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

20	02	74	1245	0001			35.0 <sup>04L</sup>	6.6	226.		
16	05	74	1200	0001			10.0 <sup>04L</sup>				

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10EA0004** LAT. **61 D 32 M 0 S** LONG. **125 D 24 M 21 S** UTM **10 372100E 6824300N**

FLAT RIVER NEAR MOUTH,  
NORTHWEST TERRITORIES

02061S	02061L	02041S	02041L	10301S	10301L	02073L	02011L
<b>TEMP.</b>	<b>TEMP.</b>	<b>SPECIFIC</b>	<b>SPECIFIC</b>	<b>PH</b>	<b>PH</b>	<b>TURBIDITY</b>	<b>COLOUR</b>
<b>WATER</b>	<b>WATER</b>	<b>CONDUCT.</b>	<b>CONDUCT.</b>				<b>APPARENT</b>

**SAMPLE DATE**

<b>SAMPLE DATE</b>					<b>DEG. C.</b>	<b>DEG. C.</b>	<b>USIE/CM</b>	<b>USIE/CM</b>	<b>PH UNITS</b>	<b>PH UNITS</b>	<b>JTU</b>	<b>REL. UNITS</b>
<b>D</b>	<b>M</b>	<b>Y</b>	<b>HR</b>	<b>ID</b>								
29	03	74	1300	0001		17.6		400.		7.9	.5	L5.
24	04	74	1300	0001	.5	17.1		374.		8.0	5.0	5.

08301L	10401L	10501L	06301L	06201L	10151L	10101L
<b>OXYGEN</b>	<b>RESIDUE</b>	<b>RESIDUE</b>	<b>CARBONATE</b>	<b>BICARBONT.</b>	<b>ALKALINITY</b>	<b>ALKALINITY</b>
<b>TOTAL COD</b>	<b>NONFILTR.</b>	<b>FIXED</b>	<b>(CALCD.)</b>	<b>(CALCD.)</b>	<b>PHENOL</b>	<b>TOTAL</b>
		<b>NONFILTR.</b>			<b>PTHALEIN</b>	

**SAMPLE DATE**

<b>SAMPLE DATE</b>					<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>
<b>D</b>	<b>M</b>	<b>Y</b>	<b>HR</b>	<b>ID</b>	<b>O2</b>		<b>CO3</b>	<b>HCO3</b>	<b>CACO3</b>	<b>CACO3</b>	
					<b>MG/L</b>		<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>
29	03	74	1300	0001			0.	208.	0.	171.	
24	04	74	1300	0001		17.	0.	183.	.0	150.	

20101L	12102L	12101L	10603L	11103L	19103L	17203L
<b>CALCIUM</b>	<b>MAGNESIUM</b>	<b>MAGNESIUM</b>	<b>HARDNESS</b>	<b>SODIUM</b>	<b>POTASSIUM</b>	<b>CHLORIDE</b>
<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>TOTAL</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>
		<b>(CALCD.)</b>				

**SAMPLE DATE**

<b>SAMPLE DATE</b>					<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>
<b>D</b>	<b>M</b>	<b>Y</b>	<b>HR</b>	<b>ID</b>	<b>CA</b>	<b>MG</b>	<b>MG</b>	<b>CACO3</b>	<b>NA</b>	<b>K</b>	<b>CL</b>
					<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>
29	03	74	1300	0001	62.0		13.6	211.	1.6	.9	1.3
24	04	74	1300	0001	59.0		11.3	194.	1.5	.9	.3

09105L	16303L	14102L	00201L	06051L	06001L
<b>FLUORIDE</b>	<b>SULPHATE</b>	<b>SILICA</b>	<b>TOTAL</b>	<b>CARBON</b>	<b>CARBON</b>
<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>REACTIVE</b>	<b>DISSOLVED</b>	<b>TOTAL</b>	<b>TOTAL</b>
			<b>SOLIDS</b>	<b>INORGANIC</b>	<b>ORGANIC</b>

**SAMPLE DATE**

<b>SAMPLE DATE</b>					<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>(CALCD.)</b>	<b>MG/L</b>	<b>MG/L</b>
<b>D</b>	<b>M</b>	<b>Y</b>	<b>HR</b>	<b>ID</b>	<b>F</b>	<b>SO4</b>	<b>SIO2</b>		<b>C</b>	<b>C</b>
					<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>	<b>MG/L</b>
29	03	74	1300	0001		36.0				
24	04	74	1300	0001		42.0				

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10EB0001** LAT. **61 D 38 M 0 S** LONG. **125 D 48 M 0 S** UTM **10 351600E 6836300N**

SOUTH NAHANNI RIVER ABOVE VIRGINIA  
FALLS, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
22	01	74	1300	0001	.0	22.9		312.		7.8	20.0	L5.
20	02	74	1310	0001	.0	18.3		356.		7.8	.8	L5.
28	03	74	1300	0001	.0	17.9		363.		7.9	.7	L5.
23	04	74	1300	0001	.5	17.6		350.		7.9	2.7	5.
16	05	74	1200	0001	2.0	18.0		243.		8.2	50.0	40.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
22	01	74	1300	0001		27.	25.	0.	143.	0.	117.
20	02	74	1310	0001				0.	171.	0.	140.
28	03	74	1300	0001				0.	174.	0.	143.
23	04	74	1300	0001				0.	165.	.0	135.
16	05	74	1200	0001		54.	48.	0.	113.	0.	93.0

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
22	01	74	1300	0001	40.0		13.1	154.	1.4	1.0	.5
20	02	74	1310	0001	50.0		14.1	183.	1.7	.8	.5
28	03	74	1300	0001	49.0		16.7	191.	1.4	.8	1.5 06L
23	04	74	1300	0001	49.0		14.0	180.	1.4	.8	1.0 06L
16	05	74	1200	0001	37.0		6.9	121.	.9	.7	.6 06L

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	MG/L	C MG/L	C MG/L
22	01	74	1300	0001		44.0 04L	5.5	176.		
20	02	74	1310	0001		40.0 04L	5.8	197.		
28	03	74	1300	0001		42.0 04L				
23	04	74	1300	0001		44.0 04L				
16	05	74	1200	0001		27.0 04L				

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10EC0001** LAT. **61 D 15 M 0 S** LONG. **124 D 2 M 0 S** UTM **10 444000E 6791000N**

SOUTH NAHANNI RIVER ABOVE CLAUSEN  
CREEK, NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	ID	SUBM	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
21	02	74	1445	0001		.0	18.9		401.		8.0	2.5	L5.

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	ID	SUBM	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
21	02	74	1445	0001							0.	

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	ID	SUBM	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
21	02	74	1445	0001						1.7	.8	1.6

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	ID	SUBM	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
21	02	74	1445	0001			44.0 <sup>04L</sup>	5.7			

SAMPLE DATE						15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	ID	SUBM	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
21	02	74	1445	0001				L.001	L.002				

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0001** LAT. **60 D 14 M 35 S** LONG. **123D 28 M 45 S**

UTM **10 473400E 6678400N**

LIARD RIVER AT FORT LIARD,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS	
10	01	74	1300	0001	1.0	12.8		379.		7.7	7.0	15.	
27	02	74	1300	0001	.0	18.6		443.		7.6	2.7	25.	
29	03	74	1300	0001	.0	18.3		401.		7.8	.6	5.	

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
10	01	74	1300	0001		4.	2.	0.	189.	0.	0.	155.
27	02	74	1300	0001				0.	217.	0.	0.	178.
29	03	74	1300	0001				0.	205.	0.	0.	168.

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	
10	01	74	1300	0001	52.0		14.4	189.	6.3	.9	1.5	
27	02	74	1300	0001	61.0		17.2	223.	8.2	1.0	2.2 <sup>06L</sup>	
29	03	74	1300	0001	56.0		16.6	208.	3.2	.7	1.8 <sup>06L</sup>	

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	MG/L	MG/L	C MG/L	C MG/L
10	01	74	1300	0001		42.0 <sup>04L</sup>	5.6	216.			
27	02	74	1300	0001		45.0 <sup>04L</sup>					
29	03	74	1300	0001		31.0 <sup>04L</sup>					

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED002** LAT. **61 D 44 M 24 S** LONG. **121 D 13 M 11 S** UTM **10 594050E 6846300N**

LIARD RIVER ABOVE FORT SIMPSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
27	02	74	1805	0124	.3	16.3 <sup>61F</sup>	210.	345. <sup>41F</sup>	7.3	7.7 <sup>01F</sup>	39.0 <sup>73F</sup>	
29	03	74	1400	0124	.3	21.3 <sup>61F</sup>	270.	380. <sup>41F</sup>	7.9	8.0 <sup>01F</sup>	11.0 <sup>73F</sup>	
15	05	74	1320	0124	5.0	18.3 <sup>61F</sup>	120.	147. <sup>41F</sup>	8.0	7.7 <sup>01F</sup>	175. <sup>73F</sup>	
25	06	74	1630	0124	15.0	21.0		187.	7.5	7.9	150.	
24	07	74	0920	0124	17.0	22.8		218.	7.6	7.7	300.	10.
10	09	74	1925	0124	11.0	16.1		282.		8.2	42.	10.
11	10	74	1300	0001	.0	22.5		299.		8.1	17.	20.
29	10	74	1330	0124	2.0	21.1		269.		8.2	24.	20.
05	08	75	0914	0001		20.1		226.		8.1	110.	10.
15	10	75	1300	0001		22.9		276.		8.0	9.7	20.
22	02	76	1300	0001		22.8		353.		8.1	1.6	60.
21	05	76	1500	0001	10.5	24.2		181.		7.7	33.	60.
30	07	76	1540	0001	15.	23.7		200.		7.4	150.	G100.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
27	02	74	1805	0124		38.	28.			0. <sup>51F</sup>	178. <sup>01F</sup>
29	03	74	1400	0124		17.	11.			0.	175. <sup>01F</sup>
15	05	74	1320	0124		1158.	1066.	0.	77.	0.	63.0
25	06	74	1630	0124				0.	91.	0.	75.0
24	07	74	0920	0124				0.	105.	0.	86.
10	09	74	1925	0124				0.	134.	.0	110.
11	10	74	1300	0001				0.	154.	.0	126.
29	10	74	1330	0124		47.	39.	0.	135.	.0	111.
05	08	75	0914	0001	11.						91.8
15	10	75	1300	0001	L10.						182.
22	02	76	1300	0001	L10.						167.
21	05	76	1500	0001	59. <sup>01P</sup>	334.					65.0
30	07	76	1540	0001	38.						92.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	02	74	1805	0124	55.0 <sup>01F</sup>			200. <sup>03F</sup>	4.8	.8	5.0 <sup>06L</sup>
29	03	74	1400	0124	58.0 <sup>01F</sup>			209. <sup>03F</sup>	4.7	.8	3.2 <sup>06L</sup>
15	05	74	1320	0124	31.0		2.8	89.0	1.9	1.3	1.3 <sup>06L</sup>
25	06	74	1630	0124	27.0		6.5	94.0	1.5	.5	.7 <sup>06L</sup>
24	07	74	0920	0124	34.		8.8	121.	1.7	.7	.9 <sup>06L</sup>
10	09	74	1925	0124	38.		10.5	138.	2.2	.6	.5 <sup>06L</sup>



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0002** LAT. **61 D 44 M 24 S** LONG. **121 D 13 M 11 S** UTM **10 594050E 6846300N**

LIARD RIVER ABOVE FORT SIMPSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
11	10	74	1300	0001	43.		12.8	160.	2.9	.6	1.0 <sup>06L</sup>
29	10	74	1330	0124	54.		1.5	141.	2.6	.6	1.6 <sup>06L</sup>
05	08	75	0914	0001	38.0		5.6	118.	2.0	.8	.9
15	10	75	1300	0001	42.2		10.6	149.	2.8	.8	1.1
22	02	76	1300	0001	57.8		10.4	187.	3.7	.9	2.2
21	05	76	1500	0001	28.8		.9	75.8	1.4	.7	.8
30	07	76	1540	0001	35.		5.5	110.	2.0	1.7	2.6

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
27	02	74	1805	0124	.08	41.0 <sup>04L</sup>	6.6		33.0	4.0
29	03	74	1400	0124	.11	40.0 <sup>04L</sup>	6.6		37.0	5.0
15	05	74	1320	0124	.07	21.0 <sup>04L</sup>	3.7	101.	16.0	23.0
25	06	74	1630	0124	.05	15.0 <sup>04L</sup>	4.0	100.	17.0	8.0
24	07	74	0920	0124	.09	23. <sup>06L</sup>	4.5	125.	13.	6.
10	09	74	1925	0124	L.05	32. <sup>06L</sup>	5.1	155.	21.	6.
11	10	74	1300	0001	.08	31. <sup>06L</sup>	5.6	172.		
29	10	74	1330	0124	.07	28. <sup>06L</sup>	5.7	161.	20.	5.
05	08	75	0914	0001	.08 <sup>06L</sup>	25. <sup>06L</sup>	5.3	133.		
15	10	75	1300	0001	.08 <sup>06L</sup>	24. <sup>06L</sup>	4.7	195.		
22	02	76	1300	0001	.11 <sup>06L</sup>	37. <sup>06L</sup>	6.5	219.		
21	05	76	1500	0001	.07 <sup>06L</sup>	26. <sup>06L</sup>	4.1	102.		
30	07	76	1540	0001	.12 <sup>06L</sup>	23.8 <sup>06L</sup>	4.9	131.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
27	02	74	1805	0124	.046 <sup>13F</sup>		.046 <sup>63F</sup>	.017 <sup>55F</sup>	.076 <sup>13F</sup>		.140 <sup>06F</sup>	
29	03	74	1400	0124	.015 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.025 <sup>13F</sup>	L.5 <sup>01L</sup>	.150 <sup>06F</sup>	
15	05	74	1320	0124	.52 <sup>13F</sup>		.010 <sup>63F</sup>	.006 <sup>55F</sup>	.570 <sup>13F</sup>	2.3	.020 <sup>06F</sup>	
24	07	74	0920	0124	.43	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.43 <sup>06L</sup>	2.0	.10	2.10
10	09	74	1925	0124	.015	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.017 <sup>06L</sup>		.03	
11	10	74	1300	0001					.017 <sup>06L</sup>	.4	.04	.44
29	10	74	1330	0124	.033 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.033 <sup>06L</sup>	.2	.13	.33
05	08	75	0914	0001					.029 <sup>11L</sup>	L.5	.040	Q.54
15	10	75	1300	0001					.006 <sup>11L</sup>	L.5	.417	Q.92
22	02	76	1300	0001					.015	.7	.85	1.56
21	05	76	1500	0001					.02	L.5	.035	Q.54

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0002** LAT. **61 D 44 M 24 S** LONG. **121 D 13 M 11 S**

UTM **10 594050E 6846300N**

LIARD RIVER ABOVE FORT SIMPSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
30	07	76	1540	0001					.114	L.1	.015	Q.12
SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
27	02	74	1805	0124	.006		L.05	L.010	.11	2.50	.007	.014
29	03	74	1400	0124	.003		L.05	L.010	.08	.70	.001	.003
15	05	74	1320	0124	.007		L.05	L.010	.38	15.0	.006	.023
25	06	74	1630	0124	.005		L.05	L.010	.21	4.70	.005	.015
24	07	74	0920	0124	.013		L.05	L.010	.47	14.8	.008	.027
10	09	74	1925	0124	.005		L.05	L.015	.035	.67	L.002	.007
11	10	74	1300	0001	.005	.15 <sup>05P</sup>		L.015	.020	.40	.002	.003
29	10	74	1330	0124	L.004		L.05	L.015	.032	.74	.003	.008
05	08	75	0914	0001	L.005	1.2		L.01	.139	3.50	L.001	.011
15	10	75	1300	0001	L.005	L.1		L.01	.21	.40	L.001	L.005
22	02	76	1300	0001	L.005	L.1			L.01	.06	L.001	L.005
21	05	76	1500	0001	L.005	.68			.09	2.2	L.001	L.005
30	07	76	1540	0001	L.005	2.5		L.01	.14	5.0	.005	.015
SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
27	02	74	1805	0124	.003	.008		.25	.13	.003		L.05
29	03	74	1400	0124	L.001	.004		.24	L.05	.001		L.05
15	05	74	1320	0124	.019	.039	L.001 <sup>04L</sup>	.09	L.05	.002		.05
25	06	74	1630	0124	.010	.036	.001 <sup>04L</sup>	.14	L.05	.002		L.05
24	07	74	0920	0124	.024	.061	L.001 <sup>04L</sup>	.20	L.015	.001		L.05
10	09	74	1925	0124	.001	.009	.001 <sup>04L</sup>	.12	L.10	.003		L.05
11	10	74	1300	0001	.004	.27 <sup>04P</sup>		.12	L.10	.003	.1	
29	10	74	1330	0124	.002	.007	L.001 <sup>04L</sup>	.13	L.10	.002		L.05
05	08	75	0914	0001	.006	.028			L.05	L.001	.2	
15	10	75	1300	0001	.005	.004			L.05	L.001	L.1	
22	02	76	1300	0001	.018	.038				L.001	L.1	
21	05	76	1500	0001	.006	.008				L.001	L.1	
30	07	76	1540	0001	.024	.044			L.05	L.001	.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0002** LAT. **61 D 44 M 24 S** LONG. **121 D 13 M 11 S**

UTM **10 594050E 6846300N**

LIARD RIVER ABOVE FORT SIMPSON,  
NORTHWEST TERRITORIES

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
CST				SUBM	B	LI	CN	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	
27	02	74	1805	0124	.07	.008		
29	03	74	1400	0124	.07	.007		
15	05	74	1320	0124	.15	.014		
25	06	74	1630	0124		.006		
24	07	74	0920	0124	.22	.009		
10	09	74	1925	0124	.03	.005		
29	10	74	1330	0124	.04	L.005		

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10ED0004** LAT. **61D 2M 30S** LONG. **123D 24M 0S**

UTM **10 478400E 6767300N**

SOUTH NAHANNI RIVER AT NAHANNI BUTTE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
28	02	74	1145	0124	.3	14.0 <sup>61F</sup>	290.	340. <sup>41F</sup>	7.3	7.7 <sup>01F</sup>	1.8 <sup>73F</sup>	
26	03	74	1215	0124	.3	19.4 <sup>61F</sup>	290.	385. <sup>41F</sup>	7.7	8.1 <sup>01F</sup>	1.0 <sup>73F</sup>	
15	05	74	1045	0124	4.0	18.4 <sup>61F</sup>	135.	180. <sup>41F</sup>	8.1	7.8 <sup>01F</sup>	120. <sup>73F</sup>	
26	06	74	1100	0124	12.0	21.1		198.	8.2	8.1	110.	
24	07	74	1200	0124	16.5	22.7		216.	8.0	7.8	50.	5.
11	09	74	1300	0124	13.5	17.1		307.		8.2	24.	10.
29	10	74	1700	0124	1.0	20.6		373.		8.2	2.5	15.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
28	02	74	1145	0124						0.	173. <sup>01F</sup>
26	03	74	1215	0124						0. <sup>51F</sup>	170. <sup>01F</sup>
15	05	74	1045	0124		345.	306.			0. <sup>51F</sup>	78.0 <sup>01F</sup>
26	06	74	1100	0124				0.	100.	0.	82.0
24	07	74	1200	0124				0.	101.	0.	83.
11	09	74	1300	0124				0.	146.	.0	120.
29	10	74	1700	0124				0.	174.	.0	143.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
28	02	74	1145	0124	62.0 <sup>01F</sup>			201. <sup>03F</sup>	5.0	.9	7.3 <sup>06L</sup>
26	03	74	1215	0124	70.0 <sup>01F</sup>			219. <sup>03F</sup>	6.0	1.0	8.0 <sup>06L</sup>
15	05	74	1045	0124	31.0 <sup>01F</sup>			106. <sup>03F</sup>	1.7	.8	2.6 <sup>06L</sup>
26	06	74	1100	0124	30.0		5.8	99.0	1.1	.5	.8 <sup>06L</sup>
24	07	74	1200	0124	32.		12.2	130.	1.3	.6	1.0 <sup>06L</sup>
11	09	74	1300	0124	44.		11.4	157.	2.2	.6	1.3 <sup>06L</sup>
29	10	74	1700	0124	54.		14.1	193.	4.0	.8	4.2 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED004** LAT. **61 D 2 M 30 S** LONG. **123 D 24 M 0 S**

UTM **10 478400E 6767300N**

SOUTH NAHANNI RIVER AT NAHANNI BUTTE,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST				SUBM	F	SO4	SIO2	(CALCD.)	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	02	74	1145	0124	.08	50.0 <sup>04L</sup>	5.6		21.0	1.0
26	03	74	1215	0124	.10	51.0 <sup>04L</sup>	5.5		36.0	3.0
15	05	74	1045	0124	.07	23.0 <sup>04L</sup>	3.4		22.	18.0
26	06	74	1100	0124	.06	18.0 <sup>04L</sup>	3.4	109.	19.	5.
24	07	74	1200	0124	.07	23. <sup>06L</sup>	3.8	124.	19.	2.
11	09	74	1300	0124	L.05	41. <sup>06L</sup>	5.0	178.	24.	5.
29	10	74	1700	0124	.10	45. <sup>06L</sup>	5.3	213.	24.	4.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST				SUBM	P	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	02	74	1145	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>		.130 <sup>06F</sup>	
26	03	74	1215	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.130 <sup>06F</sup>	
15	05	74	1045	0124	.18 <sup>13F</sup>		.004 <sup>63F</sup>	.004 <sup>55F</sup>	.200 <sup>13F</sup>	2.8	.030 <sup>06F</sup>	
26	06	74	1100	0124						.7		
24	07	74	1200	0124	.060	.005 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.15 <sup>06L</sup>	.4	.05	.45
11	09	74	1300	0124	.003	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.003 <sup>06L</sup>		.07	
29	10	74	1700	0124	.003 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.003 <sup>06L</sup>	.2	.09	.29

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	02	74	1145	0124	.004		L.05	L.010	.03	.10	.004	.005
26	03	74	1215	0124	.002			L.010	.03	.17	L.001	.003
15	05	74	1045	0124	.005		L.05	L.010	.10	4.10	L.001	.014
26	06	74	1100	0124	L.001		L.05	L.010	.08	2.00	.003	.010
24	07	74	1200	0124	L.004		L.05	L.015	.042	1.33	L.002	.013
11	09	74	1300	0124	.005		L.05	L.015	.020	.37	.003	.008
29	10	74	1700	0124	L.004		L.05	L.015	.010	.08	.002	.009

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0004** LAT. **61 D 2 M 30 S** LONG. **123 D 24 M 0 S**

UTM **10 478400E 6767300N**

SOUTH NAHANNI RIVER AT NAHANNI BUTTE,  
NORTHWEST TERRITORIES

						29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P
						COPPER	ZINC	ARSENIC	STRONTIUM	MOLYBDENUM	CADMIUM	BARIUM	MERCURY
						EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.
SAMPLE DATE													
		CST		SUBM		CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
28	02	74	1145	0124		L.001	.005		.29	L.05	.001		L.05
26	03	74	1215	0124		L.001	.004		.33	L.05	.001		L.05
15	05	74	1045	0124		.007	.025	L.001 04L	.12	L.05	.002		.07
26	06	74	1100	0124		.003	.028	L.001 04L	.15	L.05	.002		L.05
24	07	74	1200	0124		.002	.021	.001 04L	.20	L.10	.001		L.05
11	09	74	1300	0124		L.001	.007	.001 04L	.16	L.10	.003		L.05
29	10	74	1700	0124		.001	.007	.001 04L	.18	L.10	.001		L.05

						05105L	03301P	06604P
						BORON	LITHIUM	CYANIDE
						DISSOLVED	EXTRBLE.	DISSOLVED
SAMPLE DATE								
		CST		SUBM		B	LI	CN
D	M	Y	HR	ID		MG/L	MG/L	MG/L
28	02	74	1145	0124		.05	.010	
26	03	74	1215	0124		.06	.010	
15	05	74	1045	0124		.10	.007	
26	06	74	1100	0124			L.005	
24	07	74	1200	0124		.02	L.005	
11	09	74	1300	0124		L.02	.005	
29	10	74	1700	0124		.02	.007	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED005** LAT. **60 D 19 M 0 S** LONG. **123 D 20 M 0 S**

UTM **10 482000E 6687000N**

LIARD RIVER ABOUT 8.5 MILES BELOW  
FORT LIARD, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
28	02	74	1050	0124	.3	14.5 <sup>61F</sup>	419.	305. <sup>41F</sup>	7.5	7.8 <sup>01F</sup>	1.0 <sup>73F</sup>	
26	03	74	1130	0124	.3	19.3 <sup>61F</sup>	255.	345. <sup>41F</sup>	7.4	7.8 <sup>01F</sup>	.8 <sup>73F</sup>	
15	05	74	1010	0124	6.0	18.7 <sup>61F</sup>		118. <sup>41F</sup>	8.1	7.7 <sup>01F</sup>	150. <sup>73F</sup>	
26	06	74	1000	0124	14.0	21.1		161.	8.0	8.0	120.	
24	07	74	1125	0124	17.5	22.7		223.	7.8	7.7	200.	80.
11	09	74	1145	0124	14.2	17.4		272.		8.1	32.	30.
29	10	74	1550	0124	2.0	20.6		251.		8.2	13.	10.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
28	02	74	1050	0124						0. <sup>51F</sup>	171. <sup>01F</sup>
26	03	74	1130	0124						0. <sup>51F</sup>	171. <sup>01F</sup>
15	05	74	1010	0124		664.	604.	0.	65.	0.	53.0
26	06	74	1000	0124				0.	84.	0.	69.0
24	07	74	1125	0124				0.	110.	0.	90.0
11	09	74	1145	0124				0.	133.	.0	109.
29	10	74	1550	0124				0.	137.	.0	112.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
28	02	74	1050	0124	61.0 <sup>01F</sup>			208. <sup>03F</sup>	3.3	.8	2.1 <sup>06L</sup>
26	03	74	1130	0124	64.0 <sup>01F</sup>			205. <sup>03F</sup>	3.6	.8	.9 <sup>06L</sup>
15	05	74	1010	0124	26.0		2.0	73.0	1.7	1.1	2.0 <sup>06L</sup>
26	06	74	1000	0124	26.0		5.1	86.0	1.0	.4	.6 <sup>06L</sup>
24	07	74	1125	0124	32.0		8.8	116.	2.0	.7	.6 <sup>06L</sup>
11	09	74	1145	0124	41.		6.9	131.	2.4	.6	.3 <sup>06L</sup>
29	10	74	1550	0124	39.		9.9	138.	2.3	.6	.4 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0005** LAT. **60 D 19 M 0 S** LONG. **123D 20 M 0 S** UTM **10 482000E 6687000N**

