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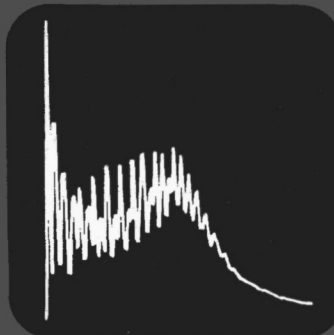
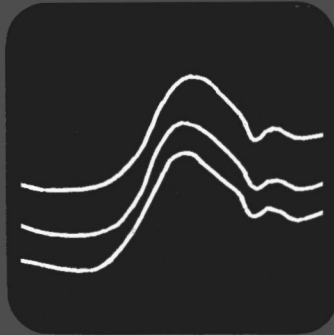
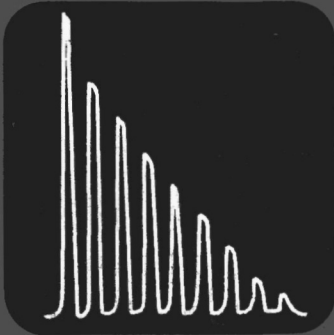
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Detailed Surface Water Quality Data

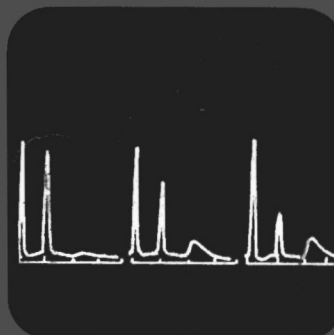
Données détaillées sur la qualité
des eaux de surface

Northwest Territories
Territoires du Nord-Ouest

1977-1979



TD
227
.N7
C362
1977/79



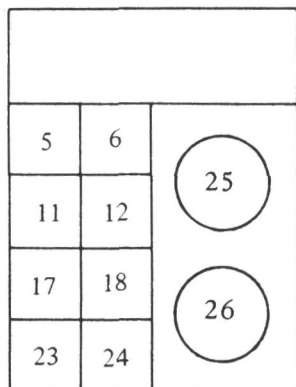
The patterns used to illustrate the cover of this publication are typical of the forms in which results are obtained from instruments used in Water Quality Branch laboratories. The instruments which produced these patterns are only a few of the many instruments in regular use. The list below and the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

AutoAnalyser: 2, 5, 10, 12, 19, 22
 Calibration Curves, AutoAnalyser: 23
 Polarograph: 1, 6, 11, 21
 Gas Chromatograph: 3, 8, 9, 13, 14, 16, 18, 20, 24
 Infrared Spectrophotometer: 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.

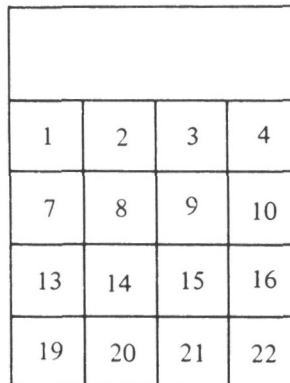
Auto-analyseur: 2, 5, 10, 12, 19, 22
 Courbes d'étalonnage d'auto-analyseur: 23
 Polarographe: 1, 6, 11, 21
 Chromatographe en phase gazeuse: 3, 8, 9, 13, 14, 16, 18, 20, 24
 Spectrophotomètre infrarouge: 4, 17
 Spectromètre de masse: 7, 15
 Ordinateur: 25, 26

FRONT COVER



COUVERTURE AVANT

BACK COVER



COUVERTURE ARRIÈRE



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**Detailed Surface
Water Quality Data**

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

**Northwest Territories
Territoires du Nord-Ouest**

1977-1979

**INLAND WATERS DIRECTORATE
WESTERN AND NORTHERN REGION
WATER QUALITY BRANCH
CALGARY, ALBERTA, 1982**

**DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
RÉGION DE L'OUEST ET DU NORD
DIRECTION DE LA QUALITÉ DES EAUX
CALGARY, ALBERTA, 1982**

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Abstract

Chemical and physical surface water data for the Northwest Territories collected during the period 1977 to 1979 are detailed herein. These data are intended to provide a ready reference to the water quality variables measured.

Résumé

Les données chimiques et physiques sur les eaux de surface des Territoires du Nord-Ouest recueillies entre 1977 et 1979 sont présentées de façon à permettre la consultation rapide des paramètres de la qualité de l'eau mesurés.

INTRODUCTION

The chemical and physical data from selected surface waters in the Northwest Territories during the period 1977 to 1979 are presented in this report. These data were obtained from a number of Water Quality Branch programs. Because of varying 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 samples at strategic locations to provide an overview of the water quality in the aquatic system. This base-line information supports work for assessing trends in the aquatic environment, establishing water quality objectives and assessing the impacts of development.

This report is the second of a series of detailed water quality data reports, with the first publication covering the period 1974-1976. Earlier data collected in the Northwest Territories were summarized in a publication entitled *Water Quality Data, Northwest Territories, 1961-1973*. The detailed publications are intended for those who desire greater access to the available water quality information than can be obtained from the summary publication.

The data contained 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 obtaining the data retrievals and the staff of Drafting Services Division, Environmental Conservation Service, in preparing the map, is gratefully acknowledged. The efforts of Roger McNeely, who validated the data from Ellesmere Island, are also appreciated.

INTRODUCTION

Le présent rapport traite des données d'ordre chimique et physique 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 réalisés entre 1977 et 1979. 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 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, habituellement de courte durée, ont 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 d'échantillons 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'identification des tendances dans l'environnement aquatique, à l'élaboration d'objectifs de la qualité de l'eau et à l'évaluation des effets d'aménagements.

Le rapport qui suit est le deuxième d'une série contenant des données détaillées sur la qualité des eaux; le premier portait sur la période de 1974 à 1976. D'autres données recueillies dans les Territoires du Nord-Ouest avaient été présentées dans une publication précédente, *Données sur la qualité des eaux, Territoires du Nord-Ouest, 1961-1973*. Les rapports détaillés s'adressent aux personnes qui veulent avoir, au sujet des données sur la qualité des eaux, plus de détails que n'en donnait la publication sommaire.

Les données présentées ici sont emmagasinées dans la banque NAQUADAT, système informatisé de stockage et d'extraction de données. 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 Direction de la qualité des eaux, à Hull et à Ottawa, et de la Division du dessin du Service de la conservation de l'environnement, pour leur aide dans l'extraction des données et la préparation de la carte, respectivement. Les auteurs sont également reconnaissants des travaux de M. Roger McNeely, qui a vérifié la validité des données provenant de l'île Ellesmere.

GUIDE TO USE OF TABLES

Data in this report are presented in two sections. Part I contains data from the District of Mackenzie and the District of Keewatin. Part II contains data from the District of Franklin. Within each section the data are arranged in order of the 12-digit code assigned to each station (i.e., NAQUADAT station number). This code incorporates the Water Survey of Canada basin and sub-basin designation. In the stream number, the first two numerals refer to the water type (00 designates a stream; 01, a lake or reservoir; 04, a pond; 31, snow; 32, precipitated ice) 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. The station indices and station location maps are presented at the end of this report. For locations where a Station Parameter code (e.g. 97900S) is given, Water Survey of Canada discharge data are also available for that site. For those wishing to refer to specific discharge data for a site, the appropriate Water Survey Station Reference number can be derived from the NAQUADAT station number by replacing its final four-digit sequence with the three digits of the Station Parameter code. Geographical coordinates of the sampling sites are also provided in the indices.