LIARD RIVER ABOUT 8.5 MILES BELOW  
FORT LIARD, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
28	02	74	1050	0124	.08	36.0 <sup>04L</sup>	6.6		30.0	3.0
26	03	74	1130	0124	.10	36.0 <sup>04L</sup>	6.6		37.0	4.0
15	05	74	1010	0124	L.05	16.0 <sup>04L</sup>	3.9	84.	14.0	34.0
26	06	74	1000	0124	L.05	12.0 <sup>04L</sup>	4.0	91.	16.0	7.0
24	07	74	1125	0124	.08	22. <sup>06L</sup>	4.8	125.	15.0	8.0
11	09	74	1145	0124	L.05	33. <sup>06L</sup>	5.4	155.	20.	7.
29	10	74	1550	0124	.08	27. <sup>06L</sup>	5.9	152.	21.	3.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
28	02	74	1050	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>		.140 <sup>06F</sup>	
26	03	74	1130	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.210 <sup>06F</sup>	
15	05	74	1010	0124	.27 <sup>13F</sup>		.008 <sup>63F</sup>	.006 <sup>55F</sup>	.450 <sup>13F</sup>	1.8	L.001 <sup>06F</sup>	
26	06	74	1000	0124						.8		
24	07	74	1125	0124	.32 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.350 <sup>06L</sup>	1.1	.140	1.24
11	09	74	1145	0124	.010	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.010 <sup>06L</sup>		.04	
29	10	74	1550	0124	.012 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.017 <sup>06L</sup>	.2	.08	.28

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
28	02	74	1050	0124	.005		L.05	L.010	.02	.08		
26	03	74	1130	0124	.004			L.010	L.01	.08	L.001	.003
15	05	74	1010	0124	.004		L.05	L.010	.18	6.70	.004	.014
26	06	74	1000	0124	.005		L.05	L.010	.20	3.90	.003	.011
24	07	74	1125	0124	.005		L.05	L.010	.27	6.90	.007	.015
11	09	74	1145	0124	.005		L.05	L.015	.034	.52	.003	.007
29	10	74	1550	0124	L.004		L.05	L.015	.017	.37	.002	.006



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10ED0005** LAT. **60 D 19 M 0 S** LONG. **123 D 20 M 0 S**

UTM **10 482000E 6687000N**

LIARD RIVER ABOUT 8.5 MILES BELOW  
FORT LIARD, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
28	02	74	1050	0124	L.001	.001		.22	L.05			L.05
26	03	74	1130	0124	L.001	.003		.22	L.05	.001		L.05
15	05	74	1010	0124	.010	.018	L.001 <sup>04L</sup>	.03	L.05	.001		L.05
26	06	74	1000	0124	.013	.029	L.001 <sup>04L</sup>	.13	L.05	L.001		L.05
24	07	74	1125	0124	.013	.050	L.001 <sup>04L</sup>	.20	L.05	.001		L.05
11	09	74	1145	0124	.001	.004	.001 <sup>04L</sup>	.12	L.10	.003		L.05
29	10	74	1550	0124	.002	.004	L.001 <sup>04L</sup>	.13	L.10	.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
28	02	74	1050	0124		.007	
26	03	74	1130	0124	.07	.006	
15	05	74	1010	0124	.16	.008	
26	06	74	1000	0124		L.005	
24	07	74	1125	0124	.03	.005	
11	09	74	1145	0124	.04	.005	
29	10	74	1550	0124	.03	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FA003** LAT. **61 D 8 M 0 S** LONG. **119 D 49 M 30 S**

UTM **11 347900E 6780700N**

TROUT RIVER AT FORT SIMPSON HWY,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S	02061L	02041S	02041L	10301S	10301L	02073L	02011L
CST					TEMP.	TEMP.	SPECIFIC	SPECIFIC	PH	PH	TURBIDITY	COLOUR
D	M	Y	HR	SUBM ID	WATER	WATER	CONDUCT.	CONDUCT.	PH UNITS	PH UNITS	JTU	APPARENT
					DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
28	02	74	1810	0124	.3	18.6 <sup>61F</sup>	582.	417. <sup>41F</sup>	7.3	7.7 <sup>01F</sup>	1.8 <sup>73F</sup>	
29	03	74	1900	0124	.3	21.1 <sup>61F</sup>	415.	463. <sup>41F</sup>	7.7	8.0 <sup>01F</sup>	.9 <sup>73F</sup>	
15	05	74	1920	0124	8.0	18.2 <sup>61F</sup>	100.	118. <sup>41F</sup>	8.3	7.7 <sup>01F</sup>	17.0 <sup>73F</sup>	
13	06	74	1245	0124	13.9	16.6		115.	7.9	7.9	2.2	30.
10	09	74	1845	0124	11.0	16.2		198.		8.2	.6	30.
29	10	74	1215	0124	.5	21.1		216.		8.0	.6	25.

SAMPLE DATE					08301L	10401L	10501L	06301L	06201L	10151L	10101L
CST					OXYGEN	RESIDUE	RESIDUE	CARBONATE	BICARBONAT.	ALKALINITY	ALKALINITY
D	M	Y	HR	SUBM ID	TOTAL COD	NONFILTR.	FIXED	(CALCD.)	(CALCD.)	PHENOL	TOTAL
					O2		NONFILTR.	CO3	HCO3	CACO3	CACO3
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	02	74	1810	0124						0.	206. <sup>01F</sup>
29	03	74	1900	0124						0.	215. <sup>01F</sup>
15	05	74	1920	0124						0. <sup>51F</sup>	59.0 <sup>01F</sup>
13	06	74	1245	0124				0.	77.	.0	63.0
10	09	74	1845	0124				0.	96.	.0	79.
29	10	74	1215	0124				0.	121.	.0	99.

SAMPLE DATE					20101L	12102L	12101L	10603L	11103L	19103L	17203L
CST					CALCIUM	MAGNESIUM	MAGNESIUM	HARDNESS	SODIUM	POTASSIUM	CHLORIDE
D	M	Y	HR	SUBM ID	DISSOLVED	DISSOLVED	DISSOLVED	TOTAL	DISSOLVED	DISSOLVED	DISSOLVED
					CA	MG	MG	CACO3	NA	K	CL
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	02	74	1810	0124	71.0 <sup>01F</sup>			231. <sup>03F</sup>	17.0	1.3	8.7 <sup>06L</sup>
29	03	74	1900	0124	78.0 <sup>01F</sup>			237. <sup>03F</sup>	19.0	1.4	8.7 <sup>06L</sup>
15	05	74	1920	0124	18.0 <sup>01F</sup>			74.0 <sup>03F</sup>	1.8	1.0	1.1 <sup>06L</sup>
13	06	74	1245	0124	25.0		2.6	73.0	2.0	.5	1.3 <sup>06L</sup>
10	09	74	1845	0124	27.		4.8	87.	2.5	.5	1.0 <sup>06L</sup>
29	10	74	1215	0124	44.		1.5	116.	4.0	.7	1.9 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FA0003** LAT. **61 D 8 M 0 S** LONG. **119 D 49 M 30 S**

UTM **11 347900E 6780700N**

TROUT RIVER AT FORT SIMPSON HWY,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	MG/L	C MG/L	C MG/L
28	02	74	1810	0124	.10	41.0 <sup>04L</sup>	7.1		37.0	9.0
29	03	74	1900	0124	.13	41.0 <sup>04L</sup>	7.3		47.0	11.0
15	05	74	1920	0124	L.05	10.0 <sup>04L</sup>	4.0		15.0	21.0
13	06	74	1245	0124	L.05	10.0 <sup>04L</sup>	3.6	83.	15.0	15.0
10	09	74	1845	0124	L.05	4.3 <sup>06L</sup>	3.5	91.	15.	13.
29	10	74	1215	0124	.05	9.1 <sup>06L</sup>	4.1	125.	20.	13.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
28	02	74	1810	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>		.300 <sup>06F</sup>	
29	03	74	1900	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.360 <sup>06F</sup>	
15	05	74	1920	0124	.028 <sup>13F</sup>		.006 <sup>63F</sup>	.004 <sup>55F</sup>	.046 <sup>13F</sup>	2.3	1.04 <sup>06F</sup>	
13	06	74	1245	0124	.005		.003	.003	.010	.6	.090	.69
10	09	74	1845	0124	L.003	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.008 <sup>06L</sup>		L.01	
29	10	74	1215	0124	.003 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.009 <sup>06L</sup>	.5	.03	.53

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
28	02	74	1810	0124	.005		L.05	L.010	L.01	.05	.004	.003
29	03	74	1900	0124	.006		L.05	L.010	L.01	.06	L.001	.004
15	05	74	1920	0124	L.001		L.05	L.010	.02	.49	L.001	.003
13	06	74	1245	0124	L.001		L.05	L.010	L.01	.15	.006	.003
10	09	74	1845	0124	.005		L.05	L.015	.020	.07	.004	.004
29	10	74	1215	0124	L.004		L.05	L.015	L.010	.04	.003	.007

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FA0003** LAT. **61 D 8 M 0 S** LONG. **119 D 49 M 30 S**

UTM **11 347900E 6780700N**

TROUT RIVER AT FORT SIMPSON HWY,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
28	02	74	1810	0124	.003	.003			.24	L.05		.08	
29	03	74	1900	0124	L.001	.004		.27	L.05	.002	L.1	.07	
15	05	74	1920	0124	.002	.002	L.001 <sup>04L</sup>	.02	L.05	.001		L.05	
13	06	74	1245	0124	L.001	.001	L.001 <sup>04L</sup>	.04	L.05	.001		L.05	
10	09	74	1845	0124	L.001	.010	L.001 <sup>04L</sup>	L.01	L.10	.003		L.05	
29	10	74	1215	0124	.002	.006	L.001 <sup>04L</sup>	.05	L.10	.002		L.05	

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L	
28	02	74	1810	0124	.14	.014		
29	03	74	1900	0124	.15	.012		
15	05	74	1920	0124	.10	L.005		
13	06	74	1245	0124	.06	L.005		
10	09	74	1845	0124	.05	.005		
29	10	74	1215	0124	.06	L.005		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FB0001** LAT. **61 D 15 M 0 S** LONG. **118 D 3 M 0 S**

UTM **11 444000E 6791000N**

MACKENZIE RIVER NEAR FORT PROVIDENCE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST					DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	SUBM ID								
12	02	74	1415	0124	.3	19.6 <sup>61F</sup>		200. <sup>41F</sup>	7.4	7.6 <sup>01F</sup>	2.8 <sup>73F</sup>	
08	03	74	1615	0124	.3	17.8 <sup>61F</sup>	365.	252. <sup>41F</sup>	7.6	8.0 <sup>01F</sup>	3.6 <sup>73F</sup>	
11	06	74	1150	0124	14.7	20.8		195.		8.1	6.4	20.
25	06	74	1110	0124	11.5	20.8	145.	235.	8.1	7.8	15.0	40.
01	08	74	1545	0124	18.0	23.3		248.		8.1	7.6	10.
10	09	74	1705	0124	13.5	16.1	135.	240.		8.3	4.2	5.
29	10	74	1100	0124	1.5	21.0	160.	218.		8.0	5.1	5.
30	10	74	1245	0001		22.5		253.		8.0	23.	45.
09	05	75	1310	0001		20.7		815.		7.7	7.8	60.
08	07	75	1220	0001		25.5		218.		7.7	4.1	20.
13	11	75	1420	0001		22.1		289.		7.8	7.5	30.
14	04	76	1225	0001	.0	20.5		228.		7.5	4.4	20.
03	06	76	1300	0001	8.0	22.5		219.		8.0	28.	70.
22	10	76	1005	0001	0.	19.8		223.		8.1	20.	40.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
12	02	74	1415	0124						0.	77.9 <sup>01F</sup>
08	03	74	1615	0124						0.	109. <sup>01F</sup>
11	06	74	1150	0124		2.	L1.	0.	99.	.0	81.0
25	06	74	1110	0124				0.	98.	0.	80.0
01	08	74	1545	0124				0.	112.	.0	92.0
10	09	74	1705	0124				0.	94.	.0	77.
29	10	74	1100	0124		7.	4.				
30	10	74	1245	0001				0.	121.	.0	99.
09	05	75	1310	0001				0.	80.	.0	66.0
08	07	75	1220	0001	9.						79.6
13	11	75	1420	0001	L10.						119.
14	04	76	1225	0001	30.						106.
03	06	76	1300	0001	28.	8.					90.
22	10	76	1005	0001	48.	28.					96.2

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FB0001** LAT. **61D 15M 0S** LONG. **118D 3M 0S**

UTM **11 444000E 6791000N**

MACKENZIE RIVER NEAR FORT PROVIDENCE,  
NORTHWEST TERRITORIES

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED	
CST						CA	MG	MG	CACO3	NA	K	CL	
D	M	Y	HR	SUBM ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
12	02	74	1415	0124		33.0	01F		103.	03F	7.8	1.2	7.5
08	03	74	1615	0124		45.0	01F		135.	03F	8.0	1.4	6.2
11	06	74	1150	0124		30.0		6.3	101.		7.8	1.0	7.7
25	06	74	1110	0124		28.0		7.8	102.		8.2	1.1	8.4
01	08	74	1545	0124		33.0		6.9	111.		6.3	1.3	5.8
10	09	74	1705	0124		28.		5.8	94.		7.3	1.0	6.8
29	10	74	1100	0124							7.3	1.1	7.0
30	10	74	1245	0001		37.		7.4	123.		5.7	1.4	3.5
09	05	75	1310	0001		26.9	03L	6.0			5.5	1.5	4.6
08	07	75	1220	0001		31.7		5.0	99.8		6.8	.8	7.2
13	11	75	1420	0001		46.7		7.9	149.		5.6	2.0	2.6
14	04	76	1225	0001		39.4		9.4	137.		6.1	1.7	3.8
03	06	76	1300	0001		35.		9.1	125.		6.0	1.2	2.2
22	10	76	1005	0001		37.1		4.9	113.		6.6	1.2	2.4

SAMPLE DATE						09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	
CST						F	SO4	SiO2	(CALCD.)	C	C	
D	M	Y	HR	SUBM ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
12	02	74	1415	0124		.13	22.0	04L	3.5		13.0	7.0
08	03	74	1615	0124		.09	32.0	04L	4.8		20.0	8.0
11	06	74	1150	0124		.07	24.0	04L	2.3	128.	19.0	6.0
25	06	74	1110	0124		.07	23.0	04L	3.3	128.	18.0	8.0
01	08	74	1545	0124		.06	25.	06L	3.3	137.	17.0	10.0
10	09	74	1705	0124		L.05	26.	06L	2.8	124.	15.	6.
29	10	74	1100	0124			24.	06L	3.2		14.	6.
30	10	74	1245	0001		.10	31.	06L	4.2	150.	17.	10.
09	05	75	1310	0001		L.05	21.	06L	3.0	108.	35.	L1.
08	07	75	1220	0001		.06	20.5	06L	3.5	123.		
13	11	75	1420	0001		.09	34.0	06L	5.4	176.		
14	04	76	1225	0001		.08	44.	06L	5.4	173.		
03	06	76	1300	0001		.08	23.	06L	4.2	135.		
22	10	76	1005	0001		.09	22.7	06L	5.1	138.		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FB0001** LAT. **61D 15M 0S** LONG. **118D 3M 0S**

UTM **11 444000E 6791000N**

MACKENZIE RIVER NEAR FORT PROVIDENCE,  
NORTHWEST TERRITORIES

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
12	02	74	1415	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	.005 <sup>55F</sup>	.007 <sup>13F</sup>	L.5 <sup>01L</sup>	.120 <sup>06F</sup>	
08	03	74	1615	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	.005 <sup>55F</sup>	.014 <sup>13F</sup>	L.5	.120 <sup>06F</sup>	
11	06	74	1150	0124	.006		L.001	L.002		L.5	.010	Q.51
25	06	74	1110	0124						1.0		
01	08	74	1545	0124	.005 <sup>01L</sup>	.005 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.015 <sup>06L</sup>	L.5	.260	Q.76
10	09	74	1705	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.055 <sup>06L</sup>		.01	
29	10	74	1100	0124	.007 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.015 <sup>06L</sup>	.3	.09	.39
30	10	74	1245	0001					.030 <sup>06L</sup>	.4	.04	.41
09	05	75	1310	0001					.024 <sup>06L</sup>	.6	.03	.63
08	07	75	1220	0001					.008 <sup>11L</sup>	L.5	L.01	Q.51
13	11	75	1420	0001					.016 <sup>11L</sup>	.7	.012	.66
14	04	76	1225	0001					.02	3.0	.075	3.10
03	06	76	1300	0001					.07	L.5	L.01	Q.51
22	10	76	1005	0001					.036	.9	L.01	Q.89

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
12	02	74	1415	0124	.005		L.05	L.010	L.01	L.05	.002	.004
08	03	74	1615	0124	.002		L.05	L.010	L.01	.11	L.001	.003
11	06	74	1150	0124	L.001		L.05	L.010	L.01	.15	.006	.003
25	06	74	1110	0124	.002		L.05	L.010	.02	.59	L.001	.008
01	08	74	1545	0124	L.001		L.05	L.010	.03	.63	L.001	.003
10	09	74	1705	0124	L.004		L.05	L.015	L.010	.08	.004	.006
29	10	74	1100	0124	.004		L.05	L.015	L.010	.15	.003	.006
30	10	74	1245	0001	L.004	.18 <sup>03L</sup>		L.015	.024	.63	L.002	.003
09	05	75	1310	0001	L.004	.10 <sup>05P</sup>		L.015	.050	.37	L.002	.006
08	07	75	1220	0001	L.005	.15		L.01	L.01	.37	L.001	L.005
13	11	75	1420	0001	L.005	.20		L.01	.07	.33	L.001	L.005
14	04	76	1225	0001	L.005 <sup>04P</sup>	L.1			.02	.18	L.001	L.005 <sup>01P</sup>
03	06	76	1300	0001	L.005	.10			.03	.53	L.001	L.005
22	10	76	1005	0001	L.005	.3		L.01	.03	.70	L.001	L.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10FB0001** LAT. **61 D 15 M 0 S** LONG. **118 D 3 M 0 S**

UTM **11 444000E 6791000N**

MACKENZIE RIVER NEAR FORT PROVIDENCE,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	ID	SUBM	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
12	02	74	1415	0124		.001	L.001		.11	L.05	L.001		L.05
08	03	74	1615	0124		.001	.004		.15	L.05	.001		L.05
11	06	74	1150	0124		.001	.001	L.001 <sup>04L</sup>	.14	L.05	.001		L.05
25	06	74	1110	0124		.002	.025	L.001 <sup>04L</sup>	.15	L.05	.002		L.05
01	08	74	1545	0124		.002	.069		.15	L.05	L.001		.09
10	09	74	1705	0124		.002	.008	.001 <sup>04L</sup>	.22	L.10	.003		L.05
29	10	74	1100	0124		.002	.004	L.001 <sup>04L</sup>	.11	L.10	.002		L.05
30	10	74	1245	0001		.003	.010		.08	L.10	L.001	L.1	
09	05	75	1310	0001		.004	.010		.10	L.10	.001	.1	
08	07	75	1220	0001		.003	.054			L.05	L.001	L.1	
13	11	75	1420	0001		.005	.075			.05	.039	L.1	
14	04	76	1225	0001		.006	L.001 <sup>04P</sup>				L.001	L.1	
03	06	76	1300	0001		.004	.003				L.001	L.1	
22	10	76	1005	0001		.004	.006			L.05	L.001	L.1	

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	ID	SUBM	B MG/L	LI MG/L	CN MG/L
12	02	74	1415	0124		.05	L.005	
08	03	74	1615	0124		.09	.005	
11	06	74	1150	0124		.04	L.005	
25	06	74	1110	0124			L.005	
01	08	74	1545	0124		.06	L.005	
10	09	74	1705	0124		.03	L.005	
29	10	74	1100	0124		.03	.006	



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10GB0002** LAT. **62 D 38 M 51 S** LONG. **122 D 54 M 15 S**

UTM **10 504900E 6946100N**

WILLOW LAKE RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST					DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	SUBM ID								
26	02	74	1100	0124	.3	17.3 <sup>61F</sup>	2185.	1690. <sup>41F</sup>	7.4	7.5 <sup>01F</sup>	3.5 <sup>73F</sup>	
27	03	74	1135	0124	.3	21.5 <sup>61F</sup>	1860.	1820. <sup>41F</sup>	7.6	7.8 <sup>01F</sup>	2.1 <sup>73F</sup>	
15	05	74	1215	0124	.5	19.4 <sup>61F</sup>	105.	116. <sup>41F</sup>	7.6	7.4 <sup>01F</sup>	73.0 <sup>73F</sup>	
26	06	74	1615	0124	17.5	21.6		216.	8.3	7.8	12.0	60.
24	07	74	1430	0124	20.0	22.6		364.	7.8	7.8	200.	40.
11	09	74	1430	0124	16.0	17.8		447.		8.1	3.2	60.
30	10	74	1150	0124	.3	20.7		590.		8.0	1.8	40.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST					O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	SUBM ID							
26	02	74	1100	0124		7.	2.			0. <sup>51F</sup>	126. <sup>01F</sup>
27	03	74	1135	0124						0.	127. <sup>01F</sup>
15	05	74	1215	0124		275.	238.	0.	51.	0.	42.0
26	06	74	1615	0124				0.	83.	0.	68.0
24	07	74	1430	0124		194.	164.	0.	105.	0.	86.
11	09	74	1430	0124				0.	110.	.0	90.
30	10	74	1150	0124				0.	123.	.0	101.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST					CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	SUBM ID							
26	02	74	1100	0124	68.0 <sup>01F</sup>				310.	3.0	490. <sup>06L</sup>
27	03	74	1135	0124	70.0 <sup>01F</sup>			225. <sup>03F</sup>	316.	3.0	480. <sup>06L</sup>
15	05	74	1215	0124	19.0		1.8	55.0	7.6	1.3	10.0 <sup>06L</sup>
26	06	74	1615	0124	26.0		6.6	92.0	11.0	.5	13.0 <sup>06L</sup>
24	07	74	1430	0124	34.		8.8	121.	27.	1.0	38. <sup>06L</sup>
11	09	74	1430	0124	31.		8.9	114.	44.	.8	66. <sup>06L</sup>
30	10	74	1150	0124	39.		10.6	141.	70.	1.1	100. <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10GB002** LAT. **62 D 38 M 51 S** LONG. **122D 54 M 15 S**

UTM **10 504900E 6946100N**

WILLOW LAKE RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD ) MG/L	C MG/L	C MG/L
26	02	74	1100	0124	.14	90.0 <sup>04L</sup>	3.7		21.0	11.0
27	03	74	1135	0124	.16	88.0 <sup>04L</sup>	3.9		29.0	15.0
15	05	74	1215	0124	L.05	12.0 <sup>04L</sup>	2.5	79.	11.0	30.0
26	06	74	1615	0124	.06	16.0 <sup>04L</sup>	3.2	117.	15.0	22.0
24	07	74	1430	0124	.07	25. <sup>06L</sup>	2.6	188.	16.	10.
11	09	74	1430	0124	L.05	33. <sup>06L</sup>	3.7	241.	16.	18.
30	10	74	1150	0124	.08	39. <sup>06L</sup>	4.3	325.	20.	15.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
26	02	74	1100	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	.6 <sup>01L</sup>	.170 <sup>06F</sup>	
27	03	74	1135	0124	.007 <sup>13F</sup>		.007 <sup>63F</sup>	L.002 <sup>55F</sup>	.007 <sup>13F</sup>	.7 <sup>01L</sup>	.110 <sup>06F</sup>	
15	05	74	1215	0124	.11 <sup>13F</sup>		.008 <sup>63F</sup>	.005 <sup>55F</sup>	.120 <sup>13F</sup>	L.5	.010 <sup>06F</sup>	
26	06	74	1615	0124						1.3		
24	07	74	1430	0124	.14	L.003 <sup>03L</sup>	.007 <sup>56L</sup>	L.003 <sup>56L</sup>	.17 <sup>06L</sup>	1.0	.12	1.12
11	09	74	1430	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	L.003 <sup>06L</sup>		L.01	
30	10	74	1150	0124	.005 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.008 <sup>06L</sup>	.6	.05	.65

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
26	02	74	1100	0124	.005		L.05	L.010	.03	.20	.003	.006
27	03	74	1135	0124			L.05	L.010	.03	.21	L.001	.002
15	05	74	1215	0124	L.001			L.010	.18	4.10	.003	.007
26	06	74	1615	0124	L.001		L.05	L.010	.01	.47	L.001	.002
24	07	74	1430	0124	.004		L.05	L.015	.12	4.6	.002	.008
11	09	74	1430	0124	L.004		L.05	L.015	.012	.17	.003	.007
30	10	74	1150	0124	L.004		L.05	L.015	.031	.33	.002	.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10GB0002** LAT. **62 D 38 M 51 S** LONG. **122 D 54 M 15 S**

UTM **10 504900E 6946100N**

WILLOW LAKE RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
26	02	74	1100	0124	.001	.003		.62	L.05	.001		L.05
27	03	74	1135	0124	L.001	.002		.63	L.05	.001		.08
15	05	74	1215	0124	.005	.007	L.001 <sup>04L</sup>		L.05	.001		.05
26	06	74	1615	0124	L.001	.003	L.001 <sup>04L</sup>	.06	L.05	.002		L.05
24	07	74	1430	0124	.008	.025	L.001 <sup>04L</sup>	.18	L.10	L.001		.16
11	09	74	1430	0124	L.001	L.001	L.001 <sup>04L</sup>	.01	L.10	.003		L.05
30	10	74	1150	0124	L.001	.006	L.001 <sup>04L</sup>	.21	L.10	L.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
26	02	74	1100	0124	.06	.038	
27	03	74	1135	0124	.11	.035	
15	05	74	1215	0124	.13	L.005	
26	06	74	1615	0124	.12	L.005	
24	07	74	1430	0124	.06	.007	
11	09	74	1430	0124	.10	.10	
30	10	74	1150	0124	.09	.009	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10GC0001** LAT. **61 D 52 M** LONG. **121 D 20 M** UTM **10 588000E 6862000N**

MACKENZIE RIVER NEAR FORT SIMPSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
27	02	74	1715	0124	.3	16.4 <sup>61F</sup>	310.	200. <sup>41F</sup>	7.3	7.8 <sup>01F</sup>	3.5 <sup>73F</sup>	
26	03	74	1800	0124	.3	20.6 <sup>61F</sup>	215.	220. <sup>41F</sup>	7.7	7.9 <sup>01F</sup>	2.7 <sup>73F</sup>	
15	05	74	1300	0124	2.0	18.9 <sup>61F</sup>	137.	192. <sup>41F</sup>	8.1	7.9 <sup>01F</sup>	18.0 <sup>73F</sup>	
25	06	74	1645	0124	16.0	21.0		224.	8.1	7.9	20.0	50.
24	07	74	0910	0124	18.0	22.3		245.	7.6	7.8	8.0	L5.
10	09	74	1935	0124	11.0	16.0		236.		8.2	5.1	5.
29	10	74	1340	0124	1.0	20.6		227.		8.1	16.	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
27	02	74	1715	0124		6.	2.			0. <sup>51F</sup>	83.0 <sup>01F</sup>
26	03	74	1800	0124						0.	85.0 <sup>01F</sup>
15	05	74	1300	0124						0. <sup>51F</sup>	76.0 <sup>01F</sup>
25	06	74	1645	0124				0.	95.	0.	78.0
24	07	74	0910	0124				0.	98.	0.	80.0
10	09	74	1935	0124				0.	94.	.0	77.
29	10	74	1340	0124		20.	16.	0.	102.	.0	84.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	02	74	1715	0124	34.0 <sup>01F</sup>			108. <sup>03F</sup>	8.0	1.0	8.3 <sup>06L</sup>
26	03	74	1800	0124	35.0 <sup>01F</sup>			105. <sup>03F</sup>	8.4	1.1	8.0 <sup>06L</sup>
15	05	74	1300	0124	29.0 <sup>01F</sup>			96.0 <sup>03F</sup>	7.1	1.1	6.7 <sup>06L</sup>
25	06	74	1645	0124	29.0		5.7	96.0	7.4	1.1	6.9 <sup>06L</sup>
24	07	74	0910	0124	39.0		1.8	105.	8.0	1.0	8.0 <sup>06L</sup>
10	09	74	1935	0124	29.		5.5	95.	7.6	1.0	7.2 <sup>06L</sup>
29	10	74	1340	0124	30.		6.1	100.	7.7	1.1	7.5 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10GC001** LAT. **61 D 52 M**

LONG. **121 D 20 M**

UTM **10 588000E 6862000N**

MACKENZIE RIVER NEAR FORT SIMPSON,  
NORTHWEST TERRITORIES

09105L 16303L 14102L 00201L 06051L 06001L  
**FLUORIDE** **SULPHATE** **SILICA** **TOTAL** **CARBON** **CARBON**  
**DISSOLVED** **DISSOLVED** **REACTIVE** **DISSOLVED** **TOTAL** **TOTAL**  
**SAMPLE DATE** **DISSOLVED** **DISSOLVED** **SOLIDS** **INORGANIC** **ORGANIC**

SAMPLE DATE					F	SO4	SIO2	(CALCD.)	C	C
CST					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
D	M	Y	HR	ID						
27	02	74	1715	0124	.06	23.04L	3.5		15.0	5.0
26	03	74	1800	0124	.09	24.04L	3.6		19.0	6.0
15	05	74	1300	0124	.08	22.04L	3.3		18.0	9.0
25	06	74	1645	0124	.06	22.04L	2.8	122.	18.0	9.0
24	07	74	0910	0124	.07	28.06L	2.3	136.	14.0	7.0
10	09	74	1935	0124	L.05	27.06L	2.8	126.	17.	5.
29	10	74	1340	0124	.07	23.06L	3.3	129.	17.	6.