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 is 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 following table:

<u>Tests</u>	<u>Parameter Code</u>
Chemical tests	ATXYA (AT: Atomic number)
Balances and other calculated parameters	00XYA
General physical tests	02XYA

GUIDE D'UTILISATION DES TABLEAUX

Le présent rapport se divise en deux parties; la première renferme les données recueillies dans le district de Mackenzie et le district de Keewatin, tandis que les données présentées dans la deuxième section viennent du district de Franklin. Les données de chaque partie sont disposées selon le code de 12 éléments assigné à chaque station (c.-à-d. le numéro NAQUADAT de la station); ce code renferme 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; 04, un étang; 31, la neige; 32, la glace précipitée) 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 de séquence de quatre unités. À la fin du présent rapport se trouvent les index des stations et les cartes de l'emplacement des stations. Dans les cas où un code de paramètre (p.ex. 97900S) est présenté, cela indique que des données sur le débit, recueillies par la Division des relevés hydrologiques du Canada, sont également disponibles pour la station en question. 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. Les index comportent 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

General chemical tests	10XY YA
Pesticides and herbicides	18XY YA
Bacteriological tests	36XY YA
Biological information	54XY YA
Other information	97XY YA, 98XY YA and 99XY YA

- (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 subdivide further 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

Essais chimiques généraux	10XY YA
Pesticides et herbicides	18XY YA
Essais bactériologiques	36XY YA
Renseignements biologiques	54XY YA
Autres renseignements	97XY YA, 98XY YA et 99XY YA

- (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 que au moins l'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 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 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 were collected.

UG/L Micrograms per litre

USIE/CM Microsiemens 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 Stn. "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

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 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

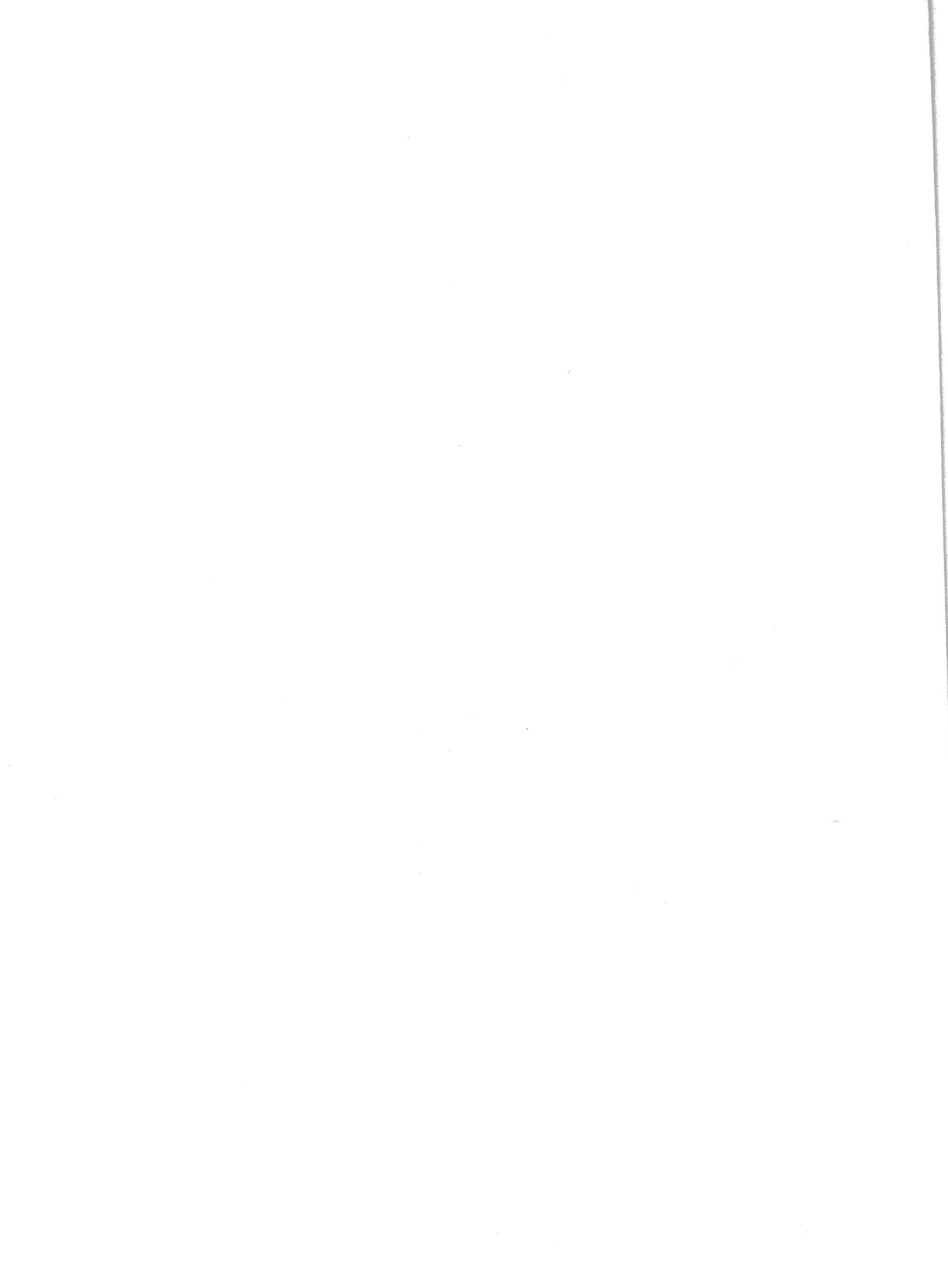
Pour obtenir d'autres renseignements ou pour des données non comprises dans le présent rapport, écrire à:

Agent des ressources de district
Direction de la qualité des eaux
Environnement Canada
220, 4^e 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^e avenue sud-ouest
Calgary (Alberta)
T2R 0E3
Téléphone: (403) 231-5619

Detailed Data
Données détaillées



PART I

**DATA FROM THE DISTRICT OF MACKENZIE
AND THE DISTRICT OF KEEWATIN**

PARTIE I

**DONNÉES RECUEILLIES DANS LE DISTRICT DE MACKENZIE
ET LE DISTRICT DE KEEWATIN**

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
03	09	77	1100	0001		16.1		52.	10.		8.0	10.
15	07	79	1200	0001	13.5	20.4	30.	27.	5.	5.4	6.9	Q12.
12	09	79	1200	0001	5.	22.7	15.	32.	L5.	6.	6.9	Q12.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
03	09	77	1100	0001	8.5		24.	.0	8.6 ^{01L}		18.2	
15	07	79	1200	0001	2.9	1.	Q13.	.0	L10.	8.9		.3
12	09	79	1200	0001	.3	L1.	Q15.	.0	L10.	10.9		.2

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
03	09	77	1100	0001	4.8 ^{01L}	1.5		.7	.5	7.3	3.6 ^{03L}	
15	07	79	1200	0001	1.9		1.0	.6	.3	L1.0	2.2	L.01
12	09	79	1200	0001	2.4		1.2	.6	.3	1.2	3.0	L.05

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
03	09	77	1100	0001	.5	.01 ^{06L}			.51			.005 ^{13L}
15	07	79	1200	0001		L.01	.10	.02		.12	L.003	.005
12	09	79	1200	0001		L.01	.11	.04		.15	L.003	L.003

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
03	09	77	1100	0001	2.0	1.0						
15	07	79	1200	0001			2.2	1.	2.	.18		.10
12	09	79	1200	0001			2.3	2.0	2.0	.25		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
03	09	77	1100	0001				.13	L.01	.001	L.004	.002
15	07	79	1200	0001	L.0005	L.0005	L.02	.09	L.01	.003	L.004	.001
12	09	79	1200	0001	L.0005	L.0005	L.02	.04	L.01	L.001	L.004	.001