15313L 15101L 15363L 15255L 15413L 07002L 07106L 07602L  
**PHOSPHORUS** **PHOSPHORUS** **PHOSPHORUS** **PHOSPHORUS** **PHOSPHORUS** **NITROGEN** **NITROGEN** **NITROGEN**  
**TOTAL** **TOTAL** **DISSOLVED** **DISSOLVED** **TOTAL** **TOTAL** **DISSOLVED** **TOTAL**  
**SAMPLE DATE** **INORG. PO4** **DISSOLVED** **INORG. PO4** **ORTHO PO4** **KJELDAHL** **NO3 & NO2** **(CALCD.)**

SAMPLE DATE					P	P	P	P	P	N	N	N
CST					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
D	M	Y	HR	ID								
27	02	74	1715	0124	.00413F		.00463F	.00355F	.00813F		.11006F	
26	03	74	1800	0124	.00513F		.00563F	.00355F	.01513F	L.501L	.12006F	
15	05	74	1300	0124	.04013F		L.00163F	L.00255F	.04513F	.5	.07006F	
25	06	74	1645	0124						.5		
24	07	74	0910	0124	.01501L	L.00303L	L.00356L	L.00356L	.01706L	.5	.030	.53
10	09	74	1935	0124	L.003	L.00303L	L.00356L	L.00356L	L.00306L		.03	
29	10	74	1340	0124	.01101L	L.00303L	L.00356L	L.00356L	.01706L	.4	.07	.47

82302P 13302P 23301P 24302P 25304P 26304P 27302P 28302P  
**LEAD** **ALUMINUM** **VANADIUM** **CHROMIUM** **MANGANESE** **IRON** **COBALT** **NICKEL**  
**EXTRBLE.** **EXTRBLE.** **EXTRBLE.** **EXTRBLE.** **EXTRBLE.** **EXTRBLE.** **EXTRBLE.** **EXTRBLE.**

SAMPLE DATE					PB	AL	V	CR	MN	FE	CO	NI
CST					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
D	M	Y	HR	ID								
27	02	74	1715	0124	.006		L.05	L.010	L.01	.08	.005	.007
26	03	74	1800	0124	.001		L.05	L.010	L.01	.07	L.001	.003
15	05	74	1300	0124	L.001		L.05	L.010	.03	.79	L.001	.006
25	06	74	1645	0124	L.001		L.05	L.010	L.01	.45	L.001	.008
24	07	74	0910	0124	L.001		L.05	L.010	.01	.28	L.001	.003
10	09	74	1935	0124	.005		L.05	L.015	L.010	.14	.002	.006
29	10	74	1340	0124	L.004		L.05	L.015	L.010	.22	.002	.008

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10GC0001** LAT. **61 D 52 M**

LONG. **121 D 20 M**

UTM **10 588000E 6862000N**

MACKENZIE RIVER NEAR FORT SIMPSON,  
NORTHWEST TERRITORIES

29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P
<b>COPPER</b>	<b>ZINC</b>	<b>ARSENIC</b>	<b>STRONTIUM</b>	<b>MOLYBDENUM</b>	<b>CADMIUM</b>	<b>BARIUM</b>	<b>MERCURY</b>
EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

SAMPLE DATE					CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
27	02	74	1715	0124	.003	.005		.17	.27	.003		.08
26	03	74	1800	0124	.001	.001		.16	L.05	.001		L.05
15	05	74	1300	0124	.002	.007	L.001 <sup>04L</sup>	.10	L.05	.002		L.05
25	06	74	1645	0124	.002	.004	L.001 <sup>04L</sup>	.14	L.05	.002		L.05
24	07	74	0910	0124	.004	.012	L.001 <sup>04L</sup>	.15	L.05	.001		.08
10	09	74	1935	0124	.002	.002	.001 <sup>04L</sup>	.09	L.10	.003		L.05
29	10	74	1340	0124	.002	.001	.001 <sup>04L</sup>	.10	L.10	.002		L.05

05105L	03301P	06604P
<b>BORON</b>	<b>LITHIUM</b>	<b>CYANIDE</b>
DISSOLVED	EXTRBLE.	DISSOLVED

SAMPLE DATE

SAMPLE DATE					B	LI	CN
D	M	Y	HR	ID	MG/L	MG/L	MG/L
27	02	74	1715	0124	.06	L.005	
26	03	74	1800	0124	.06	.005	
15	05	74	1300	0124	.05	L.005	
25	06	74	1645	0124		L.005	
24	07	74	0910	0124	L.02	L.005	
10	09	74	1935	0124	.04	.005	
29	10	74	1340	0124	.04	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10GD001** LAT. **62 D 10 M 30 S** LONG. **123 D 23 M 0 S**

UTM **10 480000E 6893500N**

NORTH NAHANNI RIVER ABOUT 5 MILES  
FROM MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
28	02	74	1240	0124	.3	14.0 <sup>61F</sup>	320.	375. <sup>41F</sup>	7.7	7.8 <sup>01F</sup>	5.0 <sup>73F</sup>	
26	03	74	1445	0124	.3	20.7 <sup>61F</sup>	450.	525. <sup>41F</sup>	7.6	7.9 <sup>01F</sup>	.9 <sup>73F</sup>	
15	05	74	1200	0124	5.0	19.0 <sup>61F</sup>	140.	180. <sup>41F</sup>	8.1	7.9 <sup>01F</sup>	225. <sup>73F</sup>	
26	06	74	1510	0124	16.5	19.5		343.	8.0	7.9	125.	
24	07	74	1320	0124	18.0	22.6	375.	359.	8.2	8.0	18.	5.
30	10	74	1120	0124	.3	20.7		507.		8.1	5.7	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
28	02	74	1240	0124		6.	2.			0. <sup>51F</sup>	176. <sup>01F</sup>
26	03	74	1445	0124						0. <sup>51F</sup>	169. <sup>01F</sup>
15	05	74	1200	0124		1596.	1478.			0. <sup>51F</sup>	78.0 <sup>01F</sup>
26	06	74	1510	0124				0.	127.	0.	104.
24	07	74	1320	0124				0.	155.	0.	127.
30	10	74	1120	0124				0.	197.	.0	162.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
28	02	74	1240	0124	69.0 <sup>01F</sup>			233. <sup>03F</sup>	9.7	.8	12.0 <sup>06L</sup>
26	03	74	1445	0124	84.0 <sup>01F</sup>			279. <sup>03F</sup>	10.0	.6	14.0 <sup>06L</sup>
15	05	74	1200	0124	37.0 <sup>01F</sup>			109. <sup>03F</sup>	2.4	.8	2.3 <sup>06L</sup>
26	06	74	1510	0124	40.0		8.0	133.	3.7	.6	3.3 <sup>06L</sup>
24	07	74	1320	0124	37. <sup>03L</sup>	12.6			4.7	.6	4.1 <sup>06L</sup>
30	10	74	1120	0124	66.		20.7	250.	13.	.9	15. <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10GD001** LAT. **62 D 10 M 30 S** LONG. **123D 23 M 0 S** UTM **10 480000E 6893500N**

NORTH NAHANNI RIVER ABOUT 5 MILES  
FROM MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
28	02	74	1240	0124	.16	61.0 <sup>04L</sup>	5.4		26.0	6.0
26	03	74	1445	0124	.29	114. <sup>04L</sup>	4.0		36.0	2.0
15	05	74	1200	0124	.11	26.0 <sup>04L</sup>	2.8		17.0	16.0
26	06	74	1510	0124	.11	28.0 <sup>04L</sup>	3.3	149.	21.0	9.0
24	07	74	1320	0124	.09	46. <sup>06L</sup>	3.6	185.	20.	3.
30	10	74	1120	0124	.23	78. <sup>06L</sup>	4.5	295.	33.	2.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
28	02	74	1240	0124	.004 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.007 <sup>13F</sup>		.190 <sup>06F</sup>	
26	03	74	1445	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.150 <sup>06F</sup>	
15	05	74	1200	0124	.50 <sup>13F</sup>		.004 <sup>63F</sup>	L.002 <sup>55F</sup>	.580 <sup>13F</sup>	2.1	.050 <sup>06F</sup>	
26	06	74	1510	0124					.8			
24	07	74	1320	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	L.003 <sup>06L</sup>	.3	.19	.49
30	10	74	1120	0124	.007 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.007 <sup>06L</sup>	.2	.12	.32

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
28	02	74	1240	0124	.004		L.05	L.010	.02	.26	.004	.004
26	03	74	1445	0124	.003			L.010	L.01	.07	L.001	.003
15	05	74	1200	0124	.009		L.05	.018	.52	26.0	.012	.037
26	06	74	1510	0124	L.001		L.05	L.010	.21	5.70	.005	.018
24	07	74	1320	0124	L.004		L.05	L.015	L.010	.44	L.002	.002
30	10	74	1120	0124	.004		L.05	.015	.018	.45	.002	.006



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10GD0001** LAT. **62 D 10 M 30 S** LONG. **123D 23 M 0 S**

UTM **10 480000E 6893500N**

NORTH NAHANNI RIVER ABOUT 5 MILES  
FROM MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
28	02	74	1240	0124	L.001	.005		.71	L.05	.001	L.1	L.05
26	03	74	1445	0124	L.001	.002		3.90	L.05	.001		.13
15	05	74	1200	0124	.021	.061	L.001 04L	.44	L.05	.002		L.05
26	06	74	1510	0124	.010	.034	L.001 04L	.46	L.05	.002		L.05
24	07	74	1320	0124	L.001	.004	L.001 04L	.90	L.10	L.001		.05
30	10	74	1120	0124	L.001	.006	L.001 04L	1.2	L.10	.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
28	02	74	1240	0124	.08	.007	
26	03	74	1445	0124	.04	.007	
15	05	74	1200	0124	.09	.024	
26	06	74	1510	0124	.06	.005	
24	07	74	1320	0124	.04	L.005	
30	10	74	1120	0124	.02	.007	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HA0001** LAT. **64 D 23 M 15 S** LONG. **124D 53 M 0 S** UTM **10 409200E 7141300N**

KEELE RIVER ABOUT 4 MILES FROM MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG C.	DEG C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
26	02	74	1425	0124	.3	17.3 <sup>61F</sup>	673.	660. <sup>41F</sup>	7.7	7.8 <sup>01F</sup>	.8 <sup>73F</sup>	
27	03	74	1555	0124	.3	22.2 <sup>61F</sup>		720. <sup>41F</sup>	7.8	8.0 <sup>01F</sup>	.3 <sup>73F</sup>	
22	05	74	1255	0124	4.0	21.4	168.	240.	8.0	7.8	250.	
26	06	74	1935	0124	14.0	23.4	190.	262.	7.9	7.8	75.0	30.
24	07	74	1700	0124	12.5	22.9	160.	273.	7.9	7.7	250.	40.
12	09	74	1140	0124	13.5	20.1		402.		8.2	11.	5.
30	10	74	1400	0124	.3	20.4		531.		8.2	2.2	15.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
26	02	74	1425	0124						0. <sup>51F</sup>	142. <sup>01F</sup>
27	03	74	1555	0124						0.	135. <sup>01F</sup>
22	05	74	1255	0124		612.	550.	0.	89.	.0	73.0
26	06	74	1935	0124				0.	101.	0.	83.0
24	07	74	1700	0124		504.	442.	0.	104.	0.	85.0
12	09	74	1140	0124				0.	141.	.0	116.
30	10	74	1400	0124				0.	171.	.0	140.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
26	02	74	1425	0124	92.0 <sup>01F</sup>			350. <sup>03F</sup>	31.0	.8	50.0 <sup>06L</sup>
27	03	74	1555	0124	94.0 <sup>01F</sup>			337. <sup>03F</sup>	31.0	.8	48.0 <sup>06L</sup>
22	05	74	1255	0124	32.0		6.8	108.	4.2	.7	5.5 <sup>06L</sup>
26	06	74	1935	0124	33.0		11.1	128.	4.1	.5	5.5 <sup>06L</sup>
24	07	74	1700	0124	36.0		10.0	131.	4.5	.5	7.6 <sup>06L</sup>
12	09	74	1140	0124	50.		16.6	193.	7.4	.5	8.5 <sup>06L</sup>
30	10	74	1400	0124	62.		24.6	256.	13.	.7	17. <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10HA001** LAT. **64 D 23 M 15 S** LONG. **124 D 53 M 0 S**

UTM **10 409200E 7141300N**

KEELE RIVER ABOUT 4 MILES FROM MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST				SUBM	F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1425	0124	.11	190. 04L	4.2		22.0	2.0
27	03	74	1555	0124	.17	215. 04L	4.2		30.0	2.0
22	05	74	1255	0124	.05	40.0 04L	2.4	135.	15.0	10.0
26	06	74	1935	0124	.06	40.0 04L	2.9	147.	20.0	5.0
24	07	74	1700	0124	.06	40. 04L	3.1	153.	13.0	3.0
12	09	74	1140	0124	L.05	83. 06L	3.6	239.	21.	2.
30	10	74	1400	0124	.12	105. 06L	4.3	311.	26.	3.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST				SUBM	P	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1425	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.090 06F	
27	03	74	1555	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.150 06F	
22	05	74	1255	0124						1.0		
26	06	74	1935	0124						L.5		
24	07	74	1700	0124	.13		.005 56L	L.003 56L	.140 06L	.8	.070	.87
12	09	74	1140	0124	L.003	L.003 03L	L.003 56L	L.003 56L	L.003 06L		.06	
30	10	74	1400	0124	L.003 01L	L.003 03L	L.003 56L	L.003 56L	.003 06L	.2	.12	.32

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1425	0124	.004		L.05	L.010	L.01	L.05	.004	.005
27	03	74	1555	0124	.004		L.05	L.010	L.01	L.05	L.001	.002
22	05	74	1255	0124	.010		L.05	L.010	.30	11.0	.008	.082
26	06	74	1935	0124	L.001		L.05	L.010	.04	1.10	.003	.007
24	07	74	1700	0124	.007		L.05	L.010	.17	8.10	.004	.017
12	09	74	1140	0124	L.004		L.05	L.015	.012	.30	L.002	.005
30	10	74	1400	0124	.007		L.05	L.015	L.010	.11	.002	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HA0001** LAT. **64 D 23 M 15 S** LONG. **124D 53 M 0 S**

UTM **10 409200E 7141300N**

KEELE RIVER ABOUT 4 MILES FROM MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
26	02	74	1425	0124	L.001	.005		1.10	L.05	.002		.06
27	03	74	1555	0124	L.001	.003		1.10	L.05	.001		L.05
22	05	74	1255	0124	.017	.041	L.001 04L	.25	L.05	.002		L.05
26	06	74	1935	0124	.002	.012	L.001 04L	.22	L.05	.002		L.05
24	07	74	1700	0124	.016	.014	L.001 04L	.30	L.05	.002		L.05
12	09	74	1140	0124	L.001	.004	L.001 04L	.37	L.10	.003		L.05
30	10	74	1400	0124	L.001	.034 04P	L.001 04L	.58	L.10	.002		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
26	02	74	1425	0124	.14	.008	
27	03	74	1555	0124	.04	.008	
22	05	74	1255	0124	.05	.013	
26	06	74	1935	0124	.02	L.005	
24	07	74	1700	0124	.02	.006	
12	09	74	1140	0124	L.02	.37	
30	10	74	1400	0124	.02	.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HB0004** LAT. **64 D 16 M 0 S** LONG. **124 D 34 M 30 S**

UTM **10 423700E 7127500N**

REDSTONE RIVER AT MOUTH,  
NORTHWEST TERRITORIES

02061S	02061L	02041S	02041L	10301S	10301L	02073L	02011L
TEMP.	TEMP.	SPECIFIC	SPECIFIC	PH	PH	TURBIDITY	COLOUR
WATER	WATER	CONDUCT.	CONDUCT.				APPARENT

**SAMPLE DATE**

CST					SUBM	DEG. C.		USIE/CM		PH UNITS		JTU	REL. UNITS
D	M	Y	HR	ID	ID								
26	02	74	1355	0124		.3	17.1 <sup>61F</sup>	600.	610. <sup>41F</sup>	7.6	7.9 <sup>01F</sup>	1.4 <sup>73F</sup>	
27	03	74	1510	0124		.3	21.8 <sup>61F</sup>		624.	8.0	8.1 <sup>01F</sup>	1.0 <sup>73F</sup>	
22	05	74	1700	0124		6.4	21.5		235.	8.3	7.8	410.	90.
26	06	74	1920	0124		14.0	22.0		265.	7.4	8.0	220.	
24	07	74	1645	0124		13.5	22.9		275.	7.4	7.9	200.	30.
12	09	74	1130	0124		12.0	19.8		369.		8.2	5.6	10.
30	10	74	1350	0124		.3	20.5		532.		8.3	7.2	5.

08301L		10401L	10501L	06301L	06201L	10151L	10101L
OXYGEN		RESIDUE	RESIDUE	CARBONATE	BICARBONT.	ALKALINITY	ALKALINITY
TOTAL COD		NONFILTR.	FIXED	(CALCD.)	(CALCD.)	PHENOL	TOTAL
			NONFILTR.			PTHALEIN	

**SAMPLE DATE**

CST					SUBM	O2			CO3	HCO3	CACO3	CACO3
D	M	Y	HR	ID	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1355	0124								0. <sup>51F</sup>
27	03	74	1510	0124								0. <sup>01F</sup>
22	05	74	1700	0124			972.	884.	0.	101.	.0	83.0
26	06	74	1920	0124					0.	115.	0.	94.0
24	07	74	1645	0124			258.	216.	0.	112.	0.	92.
12	09	74	1130	0124					0.	149.	.0	122.
30	10	74	1350	0124					0.	183.	.0	150.

20101L	12102L	12101L	10603L		11103L	19103L	17203L
CALCIUM	MAGNESIUM	MAGNESIUM	HARDNESS		SODIUM	POTASSIUM	CHLORIDE
DISSOLVED	DISSOLVED	DISSOLVED	TOTAL		DISSOLVED	DISSOLVED	DISSOLVED
		(CALCD.)					

**SAMPLE DATE**

CST					SUBM	CA	MG	MG	CACO3	NA	K	CL
D	M	Y	HR	ID	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1355	0124		90.0 <sup>01F</sup>			325. <sup>03F</sup>	27.0	.8	39.0 <sup>06L</sup>
27	03	74	1510	0124		70.0 <sup>01F</sup>			330. <sup>03F</sup>	27.0	.8	43.0 <sup>06L</sup>
22	05	74	1700	0124		30.0		7.1	104.	5.0	.6	5.9 <sup>06L</sup>
26	06	74	1920	0124		33.0		10.1	124.	5.2	.6	3.8 <sup>06L</sup>
24	07	74	1645	0124		33.	11.	11.1	128.	5.1	.7	5.6 <sup>06L</sup>
12	09	74	1130	0124		43.		16.7	176.	7.6	.6	8.9 <sup>06L</sup>
30	10	74	1350	0124		62.		23.6	252.	15.	.7	20. <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HB0004** LAT. **64 D 16 M 0 S** LONG. **124 D 34 M 30 S**

UTM **10 423700E 7127500N**

REDSTONE RIVER AT MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
26	02	74	1355	0124		170. 04L			22.0	3.0
27	03	74	1510	0124	.34	170. 04L	4.7		33.0	3.0
22	05	74	1700	0124	.07	33.0 04L	2.5	134.	16.0	11.0
26	06	74	1920	0124	.07	33.0 04L	3.0	145.	23.0	7.0
24	07	74	1645	0124	.06	35. 06L	3.2	149.		
12	09	74	1130	0124	L.05	62. 06L	3.8	216.	23.	2.
30	10	74	1350	0124	.18	92. 06L	4.4	308.	28.	1.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
26	02	74	1355	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.100 06F	
27	03	74	1510	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.150 06F	
22	05	74	1700	0124						1.3		
26	06	74	1920	0124						L.5		
24	07	74	1645	0124	.11	L.003 03L	.006 56L	L.003 56L	.13 06L	.6	.12	.72
12	09	74	1130	0124	.014	.005 03L	L.003 56L	L.003 56L	.014 06L		.07	
30	10	74	1350	0124	.008 01L	L.003 03L	L.003 56L	L.003 56L	.013 06L	.2	.21	.41

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
26	02	74	1355	0124	.005		L.05	L.010	.01	.05	.004	.005
27	03	74	1510	0124	.003		L.05	L.010	L.01	.09	L.001	.003
22	05	74	1700	0124	.010		L.05	.017	.51	25.0		
26	06	74	1920	0124	.006		L.05	L.010	.19	6.20	.006	.010
24	07	74	1645	0124	.007		L.05	L.015	.17	6.9	.006	.012
12	09	74	1130	0124	L.004		L.05	L.015	.040	1.2	.002	.005
30	10	74	1350	0124	L.004		L.05	L.015	.012	.38	.002	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HB004** LAT. **64 D 16 M 0 S** LONG. **124 D 34 M 30 S**

UTM **10 423700E 7127500N**

REDSTONE RIVER AT MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
26	02	74	1355	0124	L.001	.002			1.90	L.05	.001	.08	
27	03	74	1510	0124	L.001	.002			1.90	L.05	.001	L.05	
22	05	74	1700	0124	.023	.049	L.001 04L	.52	L.05			L.05	
26	06	74	1920	0124	.006	.015	L.001 04L	.53	L.05	.002		L.05	
24	07	74	1645	0124	.008	.014	L.001 04L	.55	L.10			.08	
12	09	74	1130	0124	.001	.007	L.001 04L	.80	L.10	.002		L.05	
30	10	74	1350	0124	L.001	.004	L.001 04L	1.8	L.10	.002		L.05	

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L	
26	02	74	1355	0124	.05	.006		
27	03	74	1510	0124	.05	.008		
22	05	74	1700	0124	.05	.022		
26	06	74	1920	0124	.02	.007		
24	07	74	1645	0124	.07	.005		
12	09	74	1130	0124	L.02	L.005		
30	10	74	1350	0124	L.02	L.005		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC001** LAT. **63 D 16 M 0 S** LONG. **123 D 36 M 0 S** UTM **10 470000E 7015000N**