DETAILED WATER QUALITY DATA 1977-1979
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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
07	07	77	1300	0001	8.0	21.5		20.	10.		7.2	7.
04	09	77	1100	0001		17.5		35.	10.		7.8	9.
24	08	78	1200	0001	8.	19.9		26.	L5.		7.3	11.
16	07	79	1200	0001	10.	20.0	20.	24.	5.		7.0	Q12.
10	09	79	1200	0001	4.	22.7	20.	26.	L5.	6.9	7.2	Q12.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
07	07	77	1300	0001	2.1		Q11.	.0	6.1 ^{01L}		16.0	
04	09	77	1100	0001	7.6		13.		7.6 ^{01L}		12.8	
04	09	77	1300					.0				
24	08	78	1200	0001	.3		11.	0.	9. ^{01L}	8.6		.1
16	07	79	1200	0001	2.3	L1.	Q11.	.0	L10.	6.5		.2
10	09	79	1200	0001	.3	L1.	Q12.	.0	L10.	9.0		.1

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
07	07	77	1300	0001	3.3 ^{01L}	1.9		.3	.3	1.2	.5 ^{03L}	
04	09	77	1100	0001	3.5 ^{01L}	1.0		.9	.4	2.0	.5 ^{03L}	
24	08	78	1200	0001	2.3		.7	.6	.4	1.	.4	.08
16	07	79	1200	0001	1.6		.6	.5	.4	1.0	.5	.09
10	09	79	1200	0001	2.3		.8	.5	.4	1.2	.5	.08

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
07	07	77	1300	0001	L.1	L.01 ^{06L}			Q.11			.005 ^{13L}
04	09	77	1100	0001	L.1	L.01 ^{06L}			Q.11			.01 ^{13L}
24	08	78	1200	0001		L.01	.15	.04		.19	L.003	.004
16	07	79	1200	0001		L.01	.11	.02		.13	L.003	L.003
10	09	79	1200	0001		L.01	.14	.04		.18	L.003	L.003

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
07	07	77	1300	0001							19.	L.10
04	09	77	1100	0001	2.	5.						L.10
24	08	78	1200	0001			3.2	2. 51L	3. 01L	.21		
16	07	79	1200	0001			2.2	1.	2.	.17		
10	09	79	1200	0001			2.2	2.	2.	.21		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
07	07	77	1300	0001				L.04	L.01	L.001	L.004	L.001
04	09	77	1100	0001				L.04	L.01	.001	L.004	.001
24	08	78	1200	0001	L.0005	L.0005	L.02	L.04	L.01	.001	L.004	.002
16	07	79	1200	0001	L.0005	L.0005	L.02	.06	L.01	.001	L.004	.001
10	09	79	1200	0001	L.0005	L.0005	L.02	.07	L.01	L.001	L.004	.002

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONAT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
08	07	77	1700	0001	5.	21.4		9.	10.		7.0	Q1.
02	09	77	1100	0001		16.6		33.	5.		8.0	1.
23	08	78	1745	0001	10.	20.2		97.	L5.		3.6	
19	07	79	1620	0001	10.5	20.0	9.	8.	5.	7.0	6.3	Q12.
10	09	79	0845	0001	4.	22.6	8.	10.	L5.	7.1	6.5	Q12.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
08	07	77	1700	0001	3.2		Q7.	.0	L1.0 ^{01L}		11.0	
02	09	77	1100	0001	8.8		13.	.0	1.0 ^{01L}		8.9	
23	08	78	1745	0001	.3					Q.7		.2
19	07	79	1620	0001	2.3	L1.	Q9.	.0	L10.	Q.7		.3
10	09	79	0845	0001	.4	1.	Q9.	.0	L10.	2.1		.3

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
08	07	77	1700	0001	2.5 ^{01L}	1.2		.5	.3	1.2	.9 ^{03L}	
02	09	77	1100	0001	1.6 ^{01L}	1.2		.6	.3	7.1	1.0 ^{03L}	
23	08	78	1745	0001	L.1		L.1	.5	.3	L1.0	.5	L.05
19	07	79	1620	0001	L.1		L.1	.3	.2	L1.0	.6	L.01
10	09	79	0845	0001	.5		.2	.5	.2	1.0	.6	L.05

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
08	07	77	1700	0001	L.1	.02 ^{06L}			Q.12			.013 ^{13L}
02	09	77	1100	0001	L.1	L.01 ^{06L}			Q.11			.008 ^{13L}
23	08	78	1745	0001				.04			L.003	L.003
19	07	79	1620	0001		L.01	.06	.02		.08	L.003	L.003
10	09	79	0845	0001		L.01	.08	.03		.11	L.003	L.003

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
08	07	77	1700	0001							22.	L.10
02	09	77	1100	0001	7.	1.						L.10
23	08	78	1745	0001			1.2	L1. 51L	1. 01L	.19		
19	07	79	1620	0001			Q1.2	L1.	L1.	.15		
10	09	79	0845	0001			1.2	L1.	1.	.17		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
08	07	77	1700	0001				L.04	L.01	L.001	L.004	.001
02	09	77	1100	0001				.04	L.01	.001	L.004	.001
23	08	78	1745	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	.001
19	07	79	1620	0001	L.0005	L.0005	L.02	.10	L.01	.002	L.004	.001
10	09	79	0845	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	.001

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
06	07	79	1200	0001	22.	17.7	250.	290.	210.	7.6	7.7	85.
23	08	79	1210	0001	18.	18.8		338.	100.		7.7	116.
19	09	79	1135	0001	12.	22.4		367.	120.	8.2	7.8	123.
12	10	79	1025	0001	7.	17.2	318.	343.	160.		7.9	113.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
06	07	79	1200	0001	34.	63.	154.	.0	70.	134.0		4.4
23	08	79	1210	0001	4.4	7.	174.	.0	95.	142.9		8.5
19	09	79	1135	0001	7.7	18.	188.	.0	101.	154.3		8.7
12	10	79	1025	0001	2.1	14.	187.	.0	93.	152.4		8.2

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
06	07	79	1200	0001	38.0		9.5	11.	2.1	44.	2.6	.10
23	08	79	1210	0001	39.1		11.0	11.	2.4	43.	2.2	.09
19	09	79	1135	0001	41.2		12.5	11.	2.4	48.	3.4	.24
12	10	79	1025	0001	40.1		12.7	12.	2.5	52.	3.6	.10

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
06	07	79	1200	0001		.10	.76	.35		1.11	.026	.14
23	08	79	1210	0001		.43	1.4	.25		1.65	.045	.14
19	09	79	1135	0001		.40	1.3	.41		1.71	.085	.15
12	10	79	1025	0001		.24	1.2	.45		1.65	.053	.14

DETAILED WATER QUALITY DATA 1977-1979

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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
06	07	79	1200	0001			28.6	18.	26.	2.6		
23	08	79	1210	0001			29.6	24.	28.	1.6		
19	09	79	1135	0001			27.0	22.	25.	2.0		
12	10	79	1025	0001			29.9	21.	27.	2.9		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
06	07	79	1200	0001	.0009	L.0005	.18	2.0	.10	.003	L.004	.005
23	08	79	1210	0001	.0009	L.0005	.17					
19	09	79	1135	0001	.0006	L.0005	.19	1.8	.08	.002	L.004	.003
12	10	79	1025	0001	.0007	L.0005	.14	1.8	.05	.003	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979

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						02061F	02061L	02041F	02041L	02011L	10301F	10301L	06201L
						TEMP.	TEMP.	SPECIFIC	SPECIFIC	COLOUR	PH	PH	BICARBONT.
						WATER	WATER	CONDUCT.	CONDUCT.	APPARENT			(CALCD.)
SAMPLE DATE						DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3
D	M	Y	HR	ID	SUBM								MG/L
04	04	77	1520	0001		0.	21.9		14.	10.		6.8	3.
25	05	77	1830	0001			20.0		14.	5.		7.1	5.
18	08	77	1100	0001			21.		14.	5.		7.2	Q1.
29	09	77	1900	0001			20.1		15.	L5.		7.7	6.
05	09	78	1630	0001		9.	18.1		16.	L5.		6.7	6.
27	06	79	1215	0001		5.		15.	19.	5.		6.7	Q12.
08	08	79	1800	0001		9.	20.6	18.	14.	L5.		7.1	Q12.
20	11	79	1630	0001		0.	16.7		26.	L5.		7.4	Q12.