MACKENZIE RIVER NEAR WRIGLEY,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
26	02	74	1150	0124	.3	16.9 <sup>61F</sup>	264.	220. <sup>41F</sup>	7.6	7.6 <sup>01F</sup>	3.5 <sup>73F</sup>	
27	03	74	1215	0124	.3	20.4 <sup>61F</sup>	235.	250. <sup>41F</sup>	8.0	7.8 <sup>01F</sup>	2.6 <sup>73F</sup>	
22	05	74	1445	0124	4.7	21.6	202.	202.	7.9	7.7	54.0	
26	06	74	1710	0124	14.5	21.2	207.	207.	7.7	7.9	75.0	50.
24	07	74	1430	0124	19.0	22.6	233.	233.	7.6	7.7	300.	10.
11	09	74	1450	0124	16.5	20.2	252.	252.		8.1	7.7	10.
30	10	74	1220	0124	.5	20.8	278.	278.		8.1	7.7	10.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
26	02	74	1150	0124		5.	L1.			0. <sup>51F</sup>	84.0 <sup>01F</sup>
27	03	74	1215	0124						0.	88.0 <sup>01F</sup>
22	05	74	1445	0124		80.	69.	0.	94.	.0	77.0
26	06	74	1710	0124				0.	95.	0.	78.0
24	07	74	1430	0124		1338.	1218.	0.	99.	0.	81.
11	09	74	1450	0124				0.	98.	.0	80.
30	10	74	1220	0124				0.	128.	.0	105.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
26	02	74	1150	0124	32.0 <sup>01F</sup>			112. <sup>03F</sup>	11.0	1.1	13.0 <sup>06L</sup>
27	03	74	1215	0124	34.0 <sup>01F</sup>			109. <sup>03F</sup>	12.0	1.1	13.0 <sup>06L</sup>
22	05	74	1445	0124	27.0		6.7	95.0	6.1	.9	6.0 <sup>06L</sup>
26	06	74	1710	0124	28.0		6.1	95.0	5.1	.9	5.2 <sup>06L</sup>
24	07	74	1430	0124	33.		7.4	113.	6.3	1.0	6.9 <sup>06L</sup>
11	09	74	1450	0124	28.		7.8	102.	9.0	1.0	10. <sup>06L</sup>
30	10	74	1220	0124	36.		12.4	141.	6.0	.9	5.4 <sup>06L</sup>



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC001** LAT. **63 D 16 M 0 S** LONG. **123 D 36 M 0 S** UTM **10 470000E 7015000N**

MACKENZIE RIVER NEAR WRIGLEY,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1150	0124	.06	24.0 <sup>04L</sup>	3.6		16.0	7.0
27	03	74	1215	0124	.09	24.0 <sup>04L</sup>	3.6		20.0	6.0
22	05	74	1445	0124	.05	20.0 <sup>04L</sup>	3.1	116.	16.0	14.0
26	06	74	1710	0124	.05	18.0 <sup>04L</sup>	3.2	113.	19.0	11.0
24	07	74	1430	0124	.07	25. <sup>06L</sup>	2.9	131.		
11	09	74	1450	0124	L.05	28. <sup>06L</sup>	2.8	135.	15.	6.
30	10	74	1220	0124	.07	30. <sup>06L</sup>	4.8	159.	21.	5.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1150	0124	.003 <sup>13F</sup>		.003 <sup>63F</sup>	.003 <sup>55F</sup>	.009 <sup>13F</sup>	L.5 <sup>01L</sup>	.120 <sup>06F</sup>	
27	03	74	1215	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	.003 <sup>55F</sup>	.009 <sup>13F</sup>	L.5 <sup>01L</sup>	.120 <sup>06F</sup>	
22	05	74	1445	0124						.6		
26	06	74	1710	0124						.7		
24	07	74	1430	0124	.63	.004 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>		2.2	.03	2.23
11	09	74	1450	0124	.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.003 <sup>06L</sup>		.01	
30	10	74	1220	0124	.008 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.012 <sup>06L</sup>	.3	.07	.37

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1150	0124	.005		L.05	L.010	L.01	.08	.004	.006
27	03	74	1215	0124	.003		L.05	L.010	L.025	.08	L.001	.004
22	05	74	1445	0124	L.001		L.05	L.010	.06	2.00	.002	.006
26	06	74	1710	0124	L.001		L.05	L.010	.08	.47	.003	.010
24	07	74	1430	0124	.009		L.05	L.015	.38	14.0	.008	.024
11	09	74	1450	0124	L.004		L.05	L.015	L.010	.20	.002	.005
30	10	74	1220	0124	L.004		L.05	L.015	L.010	.22	.002	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC001** LAT. **63 D 16 M 0 S** LONG. **123 D 36 M 0 S**

UTM **10 470000E 7015000N**

MACKENZIE RIVER NEAR WRIGLEY,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
26	02	74	1150	0124	.003	.003			.19	L.05	.001		L.05
27	03	74	1215	0124	.001	L.001		.16	L.05	.001		.07	
22	05	74	1445	0124	.005	.005	L.001 <sub>04L</sub>	.10	L.05	.002		L.05	
26	06	74	1710	0124	.004	.016	L.001 <sub>04L</sub>	.15	L.05	.002		L.05	
24	07	74	1430	0124	.023	.062	L.001 <sub>04L</sub>	.20	L.10	.002		L.05	
11	09	74	1450	0124	L.001	.007	.001 <sub>04L</sub>	.13	L.10	.003		L.05	
30	10	74	1220	0124	L.001	.012	.001 <sub>04L</sub>	.15	L.10	.002		L.05	

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L	
26	02	74	1150	0124	.14	L.005		
27	03	74	1215	0124	.04	.005		
22	05	74	1445	0124	.07	L.005		
26	06	74	1710	0124	.04	L.005		
24	07	74	1430	0124	.05	.010		
11	09	74	1450	0124	.05	L.005		
30	10	74	1220	0124	.03	.005		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC0005** LAT. **63 D 57 M 0 S** LONG. **124 D 9 M 0 S**

UTM **10 444000E 7092000N**

BLACKWATER RIVER AT MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
26	02	74	1315	0124	.3	17.2 <sup>61F</sup>	1240.	1280. <sup>41F</sup>	7.5	7.2 <sup>01F</sup>	1.2 <sup>73F</sup>	
27	03	74	1430	0124	.3	22.0 <sup>61F</sup>	1320.	1395. <sup>41F</sup>	8.0	8.0 <sup>01F</sup>	.6 <sup>73F</sup>	
22	05	74	1320	0124	4.5	21.8		236.	8.0	7.8	260.	
26	06	74	1840	0124	11.0	24.1		244.	8.2	8.0	3.0	60.
24	07	74	1620	0124	13.5	22.7		315.	7.3	7.9	.5	40.
12	09	74	1115	0124	13.0	19.6		401.		8.0	.4	50.
30	10	74	1330	0124	.3	20.8		568.		8.1	.8	40.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
26	02	74	1315	0124						0. <sup>51F</sup>	130. <sup>01F</sup>
27	03	74	1430	0124						0.	152. <sup>01F</sup>
22	05	74	1320	0124		50.	32.	0.	94.	.0	77.0
26	06	74	1840	0124				0.	96.	0.	79.0
24	07	74	1620	0124				0.	100.	0.	82.0
12	09	74	1115	0124				0.	112.	.0	92.
30	10	74	1330	0124				0.	124.	.0	102.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
26	02	74	1315	0124	142. <sup>01F</sup>			488. <sup>03F</sup>	132.	1.4	200. <sup>06L</sup>
27	03	74	1430	0124	155. <sup>01F</sup>			479. <sup>03F</sup>	134.	1.5	200. <sup>06L</sup>
22	05	74	1320	0124	26.0		5.6	88.0	13.0	.6	17.0 <sup>06L</sup>
26	06	74	1840	0124	30.0		4.9	95.0	14.0	.6	18.0 <sup>06L</sup>
24	07	74	1620	0124	33.0		8.6	118.	18.0	.7	25.0 <sup>06L</sup>
12	09	74	1115	0124	36.3 <sup>03L</sup>	11.7			26.	.7	36. <sup>06L</sup>
30	10	74	1330	0124	55.		15.7	202.	43.	.9	59. <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC0005** LAT. **63 D 57 M 0 S** LONG. **124 D 9 M 0 S** UTM **10 444000E 7092000N**

BLACKWATER RIVER AT MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1315	0124	.18	360. 04L	5.1		22.0	8.0
27	03	74	1430	0124	.37	330. 04L	5.2		35.0	7.0
22	05	74	1320	0124	L.05	17.0 04L	2.7	128.	17.0	15.0
26	06	74	1840	0124	L.05	19.0 04L	2.3	136.	15.0	11.0
24	07	74	1620	0124	.06	31. 06L	2.6	168.	16.0	11.0
12	09	74	1115	0124	L.05	56. 06L	2.6	225.	18.	11.
30	10	74	1330	0124	.12	80. 06L	3.6	318.	17.	10.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1315	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	.6 01L	.060 06F	
27	03	74	1430	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.130 06F	
22	05	74	1320	0124						.6		
26	06	74	1840	0124						.5		
24	07	74	1620	0124	.010 01L	L.003 03L	.006 56L	L.003 56L		L.5	.110	Q.61
12	09	74	1115	0124	L.003	L.003 03L	L.003 56L	L.003 56L	L.003 06L		.08	
30	10	74	1330	0124	.004 01L	L.003 03L	L.003 56L	L.003 56L	.007 06L	.4	.17	.57

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1315	0124	.003		L.05	L.010	.02	.08	.004	.007
27	03	74	1430	0124	.003		L.05	L.010	L.01	.08	L.001	.002
22	05	74	1320	0124	L.001		L.05	L.010	.05	1.40	L.001	.016
26	06	74	1840	0124	L.001		L.05	L.010	L.01	.15	L.001	.006
24	07	74	1620	0124	.005		L.05	L.010	L.01	.11	.002	.007
12	09	74	1115	0124	L.004		L.05	L.015	L.010	.08	L.002	.006
30	10	74	1330	0124	L.004		L.05	L.015	L.010	.05	L.002	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10HC0005** LAT. **63 D 57 M 0 S** LONG. **124 D 9 M 0 S**

UTM **10 444000E 7092000N**

BLACKWATER RIVER AT MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
26	02	74	1315	0124	L.001	.004		2.20	L.05	L.001		L.05
27	03	74	1430	0124	L.001	.001		4.40	L.05	.001		L.05
22	05	74	1320	0124	.004	.006	L.001 <sup>04L</sup>	.12	L.05	L.001		L.05
26	06	74	1840	0124	L.001	.003	L.001 <sup>04L</sup>	.21	L.05	.002		L.05
24	07	74	1620	0124	L.001	.001	L.001 <sup>04L</sup>	.41	L.05	.001		.13
12	09	74	1115	0124	L.001	.014	L.001 <sup>04L</sup>	L.01	L.10	.003		L.05
30	10	74	1330	0124	L.001	.11 <sup>04P</sup>	L.001 <sup>04L</sup>	1.0	L.10	.002		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
26	02	74	1315	0124	.10	.013	
27	03	74	1430	0124	.11	.014	
22	05	74	1320	0124	.08	L.005	
26	06	74	1840	0124	.09	L.005	
24	07	74	1620	0124	.06	L.005	
12	09	74	1115	0124	.08	.57	
30	10	74	1330	0124	.08	.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JA0001** LAT. **65 D 36 M 0 S** LONG. **117D 45 M 30 S**

UTM **11 465000E 7275000N**

CAMSELL RIVER AT OUTLET OF CLUT LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
19	04	75	1200	0001		17.1		124.		7.3	1.6	10.
24	06	75	1200	0001		22.5		101.		8.2	3.3	5.
06	08	75	1200	0001	13.9	21.8		206.		7.0	1.6	5.
10	09	75	0820	0001		20.1		116.		7.9	1.1	5.
16	01	76	1300	0001		24.8		133.		7.9	1.2	5.
12	05	76	1345	0001	1.0	21.		130.		7.6	.9	10.
16	06	76	1800	0001	3.0	21.		121.		7.8	1.8	5.
11	08	76	1100	0001		22.2		116.		7.9	3.1	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
19	04	75	1200	0001	L10.						49.2
24	06	75	1200	0001	17.						34.3
06	08	75	1200	0001	10.						41.4
10	09	75	0820	0001	21.						45.8
16	01	76	1300	0001	L10.						50.4
12	05	76	1345	0001	L10.						53.2
16	06	76	1800	0001	18.						47.0
11	08	76	1100	0001	14.						43.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
19	04	75	1200	0001	15.9		5.2	61.1	2.1	.6	2.1
24	06	75	1200	0001	11.4		3.1	41.1	1.6	.7	1.7
06	08	75	1200	0001	13.3		4.1	50.2	2.0	.9	1.9
10	09	75	0820	0001	14.7		4.7	56.0	2.2	1.0	2.2
16	01	76	1300	0001	17.		4.2	59.9	2.	1.	2.4
12	05	76	1345	0001	17.0		5.3	64.4	2.3	1.2	2.6
16	06	76	1800	0001	14.4		10.9	80.9	2.0	2.5	2.6
11	08	76	1100	0001	14.1		5.8	59.	2.6	.9	2.1

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10JA0001** LAT. **65 D 36 M 0 S** LONG. **117D 45 M 30 S**

UTM **11 465000E 7275000N**

CAMSELL RIVER AT OUTLET OF CLUT LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST				SUBM	F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
19	04	75	1200	0001	.13 <sup>06L</sup>	21.0	.7	77.		
24	06	75	1200	0001	.11 <sup>06L</sup>	5.	1.2	45.		
06	08	75	1200	0001	.11 <sup>06L</sup>	11.0	1.8	60.		
10	09	75	0820	0001	.13 <sup>06L</sup>	10.4 <sup>06L</sup>	1.0	64.		
16	01	76	1300	0001	.15 <sup>06L</sup>	15.4 <sup>06L</sup>	3.0	75.		
12	05	76	1345	0001	.15 <sup>06L</sup>	16. <sup>06L</sup>	1.3	78.		
16	06	76	1800	0001	.02 <sup>06L</sup>	.6 <sup>06L</sup>	1.4	63.		
11	08	76	1100	0001	.13 <sup>06L</sup>	8.7 <sup>06L</sup>	1.2	61.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST				SUBM	P	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
19	04	75	1200	0001					.027 <sup>11L</sup>	.6	.128	.70
24	06	75	1200	0001					L.005 <sup>11L</sup>	L.5	L.01	Q.51
06	08	75	1200	0001					.005 <sup>11L</sup>	L.5	L.01	Q.51
10	09	75	0820	0001					L.005 <sup>11L</sup>	L.5	.022	Q.52
16	01	76	1300	0001					.010 <sup>11L</sup>	.6	.074	.65
12	05	76	1345	0001					L.005	L.5	.03	Q.53
16	06	76	1800	0001					.005	.3	.01	.34
11	08	76	1100	0001					.020	.3	L.01	Q.30

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
19	04	75	1200	0001	L.001	L.1		L.01	.010	L.05 <sup>05P</sup>	L.001	L.001
24	06	75	1200	0001	L.005	L.1		L.01	L.01	L.05	L.001	L.005
06	08	75	1200	0001	L.005	L.1		L.01	L.01	L.05	L.001	L.005
10	09	75	0820	0001	L.005	L.1		L.01	L.01	L.05	L.001	L.005
16	01	76	1300	0001	L.005	L.1		L.01	L.01	.05	.002	L.005
12	05	76	1345	0001	L.005	L.1			L.01	L.05	L.001	L.005
16	06	76	1800	0001	L.005	L.1			L.01	L.05	L.001	L.005
11	08	76	1100	0001	L.005	L.1		L.01	L.01	L.05	.001	L.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JA0001** LAT. **65 D 36 M 0 S** LONG. **117 D 45 M 30 S**

UTM **11 465000E 7275000N**

CAMSELL RIVER AT OUTLET OF CLUT LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
19	04	75	1200	0001	L.001	.005			.01	L.001	L.1	
24	06	75	1200	0001	L.005	.007			L.05	L.001	L.1	
06	08	75	1200	0001	.004	.011			L.05	.022	L.1	
10	09	75	0820	0001	.001	.003			L.05	L.001	L.1	
16	01	76	1300	0001	.002	.008			L.05	.003	L.1	
12	05	76	1345	0001	L.001	L.001				L.001	L.1	
16	06	76	1800	0001	.008	.003				L.001	L.1	
11	08	76	1100	0001	.003	.009			L.05	L.001	L.1	



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JA0002** LAT. **65 D 36 M 40 S** LONG. **118 D 9 M 50 S**

UTM **11 446400E 7276800N**

CAMSELL RIVER AT MILL FRESHWATER  
INTAKE, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
16	07	74	1719	0001		26.5		118.		7.5	1.9	L5.
11	09	74	1650	0001		21.9		108.		7.8	.4	L5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
16	07	74	1719	0001				0.	52.	0.	43.0
11	09	74	1650	0001				0.	54.	.0	44.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
16	07	74	1719	0001	12.0		5.6	53.0	2.2	1.2	.4 <sup>06L</sup>
11	09	74	1650	0001	13.		4.5	51.	1.8	.8	2.2 <sup>06L</sup>

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	MG/L	C MG/L	C MG/L
16	07	74	1719	0001	.12	8.1 <sup>04L</sup>	1.2	56.	10.0	4.0
11	09	74	1650	0001	.12	8.1 <sup>06L</sup>	1.3	58.	10.	4.

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10JA0002** LAT. **65 D 36 M 40 S** LONG. **118 D 9 M 50 S**

UTM **11 446400E 7276800N**

CAMELL RIVER AT MILL FRESHWATER  
INTAKE, NORTHWEST TERRITORIES

		15313L	15101L	15363L	15255L	15413L	07002L	07106L	07602L	
		PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	PHOSPHORUS	NITROGEN	NITROGEN	NITROGEN	
		TOTAL	TOTAL	DISSOLVED	DISSOLVED	TOTAL	TOTAL	DISSOLVED	TOTAL	
SAMPLE DATE		INORG. PO4	DISSOLVED	INORG. PO4	ORTHO PO4		KJELDAHL	NO3 & NO2	(CALCD.)	
CST		P	P	P	P	P	N	N	N	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	
16	07	74	1719	0001			.010 <sup>06L</sup>	L.5	.020	Q.52
11	09	74	1650	0001			L.003 <sup>06L</sup>	.2	.02	.22

		82302P	13302P	23301P	24302P	25304P	26304P	27302P	28302P	
		LEAD	ALUMINUM	VANADIUM	CHROMIUM	MANGANESE	IRON	COBALT	NICKEL	
		EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	
SAMPLE DATE		PB	AL	V	CR	MN	FE	CO	NI	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	
16	07	74	1719	0001	.004	L.10	.015	L.01	.09	.003
11	09	74	1650	0001	L.004	L.06	L.015	L.010	L.04	.003

		29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P	
		COPPER	ZINC	ARSENIC	STRONTIUM	MOLYBDENUM	CADMIUM	BARIUM	MERCURY	
		EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	
SAMPLE DATE		CU	ZN	AS	SR	MO	CD	BA	HG	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	UG/L	
16	07	74	1719	0001	L.001	.005	.06	L.05	.001	L.1
11	09	74	1650	0001	.001	.001	.01	L.10	.001	L.1

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0001** LAT. **65 D 8 M 0 S** LONG. **123 D 31 M 0 S** UTM **10 476000E 7224000N**

GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN,

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG C.	DEG C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
17	05	76	1430	0001	0.	16.0		135.		7.9	1.	5.
12	08	76	1610	0001	12.	24.8		153.		8.0	3.5	5.
09	11	76	1105	0001	0.	20.4		169.		7.9	5.8	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
17	05	76	1430	0001	39.01P						51.4
12	08	76	1610	0001	L10.						51.
09	11	76	1105	0001	L10.						58.5

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
17	05	76	1430	0001	15.7		5.9	63.6	3.8	.7	4.7
12	08	76	1610	0001	16.0		6.6	67.	3.8	.6	4.6
09	11	76	1105	0001	18.5		6.4	72.5	4.3	.8	5.7

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	MG/L	C MG/L	C MG/L
17	05	76	1430	0001	.14 06L	13.5 06L	2.3	77.		
12	08	76	1610	0001	.09 06L	13.2 06L	2.3	78.		
09	11	76	1105	0001	.13 06L	15.0 06L	2.4	88.		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0001** LAT. **65 D 8 M 0 S** LONG. **123D 31 M 0 S**

UTM **10 476000E 7224000N**

GREAT BEAR RIVER AT OUTLET OF GREAT  
BEAR LAKE NEAR FORT FRANKLIN,

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
17	05	76	1430	0001					L.005	.6	.15	.75
12	08	76	1610	0001					L.005	.3	.04	.33
09	11	76	1105	0001					L.005	L.1	.09	Q.19

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
17	05	76	1430	0001	L.005	L.1			L.01	L.05	L.001	L.005
12	08	76	1610	0001	L.005	L.1		L.01	L.01	.08	L.001	L.005
09	11	76	1105	0001	L.005	L.1		L.015	L.01	.05	L.001	L.005

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
17	05	76	1430	0001	L.001	.002				L.001	L.1	
12	08	76	1610	0001	.001	.010			L.05	L.001	L.1	
09	11	76	1105	0001	L.001	.010			L.10	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0002** LAT. **64 D 55 M 0 S** LONG. **125 D 35 M 0 S** UTM **10 378000E 7201000N**

GREAT BEAR RIVER AT MOUTH NEAR FORT  
NORMAN, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
26	02	74	1520	0124	.3	17.2 <sup>61F</sup>	167.	145. <sup>41F</sup>	7.8	7.6 <sup>01F</sup>	.8 <sup>73F</sup>	
27	03	74	1645	0124	.3	22.0 <sup>61F</sup>	180.	192. <sup>41F</sup>	7.8	7.7 <sup>01F</sup>	1.0 <sup>73F</sup>	
22	05	74	1110	0124	2.5	21.6		159.	7.8	7.6	35.0	60.
26	06	74	2020	0124	12.0	27.7		188.	8.1	7.7	7.5	20.
24	07	74	1740	0124	12.5	22.8		252.	7.6	7.7	10.	L5.
12	09	74	1200	0124	14.0	20.3		328.		8.1	4.9	5.
30	10	74	1430	0124	.5	20.5		171.		8.2	1.5	L5.
18	08	75	1430	0001		24.1		147.		8.0	2.3	5.
05	11	75	1310	0001	0.	15.9		120.		7.5	3.0	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
26	02	74	1520	0124						0.	56.0 <sup>01F</sup>
27	03	74	1645	0124						0.	62.0 <sup>01F</sup>
22	05	74	1110	0124		76.	65.	0.	63.	.0	52.0
26	06	74	2020	0124				0.	71.	0.	58.0
24	07	74	1740	0124				0.	84.	0.	69.
12	09	74	1200	0124				0.	98.	.0	80.
30	10	74	1430	0124				0.	72.	.0	59.
18	08	75	1430	0001	11.						53.8
05	11	75	1310	0001	30.						53.5

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
26	02	74	1520	0124	19.0 <sup>01F</sup>			80.0 <sup>03F</sup>	5.3	.6	8.5 <sup>06L</sup>
27	03	74	1645	0124	23.0 <sup>01F</sup>			84.0 <sup>03F</sup>	9.2	.7	14.0 <sup>06L</sup>
22	05	74	1110	0124	18.0		4.9	65.0	5.2	.7	7.3 <sup>06L</sup>
26	06	74	2020	0124	17.0		8.1	76.0	8.2	.7	10.0 <sup>06L</sup>
24	07	74	1740	0124	22.		10.5	98.	14.	.7	20. <sup>06L</sup>
12	09	74	1200	0124	25.		11.3	109.	24.	.8	32. <sup>06L</sup>
30	10	74	1430	0124	19.		6.9	76.	5.0	.8	6.7 <sup>06L</sup>
18	08	75	1430	0001	15.2		7.0	66.9	3.8	.7	4.9
05	11	75	1310	0001	15.9		7.0	68.7	4.0	.7	5.0

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0002** LAT. **64 D 55 M 0 S** LONG. **125 D 35 M 0 S**

UTM **10 378000E 7201000N**

GREAT BEAR RIVER AT MOUTH NEAR FORT  
NORMAN, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1520	0124	.07	17.0 <sup>04L</sup>	2.5		10.0	3.0
27	03	74	1645	0124	.11	20.0 <sup>04L</sup>	2.7		15.0	4.0
22	05	74	1110	0124	.07	12.0 <sup>04L</sup>	2.3	82.	11.0	8.0
26	06	74	2020	0124	.07	16.0 <sup>04L</sup>	2.0	97.	13.0	4.0
24	07	74	1740	0124	.08	23. <sup>06L</sup>	2.2	134.	14.	3.
12	09	74	1200	0124	.06	35. <sup>06L</sup>	2.6	179.	14.	6.
30	10	74	1430	0124	.09	21. <sup>06L</sup>	2.7	98.	12.	2.
18	08	75	1430	0001	.08 <sup>06L</sup>	15.4 <sup>06L</sup>	1.9	81.		
05	11	75	1310	0001	.09 <sup>06L</sup>	14. <sup>06L</sup>	2.3	81.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1520	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.160 <sup>06F</sup>	
27	03	74	1645	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.180 <sup>06F</sup>	
22	05	74	1110	0124						L.5		
26	06	74	2020	0124						L.5		
24	07	74	1740	0124	.009	L.003 <sup>03L</sup>	.005 <sup>56L</sup>	L.003 <sup>56L</sup>	.010 <sup>06L</sup>	.3	.11	.41
12	09	74	1200	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	L.003 <sup>06L</sup>		.09	
30	10	74	1430	0124	.003 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.005 <sup>06L</sup>	.4	.15	.55
18	08	75	1430	0001					L.005 <sup>11L</sup>	L.5	.116	Q.62
05	11	75	1310	0001					.005 <sup>11L</sup>	L.5	.185	Q.69

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
CST					MN	FE	CU	PB	ZN	CR	NI
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
27	03	74	1645	0124							.002 <sup>02P</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0002** LAT. **64 D 55 M 0 S** LONG. **125D 35 M 0 S** UTM **10 378000E 7201000N**

GREAT BEAR RIVER AT MOUTH NEAR FORT  
NORMAN, NORTHWEST TERRITORIES

SAMPLE DATE						82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L	
26	02	74	1520	0124	.004		L.05	L.010	L.01	L.05	.004	.006	
27	03	74	1645	0124	.003		L.05	L.010	L.01	.07	L.001		
22	05	74	1110	0124	L.001		L.05	L.010	.06	1.60	.002	.007	
26	06	74	2020	0124	L.001		L.05	L.010	.02	.55	L.001	.005	
24	07	74	1740	0124	L.004		L.05	L.015	L.010	.22	L.002	.006	
12	09	74	1200	0124	L.004		L.05	L.015	L.010	.07	.003	.006	
30	10	74	1430	0124	L.004		L.05	L.015	L.010	.08	L.002	.005	
05	11	75	1310	0001	L.005	L.1			L.01	L.05	L.001	L.005	

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
26	02	74	1520	0124	.002	.003		.12	L.05	.002		.14	
27	03	74	1645	0124	L.001	.003		.22	L.05	.001		.05	
22	05	74	1110	0124	.004	.004	L.001 <sub>04L</sub>	.08	L.05	.002		L.05	
26	06	74	2020	0124	L.001	.004	L.001 <sub>04L</sub>	.36	L.05	.001		L.05	
24	07	74	1740	0124	.002	.004	L.001 <sub>04L</sub>	.38	L.10	.001		.08	
12	09	74	1200	0124	L.001	.002	L.001 <sub>04L</sub>	.32	L.10	.003		L.05	
30	10	74	1430	0124	L.001	.016	.001 <sub>04L</sub>	.08	L.10	.002		L.05	
05	11	75	1310	0001	.002	.007				L.001	L.1		

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L	
26	02	74	1520	0124	.03	L.005		
27	03	74	1645	0124	L.02	L.005		
22	05	74	1110	0124	.05	L.005		
26	06	74	2020	0124	L.02	L.005		
24	07	74	1740	0124	.02	L.005		
12	09	74	1200	0124	.03	L.005		
30	10	74	1430	0124	.02	L.005		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0003** LAT. **64 D 58 M 5 S** LONG. **125 D 27 M 5 S** UTM **10 384200E 7207000N**

GREAT BEAR RIVER ABOUT 100 METRES  
ABOVE BRACKETT RIVER

	02061S	02061L	02041S	02041L	10301S	10301L	02073L	02011L
	<b>TEMP.</b>	<b>TEMP.</b>	<b>SPECIFIC</b>	<b>SPECIFIC</b>	<b>PH</b>	<b>PH</b>	<b>TURBIDITY</b>	<b>COLOUR</b>
	<b>WATER</b>	<b>WATER</b>	<b>CONDUCT.</b>	<b>CONDUCT.</b>				<b>APPARENT</b>

**SAMPLE DATE**

				CST	SUBM							
D	M	Y	HR	ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
04	05	76	1230	0001		18.8		163.		7.5	2.1	5.