SAMPLE DATE						02073L	10401L	00201L	10151L	10106L	10602L	10603L	14105L	
						TURBIDITY	RESIDUE	TOTAL	ALKALINITY	ALKALINITY	HARDNESS	HARDNESS	SILICA	
							NONFILTR.	DISSOLVED	PHENOL	TOTAL	TOTAL	TOTAL	REACTIVE	
SAMPLE DATE						JTU	MG/L	SOLIDS	PTHALEIN		(CALCD.)			
D	M	Y	HR	ID	SUBM			(CALCD.)	CACO3	CACO3	CACO3	CACO3	SIO2	
									MG/L	MG/L	MG/L	MG/L	MG/L	
04	04	77	1520	0001		5.5		Q9.	.0	2.5 ^{01L}		12.3		
25	05	77	1830	0001		2.0		16.	.0	4.5 ^{01L}		28.3		
18	08	77	1100	0001		5.5		Q5.	.0	L1. ^{01L}		7.5		
29	09	77	1900	0001		1.6		10.	.0	4.9 ^{01L}		10.9		
05	09	78	1630	0001		.2		Q7.	0.	4.6 ^{01L}	3.6		L.1	
27	06	79	1215	0001		3.7	L1.	Q12.	.0	L10.	7.8		.1	
08	08	79	1800	0001		L.1	1.	Q11.	.0	L10.	5.5		.1	
20	11	79	1630	0001		.8	L1.	Q11.	.0	L10.	5.0		.1	

SAMPLE DATE						20103L	12101L	12102L	11103L	19103L	16306L	17206L	09105L
						CALCIUM	MAGNESIUM	MAGNESIUM	SODIUM	POTASSIUM	SULPHATE	CHLORIDE	FLUORIDE
						DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED
SAMPLE DATE						(CALCD.)							
D	M	Y	HR	ID	SUBM	CA	MG	MG	NA	K	SO4	CL	F
						MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
04	04	77	1520	0001		3.7 ^{01L}	.7		.5	.5	1.6	.4 ^{03L}	
25	05	77	1830	0001		8.2 ^{01L}	1.9		.5	.3	1.4	.4 ^{03L}	
18	08	77	1100	0001		2.4 ^{01L}	.4		.6	L.1	L1.0	.2 ^{03L}	
29	09	77	1900	0001		4.0 ^{01L}	.2		.6	.5	1.1	.5 ^{03L}	
05	09	78	1630	0001		.8		.4	.4	.4	2.	.3	L.05
27	06	79	1215	0001		1.8		.8	.6	.4	1.5	.4	L.05
08	08	79	1800	0001		.9		.8	.5	.4	1.5	.4	L.05
20	11	79	1630	0001		1.0		.6	.5	.4	1.6	.4	L.05

DETAILED WATER QUALITY DATA 1977-1979
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					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
04	04	77	1520	0001	.9	.02 06L			.92			L.005 13L
25	05	77	1830	0001	1.1	.03 06L			1.13			L.003 13L
18	08	77	1100	0001	L.1	L.01 06L			Q.11			.042 13L
29	09	77	1900	0001	L.1	.01 06L			Q.11			L.003 13L
05	09	78	1630	0001		L.01	.10	.03		.13	L.003	L.003
27	06	79	1215	0001		.02	.14	.01		.15	L.003	L.003
08	08	79	1800	0001		L.01	.16	L.01		Q.17	.003	.003
20	11	79	1630	0001		.04	.14	.02		.16	L.003	.003

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
04	04	77	1520	0001							L10.	L.10
25	05	77	1830	0001							L10.	
18	08	77	1100	0001	2.	1.					L10.	L.10
29	09	77	1900	0001	1.0	3.5					L10.	.1
05	09	78	1630	0001			2.3	1. 51L	2. 01L	.30		
27	06	79	1215	0001			2.1	1.	2.	.10		
08	08	79	1800	0001			2.2	1.	2.	.15		
20	11	79	1630	0001			2.1	1.	2.	.13		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
04	04	77	1520	0001				L.04	L.01	L.001	L.004	.001
18	08	77	1100	0001				L.04	L.01	.001	L.004	.003
29	09	77	1900	0001				L.04	L.01	.001	.005	.002
05	09	78	1630	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	L.001
27	06	79	1215	0001	L.0005	.0006	L.02	.07	L.01	.001	L.004	L.001
08	08	79	1800	0001	L.0005	L.0005	L.02	L.04	L.01	.005	L.004	.023
20	11	79	1630	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	L.001

DETAILED WATER QUALITY DATA 1977-1979
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

SAMPLE DATE						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST					SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID									
28	11	79	1445	0427		0.	13.7	375.	376.	L5.	7.9	7.8	178.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
CST					SUBM	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SiO2 MG/L
D	M	Y	HR	ID									
28	11	79	1445	0427		1.2		210.	.0	146.	199.7		6.3

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST					SUBM	CA	MG	MG	NA	K	SO4	CL	F
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	11	79	1445	0427		59.7		12.3	1.8	.9	41.	.5	.09

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
CST					SUBM	N	N	N	N	N	N	P	P
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	11	79	1445	0427			.13	.17	L.01		Q.18	.004	

SAMPLE DATE						06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBL.
CST					SUBM	C	C	(CALCD.) C	C	C	C	O2	AL
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	11	79	1445	0427				1.1	41.	1.	.13		

DETAILED WATER QUALITY DATA 1977-1979
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

SAMPLE DATE				33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.	
CST				AS	SE	B	FE	MN	CU	PB	ZN	
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
28	11	79	1445	0427	L.0005	L.0005	.06	.23	L.01	.002	L.004	.010

DETAILED WATER QUALITY DATA 1977-1979

NORTHWEST TERRITORIES

STATION **00NW10ED0002** LAT. **51 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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	ID	SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
21	02	77	1400	0001		0.	19.9		386.	10.		7.8	216.
12	06	79	1200	0001		11.9	20.5	165.	176.	120.	8.0	7.8	77.
17	07	79	1400	0001		16.	23.4	200.	219.	120.	7.9	7.9	100.
16	10	79	1520	0001		5.9	18.6	275.	320.	10.		8.0	141.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	ID	SUBM	JTU	MG/L	MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
21	02	77	1400	0001		3.5		202.	.0	177. 01L		71.6	
12	06	79	1200	0001		300.	584.	95.	.0	63.	95.8		4.6
17	07	79	1400	0001		130.	268.	115.	.0	82.	108.9		4.9
16	10	79	1520	0001		6.1	14.	166.	.0	116.	158.8		5.1

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	ID	SUBM	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
21	02	77	1400	0001		54.1 01L			4.5	1.5	42.	3.1 03L	
12	06	79	1200	0001		27.5		6.6	1.4	.6	16.	.5	.07
17	07	79	1400	0001		30.9		7.7	1.5	.6	20.	.5	.08
16	10	79	1520	0001		44.8		11.4	2.4	.7	30.	1.6	.09

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	ID	SUBM	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
21	02	77	1400	0001		.6	.15 06L			.75			.006 13L
12	06	79	1200	0001			.04	.24				.013	.46
17	07	79	1400	0001			.06	.27	.15		.42	.005	.34
16	10	79	1520	0001			.03	.10	.08		.18	L.003	.012

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
21	02	77	1400	0001				19.	7.		33.	L.1
12	06	79	1200	0001				20.	4.			
17	07	79	1400	0001			9.4	28.	2.	5.4		
16	10	79	1520	0001			2.5			.52		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
21	02	77	1400	0001				.19	.11	.003	L.004	.008
12	06	79	1200	0001	L.0005	L.0005	.06	9.8	.25	.013	.008	.043
17	07	79	1400	0001	.0005	.0007	.07	3.5	.12	.007	L.004	.016
16	10	79	1520	0001	L.0005	.0005	.03	.44	.02	L.001	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBON. (CALCD.)
CST					DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	SUBM ID								
06	01	77	1205	0001	0.	14.3		297.	40.		7.9	160.
20	05	77	1300	0001	10.	20.4		208.	40.		7.8	104.
22	09	77	1610	0001		22.1		211.	40.		7.0	117.
27	10	77	1830	0001	1.	21.1		199.	100.		6.6	124.
27	09	78	1245	0001	6.	20.3		274.	10.		8.3	127.
05	07	79	1200	0001	20.	16.3	220.	238.	50.	8.0	7.8	95.
22	08	79	1340	0001	17.	18.6	233.	253.	10.		8.1	98.
11	10	79	1400	0001	6.	17.2		267.	50.		8.0	108.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN CACO3	10106L ALKALINITY TOTAL CACO3	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE SIO2
D	M	Y	HR	SUBM ID	JTU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
06	01	77	1205	0001	9.1		191.	.0	131.	01L	164.	
20	05	77	1300	0001	13.	14.	125.	.0	85.1	01L	106.	
22	09	77	1610	0001	4.2		204.	.0	96.3	01L	121.	
27	10	77	1830	0001	38.	41.	136.	.0	102.	01L	106.	
27	09	78	1245	0001	3.3		146.	0.	104.		137.4	3.6
05	07	79	1200	0001	6.4	4.	128.	.0	78.		117.4	4.1
22	08	79	1340	0001	4.2	4.	124.	.0	80.		111.2	3.8
11	10	79	1400	0001	29.0	20.	130.	.0	89.		116.0	3.6

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED	
D	M	Y	HR	SUBM ID	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L	
06	01	77	1205	0001	49.9	01L	9.6	6.5	1.8	35.5	2.4	03L	
20	05	77	1300	0001	31.5	01L	6.6	5.0	1.0	23.5	3.5	03L	
22	09	77	1610	0001	42.5	01L	3.6	2.9	1.1	90.	2.5	03L	
27	10	77	1830	0001	37.5	01L	3.0	4.9	1.2	21.	3.0	03L	
27	09	78	1245	0001	41.5			8.2	5.2	1.1	21.	3.1	.08
05	07	79	1200	0001	35.0		7.3	4.9	1.3	26.	2.9	.07	
22	08	79	1340	0001	33.0		7.0	5.7	1.1	21.	4.1	.07	
11	10	79	1400	0001	34.6		7.2	4.8	1.2	22.	3.1	.08	

DETAILED WATER QUALITY DATA 1977-1979

NORTHWEST TERRITORIES

STATION **00NW10FB001** 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					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
06	01	77	1205	0001	.8	.02	.06L		.82			.013
20	05	77	1300	0001	1.6	.02	.06L		1.62			.023
22	09	77	1610	0001	L.1	.02	.06L		Q.12			.01
27	10	77	1830	0001	L.1	.01	.06L		Q.11			.048
27	09	78	1245	0001		L.01		.37	.06	.43	.004	
05	07	79	1200	0001		.05		.42	.05	.47	.009	.015
22	08	79	1340	0001		.01		.33	.06	.39	.004	.20
11	10	79	1400	0001		.02		.33	.17	.50	.006	.042

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
06	01	77	1205	0001							45.	L.1
20	05	77	1300	0001							36.	.30
22	09	77	1610	0001	23.	13.					34.	.10
27	10	77	1830	0001	15.0	19.5					28.	.20
27	09	78	1245	0001				22.	11.			
05	07	79	1200	0001			13.3	19.	13.	.31		
22	08	79	1340	0001			9.4	20.	9.	.35		
11	10	79	1400	0001			11.5	20.	10.	1.5		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
06	01	77	1205	0001				.15	L.01	.004	L.004	.020
20	05	77	1300	0001				.40	.02	L.001	L.004	.004
22	09	77	1610	0001				.13	.04	.002	L.004	L.001
27	10	77	1830	0001				.77	.03	.002	L.004	.006
27	09	78	1245	0001	.0005	L.0005	.04					
05	07	79	1200	0001	.0005	L.0005	.08	.44	.02	.003	L.004	.003
22	08	79	1340	0001	L.0005	L.0005	.04	.38	.03	.002	.004	.004
11	10	79	1400	0001	.0005	L.0005	.04	.63	.03	.003	L.004	.005

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST					DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID								
19	01	77	1230	0001	0.	21.1		124.	75.		7.8	61.
06	04	77	1715	0001	1.	21.3		114.	5.		7.5	66.
19	06	77	1100	0001	12.	19.6		77.	5.		7.7	48.
22	09	77	0950	0001	9.	22.5		86.	5.		6.8	49.
04	10	78	1500	0001	1.	21.4		129.	L5.		8.	49.
09	08	79	1000	0001	15.	20.7		114.	L5.		7.9	44.
19	09	79	1700	0001	9.0	21.2	117.	116.	L5.		7.8	48.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
CST					JTU	MG/L	(CALCD.)	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
D	M	Y	HR	ID								
19	01	77	1230	0001	6.5		70.	.0	50. 01L		64.1	
06	04	77	1715	0001	5.5		75.	.0	54.5 01L		65.2	
19	06	77	1100	0001	7.5		53.	.0	39.5 01L		50.5	
22	09	77	0950	0001	2.2		59.	.0	40.5 01L		49.7	
04	10	78	1500	0001	5.	1.	59.	0.	40.	59.9		1.4
09	08	79	1000	0001	.4	1.	57.	.0	36.	56.9		1.0
19	09	79	1700	0001	1.3	1.	55.	.0	39.	52.7		1.3

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST					CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
D	M	Y	HR	ID								
19	01	77	1230	0001	17.6 01L	4.9		2.8	1.0	10.	2.6 03L	
06	04	77	1715	0001	16.8 01L	5.6		2.5	1.0	11.5	3.0 03L	
19	06	77	1100	0001	13.9 01L	3.8		1.5	.8	7.3	1.5 03L	
22	09	77	0950	0001	16.1 01L	2.3		2.4	.9	9.9	1.9 03L	
04	10	78	1500	0001	14.1		6.0	2.0	.8	8.	2.2	
09	08	79	1000	0001	13.7		5.5	1.9	.9	10.	2.2	.12
19	09	79	1700	0001	12.7		5.1	1.8	.8	8.2	2.1	.11