	08301L		10401L	10501L	06301L	06201L	10151L	10101L
	<b>OXYGEN</b>		<b>RESIDUE</b>	<b>RESIDUE</b>	<b>CARBONATE</b>	<b>BICARBONT.</b>	<b>ALKALINITY</b>	<b>ALKALINITY</b>
	<b>TOTAL COD</b>		<b>NONFILTR.</b>	<b>FIXED</b>	<b>(CALCD.)</b>	<b>(CALCD.)</b>	<b>PHENOL</b>	<b>TOTAL</b>
				<b>NONFILTR.</b>			<b>PTHALEIN</b>	

**SAMPLE DATE**

				CST	SUBM	O2					
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
04	05	76	1230	0001	33.						68.

	20101L	12102L	12101L	10603L		11103L	19103L	17203L
	<b>CALCIUM</b>	<b>MAGNESIUM</b>	<b>MAGNESIUM</b>	<b>HARDNESS</b>		<b>SODIUM</b>	<b>POTASSIUM</b>	<b>CHLORIDE</b>
	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>TOTAL</b>		<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>
			<b>(CALCD.)</b>					

**SAMPLE DATE**

				CST	SUBM	CA	MG	MG	CACO3	NA	K	CL
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
04	05	76	1230	0001	26.7		5.7	90.		6.3	.9	5.6

	09105L	16303L	14102L	00201L	06051L	06001L
	<b>FLUORIDE</b>	<b>SULPHATE</b>	<b>SILICA</b>	<b>TOTAL</b>	<b>CARBON</b>	<b>CARBON</b>
	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>REACTIVE</b>	<b>DISSOLVED</b>	<b>TOTAL</b>	<b>TOTAL</b>
				<b>SOLIDS</b>	<b>INORGANIC</b>	<b>ORGANIC</b>

**SAMPLE DATE**

				CST	SUBM	F	SO4	SIO2	(CALCD.)	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
04	05	76	1230	0001	.09 <sup>06L</sup>	13.8 <sup>06L</sup>	2.5	102.			

	15313L	15101L	15363L	15255L	15413L	07002L	07106L	07602L
	<b>PHOSPHORUS</b>	<b>PHOSPHORUS</b>	<b>PHOSPHORUS</b>	<b>PHOSPHORUS</b>	<b>PHOSPHORUS</b>	<b>NITROGEN</b>	<b>NITROGEN</b>	<b>NITROGEN</b>
	<b>TOTAL</b>	<b>TOTAL</b>	<b>DISSOLVED</b>	<b>DISSOLVED</b>	<b>TOTAL</b>	<b>TOTAL</b>	<b>DISSOLVED</b>	<b>TOTAL</b>
	<b>INORG. PO4</b>	<b>DISSOLVED</b>	<b>INORG. PO4</b>	<b>ORTHO PO4</b>		<b>KJELDAHL</b>	<b>NO3 &amp; NO2</b>	<b>(CALCD.)</b>

**SAMPLE DATE**

				CST	SUBM	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
04	05	76	1230	0001				L.005	L.5	.24		Q.74



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10JC0003** LAT. **64 D 58 M 5 S** LONG. **125 D 27 M 5 S**

UTM **10 384200E 7207000N**

GREAT BEAR RIVER ABOUT 100 METRES  
ABOVE BRACKETT RIVER

										82302P	13302P	23301P	24302P	25304P	26304P	27302P	28302P
										LEAD	ALUMINUM	VANADIUM	CHROMIUM	MANGANESE	IRON	COBALT	NICKEL
										EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.
SAMPLE DATE																	
CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI					
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L					
04	05	76	1230	0001	L.005	L.1			L.01	L.05	L.001	L.005					

										29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P
										COPPER	ZINC	ARSENIC	STRONTIUM	MOLYBDENUM	CADMIUM	BARIUM	MERCURY
										EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.
SAMPLE DATE																	
CST				SUBM	CU	ZN	AS	SR	MO	CD	BA	HG					
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L					
04	05	76	1230	0001	L.001	L.001				L.001	L.1						

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA0001** LAT. **65 D 16 M 54 S** LONG. **126D 50 M 57 S**

UTM **09 600300E 7241400N**

MACKENZIE RIVER AT NORMAN WELLS,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
14	01	74	1300	0001	3.3	15.8				7.8	5.5	25.
08	03	74	1300	0001	3.3	20.2		232.		7.7	4.2	15.
04	04	74	1300	0001	3.3	19.1		236.		7.8	4.0	10.
20	05	74	1200	0001	3.3	21.4		189.		7.8	150.	120.
10	06	74	1200	0001	7.0	24.4		204.		7.8	90.0	
16	07	74	1200	0001	7.0	24.9		221.		7.7	100.	110.
27	09	74	1200	0001		20.8		248.		8.0	72.	15.
29	10	74	1300	0001		23.6		255.		8.3	27.	L5.
18	11	74	1300	0001	2.2	19.8		277.		8.1	12.	L5.
27	12	74	1300	0001	3.3	19.5		190.		8.5	37.	60.
19	08	75	1326	0001		23.8		220.		8.1	50.	10.
07	11	75	1435	0001	0.	15.9		120.		7.5	3.0	5.
10	08	76	1443	0001	14.	23.5		210.		8.2	26.	G100.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
14	01	74	1300	0001		13.	10.				72.0
08	03	74	1300	0001		14.	11.	0.	91.	0.	75.0
04	04	74	1300	0001		2.	L1.	0.	93.	0.	76.0
20	05	74	1200	0001				0.	78.	0.	64.0
10	06	74	1200	0001				0.	88.	.0	72.0
16	07	74	1200	0001				0.	94.	0.	77.0
27	09	74	1200	0001				0.	102.	.0	84.
29	10	74	1300	0001				0.	108.	.0	89.
18	11	74	1300	0001				0.	117.	.0	96.
27	12	74	1300	0001				0.	102.	.0	84.
19	08	75	1326	0001	17.						80.9
07	11	75	1435	0001	L10.						90.7
10	08	76	1443	0001	22.						79.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
14	01	74	1300	0001	23.0		8.4	92.0	7.4	1.0	8.7
08	03	74	1300	0001	24.0		8.5	95.0	8.1	.9	9.5
04	04	74	1300	0001	25.0		9.6	102.	8.4	.9	10.0
20	05	74	1200	0001	29.0		3.1	85.0	4.5	1.2	6.5
10	06	74	1200	0001	27.0		6.7	95.0	5.7	.8	6.4
16	07	74	1200	0001	26.0		8.0	98.0	6.3	.8	7.1

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA001** LAT. **65 D 16 M 54 S** LONG. **126 D 50 M 57 S**

UTM **09 600300E 7241400N**

MACKENZIE RIVER AT NORMAN WELLS,  
NORTHWEST TERRITORIES

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	09	74	1200	0001	31.		7.7	109.	8.6	.8	9.9 <sup>06L</sup>
29	10	74	1300	0001	31.		7.9	110.	11.	1.0	9.3 <sup>06L</sup>
18	11	74	1300	0001	36.		9.7	130.	12.	.9	11. <sup>06L</sup>
27	12	74	1300	0001	29.		7.4	103.	14.	.8	11. <sup>06L</sup>
19	08	75	1326	0001	30.1		8.0	108.	6.0	.8	6.9
07	11	75	1435	0001	30.6		10.1	118.	9.5	1.3	11.2
10	08	76	1443	0001	32.		7.6	111.	7.0	1.0	7.3

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	MG/L	C MG/L	C MG/L
14	01	74	1300	0001		20.0 <sup>04L</sup>	3.4	115.		
08	03	74	1300	0001		21.0 <sup>04L</sup>				
04	04	74	1300	0001		23.0 <sup>04L</sup>				
20	05	74	1200	0001		18.0 <sup>04L</sup>				
10	06	74	1200	0001	.07	19.0 <sup>04L</sup>	3.1	112.	18.0	11.0
16	07	74	1200	0001	.06	23.0 <sup>04L</sup>	3.1	121.	18.0	10.0
27	09	74	1200	0001	.09	29. <sup>06L</sup>	3.0	140.		
29	10	74	1300	0001		30. <sup>06L</sup>	3.8	147.	15.	4.
18	11	74	1300	0001	.11	42. <sup>06L</sup>	3.3	173.	17.	6.
27	12	74	1300	0001	.14	28. <sup>06L</sup>	3.6	144.	21.	5.
19	08	75	1326	0001	.09 <sup>06L</sup>	16. <sup>06L</sup>	3.8	120.		
07	11	75	1435	0001	.09 <sup>06L</sup>	31.	3.5	152.		
10	08	76	1443	0001	.10 <sup>06L</sup>	23.0 <sup>06L</sup>	3.4	129.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
10	06	74	1200	0001					.130		.070	
16	07	74	1200	0001					.007	.6	.030	.63
27	09	74	1200	0001					.083 <sup>06L</sup>	.5	.03	.53
29	10	74	1300	0001					.094 <sup>06L</sup>	.3	.12	.45
18	11	74	1300	0001					.074 <sup>06L</sup>		.17	
27	12	74	1300	0001					.12 <sup>06L</sup>		.12	
19	08	75	1326	0001					.015 <sup>11L</sup>	L.5	.032	Q.53
07	11	75	1435	0001					.028 <sup>11L</sup>	L.5	.190	Q.69
10	08	76	1443	0001					.050	L.1	.02	Q.12

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA0001** LAT. **65 D 16 M 54 S** LONG. **126D 50 M 57 S**

UTM **09 600300E 7241400N**

MACKENZIE RIVER AT NORMAN WELLS,  
NORTHWEST TERRITORIES

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
D	M	Y	HR	SUBM ID	MN MG/L	FE MG/L	CU MG/L	PB MG/L	ZN MG/L	CR MG/L	NI MG/L
10	06	74	1200	0001	.06 04L	.13	.004 05L	L.001 03L	.004 05L		.006 02L

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
10	06	74	1200	0001		.25 02L		L.015 02L			.007 02L	
19	08	75	1326	0001	L.005	.55		L.01	.03	1.38	.001	L.005
07	11	75	1435	0001	L.005	.30		L.01	.02	.75	L.001	L.005
10	08	76	1443	0001	L.005	.55		L.01	.05	.78	.002	L.005

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
10	06	74	1200	0001				.16				
19	08	75	1326	0001	.010	.019			L.05	L.001	L.1 01L	
07	11	75	1435	0001	.004	.011			L.05	L.001	L.1	
10	08	76	1443	0001	.004	.016			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA0002** LAT. **65 D 10 M 0 S** LONG. **126 D 25 M 0 S**

UTM **09 621000E 7229000N**

MACKENZIE RIVER, 14.5 MILES ABOVE  
NORMAN WELLS, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
26	02	74	1615	0124	.3	17.2 <sup>61F</sup>	255.	220. <sup>41F</sup>	7.9	7.7 <sup>01F</sup>	3.5 <sup>73F</sup>	
27	03	74	1735	0124	.3	20.3 <sup>61F</sup>	215.	235. <sup>41F</sup>	8.0	7.8 <sup>01F</sup>	2.5 <sup>73F</sup>	
24	05	74	0905	0124	3.5	21.4		194.	8.0	7.7	112.	100.
26	06	74	2120	0124	14.0	21.7		195.	8.0	7.8	200.	
25	07	74	1345	0124	16.0	22.7		242.	7.7	7.7	300.	30.
12	09	74	1240	0124	14.0	20.2		260.		8.2	29.	20.
30	10	74	1510	0124	.3	20.5		270.		7.6	8.6	5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
26	02	74	1615	0124		7.	2.			0. <sup>51F</sup>	86.0 <sup>01F</sup>
27	03	74	1735	0124						0.	85.0 <sup>01F</sup>
24	05	74	0905	0124		221.	190.	0.	85.	.0	70.0
26	06	74	2120	0124				0.	94.	0.	77.0
25	07	74	1345	0124		2234.	2026.	0.	104.	0.	85.0
12	09	74	1240	0124				0.	108.	.0	89.
30	10	74	1510	0124				0.	105.	.0	86.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
26	02	74	1615	0124	34.0 <sup>01F</sup>			114. <sup>03F</sup>	9.4	1.0	12.0 <sup>06L</sup>
27	03	74	1735	0124	35.0 <sup>01F</sup>			112. <sup>03F</sup>	9.9	1.0	13.0 <sup>06L</sup>
24	05	74	0905	0124	28.0	3.4	84.0	4.6	4.6	.9	5.0 <sup>06L</sup>
26	06	74	2120	0124	29.0	6.0	97.0	4.8	4.8	.8	4.5 <sup>06L</sup>
25	07	74	1345	0124	35.0	7.2	117.	4.4	4.4	1.0	5.1 <sup>06L</sup>
12	09	74	1240	0124	31.		8.6	113.	6.9	.8	7.4 <sup>06L</sup>
30	10	74	1510	0124	36.		9.0	127.	8.1	1.1	8.5 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA0002** LAT. **65 D 10 M 0 S** LONG. **126 D 25 M 0 S**

UTM **09 621000E 7229000N**

MACKENZIE RIVER, 14.5 MILES ABOVE  
NORMAN WELLS, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1615	0124	.06	26.0 <sup>04L</sup>	3.6		18.0	5.0
27	03	74	1735	0124	.10	26.0 <sup>04L</sup>	3.5		20.0	5.0
24	05	74	0905	0124	.06	22.0 <sup>04L</sup>	3.0	109.	16.0	19.0
26	06	74	2120	0124	.06	18.0 <sup>04L</sup>	3.2	112.	24.0	13.0
25	07	74	1345	0124	.10	30. <sup>06L</sup>	3.2	137.	15.0	5.0
12	09	74	1240	0124	L.07	32. <sup>06L</sup>	3.4	144.	16.	6.
30	10	74	1510	0124	.08	37. <sup>06L</sup>	4.0	155.	16.	5.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1615	0124	.003 <sup>13F</sup>		.003 <sup>63F</sup>	.003 <sup>55F</sup>	.010 <sup>13F</sup>	L.5 <sup>01L</sup>	.140 <sup>06F</sup>	
27	03	74	1735	0124	.003 <sup>13F</sup>		.003 <sup>63F</sup>	.003 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.160 <sup>06F</sup>	
24	05	74	0905	0124						1.1		
26	06	74	2120	0124						.7		
25	07	74	1345	0124	.60 <sup>01L</sup>	L.003 <sup>03L</sup>	.004 <sup>56L</sup>	L.003 <sup>56L</sup>	.660 <sup>06L</sup>	2.5	.280	2.78
12	09	74	1240	0124	.008	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.008 <sup>06L</sup>		.02	
30	10	74	1510	0124	.009 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.013 <sup>06L</sup>	.4	.09	.49

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	02	74	1615	0124	.004		L.05	L.010	L.01	.11	.004	.003
27	03	74	1735	0124	.001		L.05	L.010	L.01	.11	L.001	.002
24	05	74	0905	0124	.004		L.05	L.010	.14	6.20		
26	06	74	2120	0124	.007		L.05	L.010	.20	5.20	.006	.014
25	07	74	1345	0124	.016		L.05	L.010	.96	24.0	.015	.045
12	09	74	1240	0124	L.004		L.05	L.015	.022	.41	.002	.006
30	10	74	1510	0124	.005		L.05	L.015	L.010	.26	L.002	.006

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KA0002** LAT. **65 D 10 M 0 S** LONG. **126 D 25 M 0 S**

UTM **09 621000E 7229000N**

MACKENZIE RIVER, 14.5 MILES ABOVE  
NORMAN WELLS, NORTHWEST TERRITORIES

	29305P <b>COPPER</b> EXTRBLE.	30305P <b>ZINC</b> EXTRBLE.	33103L <b>ARSENIC</b> DISSOLVED	38301P <b>STRONTIUM</b> EXTRBLE.	42301P <b>MOLYBDENUM</b> EXTRBLE.	48302P <b>CADMIUM</b> EXTRBLE.	56301P <b>BARIUM</b> EXTRBLE.	80311P <b>MERCURY</b> EXTRBLE.
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**SAMPLE DATE**

				SUBM	CU	ZN	AS	SR	MO	CD	BA	HG
				ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
<b>SAMPLE DATE</b>												
D	M	Y	HR									
26	02	74	1615	0124	L.001	.004		.18	L.05	.001		L.05
27	03	74	1735	0124	L.001	.002		.20	L.05	.001		L.05
24	05	74	0905	0124	.010	.011	L.001 04L	.13	L.05			L.05
26	06	74	2120	0124	.010	.030	L.001 04L	.20	L.05	.002		L.05
25	07	74	1345	0124	.042	.140	L.001 04L	.30	L.05	.004		L.05
12	09	74	1240	0124	L.001	.003	.001 04L	.16	L.10	.003		L.05
30	10	74	1510	0124	L.001	.004	L.001 04L	.16	L.10	.001		L.05

	05105L <b>BORON</b> DISSOLVED	03301P <b>LITHIUM</b> EXTRBLE.	06604P <b>CYANIDE</b> DISSOLVED
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**SAMPLE DATE**

				SUBM	B	LI	CN
				ID	MG/L	MG/L	MG/L
<b>SAMPLE DATE</b>							
D	M	Y	HR				
26	02	74	1615	0124	.06	.005	
27	03	74	1735	0124	.04	.006	
24	05	74	0905	0124	.09	.009	
26	06	74	2120	0124	.05	L.005	
25	07	74	1345	0124	.05	.016	
12	09	74	1240	0124	.03	L.005	
30	10	74	1510	0124	.04	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KC0002** LAT. **65 D 40 M 0 S** LONG. **128 D 54 M 0 S**

UTM **09 505000E 7283000N**

MOUNTAIN RIVER ABOUT 3 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
27	02	74	1010	0124	.3	17.2 <sup>61F</sup>	473.	423. <sup>41F</sup>	8.0	7.8 <sup>01F</sup>	1.5 <sup>73F</sup>	
28	03	74	1040	0124	.3	21.0 <sup>61F</sup>		467. <sup>41F</sup>	8.1	7.9 <sup>01F</sup>	.9 <sup>73F</sup>	
24	05	74	0945	0124	3.3	23.3		222.	7.8	7.8	180.	55.
27	06	74	0955	0124	12.0	16.2		317.	8.3	7.9	50.0	20.
25	07	74	1115	0124	14.0	22.6		242.	7.9	7.8	310.	5.
12	09	74	1340	0124	13.5	16.1		380.		8.2	27.	10.
31	10	74	1110	0124	.3	20.9		435.		8.0	1.4	L5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
27	02	74	1010	0124						0. <sup>51F</sup>	140. <sup>01F</sup>
28	03	74	1040	0124				0.	108.	0.	89.0
24	05	74	0945	0124		472.	398.	0.	89.	.0	73.0
27	06	74	0955	0124				0.	126.	0.	103.
25	07	74	1115	0124		3310.	3080.	0.	108.	0.	89.
12	09	74	1340	0124				0.	149.	.0	122.
31	10	74	1110	0124				0.	145.	.0	119.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	02	74	1010	0124	70.0 <sup>01F</sup>			252. <sup>03F</sup>	7.0	.7	8.7 <sup>06L</sup>
28	03	74	1040	0124	44.0		24.1	209.	7.5	.7	9.0 <sup>06L</sup>
24	05	74	0945	0124	31.0		6.7	105.	2.1	.6	1.9 <sup>06L</sup>
27	06	74	0955	0124	42.0		13.4	160.	2.9	.6	2.1 <sup>06L</sup>
25	07	74	1115	0124	33.		10.3	125.	2.6	.7	1.9 <sup>06L</sup>
12	09	74	1340	0124	51.		15.2	190.	4.6	.6	2.1 <sup>06L</sup>
31	10	74	1110	0124	76.		2.2	199.	6.7	.7	4.4 <sup>06L</sup>



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KC0002** LAT. **65 D 40 M 0 S** LONG. **128 D 54 M 0 S** UTM **09 505000E 7283000N**

MOUNTAIN RIVER ABOUT 3 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
27	02	74	1010	0124	.09	116.04L	3.4		22.0	L.5
28	03	74	1040	0124	.13	113.04L	3.6	255.	29.	3.
24	05	74	0945	0124	.05	37.04L	1.8	125.	16.0	8.0
27	06	74	0955	0124	.07	54.04L	2.3	179.	23.0	3.0
25	07	74	1115	0124	.06	30.06L	2.4	134.	14.	2.
12	09	74	1340	0124	L.05	76.06L	2.9	226.	26.	3.
31	10	74	1110	0124	.08	89.06L	3.3	254.	22.	2.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTH. PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
27	02	74	1010	0124	L.003 13F		L.001 63F	L.002 55F	L.005 13F	L.5 01L	.220 06F	
28	03	74	1040	0124	L.003 13F		L.001 63F	.005 55F		L.5 01L	.240 06F	
24	05	74	0945	0124						1.1		
27	06	74	0955	0124						L.5		
25	07	74	1115	0124		L.003 03L	L.003 56L	L.003 56L	.92 06L	2.6	.23	2.83
12	09	74	1340	0124	.003	L.003 03L	L.003 56L	L.003 56L	.003 06L		.22	
31	10	74	1110	0124	.005 01L	L.003 03L	L.003 56L	L.003 56L	.006 06L	.1	.21	.31

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
27	02	74	1010	0124	.004		L.05	L.010	L.01	.07	.003	.006
28	03	74	1040	0124	.003		L.05	L.010	L.01	.06	L.001	.003
24	05	74	0945	0124	L.001		L.05	L.010	.18	7.90		
27	06	74	0955	0124	.004		L.05	L.010	.04	1.20	.003	.008
25	07	74	1115	0124	.013		L.05	L.015	.88	26.0	.016	.039
12	09	74	1340	0124	.005		L.05	L.015	.016	.51	.003	.007
31	10	74	1110	0124	L.004		L.05	L.015	L.010	.13	.002	.005

DETAILED WATER QUALITY DATA 1974-1976

NORTHWEST TERRITORIES

STATION **00NW10KC0002** LAT. **65 D 40 M 0 S** LONG. **128 D 54 M 0 S**

UTM **09 505000E 7283000N**

MOUNTAIN RIVER ABOUT 3 MILES FROM MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
27	02	74	1010	0124	.002	.004		.56	L.05	.001		.05
28	03	74	1040	0124	L.001	.002		.60	L.05	.001		L.05
24	05	74	0945	0124	.010	.026	L.001 04L	.20	L.05			L.05
27	06	74	0955	0124	.001	.011	L.001 04L	.36	L.05	.002		L.05
25	07	74	1115	0124	.033	.13	L.001 04L	.45	L.10	.001		L.05
12	09	74	1340	0124	L.001	.020	L.001 04L	.32	L.10	.003		L.05
31	10	74	1110	0124	L.001	.036	L.001 04L	.42	L.10	.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
27	02	74	1010	0124	.05	.005	
28	03	74	1040	0124	.05	.006	
24	05	74	0945	0124	.04	.009	
27	06	74	0955	0124	L.02	L.005	
25	07	74	1115	0124	.04	.013	
12	09	74	1340	0124	L.02	.005	
31	10	74	1110	0124	.02	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KD001** LAT. **66 D 10 M 0 S** LONG. **129 D 6 M 30 S**

UTM **09 495100E 7338300N**

RAMPARTS RIVER ABOUT 2.5 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
24	05	74	1020	0124	2.6	21.6		104.	7.2	7.3	225.	120.
27	06	74	1020	0124	16.0	20.9		172.	8.2	7.8	92.0	30.
25	07	74	1145	0124	16.5	22.8		242.	7.8	7.6	300.	10.
12	09	74	1410	0124	10.5	16.1		218.		7.8	72.	
31	10	74	1140	0124	.3	21.1		274.		7.4	5.6	65.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
24	05	74	1020	0124		1012.	924.	0.	40.	.0	33.0
27	06	74	1020	0124				0.	69.	0.	57.0
25	07	74	1145	0124		2110.	1916.	0.	102.	0.	84.
12	09	74	1410	0124				0.	74.	.0	61.
31	10	74	1140	0124		5.	2.	0.	107.	.0	88.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
24	05	74	1020	0124	17.0		1.6	49.0	1.6	.7	1.7 06L
27	06	74	1020	0124	23.0		6.2	83.0	2.9	.6	1.7 06L
25	07	74	1145	0124	32.		11.0	125.	2.5	.7	.9 06L
12	09	74	1410	0124	30.		5.4	97.	3.3	.5	.9 06L
31	10	74	1140	0124	58.		1.7	152.	5.5	.8	2.1 06L

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
24	05	74	1020	0124	.06	14.0 04L	1.6	58.	7.0	19.0
27	06	74	1020	0124	.09	27.0 04L	1.9	98.	13.0	10.0
25	07	74	1145	0124	.12	36. 06L	2.7	136.	13.	4.
12	09	74	1410	0124	L.05	30. 06L	2.7	109.	12.	14.
31	10	74	1140	0124	.09	45. 06L	2.9	169.	15.	13.