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

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

UTM **11 465000E 7275000N**

CAMELL RIVER AT OUTLET OF CLUT LAKE,
NORTHWEST TERRITORIES

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
19	01	77	1230	0001	L.1	.07 ^{06L}				Q.17			L.005 ^{13L}
06	04	77	1715	0001	.4	.6 ^{06L}				.98			L.005 ^{13L}
19	06	77	1100	0001	L.1	L.01 ^{06L}				Q.11			L.003 ^{13L}
22	09	77	0950	0001	L.1	L.01 ^{06L}				Q.11			L.003 ^{13L}
04	10	78	1500	0001		.01	.13	.3			.43	L.003	.003
09	08	79	1000	0001		L.01	.10	L.01			Q.11	.003	.006
19	09	79	1700	0001		L.01	.13	.04			.17	L.003	.003

SAMPLE DATE						06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
19	01	77	1230	0001								L10.	L.1
06	04	77	1715	0001								19.	L.10
19	06	77	1100	0001								27.	L.10
22	09	77	0950	0001								L10.	L.10
04	10	78	1500	0001			4.9	10.	3.	1.9			
09	08	79	1000	0001			4.1	10.	4.	.13			
19	09	79	1700	0001			3.1	9.	3.	.14			

SAMPLE DATE						33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L	
19	01	77	1230	0001				L.05	L.01	.004	L.004	.001	
06	04	77	1715	0001				L.04	L.01	.001	L.004	L.001	
19	06	77	1100	0001				L.04	L.01	.003	L.004	L.001	
22	09	77	0950	0001				L.04	L.01	.001	L.004	L.001	
04	10	78	1500	0001	L.0005	L.0005	.03	L.04	L.01	L.001	L.004	L.001	
09	08	79	1000	0001	L.0005	L.0005	.03	L.04	L.01	.003	L.004	L.001	
19	09	79	1700	0001	L.0005	L.0005	.02	.15	L.01	.003	L.004	.002	

DETAILED WATER QUALITY DATA 1977-1979

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,

02061F	02061L	02041F	02041L	02011L	10301F	10301L	06201L
TEMP.	TEMP.	SPECIFIC	SPECIFIC	COLOUR	PH	PH	BICARBONT.
WATER	WATER	CONDUCT.	CONDUCT.	APPARENT			(CALCD.)

SAMPLE DATE

CST					SUBM	DEG.C.		USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3
D	M	Y	HR	ID									MG/L
19	01	77	1630	0001		0.	20.2		162.	75.		8.0	74.
06	04	77	1130	0001		0.	21.4		144.	5.		7.8	73.
19	06	77	2105	0001		1.	19.6		102.	10.		7.9	59.
22	09	77	1700	0001			21.8		144.	5.		7.3	69.
04	10	78	1025	0001		4.	21.6		214.	L5.		8.2	54.
27	07	79	1630	0001		9.0	20.9	159.	166.	L5.	7.5	7.9	110.
19	09	79	1230	0001		5.5	21.7	167.	168.	L5.		7.7	61.
29	11	79	1600	0001		1.0	17.1		162.	L5.		7.7	62.

02073L	10401L	00201L	10151L	10106L	10602L	10603L	14105L
TURBIDITY	RESIDUE	TOTAL	ALKALINITY	ALKALINITY	HARDNESS	HARDNESS	SILICA
	NONFILTR.	DISSOLVED	PHENOL	TOTAL	TOTAL	TOTAL	REACTIVE
		SOLIDS	PTHALEIN		(CALCD.)		

SAMPLE DATE

CST					SUBM	JTU	MG/L	MG/L	CACO3	CACO3	CACO3	CACO3	SIO2
D	M	Y	HR	ID					MG/L	MG/L	MG/L	MG/L	MG/L
19	01	77	1630	0001		5.8		92.	.0	60.6 ^{01L}		73.3	
06	04	77	1130	0001		5.6		87.	.0	59.5 ^{01L}		76.3	
19	06	77	2105	0001		6.4		71.	.0	48. ^{01L}		61.6	
22	09	77	1700	0001		1.4		93.	.0	56.8 ^{01L}		67.7	
04	10	78	1025	0001		5.	3.	76.	0.	44.	73.4		2.5
27	07	79	1630	0001		.3	L1.	99.	.0	90.	59.9		2.3
19	09	79	1230	0001		.9	5.	78.	.0	50.	67.5		2.4
29	11	79	1600	0001		.7	L1.	84.	.0	51.	76.8		2.4

20103L	12101L	12102L	11103L	19103L	16306L	17206L	09105L
CALCIUM	MAGNESIUM	MAGNESIUM	SODIUM	POTASSIUM	SULPHATE	CHLORIDE	FLUORIDE
DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED
	(CALCD.)						

SAMPLE DATE

CST					SUBM	CA	MG	MG	NA	K	SO4	CL	F
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
19	01	77	1630	0001		19.8 ^{01L}	5.8		5.5	1.0	15.	5.5 ^{03L}	
06	04	77	1130	0001		20.7 ^{01L}	6.0		4.5	.8	12.	5.0 ^{03L}	
19	06	77	2105	0001		14.9 ^{01L}	5.9		3.1	.6	12.	3.8 ^{03L}	
22	09	77	1700	0001		16.9 ^{01L}	6.2		4.6	.8	23.	5.0 ^{03L}	
04	10	78	1025	0001		17.2		7.4	3.8	.7	13.	5.0	
27	07	79	1630	0001		11.8		7.4	3.9	.7	14.	4.7	.07
19	09	79	1230	0001		16.0		6.7	3.8	.6	14.	4.8	.08
29	11	79	1600	0001		17.4		8.1	4.2	.8	15.	5.1	.08

DETAILED WATER QUALITY DATA 1977-1979
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			07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL	
D	M	Y	HR	ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
19	01	77	1630	0001	L.1	.17 ^{06L}		Q.27			L.005 ^{13L}
06	04	77	1130	0001	.4	.17 ^{06L}		.61			L.005 ^{13L}
19	06	77	2105	0001	L.1	.11 ^{06L}		Q.21			L.003 ^{13L}
22	09	77	1700	0001	L.1	.13 ^{06L}		Q.23			L.005 ^{13L}
04	10	78	1025	0001		.14	.20	.02	.22	L.003	.003
27	07	79	1630	0001		.16	.20	.03	.23	L.003	.004
19	09	79	1230	0001		.12	.20	.04	.24	L.003	.008
29	11	79	1600	0001		.17	.24	.02	.26	L.003	.004

SAMPLE DATE			06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.	
D	M	Y	HR	ID	C MG/L	C MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
19	01	77	1630	0001						L10.	L.1
06	04	77	1130	0001						L10.	L.10
19	06	77	2105	0001						L10.	L.10
22	09	77	1700	0001	14.	1.				L10.	L.10
04	10	78	1025	0001			2.1	12.	2.	.07	
27	07	79	1630	0001			1.3	11.	1.	.25	
19	09	79	1230	0001			1.3	13.	1.	.28	
29	11	79	1600	0001			1.1	12.	1.	.07	

SAMPLE DATE			33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.		
D	M	Y	HR	ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
19	01	77	1630	0001				L.04	L.01	.001	L.004	.001
06	04	77	1130	0001				L.04	L.01	.005	L.004	.001
19	06	77	2105	0001				.04	L.01	L.001	L.004	L.001
22	09	77	1700	0001				L.04	L.01	.001	L.004	.001
04	10	78	1025	0001	L.0005	L.0005	.03	L.04	L.01	L.001	L.004	L.001
27	07	79	1630	0001	L.0005	L.0005	.02	.15	L.01	.002	L.004	.002
19	09	79	1230	0001	L.0005	.0006	.03	.05	L.01	L.001	L.004	.001
29	11	79	1600	0001	L.0005	L.0005	.02	.09	L.01	L.001	L.004	.001