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10KD0001** LAT. **66 D 10 M 0 S** LONG. **129 D 6 M 30 S** UTM **09 495100E 7338300N**

RAMPARTS RIVER ABOUT 2.5 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE			15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
24	05	74						2.6		
27	06	74						.7		
25	07	74	.88	.006 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.92 <sup>06L</sup>	3.3	.08	3.38
12	09	74	.043	.016 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.055 <sup>06L</sup>		.05	
31	10	74	.009 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.017 <sup>06L</sup>	.5	.08	.58

SAMPLE DATE			82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
24	05	74	.010		L.05	L.010	.35	24.0	.011	.028
27	06	74	L.001		L.05	L.010	.05	1.90	.003	.007
25	07	74	.016		L.05	L.015	.99	31.2	.022	.044
12	09	74	.005		L.05	L.015	.040	1.7	.003	.009
31	10	74	L.004		L.05	L.015	.036	.81	L.002	.007

SAMPLE DATE			29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
24	05	74	.030	.060	L.001 <sup>04L</sup>	.03	L.05	.001		L.05
27	06	74	.004	.140	L.001 <sup>04L</sup>	.10	L.05	.001		L.05
25	07	74	.052	.13 <sup>04P</sup>	L.001 <sup>04L</sup>	.11	L.10	.002		L.05
12	09	74	.003	.011	L.001 <sup>04L</sup>	.04	L.10	.003		L.05
31	10	74	.002	.094	L.001 <sup>04L</sup>	.06	L.10	.001		L.05

SAMPLE DATE			05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	B MG/L	LI MG/L	CN MG/L
24	05	74	.10	.019	
27	06	74	.04	L.005	
25	07	74	.04	.022	
12	09	74	.09	.005	
31	10	74	.08	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0003** LAT. **67 D 21 M 30 S** LONG. **133 D 33 M 30 S**

UTM **08 561900E 7471900N**

MACKENZIE RIVER ABOVE ARTIC RED RIVER  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
20	02	74	1420	0124	.3	15.6 <sup>61F</sup>	335.	242. <sup>41F</sup>		7.8 <sup>01F</sup>	6.3 <sup>73F</sup>	
28	03	74	1420	0124	.3	21.8 <sup>61F</sup>	155.	282. <sup>41F</sup>	8.1	7.9 <sup>01F</sup>	6.5 <sup>73F</sup>	
29	05	74	1510	0124	3.8	20.4		165.	7.8	7.9	170.	80.
29	06	74	1050	0124	12.0	21.7		221.	8.0	7.7	180.	
25	07	74	2030	0124	16.0	23.9	160.	238.	7.7	7.8		5.
12	09	74	2110	0124	7.5	23.4		247.		8.0	55.	20.
01	11	74	1340	0124	.3	17.7		270.		7.9	4.0	L5.
12	05	75	1310	0001		14.2		311.		7.7	19.	45.
09	07	75	0000	0001		25.9		191.		8.0	185.	20.
29	07	75	1640	0001	17.	21.3		221.		8.1	105.	10.
20	11	75	1600	0001		22.8		313.		7.9	8.0	20.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
20	02	74	1420	0124		19.	15.			0.	100. <sup>01F</sup>
28	03	74	1420	0124		13.	8.			0.	98.0 <sup>01F</sup>
29	05	74	1510	0124		546.	458.	0.	85.	0.	70.0
29	06	74	1050	0124		488.	457.	0.	96.	0.	79.0
25	07	74	2030	0124		402.	338.	0.	101.	.0	83.
12	09	74	2110	0124				0.	112.	.0	92.
01	11	74	1340	0124				0.	117.	.0	96.
12	05	75	1310	0001	27.						88.4
09	07	75	0000	0001	20.						81.6
29	07	75	1640	0001	21.						81.4
20	11	75	1600	0001	L10.						101.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
20	02	74	1420	0124	40.0 <sup>01F</sup>			126. <sup>03F</sup>	10.0	1.0	13.0 <sup>06L</sup>
28	03	74	1420	0124	43.0 <sup>01F</sup>			129. <sup>03F</sup>	11.0	1.0	16.0 <sup>06L</sup>
29	05	74	1510	0124	31.0		3.5	92.0	5.1	1.1	5.2 <sup>06L</sup>
29	06	74	1050	0124	30.0		6.6	102.	5.1	.8	4.2 <sup>06L</sup>
25	07	74	2030	0124	31.		7.9	110.	6.3	.8	6.5 <sup>06L</sup>
12	09	74	2110	0124	35.		6.9	116.	7.0	.8	7.0 <sup>06L</sup>
01	11	74	1340	0124	34.		10.2	127.	7.9	1.0	7.7 <sup>06L</sup>
12	05	75	1310	0001	36.2		12.8	143.	14.4	1.7	16.5
09	07	75	0000	0001	35.7		4.6	108.	5.5	1.1	5.3

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0003** LAT. **67 D 21 M 30 S** LONG. **133 D 33 M 30 S**

UTM **08 561900E 7471900N**

MACKENZIE RIVER ABOVE ARTIC RED RIVER  
NORTHWEST TERRITORIES

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
29	07	75	1640	0001	31.0		6.7	105.	4.2	1.1	5.9
20	11	75	1600	0001	40.7		12.0	151.	11.1	1.2	10.9

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
20	02	74	1420	0124	.11	33.0 <sup>04L</sup>	3.8		20.0	6.0
28	03	74	1420	0124	.11	34.0 <sup>04L</sup>	3.9		21.0	6.0
29	05	74	1510	0124	.07	22.0 <sup>04L</sup>	2.8	113.	14.0	10.0
29	06	74	1050	0124	.08	22.0 <sup>04L</sup>	3.4	119.	24.0	16.0
25	07	74	2030	0124	.07	31.0 <sup>06L</sup>	2.9	136.	19.	6.
12	09	74	2110	0124	.13	37.0 <sup>06L</sup>	3.5	152.	20.	6.
01	11	74	1340	0124	.08	33.0 <sup>06L</sup>	4.0	155.	16.	5.
12	05	75	1310	0001	.08 <sup>06L</sup>	39.0	3.7	177.		
09	07	75	0000	0001	.11 <sup>06L</sup>		4.1			
29	07	75	1640	0001	.07 <sup>06L</sup>	31.	5.6	134.		
20	11	75	1600	0001	.09 <sup>06L</sup>	62.	3.8	202.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
20	02	74	1420	0124	.013 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.020 <sup>13F</sup>	L.5 <sup>01L</sup>	.130 <sup>06F</sup>	
28	03	74	1420	0124	.010 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.016 <sup>13F</sup>	L.5 <sup>01L</sup>	.140 <sup>06F</sup>	
29	05	74	1510	0124	.27		.004	L.002	.310	1.2	.200	1.40
29	06	74	1050	0124					.200	.9	.120	1.02
25	07	74	2030	0124					.15 <sup>06L</sup>	1.1	.02	1.12
12	09	74	2110	0124		.009 <sup>03L</sup>	.005 <sup>56L</sup>	.004 <sup>56L</sup>			.25	
01	11	74	1340	0124	.006 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.008 <sup>06L</sup>	.3	.09	.39
12	05	75	1310	0001					L.005 <sup>11L</sup>	L.5	.18	Q.68
09	07	75	0000	0001					L.005 <sup>11L</sup>	L.5	.05	Q.55
29	07	75	1640	0001					.133 <sup>11L</sup>	L.5	.058	Q.56
20	11	75	1600	0001					.014 <sup>11L</sup>	.6		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0003** LAT. **67 D 21 M 30 S** LONG. **133D 33 M 30 S**

UTM **08 561900E 7471900N**

MACKENZIE RIVER ABOVE ARTIC RED RIVER  
NORTHWEST TERRITORIES

82302P	13302P	23301P	24302P	25304P	26304P	27302P	28302P
<b>LEAD</b>	<b>ALUMINUM</b>	<b>VANADIUM</b>	<b>CHROMIUM</b>	<b>MANGANESE</b>	<b>IRON</b>	<b>COBALT</b>	<b>NICKEL</b>
EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
20	02	74	1420	0124	.003		L.05	L.010	.01	.23	.004	.007
28	03	74	1420	0124	.004		L.05	L.010	L.01	.28	.001	.003
29	05	74	1510	0124	L.001		L.05	L.010	.20	7.80	.010	.014
29	06	74	1050	0124	.007		L.05	L.010	.21	4.30	.006	.013
25	07	74	2030	0124	.005		L.05	L.015	.19	5.9	.003	.015
12	09	74	2110	0124	L.004		L.05	L.015	.050	.72	.002	.006
01	11	74	1340	0124	L.004		L.05	L.015	L.010	.10	.002	.004
12	05	75	1310	0001	L.004	.13		L.01	.044	.925	.001	L.002
09	07	75	0000	0001	.01	5.5		L.01	.655	11.4	.014 <sup>01P</sup>	.033
29	07	75	1640	0001	L.05 <sup>01P</sup>	1.8		L.01	.10	4.1	L.01 <sup>01P</sup>	L.05 <sup>01P</sup>
20	11	75	1600	0001	L.005	L.1			L.01	.20	L.001	L.005

29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P
<b>COPPER</b>	<b>ZINC</b>	<b>ARSENIC</b>	<b>STRONTIUM</b>	<b>MOLYBDENUM</b>	<b>CADMIUM</b>	<b>BARIUM</b>	<b>MERCURY</b>
EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

CST				SUBM	CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
20	02	74	1420	0124	.004	.003		.20	L.05	.001		L.05
28	03	74	1420	0124	.001	.005		.25	L.05	.001		L.05
29	05	74	1510	0124	.009	.035	L.001 <sup>04L</sup>	.15	L.05	.001		L.05
29	06	74	1050	0124	.008	.031		.23	L.05	.002		L.05
25	07	74	2030	0124	.009	.024	.001 <sup>04L</sup>	.20	L.10	.002		L.05
12	09	74	2110	0124	L.001	.047	.001 <sup>04L</sup>	.16	L.10	.001		L.05
01	11	74	1340	0124	.001	.005	.001 <sup>04L</sup>	.15	L.10	.001		L.05
12	05	75	1310	0001	.002	L.01 <sup>04P</sup>			L.05	L.001	L.1	
09	07	75	0000	0001	.026	.10			L.05	L.001 <sup>01P</sup>	.4	
29	07	75	1640	0001	.011 <sup>06P</sup>	.02 <sup>04P</sup>			L.05	L.01 <sup>01P</sup>	L.1	
20	11	75	1600	0001	.002	.016				L.001	L.1	

05105L	03301P	06604P
<b>BORON</b>	<b>LITHIUM</b>	<b>CYANIDE</b>
DISSOLVED	EXTRBLE.	DISSOLVED

SAMPLE DATE

CST				SUBM	B	LI	CN
D	M	Y	HR	ID	MG/L	MG/L	MG/L
20	02	74	1420	0124		L.005	
28	03	74	1420	0124	.07	.006	
29	05	74	1510	0124	.09	.009	
29	06	74	1050	0124		L.005	
25	07	74	2030	0124	.03	.005	
12	09	74	2110	0124	.04	.005	
01	11	74	1340	0124	.04	L.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0004** LAT. **67 D 26 M 0 S** LONG. **133 D 46 M 0 S**

UTM **08 553000E 7480000N**

ARCTIC RED RIVER ABOUT 1.5 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
20	02	74	1320	0124	.3	16.0 <sup>61F</sup>		475. <sup>41F</sup>		7.4 <sup>01F</sup>	3.1 <sup>73F</sup>	
28	03	74	1400	0124	.3	22.6 <sup>61F</sup>	515.	540. <sup>41F</sup>	7.5	7.7 <sup>01F</sup>	1.8 <sup>73F</sup>	
29	05	74	1520	0124	4.4	20.4 <sup>61F</sup>		149. <sup>41F</sup>	7.2	7.5 <sup>01F</sup>	110. <sup>73F</sup>	
29	06	74	1100	0124	11.0	21.9		301.	7.8	8.0	86.0	
25	07	74	2020	0124	14.5	23.9		294.	7.7	7.6		40.
12	09	74	2100	0124	10.0	22.9		319.		7.8	73.	
01	11	74	1325	0124	.3	17.2		429.		7.6	4.4	30.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
20	02	74	1320	0124		L1.	L1.			0.	184. <sup>01F</sup>
28	03	74	1400	0124						0.	170. <sup>01F</sup>
29	05	74	1520	0124		120.	68.			0. <sup>51F</sup>	54.0 <sup>01F</sup>
29	06	74	1100	0124		106.	74.	0.	116.	0.	95.0
25	07	74	2020	0124		370.	326.	0.	108.	0.	89.
12	09	74	2100	0124				0.	122.	.0	100.
01	11	74	1325	0124				0.	140.	.0	115.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
20	02	74	1320	0124	95.0 <sup>01F</sup>			298. <sup>03F</sup>	8.0	.7	2.9 <sup>06L</sup>
28	03	74	1400	0124	64.0 <sup>01F</sup>			290. <sup>03F</sup>	7.8	.7	1.9 <sup>06L</sup>
29	05	74	1520	0124	25.0 <sup>01F</sup>			85.0 <sup>03F</sup>	2.7	1.6	2.7 <sup>06L</sup>
29	06	74	1100	0124	42.0		11.2	151.	2.6	.6	.6 <sup>06L</sup>
25	07	74	2020	0124	40.		11.7	148.	2.2	.6	.8 <sup>06L</sup>
12	09	74	2100	0124	43.		14.7	168.	4.0	.5	.8 <sup>06L</sup>
01	11	74	1325	0124	59.		18.1	222.	6.6	.7	1.5 <sup>06L</sup>



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0004** LAT. **67 D 26 M 0 S** LONG. **133 D 46 M 0 S** UTM **08 553000E 7480000N**

ARCTIC RED RIVER ABOUT 1.5 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
20	02	74	1320	0124	.12	131.04L	4.3		31.0	3.0
28	03	74	1400	0124	.12	134.04L	4.2		37.0	3.0
29	05	74	1520	0124	.06	23.04L	1.9		13.0	14.0
29	06	74	1100	0124	.08	59.04L	2.6	176.	25.0	5.0
25	07	74	2020	0124	.09	63.06L	2.7	174.	20.	7.
12	09	74	2100	0124	.08	84.06L	2.9	210.	20.	7.
01	11	74	1325	0124	.39	99.06L	3.4	257.	20.	9.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
20	02	74	1320	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	L.002 <sup>55F</sup>	.009 <sup>13F</sup>	L.5 <sup>01L</sup>	.100 <sup>06F</sup>	
28	03	74	1400	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.150 <sup>06F</sup>	
29	05	74	1520	0124	.12		.007	.003	.180	1.1	.020	1.12
29	06	74	1100	0124					.100	L.5	.110	Q.61
25	07	74	2020	0124					.27 <sup>06L</sup>	5.7	.05	5.75
12	09	74	2100	0124		L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>			.04	
01	11	74	1325	0124	.007 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.014 <sup>06L</sup>	.5	.14	.64

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
20	02	74	1320	0124	.004		L.05	L.010	.02	.19	.005	.006
28	03	74	1400	0124	.003		L.05	L.010	.02	.11	.001	.004
29	05	74	1520	0124	L.001		L.05	L.010	.05	4.10	.010	.007
29	06	74	1100	0124	L.001		L.05	L.010	.05	1.70	.005	.003
25	07	74	2020	0124	.014		L.05	L.015	1.3	34.5	.027	.074
12	09	74	2100	0124	L.004		L.05	L.015	.068	2.5	.004	.008
01	11	74	1325	0124	L.004		L.05	L.015	.015	.35	.002	.007

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LA0004** LAT. **67 D 26 M 0 S** LONG. **133 D 46 M 0 S**

UTM **08 553000E 7480000N**

ARCTIC RED RIVER ABOUT 1.5 MILES FROM  
MOUTH, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
20	02	74	1320	0124	L.001	.004		.25	L.05	.002		.51
28	03	74	1400	0124	L.001	.001		.24	L.05	L.001		L.05
29	05	74	1520	0124	.009	.026	L.001 04L	.10	L.05	.002		L.05
29	06	74	1100	0124	.002	.016		.15	L.05	.002		L.05
25	07	74	2020	0124	.075	.25	L.001 04L	.52	L.10	.002		L.05
12	09	74	2100	0124	.003	.015	.001 04L	.12	L.10	.002		L.05
01	11	74	1325	0124	.003	.008	L.001 04L	.14	L.10	L.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
20	02	74	1320	0124	.06	.008	
28	03	74	1400	0124	.09	.010	
29	05	74	1520	0124	.08	.008	
29	06	74	1100	0124		L.005	
25	07	74	2020	0124	.05	.023	
12	09	74	2100	0124	.04	.007	
01	11	74	1325	0124	.07	.008	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LB002** LAT. **66 D 14 M 30 S** LONG. **128 D 43 M 0 S**

UTM **09 512700E 7346700N**

MACKENZIE RIVER ABOUT 2.5 MILES ABOVE  
FORT GOOD HOPE, NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	CST ID	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
27	02	74	1145	0124	0124	.3	17.8 <sup>61F</sup>	260.	250. <sup>41F</sup>	8.0	7.8 <sup>01F</sup>	4.3 <sup>73F</sup>	
28	03	74	1130	0124	0124	.3	21.2 <sup>61F</sup>	250.	270. <sup>41F</sup>	8.1	7.9 <sup>01F</sup>	3.4 <sup>73F</sup>	
24	05	74	1140	0124	0124	1.4	21.9		192.	7.8	7.6	110.	
27	06	74	1105	0124	0124	14.0	22.4		207.	7.9	7.9	170.	
25	07	74	1200	0124	0124	15.0	22.9		255.	7.8	7.7	240.	25.
12	09	74	1420	0124	0124	11.2	16.7		263.		8.2	43.	30.
31	10	74	1150	0124	0124	.3	21.1		259.		8.0	7.7	10.

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	CST ID	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
27	02	74	1145	0124	0124		3.	L1.			0. <sup>51F</sup>	96.0 <sup>01F</sup>
28	03	74	1130	0124	0124		6.	5.			0.	95.0 <sup>01F</sup>
24	05	74	1140	0124	0124		179.	147.	0.	82.	.0	67.0
27	06	74	1105	0124	0124				0.	94.	0.	77.0
25	07	74	1200	0124	0124		2978.	2726.	0.	108.	0.	89.
12	09	74	1420	0124	0124				0.	110.	.0	90.0
31	10	74	1150	0124	0124		14.	10.	0.	113.	.0	93.

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	CST ID	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	02	74	1145	0124	0124	39.0 <sup>01F</sup>			128. <sup>03F</sup>	9.0	1.1	10.0 <sup>06L</sup>
28	03	74	1130	0124	0124	40.0 <sup>01F</sup>			125. <sup>03F</sup>	11.0	1.0	14.0 <sup>06L</sup>
24	05	74	1140	0124	0124	29.0		3.1	85.0	4.4	1.0	4.9
27	06	74	1105	0124	0124	29.0		6.7	100.	5.2	.8	5.5 <sup>06L</sup>
25	07	74	1200	0124	0124	35.		10.1	129.	5.3	.8	5.0 <sup>06L</sup>
12	09	74	1420	0124	0124	34.		13.6	141.	7.1	.8	6.6 <sup>06L</sup>
31	10	74	1150	0124	0124	50.		1.5	131.	7.9	1.0	8.1 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LB0002** LAT. **66 D 14 M 30 S** LONG. **128D 43 M 0 S**

UTM **09 512700E 7346700N**

MACKENZIE RIVER ABOUT 2.5 MILES ABOVE  
FORT GOOD HOPE, NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
27	02	74	1145	0124	.25		4.5			
28	03	74	1130	0124	.10	31.0 <sup>04L</sup>	3.8		21.0	6.0
24	05	74	1140	0124	.05	17.0 <sup>04L</sup>	3.0	103.	14.0	17.0
27	06	74	1105	0124	.06	22.0 <sup>04L</sup>	3.2	119.	20.0	13.0
25	07	74	1200	0124	.11	31.0 <sup>06L</sup>	3.1	144.	14.	5.
12	09	74	1420	0124	.18	37.0 <sup>06L</sup>	3.5	157.	17.	8.
31	10	74	1150	0124	.08	29.0 <sup>06L</sup>	3.9	157.	16.	5.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
27	02	74	1145	0124	.006 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	.013 <sup>13F</sup>		.040 <sup>06F</sup>	
28	03	74	1130	0124	.007 <sup>13F</sup>		.007 <sup>63F</sup>	.004 <sup>55F</sup>	.010 <sup>13F</sup>	L.5 <sup>01L</sup>	.150 <sup>06F</sup>	
24	05	74	1140	0124						1.0		
27	06	74	1105	0124						.7		
25	07	74	1200	0124		L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>		3.9	.06	3.96
12	09	74	1420	0124	.017	.006 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.017 <sup>06L</sup>		.04	
31	10	74	1150	0124	.013 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.022 <sup>06L</sup>	.2	.10	.30

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
27	02	74	1145	0124	.004		L.05	L.010	L.01	.13	.004	.004
28	03	74	1130	0124	.003		L.05	L.010	L.01	.20	.001	.003
24	05	74	1140	0124	.004		L.05	L.010	.15	6.00	.002	.009
27	06	74	1105	0124	.005		L.05	L.010	.17	4.20	.004	.014
25	07	74	1200	0124	.012		L.05	L.015	1.3	16.7	.018	.056
12	09	74	1420	0124	.005		L.05	L.015	.039	.72	.003	.007
31	10	74	1150	0124	L.004		L.05	L.015	L.010	.21	L.002	.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LB0002** LAT. **66 D 14 M 30 S** LONG. **128 D 43 M 0 S**

UTM **09 512700E 7346700N**

MACKENZIE RIVER ABOUT 2.5 MILES ABOVE  
FORT GOOD HOPE, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
27	02	74	1145	0124	L.001	.005		.22	L.05	.002		L.05
28	03	74	1130	0124	.001	.002		.22	L.05	.001		L.05
24	05	74	1140	0124	.008	.013	L.001 04L	.13	L.05	L.001		L.05
27	06	74	1105	0124	.007	.010	L.001 04L	.20	L.05	.002		L.05
25	07	74	1200	0124	.041	.22	L.001 04L	.45	L.10	.007		L.05
12	09	74	1420	0124	.003	.016	.001 04L	.18	L.10	.003		L.05
31	10	74	1150	0124	.002	.044	.001 04L	.16	L.10	.001		L.05

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L
27	02	74	1145	0124	.08	.005	
28	03	74	1130	0124	.04	.007	
24	05	74	1140	0124	.09	.007	
27	06	74	1105	0124	.04	L.005	
25	07	74	1200	0124	.05	.015	
12	09	74	1420	0124	.05	.005	
31	10	74	1150	0124	.03	.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LD002** LAT. **66 D 18 M** LONG. **128 D 34 M** UTM **09 520000E 7354000N**

HARE INDIAN RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL UNITS
27	02	74	1215	0124	.3	16.8 <sup>61F</sup>		1435.	7.9	7.7 <sup>01F</sup>	1.0 <sup>73F</sup>	
28	03	74	1150	0124	.3	20.8 <sup>61F</sup>		1320. <sup>41F</sup>	7.8	7.9 <sup>01F</sup>	.8 <sup>73F</sup>	
24	05	74	1130	0124	5.2	18.5		276.	8.0	7.8	19.0	20.
27	06	74	1145	0124	15.0	17.3		573.	7.5	8.0	2.5	30.
25	07	74	1210	0124	16.5	22.9		790.	8.3	8.1	1.0	5.
12	09	74	1430	0124	10.5	16.1		704.		8.2	1.5	10.
31	10	74	1200	0124	.3	21.0		885.		7.8	.6	L5.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
27	02	74	1215	0124				0.	123.	0.	101.
28	03	74	1150	0124						0.	169. <sup>01F</sup>
24	05	74	1130	0124		15.	5.			.0	
27	06	74	1145	0124				0.	139.	0.	114.
25	07	74	1210	0124				0.	160.	0.	131.
12	09	74	1430	0124				0.	44.	.0	36.
31	10	74	1200	0124				0.	189.	.0	155.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
27	02	74	1215	0124	37.0		8.4	127.	11.0	1.0	14.0 <sup>06L</sup>
28	03	74	1150	0124	276.		27.9	804.	6.7	1.2	7.1 <sup>06L</sup>
24	05	74	1130	0124	42.0		7.6	136.	1.8	.8	2.7 <sup>06L</sup>
27	06	74	1145	0124	101.		16.0	318.	4.5	.7	4.9 <sup>06L</sup>
25	07	74	1210	0124	142.		18.6	431.	5.3	.8	6.2 <sup>06L</sup>
12	09	74	1430	0124	126.		17.8	388.	5.3	.8	5.2 <sup>06L</sup>
31	10	74	1200	0124	198.		6.0	519.	6.3	1.0	6.7 <sup>06L</sup>

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LD0002** LAT. **66 D 18 M**

LONG. **128 D 34 M**

UTM **09 520000E 7354000N**

HARE INDIAN RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST					F	SO4	SiO2	(CALCD.)	C	C
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
27	02	74	1215	0124	.07	29.0 <sup>04L</sup>	3.8	165.	28.0	3.0
28	03	74	1150	0124	.58	650. <sup>04L</sup>	5.6		36.0	5.0
24	05	74	1130	0124	.07	56.0 <sup>04L</sup>	2.7		15.0	19.0
27	06	74	1145	0124	.18	210. <sup>04L</sup>	2.9	408.	24.0	9.0
25	07	74	1210	0124	.26	340. <sup>06L</sup>	3.6	595.	23.	6.
12	09	74	1430	0124	.14	255. <sup>06L</sup>	3.7	435.	24.	7.
31	10	74	1200	0124	.33	340. <sup>06L</sup>	4.6	656.	24.	6.

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST					P	P	P	P	P	N	N	N
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
27	02	74	1215	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>		L.001 <sup>06F</sup>	
28	03	74	1150	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.020 <sup>06F</sup>	
27	06	74	1145	0124						.5		
25	07	74	1210	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	L.003 <sup>06L</sup>	.4	.01	.41
12	09	74	1430	0124	L.003	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	L.003 <sup>06L</sup>		L.01	
31	10	74	1200	0124	L.003 <sup>01L</sup>	.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.003 <sup>06L</sup>	.3	.05	.35

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
27	02	74	1215	0124	.005		L.05	L.010	.02	.10	.004	.005
28	03	74	1150	0124	.002		L.05	L.010	.02	.11	.001	.003
24	05	74	1130	0124	L.001		L.05	L.010	.05	1.00	L.001	.005
27	06	74	1145	0124	L.001		L.05	L.010	.01	.24	L.001	.006
25	07	74	1210	0124	L.004		L.05	L.015	.020	.12	L.002	.002
12	09	74	1430	0124	.004		L.05	L.015	.004	.10	.004	.003
31	10	74	1200	0124	L.004		L.05	L.015	.016	.07	L.002	.002

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10LD0002** LAT. **66 D 18 M** LONG. **128 D 34 M** UTM **09 520000E 7354000N**

HARE INDIAN RIVER NEAR THE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L	
27	02	74	1215	0124	L.001	.002			1.50	L.05	.001	.05	
28	03	74	1150	0124	.001	L.001		3.20	L.05	.001		.05	
24	05	74	1130	0124	.002	.005	L.001 <sup>04L</sup>	.26	L.05	.001		.15	
27	06	74	1145	0124	.002	.004	L.001 <sup>04L</sup>	.95	L.05	.001		L.05	
25	07	74	1210	0124	L.001	.001	L.005 <sup>04L</sup>		L.015	.001		L.05	
12	09	74	1430	0124	L.001	.012	.001 <sup>04L</sup>	1.05	L.10	.003		L.05	
31	10	74	1200	0124	.001	.062	L.001 <sup>04L</sup>	1.6	L.10	.002		L.05	

SAMPLE DATE						05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
D	M	Y	HR	SUBM ID	B MG/L	LI MG/L	CN MG/L	
27	02	74	1215	0124	.11	.012		
28	03	74	1150	0124	.13	.013		
24	05	74	1130	0124	.10	L.005		
27	06	74	1145	0124	.06	L.005		
25	07	74	1210	0124		.005		
12	09	74	1430	0124	L.02	.005		
31	10	74	1200	0124	.07	.007		



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10MC002** LAT. **67 D 26 M 0 S** LONG. **134 D 53 M 30 S**

UTM **08 504600E 7479500N**

PEEL RIVER AT FORT MCPHERSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
20	02	74	1245	0124	.3	16.0 <sup>61F</sup>	235.	316. <sup>41F</sup>		7.6 <sup>01F</sup>	1.7 <sup>73F</sup>	
28	03	74	1510	0124	.3	22.5 <sup>61F</sup>	345.	362. <sup>41F</sup>	7.9	8.0 <sup>01F</sup>	1.0 <sup>73F</sup>	
29	05	74	1540	0124	5.1	20.8 <sup>61F</sup>		138. <sup>41F</sup>	7.5	7.7 <sup>01F</sup>	140. <sup>73F</sup>	
29	06	74	1145	0124	11.0	21.8		271.	7.9	8.1	36.0	40.
25	07	74	2005	0124	15.0	23.8		283.	7.9	7.7		20.
12	09	74	2045	0124	11.0	22.9		300.		7.9	33.	10.
01	11	74	1245	0124	.3	18.1		382.		7.8	2.0	5.
10	05	75	1300	0001		11.9		384.		7.5	63.	G100.
22	07	75	1100	0001		20.0		265.		7.9	61.	10.
12	11	75	1530	0001		19.5		400.		8.0	3.8	5.
09	10	76	1430	0001	2.	21.0		329.		8.1	13.0	20.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
20	02	74	1245	0124						0. <sup>51F</sup>	161. <sup>01F</sup>
28	03	74	1510	0124						0.	151. <sup>01F</sup>
29	05	74	1540	0124		346.	258.			0. <sup>51F</sup>	54. <sup>01F</sup>
29	06	74	1145	0124				0.	126.	0.	103.
25	07	74	2005	0124		476.	418.	0.	119.	0.	98.
12	09	74	2045	0124				0.	144.	.0	118.
01	11	74	1245	0124				0.	166.	.0	136.
10	05	75	1300	0001	L10.						113.
22	07	75	1100	0001	19.						102.
12	11	75	1530	0001	51.						161.
09	10	76	1430	0001	L10.		11.				126.

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
20	02	74	1245	0124	62.0 <sup>01F</sup>			194. <sup>03F</sup>	4.9	.4	4.9 <sup>06L</sup>
28	03	74	1510	0124	57.0 <sup>01F</sup>			191. <sup>03F</sup>	4.9	.4	4.3 <sup>06L</sup>
29	05	74	1540	0124	23. <sup>01F</sup>			77. <sup>03F</sup>	2.2	.8	1.5 <sup>06L</sup>
29	06	74	1145	0124	39.0		8.6	133.	3.0	.5	1.5 <sup>06L</sup>
25	07	74	2005	0124	35.		12.8	140.	3.2	.5	1.6 <sup>06L</sup>
12	09	74	2045	0124	43.		12.3	158.	4.1	.4	1.6 <sup>06L</sup>
01	11	74	1245	0124	54.		17.3	206.	5.7	.6	2.8 <sup>06L</sup>
10	05	75	1300	0001	50.9		17.0	197.	5.5	1.4	3.6
22	07	75	1100	0001	40.3		8.3	135.	1.0	1.4	1.4

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10MC0002** LAT. **67 D 26 M 0 S** LONG. **134D 53 M 30 S**

UTM **08 504600E 7479500N**

PEEL RIVER AT FORT MCPHERSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
12	11	75	1530	0001	55.3		16.0	204.	5.2	.5	3.6
09	10	76	1430	0001	51.1		11.3	174.	5.2	.5	2.4

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
20	02	74	1245	0124	.08	44.0 <sup>04L</sup>	3.9		28.0	2.0
28	03	74	1510	0124	.07	43.0 <sup>04L</sup>	4.0		32.0	3.0
29	05	74	1540	0124	.05	21. <sup>04L</sup>	2.0		12.	8.
29	06	74	1145	0124	.06	34.0 <sup>04L</sup>	3.0	151.	24.0	4.0
25	07	74	2005	0124	.08	47. <sup>06L</sup>	3.2	162.		
12	09	74	2045	0124	.08	58. <sup>06L</sup>	3.5	194.		
01	11	74	1245	0124	.07	58. <sup>06L</sup>	3.8	224.	21.	3.
10	05	75	1300	0001	.12 <sup>06L</sup>	73.0	2.5	222.		
22	07	75	1100	0001	.06 <sup>06L</sup>	28.4	3.1	145.		
12	11	75	1530	0001	.07 <sup>06L</sup>	69.	3.5	250.		
09	10	76	1430	0001	.09 <sup>06L</sup>	46.1 <sup>06L</sup>	3.2	195.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
20	02	74	1245	0124	.005 <sup>13F</sup>		.005 <sup>63F</sup>	.005 <sup>55F</sup>	.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.150 <sup>06F</sup>	
28	03	74	1510	0124	L.003 <sup>13F</sup>		L.001 <sup>63F</sup>	L.002 <sup>55F</sup>	L.005 <sup>13F</sup>	L.5 <sup>01L</sup>	.180 <sup>06F</sup>	
29	05	74	1540	0124	.31		.004	L.003	.34 <sup>06L</sup>	1.1	.08	1.18
29	06	74	1145	0124			L.001	L.002	.051	L.5	.090	Q.59
25	07	74	2005	0124					.38 <sup>06L</sup>	1.5	L.01	Q1.51
12	09	74	2045	0124		.009 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>			.14	
01	11	74	1245	0124	.006 <sup>01L</sup>	L.003 <sup>03L</sup>	L.003 <sup>56L</sup>	L.003 <sup>56L</sup>	.012 <sup>06L</sup>		.13	
10	05	75	1300	0001					.315 <sup>11L</sup>	L.5	.18	Q.68
22	07	75	1100	0001					.036 <sup>11L</sup>	L.5	.070	Q.57
12	11	75	1530	0001					L.005 <sup>11L</sup>	L.5	.155	Q.66
09	10	76	1430	0001					.033	.2	.076	.24

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10MC0002** LAT. **67 D 26 M 0 S** LONG. **134 D 53 M 30 S**

UTM **08 504600E 7479500N**

PEEL RIVER AT FORT MCPHERSON,  
NORTHWEST TERRITORIES

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINIUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST					PB	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
20	02	74	1245	0124	.005		L.05	L.010	.02	.25	.005	.006
28	03	74	1510	0124	.003		L.05	L.010	L.01	.08	.001	.003
29	05	74	1540	0124	.008		L.05	L.015	.140	8.20	.007	.017
29	06	74	1145	0124	L.001		L.05	L.010	.03	.92	.002	.006
25	07	74	2005	0124	.009		L.05	.015	.13	8.0	.003	.017
12	09	74	2045	0124	L.004		L.05	L.015	.034	.78	.004	.007
01	11	74	1245	0124	L.004		L.05	L.015	.018	.08	L.002	.002
21	04	75	1200	0001	L.001	.12		L.001	.024	.24	L.01	L.001
10	05	75	1300	0001	L.004	.43		L.01	.075	2.63	.003	.012
22	07	75	1100	0001	L.005	L.1		L.01	.06	1.0	L.001 <sup>01P</sup>	L.005
12	11	75	1530	0001	L.005	L.1		L.01	.02	.13	L.001	L.005
09	10	76	1430	0001	L.005	.2		L.01	.02	.49	L.001	L.005

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
CST					CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
20	02	74	1245	0124	.003	.004		.14	L.05	.001		L.05
28	03	74	1510	0124	L.001	.001		.15	L.05	.001		L.05
29	05	74	1540	0124	.011	.042	L.001 <sup>04L</sup>	.09	L.10	.001		L.05
29	06	74	1145	0124	L.001	.073		.13	L.05	.002		L.05
25	07	74	2005	0124	.013	.034	L.001 <sup>04L</sup>	.15	L.10	.001		L.05
12	09	74	2045	0124	.002	.010	.001 <sup>04L</sup>	.12	L.10	.002		L.05
01	11	74	1245	0124	L.001	.007	L.001 <sup>04L</sup>	.15	L.10	L.001		L.05
21	04	75	1200	0001	.003	.091			L.05	L.001	.1	
10	05	75	1300	0001	.005	.01 <sup>04P</sup>			L.05	L.001	L.1	
22	07	75	1100	0001	.004	.014			L.05	L.001 <sup>01P</sup>	L.1 <sup>01L</sup>	
12	11	75	1530	0001	.014	.044			L.5	L.001	L.1	
09	10	76	1430	0001	.002	.008			L.05	L.001	L.1	

SAMPLE DATE					05105L BORON DISSOLVED	03301P LITHIUM EXTRBLE.	06604P CYANIDE DISSOLVED
CST					B	LI	CN
D	M	Y	HR	ID	MG/L	MG/L	MG/L
20	02	74	1245	0124	.09	L.005	
28	03	74	1510	0124	.05	.006	
29	05	74	1540	0124	.07	.010	
29	06	74	1145	0124		L.005	
25	07	74	2005	0124	.05	.009	
12	09	74	2045	0124	.03	.007	
01	11	74	1245	0124	.03	.005	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10NC001** LAT. **68 D 38 M 0 S** LONG. **128 D 24 M 30 S**

UTM **09 524000E 7613000N**

ANDERSON RIVER BELOW CARNWATH RIVER,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS	
29	04	75	1010	0001		18.9		605.		7.6	1.4	7.	
03	09	75	1210	0001		23.1		296.		8.1	1.2	5.	
12	11	75	1445	0001		19.1		345.		7.7	3.5	10.	
31	05	76	1210	0001	8.0	20.4		183.		7.7	29.	70.	
14	07	76	1745	0001	17.	22.7		236.		8.1	2.6	10.	
03	10	76	1400	0001	0.	16.4		357.		7.9	4.1	30.	
08	10	76	1400	0001	0.	22.0		286.		8.0	5.5	30.	

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
29	04	75	1010	0001	16.							140.
03	09	75	1210	0001	L10.							96.
31	05	76	1210	0001	23.01P							66.9
14	07	76	1745	0001	58.				0.	232.	.0	190.
03	10	76	1400	0001	22.				0.	140.	.0	115.
08	10	76	1400	0001	27.							100.

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	
29	04	75	1010	0001	47.3		19.6	199.	41.8	2.2	66.0	
03	09	75	1210	0001	31.0		10.1	119.	14.	1.1	20.5	
31	05	76	1210	0001	29.6		3.3	87.7	5.1	1.4	4.9	
14	07	76	1745	0001	27.9		10.3	112.	10.	1.0	14.5	
03	10	76	1400	0001	36.2		14.0	148.	22.8	1.4	26.	
08	10	76	1400	0001	37.		9.9	133.	13.0	1.0	13.0	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10NC0001** LAT. **68 D 38 M 0 S** LONG. **128 D 24 M 30 S**

UTM **09 524000E 7613000N**

ANDERSON RIVER BELOW CARNWATH RIVER,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
29	04	75	1010	0001	.33 <sup>06L</sup>	57.0	2.2	320.		
03	09	75	1210	0001	.13 <sup>06L</sup>	5.5	1.3	141.		
31	05	76	1210	0001	.08 <sup>06L</sup>	15.5 <sup>06L</sup>	2.5	102.		
14	07	76	1745	0001	.11 <sup>06L</sup>	22. <sup>06L</sup>	1.7	201.		
03	10	76	1400	0001	.19 <sup>06L</sup>	34.5 <sup>06L</sup>	3.0	207.		
08	10	76	1400	0001	.12 <sup>06L</sup>	18.1 <sup>06L</sup>	2.6	155.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
29	04	75	1010	0001					L.005 <sup>11L</sup>	.7	.585	1.28
03	09	75	1210	0001					.007 <sup>11L</sup>	L.5	L.01	Q.51
12	11	75	1445	0001					.005 <sup>11L</sup>		.08	
31	05	76	1210	0001					.028	.7	.015	.73
14	07	76	1745	0001					L.007	.2	L.01	Q.19
03	10	76	1400	0001					.006	.3	.05	.39
08	10	76	1400	0001					.015	.3	L.01	Q.29

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
29	04	75	1010	0001	L.004	L.1		L.01	.014		L.001	L.001
03	09	75	1210	0001	L.005	L.1		L.01	.015	.075	L.001	L.005
12	11	75	1445	0001	L.005	L.1					L.001	L.005
31	05	76	1210	0001	L.005	.10			.04	.60	.001	.005
14	07	76	1745	0001	L.005	L.1		L.015	.02	.09	L.001	L.005
03	10	76	1400	0001	L.005	L.1		L.01	L.01	.10	L.001	L.005
08	10	76	1400	0001	L.005	.3		L.01	.03	.39	L.001	L.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10NC0001** LAT. **68 D 38 M 0 S** LONG. **128 D 24 M 30 S**

UTM **09 524000E 7613000N**

ANDERSON RIVER BELOW CARNWATH RIVER,  
NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
29	04	75	1010	0001	L.001	L.001				L.001	L.1	
03	09	75	1210	0001	L.001 <sup>04P</sup>	.007			L.05	L.001	L.1	
12	11	75	1445	0001	.003	.075				.001	.2	
31	05	76	1210	0001	.005	.005				L.001	L.1	
14	07	76	1745	0001	.001	.004			L.10	.001	L.1	
03	10	76	1400	0001	.002	.003			L.05	L.001	L.1	
08	10	76	1400	0001	.001	.004			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10PB0001** LAT. **65 D 25 M 0 S** LONG. **114D 0 M 30 S** UTM **11 638800E 7258000N**

COPPERMINE RIVER AT OUTLET OF POINT  
LAKE, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
15	09	74	1625	0001		22.3		11.		7.6	.2	L5.
22	04	75	1200	0001		19.8		11.		6.8	1.0	5.
23	06	75	1245	0001		23.5		13.		7.1	3.0	10.
06	08	75	1200	0001	7.8	21.8		11.		7.9	1.8	10.
09	09	75	1335	0001	7.	19.9		7.		6.8	.7	5.
12	01	76	1300	0001		24.8		13.		6.8	1.2	5.
14	05	76	1410	0001	1.0	21.		28.		6.5	1.	40.
16	06	76	1230	0001	3.3	21.0		12.		6.6	1.9	5.
09	08	76	1330	0001		22.1		13.		6.9	3.2	5.
16	09	76	1200	0001	1.	19.3		18.		6.9	3.5	10.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
15	09	74	1625	0001				0.	5.	.0	4.5
22	04	75	1200	0001	L10.						2.7
23	06	75	1245	0001	L10.						2.9
06	08	75	1200	0001	L10.						1.1
09	09	75	1335	0001	L10.						1.6
12	01	76	1300	0001	L10.						1.8
14	05	76	1410	0001	28.						1.4
16	06	76	1230	0001	13.						1.5
09	08	76	1330	0001	23.						2.4
16	09	76	1200	0001	13.						2.9

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
15	09	74	1625	0001	.9		.0	2.3	.3	.3	.5 06L
22	04	75	1200	0001	L.5			L.5	L.1	.2	.3
23	06	75	1245	0001	L.5		Q.3	2.4	.5	.4	1.6
06	08	75	1200	0001	L.5			L.5	.2	.5	.4
09	09	75	1335	0001	1.2			L.5	.7	.4	.3
12	01	76	1300	0001	2.2		.0	5.7	.5	.5	.2
14	05	76	1410	0001	2.9		2.6	17.8	.5	.8	.4
16	06	76	1230	0001	1.4		.1	4.1	.5	.5	.4
09	08	76	1330	0001	1.8		.3	5.7	.6	.3	.3
16	09	76	1200	0001	3.5		.5	10.9	1.0	.8	.3

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10PB001** LAT. **65 D 25 M 0 S** LONG. **114 D 0 M 30 S**

UTM **11 638800E 7258000N**

COPPERMINE RIVER AT OUTLET OF POINT  
LAKE, NORTHWEST TERRITORIES

SAMPLE DATE		9105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC			
CST	SUBM	F	SO4	SIO2	(CALCD.)	C	C			
D	M	Y	HR	ID	MG/L	MG/L	MG/L			
15	09	74	1625	0001	L.05	1.5 06L	.3	7.	1.	2.
22	04	75	1200	0001	.02 06L	L1.	L.1	Q4.		
23	06	75	1245	0001	.02 06L	L1.	2.3	Q8.		
06	08	75	1200	0001	.02 06L	2.4	.3	Q5.		
09	09	75	1335	0001	.02 06L	1.2 06L	L.1	Q4.		
12	01	76	1300	0001	L.05 06L	4.5 06L	.3	9.		
14	05	76	1410	0001	.02 06L	2.5 06L	.1	11.		
16	06	76	1230	0001	.07 06L	.8 06L	.3	5.		
09	08	76	1330	0001	.03 06L	1.2 06L	.3	6.		
16	09	76	1200	0001	.01 06L	1.0 06L	.2	9.		

SAMPLE DATE		15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST	SUBM	P	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L
15	09	74	1625	0001		L.003 06L	.2	.05	.25
22	04	75	1200	0001		.035 11L	L.5	.080	Q.58
23	06	75	1245	0001		.045 11L	L.5	.118	Q.62
06	08	75	1200	0001		.007 11L	L.5	.032	Q.53
09	09	75	1335	0001		L.005 11L	L.5	.044	Q.54
12	01	76	1300	0001		L.005 11L	L.5	.060	Q.56
14	05	76	1410	0001		.01	.6	.03	.67
16	06	76	1230	0001		L.005	.5	.07	.52
09	08	76	1330	0001		.005	.2	.03	.22
16	09	76	1200	0001		L.005	L.1	.022	Q.07

SAMPLE DATE		82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.	
CST	SUBM	PB	AL	V	CR	MN	FE	CO	NI	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	
15	09	74	1625	0001	.006	L.06				
22	04	75	1200	0001	L.001	L.1	L.015	L.010	L.04	.003
23	06	75	1245	0001	L.005	L.1	L.01	.01	L.05	L.001
06	08	75	1200	0001	L.005	L.1	L.01	L.01	L.05	L.001
09	09	75	1335	0001	L.005	L.1	L.01	L.01	L.05	L.001
12	01	76	1300	0001	L.005	L.1	L.01	L.01	L.05	L.001
14	05	76	1410	0001	L.005	L.1		.02	.09	L.001
16	06	76	1230	0001	L.005	L.1		L.01	L.05	L.001
09	08	76	1330	0001	L.005	L.1	L.01	L.01	L.05	L.001
16	09	76	1200	0001	L.005	L.1	L.01	L.01	L.05	L.002



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10PB001** LAT. **65 D 25 M 0 S** LONG. **114 D 0 M 30 S** \* UTM **11 638800E 7258000N**

COPPERMINE RIVER AT OUTLET OF POINT  
LAKE, NORTHWEST TERRITORIES

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
CST					CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
15	09	74	1625	0001	.002	.13 <sup>04P</sup>		L.01	L.10	.002	L.1	
22	04	75	1200	0001	.001	.008			.28	L.001	L.1	
23	06	75	1245	0001	L.001	.001			L.05	L.001	L.1	
06	08	75	1200	0001	.005	.001			L.05	L.001	L.1	
09	09	75	1335	0001	L.001	.002			L.05	L.001	L.1	
12	01	76	1300	0001	.001	.004			L.05	L.001	L.1	
14	05	76	1410	0001	.002	.008				.001	L.1	
16	06	76	1230	0001	.007	.004				.001	L.1	
09	08	76	1330	0001	L.001	.004			L.05	L.001	L.1	
16	09	76	1200	0001	.001	.011			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10QA0001** LAT. **67 D 38 M 10 S** LONG. **111 D 53 M 30 S**

UTM **12 462200E 7502400N**

TREE RIVER ABOUT 10 MILES ABOVE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE						02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS	
16	07	74	2256	0001		26.3		68.		7.4	7.2	L5.	
14	09	74	1511	0001		21.9		69.		7.9	2.8	L5.	
18	04	75	1200	0001		15.7		83.		7.3	8.8	10.	
02	06	75	1200	0001		21.5		70.		8.2	5.8	5.	
27	06	75	1200	0001		22.5				8.2	17.	50.	
19	06	76	1000	0001	4.0	21.0		69.		7.5	35.	40.	
14	08	76	1700	0001	8.8	22.1		69.		7.8	6.1	5.	

SAMPLE DATE						08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
16	07	74	2256	0001					0.	38.	0.	31.0
14	09	74	1511	0001					0.	40.	.0	33.
18	04	75	1200	0001	L10.							40.2
02	06	75	1200	0001	15.							35.8
27	06	75	1200	0001	11.							26.3
14	01	76	1200	0001	39.							50.4
19	06	76	1000	0001	25.							27.5
14	08	76	1700	0001	15.							30.

SAMPLE DATE						20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	
16	07	74	2256	0001	7.2		3.9	34.0	.8	.3	1.9 <sup>06L</sup>	
14	09	74	1511	0001	8.4		2.9	33.	1.1	.3	2.1 <sup>06L</sup>	
18	04	75	1200	0001	9.8		4.2	41.9	1.2	.5	1.5	
02	06	75	1200	0001	9.6		3.4	38.1	1.6	.5	2.0	
27	06	75	1200	0001	8.6		1.5	27.8	1.0	.3	2.6	
14	01	76	1200	0001					1.5	1.0	2.3	
19	06	76	1000	0001	7.2		3.3	31.4	2.0	.5	3.4	
14	08	76	1700	0001	8.5		3.1	34.	1.0	.2	1.3	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10QA0001** LAT. **67 D 38 M 10 S** LONG. **111D 53 M 30 S**

UTM **12 462200E 7502400N**

TREE RIVER ABOUT 10 MILES ABOVE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
16	07	74	2256	0001	L.05	1.3 <sup>06L</sup>	1.0	35.	7.0	2.0
14	09	74	1511	0001	L.05	1.9 <sup>06L</sup>	1.1	38.	8.	1.
18	04	75	1200	0001	.02 <sup>06L</sup>	L1.0	1.8	Q44.		
02	06	75	1200	0001	.03 <sup>06L</sup>	2.2	1.1	42.		
27	06	75	1200	0001	.02 <sup>06L</sup>	L1.	1.1	Q32.		
14	01	76	1200	0001	L.05 <sup>06L</sup>	9.6	7.2			
19	06	76	1000	0001	.13 <sup>06L</sup>	9.1 <sup>06L</sup>	1.5	43.		
14	08	76	1700	0001	.02 <sup>06L</sup>	1.6 <sup>06L</sup>	1.1	35.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
16	07	74	2256	0001					.006 <sup>06L</sup>	L.5	.060	Q.56
14	09	74	1511	0001					L.003 <sup>06L</sup>	L.1	L.01	Q.11
18	04	75	1200	0001					.033 <sup>11L</sup>	L.5	.036	Q.54
02	06	75	1200	0001					.007 <sup>11L</sup>	L.5	.045	Q.55
27	06	75	1200	0001					.018 <sup>11L</sup>	L.5	.010	Q.51
14	01	76	1200	0001					.480 <sup>11L</sup>	1.6	.076	1.71
19	06	76	1000	0001					.030	.3	.20	.54
14	08	76	1700	0001					.040	.4	.01	.36

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
16	07	74	2256	0001	.004	.22		L.010	.01	.21	.002	L.001
14	09	74	1511	0001	.005	.23		L.015	L.010	.12	.003	.005
18	04	75	1200	0001	L.001	.22		L.01	.01	.22 <sup>05P</sup>	L.001	L.001
02	06	75	1200	0001	L.005	.2		L.01	L.01	.20	L.001	L.005
27	06	75	1200	0001	L.005	.38		L.01	.020	.60	L.001	L.005
14	01	76	1200	0001	L.005	5.4		.02	.30	11.0	L.001	L.005
19	06	76	1000	0001	L.005	.25			L.01	.39	L.001	.010
14	08	76	1700	0001	L.005	.15		L.01	L.01	.18	L.001	L.005

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10QA0001** LAT. **67 D 38 M 10 S** LONG. **111 D 53 M 30 S**

UTM **12 462200E 7502400N**

TREE RIVER ABOUT 10 MILES ABOVE MOUTH,  
NORTHWEST TERRITORIES

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
CST						CU	ZN	AS	SR	MO	CD	BA	HG
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
16	07	74	2256	0001		.002	.068		L.02	L.05	L.001	L.1	
14	09	74	1511	0001		L.001	.073		L.01	L.10	.001	L.1	
18	04	75	1200	0001		.005	.008			.01	L.001	L.1	
02	06	75	1200	0001		.006	.015			L.05	.002	L.1	
27	06	75	1200	0001		.005	.002			L.05	L.001	L.0	
14	01	76	1200	0001		.03 <sup>06P</sup>	.08 <sup>04P</sup>			L.05	L.001	.1	
19	06	76	1000	0001		.006	.006				L.001	L.0	
14	08	76	1700	0001		.010	.013			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10RC001** LAT. **66 D 5 M** LONG. **96 D 30 M** UTM **14 614000E 7332000N**