DETAILED WATER QUALITY DATA 1977-1979
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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST						DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID	SUBM								
23	07	79	1410	0001	0001	18.5	20.6	230.	240.	70.	7.4	7.9	95.
15	08	79	1100	0001	0001	18.	21.7	255.	254.	30.	7.6	8.1	96.
25	10	79	1530	0001	0001	1.	20.6		261.	10.	7.6	8.1	102.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
CST						JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
D	M	Y	HR	ID	SUBM								
23	07	79	1410	0001	0001	88.	175.	122.	.0	78.	106.8		4.0
15	08	79	1100	0001	0001	37.	2.	131.	.0	79.	115.6		2.8
25	10	79	1530	0001	0001	20.	4.	132.	.0	84.	110.4		3.1

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST						CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
D	M	Y	HR	ID	SUBM								
23	07	79	1410	0001	0001	30.9		7.2	5.2	.7	22.	5.2	.08
15	08	79	1100	0001	0001	32.6		8.3	5.9	.8	27.	5.9	.07
25	10	79	1530	0001	0001	30.2		8.5	7.6	.8	23.	8.6	.10

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
CST						N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
D	M	Y	HR	ID	SUBM								
23	07	79	1410	0001	0001		.06	.23	.25		.48	.010	.016
15	08	79	1100	0001	0001		.03	.19	.11		.30	.007	.045
25	10	79	1530	0001	0001		.07	.20	.05		.25	L.003	.016

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10KA0001** 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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
CST					C	C	(CALCD.)	C	C	C	O2	AL
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
23	07	79	1410	0001			8.7	18.	5.	3.7		
15	08	79	1100	0001			5.2	20.	4.	1.2		
25	10	79	1530	0001			4.4	18.	4.	.36		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
CST					AS	SE	B	FE	MN	CU	PB	ZN
D	M	Y	HR	SUBM ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
23	07	79	1410	0001	L.0005	L.0005	.04	2.8	.10	.006	L.004	.013
15	08	79	1100	0001	L.0005	L.0005	.04	.95	.03	.004	L.004	.007
25	10	79	1530	0001	L.0005	L.0005	.03	.30	.02	.002	L.004	.001

DETAILED WATER QUALITY DATA 1977-1979
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 ARCTIC RED RIVER
NORTHWEST TERRITORIES

SAMPLE DATE					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONATE (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
13	04	77	1400	0001	0.	19.7		271.	30.		7.8	121.
30	08	77	1200	0001		21.1		237.	50.		6.6	75.
16	09	77	1225	0001		20.7		239.	40.		7.6	117.
25	10	77	1100	0001	0.	20.2		210.	30.		6.4	119.
29	11	77	1500	0001	0.	17.5		229.	60.		6.5	128.
30	09	78	1330	0001	7.	20.2		264.	40.		8.2	112.
25	07	79	1620	0001	19.	21.8	232.	243.	100.	8.5	7.8	98.
09	10	79	1529	0001	6.5	20.1		288.	20.	8.3	8.3	113.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
13	04	77	1400	0001	6.6		173.	.0	99.3 ^{01L}		129.	
30	08	77	1200	0001	40.	92.	155.	.0	61.4 ^{01L}		195.	
16	09	77	1225	0001	33.	37.	187.	.0	95.8 ^{01L}		135.6	
25	10	77	1100	0001	10.2	14.	157.	.0	97.8 ^{01L}		129.2	
29	11	77	1500	0001	88.	125.	168.	.0	105. ^{01L}		143.	
30	09	78	1330	0001	34.		147.	0.	92.	121.5		3.8
25	07	79	1620	0001	84.	193.	127.	.0	80.	108.8		3.9
09	10	79	1529	0001	9.2	31.	151.	.0	93.	123.6		3.4

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
13	04	77	1400	0001	37.9 ^{01L}	8.3		11.5	1.1	33.3	17. ^{03L}	
30	08	77	1200	0001	56.3 ^{01L}	13.2		6.5	1.0	31.	6.5 ^{03L}	
16	09	77	1225	0001	30.6 ^{01L}	14.4		2.6	1.0	70.	7.5 ^{03L}	
25	10	77	1100	0001	37.1 ^{01L}	8.9		8.2	1.0	25.5	14.5 ^{03L}	
29	11	77	1500	0001	37.4 ^{01L}	12.0		10.8	2.8	28.	10.5 ^{03L}	
30	09	78	1330	0001	34.0		8.9	7.7	.9	30.	6.1	.09
25	07	79	1620	0001	31.7		7.2	5.7	.8	24.	5.6	.08
09	10	79	1529	0001	35.0		8.8	7.5	.8	31.	8.4	.10

DETAILED WATER QUALITY DATA 1977-1979
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 ARCTIC RED RIVER
NORTHWEST TERRITORIES

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
13	04	77	1400	0001	1.1	.11 06L			1.16			.007 13L
30	08	77	1200	0001	L.1	.04 06L			Q.14			.04 13L
16	09	77	1225	0001	.3	.04 06L			.34			.025 13L
25	10	77	1100	0001	L.1	.04 06L			Q.14			.018 13L
29	11	77	1500	0001	L.1	.13 06L			Q.23			.005 13L
30	09	78	1330	0001		.05	.24	.14		.38	.008	.056
25	07	79	1620	0001		.05	.17	.29		.46	.010	.18
09	10	79	1529	0001		.04	.16	.09		.25	L.003	.027

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
13	04	77	1400	0001							26.	L.10
30	08	77	1200	0001	19.	3.0					11.	.70
16	09	77	1225	0001	17.	7.0					18.	.40
25	10	77	1100	0001	21.	7.					18.	.15
29	11	77	1500	0001	17.	13.5					28.	.45
30	09	78	1330	0001			6.8	21.	5.	1.8		
25	07	79	1620	0001			8.9	19.	5.	3.9		
09	10	79	1529	0001			5.0	20.	4.	1.0		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
13	04	77	1400	0001				.10	L.10	.001	L.004	.001
30	08	77	1200	0001				1.67	.04	.003	L.004	.008
16	09	77	1225	0001				.89	.02	.002	L.004	.005
25	10	77	1100	0001				.28	.01	.001	L.004	.001
29	11	77	1500	0001				2.1	.06	.013	.010	.038
30	09	78	1330	0001	.0009	L.0005	.03	1.0	.04	.003	L.004	.009
25	07	79	1620	0001	L.0005	.0005	.04	3.2	.10	.007	L.004	.016
09	10	79	1529	0001	L.0005	L.0005	.03	.52	.02	.003	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10MC001** LAT. **67 D 13 M 15 S** LONG. **134 D 56 M 45 S**

UTM **08 502400E 7455800N**

PEEL RIVER ABOVE FORT MCPHERSON,
NORTHWEST TERRITORIES

SAMPLE DATE						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST					SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID									
25	07	79	1415	0001		17.	21.8	250.	285.	100.	8.2	7.8	113.
04	10	79	1420	0001		3.5	16.5		378.	50.	8.0	7.9	138.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10603L HARDNESS TOTAL CACO3 MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR	ID		JTU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
25	07	79	1415	0001		86.	143.	146.	.0	93.	136.8		3.5
04	10	79	1420	0001		39.	56.	206.	.0	113.	177.8		1.3