BACK RIVER BELOW DEEP ROSE LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
12	05	74	1200	0001		23.4		43.		6.8	1.5	20.
10	07	74	1200	0001		24.4		21.		7.3	2.1	15.
07	05	75	1125	0001		21.8		19.			L2.	15.
17	07	75	1405	0001	3.3	19.6		16.		7.1	2.0	5.
01	09	75	1100	0001	5.0	19.3		12.		6.7	2.5	5.
15	03	76	1200	0001		20.7		26.		6.6	1.8	10.
02	05	76	1045	0001		21.		19.		6.5	3.2	10.
13	07	76	0915	0001	1.6	22.2		15.		6.5	9.4	10.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
12	05	74	1200	0001				0.	12.	.0	9.9
10	07	74	1200	0001				0.	8.	.0	6.7
07	05	75	1125	0001	L10.						5.4
17	07	75	1405	0001	13.						4.1
01	09	75	1100	0001	L10.						3.3
15	03	76	1200	0001	L10.						6.8
02	05	76	1045	0001	L10.						5.4
13	07	76	0915	0001	L10.						4.8

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
12	05	74	1200	0001	3.5		1.0	13.0	2.2	1.2	3.3 06L
10	07	74	1200	0001	2.5		.9	10.0	.5	.4	1.0 06L
07	05	75	1125	0001	L.5		Q1.5	7.4	.8	.4	.9
17	07	75	1405	0001	1.8		.3	5.6	.4	.4	.8
01	09	75	1100	0001	L2.		Q.3	6.2	.8	.5	.9
15	03	76	1200	0001	2.5		1.2	11.2	.8	.7	1.3
02	05	76	1045	0001	2.8		2.2	16.2	1.3	.8	1.2
13	07	76	0915	0001	2.3		.4	7.2	.5	.4	.7

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10RC001** LAT. **66 D 5 M** LONG. **96 D 30 M** UTM **14 614000E 7332000N**

BACK RIVER BELOW DEEP ROSE LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SiO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
12	05	74	1200	0001	L.05	2.6 04L	1.1	21.	3.0	5.0
10	07	74	1200	0001	L.05	1.1 04L	.7	11.	2.0	4.0
07	05	75	1125	0001	.05 06L	2.0	.6	Q10.		
17	07	75	1405	0001	.06 06L	L1.	.5	Q8.		
01	09	75	1100	0001	.02 06L	1.2 06L	L.1	Q8.		
15	03	76	1200	0001	L.05 06L	1.6 06L	L.1	Q12.		
02	05	76	1045	0001	.04 06L	1.7 06L	.4	14.		
13	07	76	0915	0001	.03 06L	1.3 06L	.5	9.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
12	05	74	1200	0001					.009	1.0 01L	.180	1.18
10	07	74	1200	0001					.006 06L	L.5	.040	Q.54
07	05	75	1125	0001					L.005 11L	L.5	.01	Q.51
17	07	75	1405	0001					L.005 11L	L.5	.023	Q.52
01	09	75	1100	0001					.006 11L	L.5	.034	Q.53
15	03	76	1200	0001					.01	L.5	.08	Q.58
02	05	76	1045	0001					.005	.6	.07	.67
13	07	76	0915	0001					.005	L.1	L.01	Q.11

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
D	M	Y	HR	SUBM ID	MN MG/L	FE MG/L	CU MG/L	PB MG/L	ZN MG/L	CR MG/L	NI MG/L
12	05	74	1200	0001	L.01 04L	L.05	.012 05L	.006 03L	.021 05L		.002 02L

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **00NW10RC0001** LAT. **66 D 5 M** LONG. **96 D 30 M** UTM **14 614000E 7332000N**

BACK RIVER BELOW DEEP ROSE LAKE,  
NORTHWEST TERRITORIES

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
12	05	74	1200	0001				L.015 <sup>02L</sup>			L.001 <sup>02L</sup>	
07	05	75	1125	0001	L.004	L.1		L.01	.066	.040	L.001	L.002
17	07	75	1405	0001	L.005	L.1		L.01	L.01	.06	L.001	L.005
01	09	75	1100	0001	.03	.15		L.01	.02	.24	L.001	L.005
15	03	76	1200	0001	.010	L.1			L.01	.03	.001	L.005
02	05	76	1045	0001	L.005	L.1			L.01	.07	L.001	L.005
13	07	76	0915	0001	L.005	L.1		L.01	L.01	.06	.002	L.005

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	Sr MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
12	05	74	1200	0001							L.1 <sup>01L</sup>	
07	05	75	1125	0001	.002	.065 <sup>04P</sup>			L.05	L.001	L.1	
17	07	75	1405	0001	.004	.036			L.05	L.001	L.1	
01	09	75	1100	0001	.043	.12 <sup>04P</sup>			L.05	.006	L.1	
15	03	76	1200	0001	.003	.008				L.001	L.1	
02	05	76	1045	0001	.003	.005				.002	L.1	
13	07	76	0915	0001	.002	.010			L.05	L.001	L.1	

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **01NW06MA0001** LAT. **64 D 19 M 10 S** LONG. **96 D 1 M 50 S**

UTM **14 643600E 7135800N**

BAKER LAKE 1 MILE FROM BAKER LAKE  
SETTLEMENT, NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
CST				SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
D	M	Y	HR	ID								
14	07	75	1530	0001	7.0	25.5		1800.		7.1	1.0	10.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
CST				SUBM	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	ID							
14	07	75	1530	0001	13.						9.8

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
CST				SUBM	CA MG/L	MG	MG	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
D	M	Y	HR	ID							
14	07	75	1530	0001	24.0		5.7	83.4	156.	10.7	550.

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
CST				SUBM	F MG/L	SO4 MG/L	SIO2 MG/L	MG/L	C MG/L	C MG/L
D	M	Y	HR	ID						
14	07	75	1530	0001	L.01 06L	68.0	.3	821.		

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
CST				SUBM	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
D	M	Y	HR	ID								
14	07	75	1530	0001					L.005 11L	L.5	.060	Q.56



DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **01NW06MA0001** LAT. **64 D 19 M 10 S** LONG. **96 D 1 M 50 S**

UTM **14 643600E 7135800N**

BAKER LAKE 1 MILE FROM BAKER LAKE  
SETTLEMENT, NORTHWEST TERRITORIES

						82302P	13302P	23301P	24302P	25304P	26304P	27302P	28302P
						LEAD	ALUMINUM	VANADIUM	CHROMIUM	MANGANESE	IRON	COBALT	NICKEL
						EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.
SAMPLE DATE													
CST				SUBM	PB	AL	V	CR	MN	FE	CO	NI	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
14	07	75	1530	0001	L.005	L.1		L.01	L.01	L.05	L.001	L.005	

						29305P	30305P	33103L	38301P	42301P	48302P	56301P	80311P
						COPPER	ZINC	ARSENIC	STRONTIUM	MOLYBDENUM	CADMIUM	BARIUM	MERCURY
						EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.
SAMPLE DATE													
CST				SUBM	CU	ZN	AS	SR	MO	CD	BA	HG	
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L	
14	07	75	1530	0001	L.001	L.001			L.05	L.001	L.1		

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **01NW07SB0001** LAT. **62 D 26 M 30 S** LONG. **114 D 21 M 0 S**

UTM **11 636800E 6926000N**

GREAT SLAVE LAKE AT YELLOWKNIFE,  
NORTHWEST TERRITORIES

SAMPLE DATE					02061S TEMP. WATER	02061L TEMP. WATER	02041S SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301S PH	10301L PH	02073L TURBIDITY	02011L COLOUR APPARENT
D	M	Y	HR	SUBM ID	DEG. C.	DEG. C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	REL. UNITS
07	01	74	1300	0001	.0	12.8		69.		7.1	7.8	15.
03	02	74	1300	0001	.0	23.5		76.		7.4	1.4	8.
16	03	74	1300	0001	.0	21.4		64.		6.9	.8	8.
06	04	74	1300	0001	.0	21.4		51.		6.9	.7	8.
02	05	74	1200	0001	2.0	22.3		45.		7.3	1.0	20.

SAMPLE DATE					08301L OXYGEN TOTAL COD	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10101L ALKALINITY TOTAL
D	M	Y	HR	SUBM ID	O2 MG/L	MG/L	MG/L	CO3 MG/L	HCO3 MG/L	CACO3 MG/L	CACO3 MG/L
07	01	74	1300	0001				0.	24.	0.	20.0
03	02	74	1300	0001		1.		0.	30.	0.	25.0
16	03	74	1300	0001				0.	27.	0.	22.0
06	04	74	1300	0001				0.	22.	0.	18.0
02	05	74	1200	0001				0.	13.	0.	11.0

SAMPLE DATE					20101L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10603L HARDNESS TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17203L CHLORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L
07	01	74	1300	0001	6.20 <sup>03L</sup>		2.0	23.7	2.8	1.8	2.9
03	02	74	1300	0001	8.2		2.1	29.0	2.9		7.0
16	03	74	1300	0001	7.2		1.9	26.0	2.4	1.2	2.3 <sup>06L</sup>
06	04	74	1300	0001	5.4		1.8	21.0	1.9	1.1	1.8 <sup>06L</sup>
02	05	74	1200	0001	4.8		.7	15.0	1.3	.8	1.0 <sup>06L</sup>

SAMPLE DATE					09105L FLUORIDE DISSOLVED	16303L SULPHATE DISSOLVED	14102L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC
D	M	Y	HR	SUBM ID	F MG/L	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	C MG/L
07	01	74	1300	0001		3.2 <sup>04L</sup>	.6	31.	6.0	10.0
03	02	74	1300	0001	.20	5.6 <sup>04L</sup>	1.0		6.0	8.0
16	03	74	1300	0001	.06	4.1 <sup>04L</sup>	.9	33.	6.0	6.0
06	04	74	1300	0001	.06	3.1 <sup>04L</sup>	.6	27.	6.0	6.0
02	05	74	1200	0001	.06	2.5 <sup>04L</sup>	.4	18.	3.0	6.0

DETAILED WATER QUALITY DATA 1974-1976  
NORTHWEST TERRITORIES

STATION **01NW07SB0001** LAT. **62 D 26 M 30 S** LONG. **114 D 21 M 0 S**

UTM **11 636800E 6926000N**

GREAT SLAVE LAKE AT YELLOWKNIFE,  
NORTHWEST TERRITORIES

SAMPLE DATE					15313L PHOSPHORUS TOTAL INORG. PO4	15101L PHOSPHORUS TOTAL DISSOLVED	15363L PHOSPHORUS DISSOLVED INORG. PO4	15255L PHOSPHORUS DISSOLVED ORTHO PO4	15413L PHOSPHORUS TOTAL	07002L NITROGEN TOTAL KJELDAHL	07106L NITROGEN DISSOLVED NO3 & NO2	07602L NITROGEN TOTAL (CALCD.)
D	M	Y	HR	SUBM ID	P MG/L	P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
07	01	74	1300	0001			.020	.017			.530	
03	02	74	1300	0001			.008	.006			.140	
16	03	74	1300	0001			.005	.005			.120	
06	04	74	1300	0001			L.001	L.002			.190	
02	05	74	1200	0001			L.001	L.002			.150	

SAMPLE DATE					25105L MANGANESE DISSOLVED	26104L IRON DISSOLVED	29105P COPPER DISSOLVED	82104L LEAD DISSOLVED	30105P ZINC DISSOLVED	24052L CHROMIUM DISSOLVED	2810YZ NICKEL DISSOLVED
D	M	Y	HR	SUBM ID	MN MG/L	FE MG/L	CU MG/L	PB MG/L	ZN MG/L	CR MG/L	NI MG/L
03	02	74	1300	0001	L.01 04L	L.05	.008 05L	L.001 03L	.029 05L		
16	03	74	1300	0001	L.01 04L	L.05	.005 05L	.006 03L	.006 05L		
06	04	74	1300	0001	.15 04L	L.05	.003 05L	L.001 03L	.006 05L		
02	05	74	1200	0001		L.05	.003 05L	.007 03L	.003 05L		

SAMPLE DATE					82302P LEAD EXTRBLE.	13302P ALUMINUM EXTRBLE.	23301P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
02	05	74	1200	0001					L.01 04L			

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	33103L ARSENIC DISSOLVED	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80311P MERCURY EXTRBLE.
D	M	Y	HR	SUBM ID	CU MG/L	ZN MG/L	AS MG/L	SR MG/L	MO MG/L	CD MG/L	BA MG/L	HG UG/L
03	02	74	1300	0001			.01 04L					
16	03	74	1300	0001			.006 04L					
06	04	74	1300	0001			.007 04L					
02	05	74	1200	0001			.001 04L					

**Alphabetical Index**  
**Index alphabétique**



Location Description	Station Number Station Parameters	Latitude			Longitude			Page
		°	'	"	°	'	"	
ANDERSON RIVER BELOW CARNWATH RIVER, NORTHWEST TERRITORIES	<b>00NW10NC0001</b> 97900S 001	68	38	0	128	24	30	103
ARCTIC RED RIVER ABOUT 1.5 MILES FROM MOUTH, NORTHWEST TERRITORIES	<b>00NW10LA0004</b>	67	26	0	133	46	0	91
BACK RIVER BELOW DEEP ROSE LAKE, NORTHWEST TERRITORIES	<b>00NW10RC0001</b> 97900S 001	66	5		96	30		112
BAKER LAKE 1 MILE FROM BAKER LAKE SETTLEMENT, NORTHWEST TERRITORIES	<b>01NW06MA0001</b> 97900S 001	64	19	10	96	1	50	115
BLACKWATER RIVER AT MOUTH, NORTHWEST TERRITORIES	<b>00NW10HC0005</b>	63	57	0	124	9	0	62
BUFFALO RIVER AT HWY 5, NORTHWEST TERRITORIES	<b>00NW07PA0002</b> 97900S 001	60	42	45	114	55	0	13
CAMSELL RIVER AT MILL FRESHWATER INTAKE, NORTHWEST TERRITORIES	<b>00NW10JA0002</b>	65	36	40	118	9	50	68
CAMSELL RIVER AT OUTLET OF CLUT LAKE, NORTHWEST TERRITORIES	<b>00NW10JA0001</b> 97900S 002	65	36	0	117	45	30	65
COPPERMINE RIVER AT OUTLET OF POINT LAKE, NORTHWEST TERRITORIES	<b>00NW10PB0001</b> 97900S 001	65	25	0	114	0	30	106
FLAT RIVER NEAR MOUTH, NORTHWEST TERRITORIES	<b>00NW10EA0004</b> 97900S 003	61	32	0	125	24	21	23
GREAT BEAR RIVER ABOUT 100 METRES ABOVE BRACKETT RIVER NORTHWEST TERRITORIES	<b>00NW10JC0003</b>	64	58	5	125	27	5	75
GREAT BEAR RIVER AT MOUTH NEAR FORT NORMAN, NORTHWEST TERRITORIES	<b>00NW10JC0002</b>	64	55	0	125	35	0	72
GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN, NORTHWEST TERRITORIES	<b>00NW10JC0001</b> 97900S 003	65	8	0	123	31	0	70
GREAT SLAVE LAKE AT YELLOWKNIFE, NORTHWEST TERRITORIES	<b>01NW07SB0001</b> 97900S 001	62	26	30	114	21	0	117
HARE INDIAN RIVER NEAR THE MOUTH, NORTHWEST TERRITORIES	<b>00NW10LD0002</b>	66	18		128	34		97
HAY RIVER NEAR HAY RIVER NORTHWEST TERRITORIES	<b>00NW070B0001</b> 97900S 001	60	44	45	115	51	20	10

# NORTHWEST TERRITORIES

# WATER QUALITY STATIONS : ALPHABETICAL INDEX

Location Description	Station Number Station Parameters	Latitude			Longitude			Page
		°	'	"	°	'	"	
KAKISA RIVER AT OUTLET OF KAKISA LAKE, NORTHWEST TERRITORIES	<b>00NW07UC0001</b> 97900S 001	60	56	30	117	25	0	19
KAZAN RIVER ABOVE KAZAN FALLS, NORTHWEST TERRITORIES	<b>00NW06LC0001</b> 97900S 001	63	39	0	95	51	15	4
KEELE RIVER ABOUT 4 MILES FROM MOUTH, NORTHWEST TERRITORIES	<b>00NW10HA0001</b>	64	23	15	124	53	0	53
LIARD RIVER ABOUT 8.5 MILES BELOW FORT LIARD, NORTHWEST TERRITORIES	<b>00NW10ED0005</b>	60	19	0	123	20	0	34
LIARD RIVER ABOVE FORT SIMPSON, NORTHWEST TERRITORIES	<b>00NW10ED0002</b> 97900S 002	61	44	24	121	13	11	27
LIARD RIVER AT FORT LIARD, NORTHWEST TERRITORIES	<b>00NW10ED0001</b> 97900S 001	60	14	35	123	28	45	26
LITTLE BUFFALO RIVER AT PINE POINT HWY 6 EAST OF PINE POINT, NORTHWEST TERRITORIES	<b>00NW07PB0003</b>	60	2	54	112	42	0	15
LOCKHART RIVER BELOW ARTILLERY LAKE, NORTHWEST TERRITORIES	<b>00NW07RD0001</b> 97900S 001	62	53	30	108	28	30	17
MACKENZIE RIVER ABOUT 2.5 MILES ABOVE FORT GOOD HOPE, NORTHWEST TERRITORIES	<b>00NW10LB0002</b>	66	14	30	128	43	0	94
MACKENZIE RIVER ABOVE ARTIC RED RIVER NORTHWEST TERRITORIES	<b>00NW10LA0003</b>	67	21	30	133	33	30	88
MACKENZIE RIVER AT NORMAN WELLS, NORTHWEST TERRITORIES	<b>00NW10KA0001</b> 97900S 001	65	16	54	126	50	57	77
MACKENZIE RIVER NEAR FORT PROVIDENCE, NORTHWEST TERRITORIES	<b>00NW10FB0001</b>	61	15	0	118	3	0	40
MACKENZIE RIVER NEAR FORT SIMPSON, NORTHWEST TERRITORIES	<b>00NW10GC0001</b>	61	52		121	20		47
MACKENZIE RIVER NEAR WRIGLEY, NORTHWEST TERRITORIES	<b>00NW10HC0001</b> 97900S 001	63	16	0	123	36	0	59
MACKENZIE RIVER, 14.5 MILES ABOVE NORMAN WELLS, NORTHWEST TERRITORIES	<b>00NW10KA0002</b>	65	10	0	126	25	0	80
MOUNTAIN RIVER ABOUT 3 MILES FROM MOUTH, NORTHWEST TERRITORIES	<b>00NW10KC0002</b>	65	40	0	128	54	0	83
NORTH NAHANNI RIVER ABOUT 5 MILES FROM MOUTH, NORTHWEST TERRITORIES	<b>00NW10GD0001</b>	62	10	30	123	23	0	50



# WATER QUALITY STATIONS : ALPHABETICAL INDEX

# NORTHWEST TERRITORIES

Location Description	Station Number Station Parameters	Latitude			Longitude			Page
		°	'	"	°	'	"	
PEEL RIVER AT FORT MCPHERSON, NORTHWEST TERRITORIES	00NW10MC0002	67	26	0	134	53	30	100
QUOICH RIVER NEAR BAKER LAKE, NORTHWEST TERRITORIES	00NW06MB0001 97900S 001	64	27	30	94	7	10	7
RAMPARTS RIVER ABOUT 2.5 MILES FROM MOUTH, NORTHWEST TERRITORIES	00NW10KD0001	66	10	0	129	6	30	86
REDSTONE RIVER AT MOUTH, NORTHWEST TERRITORIES	00NW10HB0004	64	16	0	124	34	30	56
SARDINE CREEK AT CULVERT AT ROAD TO WATSON LAKE, CANADA TUNGSTEN MINE SITE 3, NORTHWEST TERRITORIES	00NW10EA0003	61	57	0	128	13	0	22
SOUTH NAHANNI RIVER ABOVE CLAUSEN CREEK, NORTHWEST TERRITORIES	00NW10EC0001 97900S 001	61	15	0	124	2	0	25
SOUTH NAHANNI RIVER ABOVE VIRGINIA FALLS, NORTHWEST TERRITORIES	00NW10EB0001 97900S 001	61	38	0	125	48	0	24
SOUTH NAHANNI RIVER AT NAHANNI BUTTE, NORTHWEST TERRITORIES	00NW10ED0004	61	2	30	123	24	0	31
THELON RIVER ABOVE THELON BLUFFS, NORTHWEST TERRITORIES	00NW06JC0001	64	32	10	101	23	50	1
TREE RIVER ABOUT 10 MILES ABOVE MOUTH, NORTHWEST TERRITORIES	00NW10QA0001 97900S 001	67	38	10	111	53	30	109
TROUT RIVER AT FORT SIMPSON HWY, NORTHWEST TERRITORIES	00NW10FA0003 97900S 002	61	8	0	119	49	30	37
WILLOW LAKE RIVER NEAR THE MOUTH, NORTHWEST TERRITORIES	00NW10GB0002 97900S 001	62	38	51	122	54	15	44





**Map**  
**Carte**



## STATION LOCATIONS

The accompanying fold-out map was produced by the Drafting Services Division, Environmental Management Service, to identify water quality sampling locations. Although only the significant digits of the station's sequential number have been reproduced on the map, the complete NAQUADAT station number can be generated in the following manner:

- A. The station's water-type has been coloured as follows:

Colour	Water-type	Code
Green	Streams & Rivers	00
Red	Lakes	01

The above codes form the first two digits of the NAQUADAT station number.

- B. The 3rd and 4th characters of the NAQUADAT station number are the 2-letter provincial or territorial code.
- C. The next four alpha-numeric characters (5-8) related to the "Basin: Sub-basin" designations of Water Survey of Canada, which are delineated in bold black type on the maps. Thus "1CB" on the map becomes "01CB" of the NAQUADAT number.
- D. The last four digits (9-12) are the sequential station number, the significant digits of which appear beside the station location.

## EMPLACEMENT DES STATIONS

La Division des services de dessin, Service de la gestion de l'environnement, a préparé la carte dépliant qui accompagne le présent extrait afin d'identifier l'emplacement des stations sélectionnées pour prélever des échantillons de la qualité des eaux. Bien qu'on n'ait indiqué sur la carte que les chiffres importants du numéro de référence de la station, on peut se procurer le numéro de station de la NAQUADAT correspondant de la manière suivante:

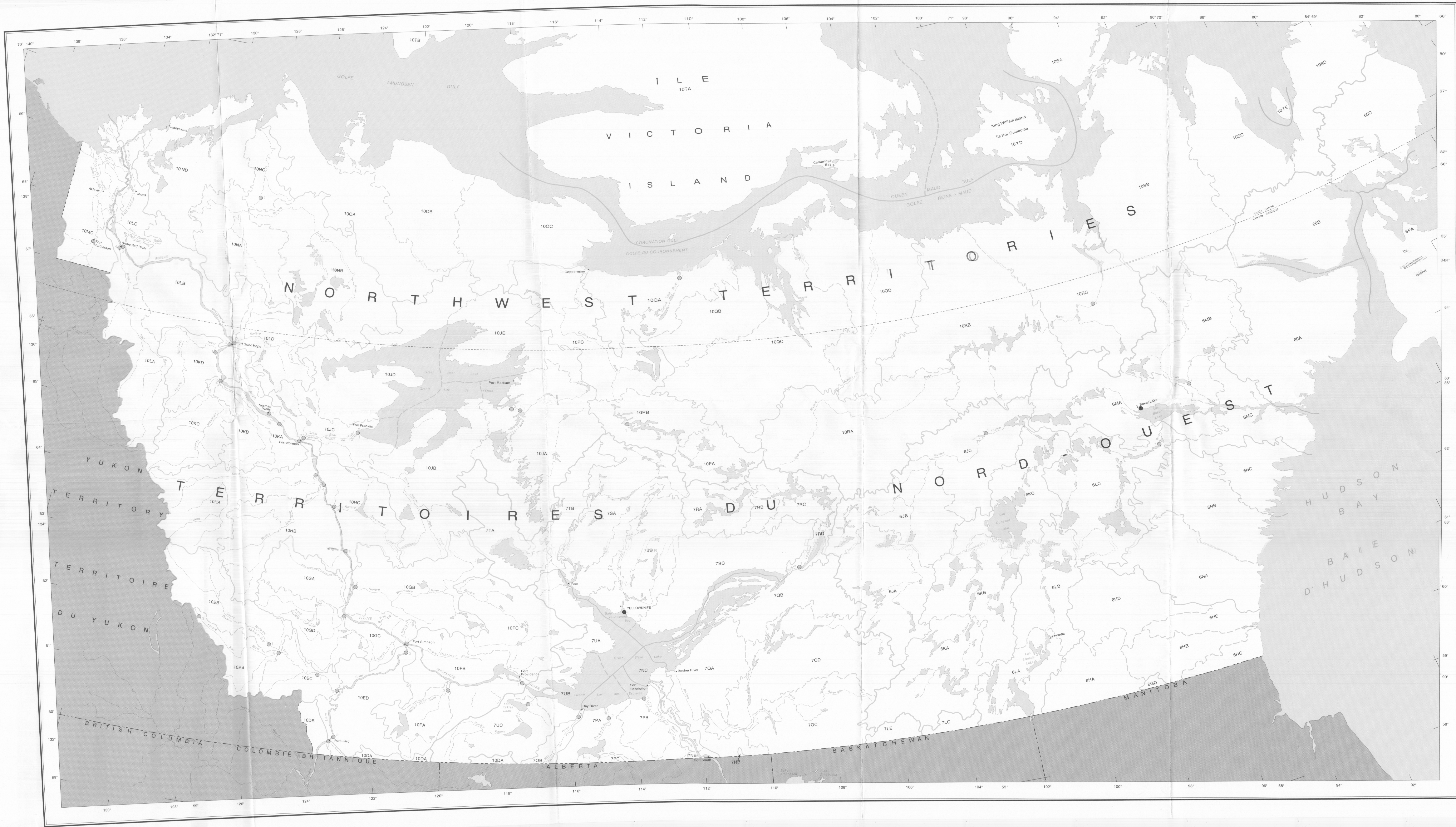
- A. Le type d'eau étudié par la station est coloré comme suit:

Couleur	Type d'eau	Code
Vert	Ruisseaux et rivières	00
Rouge	Lacs	01

Les codes mentionnés ci-dessus constituent les deux premiers chiffres du numéro de station de la NAQUADAT.

- B. Les 3<sup>e</sup> et 4<sup>e</sup> lettres du numéro de station de la NAQUADAT sont le code de deux lettres pour la province ou le territoire.
- C. Les deux chiffres et deux lettres qui suivent (5 à 8) identifient le bassin et le sous-bassin, respectivement, comme établis par la Division des relevés hydrologiques. Ils sont en caractères gras sur la carte. Ainsi «1CB» sur la carte signifie «01CB» du numéro de station de la NAQUADAT.
- D. Les quatre derniers chiffres (9 à 12) permettent de déterminer le numéro de la station. Ces chiffres sont donnés sur la carte à l'emplacement des stations.











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