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST					SUBM	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
D	M	Y	HR	ID									
25	07	79	1415	0001		37.3		10.6	3.0	.4	34.	1.2	.06
04	10	79	1420	0001		45.8		15.4	6.2	.5	67.	2.0	.10

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
CST					SUBM	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
D	M	Y	HR	ID									
25	07	79	1415	0001			.07	.2	.23		.43	.015	.15
04	10	79	1420	0001			.09	.19	.16		.35	.005	.076

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10MC0001** LAT. **67 D 13 M 15 S** LONG. **134 D 56 M 45 S**

UTM **08 502400E 7455800N**

PEEL RIVER ABOVE FORT MCPHERSON,
NORTHWEST TERRITORIES

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
25	07	79	1415	0001			9.0	22.	5.	4.0		
04	10	79	1420	0001			4.9	24.	3.	1.9		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
25	07	79	1415	0001	L.0005	.0006	.05	3.5	.08	.006	L.004	.020
04	10	79	1420	0001	L.0005	L.0005	.08	1.5	.04	.005	L.004	.021

DETAILED WATER QUALITY DATA 1977-1979
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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST						DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID	SUBM								
14	04	77	1310	0001		0.	19.7		343.	5.		7.6	182.
12	08	77	1330	0001			21.1		313.	5.		7.2	57.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10603L HARDNESS TOTAL CACO3 MG/L	14105L SILICA REACTIVE SIO2 MG/L
D	M	Y	HR	ID	SUBM	JTU	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
14	04	77	1310	0001		3.9		214.	.0	149.	01L	189.	
12	08	77	1330	0001		8.4		149.	.0	46.6	01L	175.	

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	ID	SUBM	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
14	04	77	1310	0001		52.9	01L	13.8	5.0	.6	44.0	5.0	03L
12	08	77	1330	0001		51.5	01L	11.3	4.0	.7	48.0	2.8	03L

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	ID	SUBM	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
14	04	77	1310	0001		L.1				Q.27			L.005
12	08	77	1330	0001		L.1	.17	06L		Q.13			.022
							.03	06L					

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
14	04	77	1310	0001							21.	L.10
12	08	77	1330	0001	28.	1.0						.20

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
14	04	77	1310	0001				.08	.01	.002	.004	L.001
12	08	77	1330	0001				.36	.02	.001	.005	.003

DETAILED WATER QUALITY DATA 1977-1979
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

02061F	02061L	02041F	02041L	02011L	10301F	10301L	06201L
TEMP.	TEMP.	SPECIFIC	SPECIFIC	COLOUR	PH	PH	BICARBONT.
WATER	WATER	CONDUCT.	CONDUCT.	APPARENT			(CALCD.)

SAMPLE DATE

CST				SUBM								HCO3
D	M	Y	HR	ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	MG/L
15	04	77	1155	0001	0.	19.2		558.	20.		7.6	187.
27	09	77	1200	0001		21.9		249.	10.		7.4	116.
03	10	79	1445	0001	0.	17.1	250.	291.	30.	8.1	7.9	110.

02073L	10401L	00201L	10151L	10106L	10602L	10603L	14105L
TURBIDITY	RESIDUE	TOTAL	ALKALINITY	ALKALINITY	HARDNESS	HARDNESS	SILICA
	NONFILTR.	DISSOLVED	PHENOL	TOTAL	TOTAL	TOTAL	REACTIVE

SAMPLE DATE

CST				SUBM								SiO2
D	M	Y	HR	ID	JTU	MG/L	(CALCD.)	CACO3	CACO3	CACO3	CACO3	MG/L
15	04	77	1155	0001	3.5		355.	.0	153.	01L	217.	
27	09	77	1200	0001	2.6		179.	.0	95.1	01L	118.	
03	10	79	1445	0001	2.5	6.	149.	.0	90.		121.1	2.7

20103L	12101L	12102L	11103L	19103L	16306L	17206L	09105L
CALCIUM	MAGNESIUM	MAGNESIUM	SODIUM	POTASSIUM	SULPHATE	CHLORIDE	FLUORIDE
DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED	DISSOLVED

SAMPLE DATE

CST				SUBM								
D	M	Y	HR	ID	CA	MG	MG	NA	K	SO4	CL	F
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	04	77	1155	0001	49.1	22.9		50.0	2.5	69.0	64.8	03L
27	09	77	1200	0001	29.4	10.8		2.6	1.0	65.	11.	03L
03	10	79	1445	0001	31.7		10.2	10.	.9	27.	12.	.12

07002L	07110L	07651L	07902L	07602L	07603L	15103L	15406L
NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN	PHOSPHORUS	PHOSPHORUS
TOTAL	DISSOLVED	DISSOLVED	PARTICUL.	TOTAL	TOTAL	TOTAL	TOTAL

SAMPLE DATE

CST				SUBM								
D	M	Y	HR	ID	N	N	N	N	N	N	P	P
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	04	77	1155	0001	1.1	.21			1.35			L.005
27	09	77	1200	0001	L.1	L.01		.03	Q.11			L.003
03	10	79	1445	0001		.01	.33	.03		.36	.003	.007

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
15	04	77	1155	0001							38.	L.10
27	09	77	1200	0001	17.	14.		19.0	10.0		27.	L.10
03	10	79	1445	0001			10.3			.25		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
15	04	77	1155	0001				.05	L.01	.004	.004	.008
27	09	77	1200	0001				.13	L.01	.001	L.004	.001
03	10	79	1445	0001	L.0005	L.0005	.06	.23	.01	L.001	L.004	.001

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10PB0001** 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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L	
22	03	77	1300	0001	0.	13.6		12.	5.		7.1	47.	
26	09	78	1600	0001		19.1		13.	L5.		6.9	Q12.	
03	07	79	1300	0001	7.	23.5	12.	13.	5.		6.3	Q12.	
13	08	79	1310	0001	8.	21.6	11.	12.	L5.		6.8	Q12.	
13	09	79	1215	0001	7.	21.5	12.	13.	5.		6.8	Q12.	

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	MG/L	MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
22	03	77	1300	0001	2.0		28.	.0	38.4 ^{01L}			4.4	
26	09	78	1600	0001	.2		Q9.	0.	L10.	2.9			.2
03	07	79	1300	0001	2.2	2.	Q11.	.0	L10.	5.7			.2
13	08	79	1310	0001	.2	L1.	Q11.	.0	L10.	5.8			.2
13	09	79	1215	0001	.3	L1.	Q11.	.0	L10.	4.8			.2

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L	
22	03	77	1300	0001	1.0 ^{01L}	.5		.5	.3	1.6	.5 ^{03L}		
26	09	78	1600	0001	.5		.4	.5	.4	1.		L.05	
03	07	79	1300	0001	1.3		.6	.7	.4	1.2	.3	L.05	
13	08	79	1310	0001	1.0		.8	.5	.4	1.4	.2	L.05	
13	09	79	1215	0001	1.1		.5	.5	.4	1.5	.4	L.05	

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
22	03	77	1300	0001	L.1	.05 ^{06L}		.14	.04	Q.15			L.005 ^{13L}
26	09	78	1600	0001		.05		.04		.18		L.003	L.003
03	07	79	1300	0001		.06		L.01		Q.15		L.003	L.003
13	08	79	1310	0001		.05		L.01		Q.15		L.003	L.003
13	09	79	1215	0001		.04	.13	.03		.16		L.003	.003

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10PB0001** 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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
22	03	77	1300	0001							22.	L.1
26	09	78	1600	0001			2.2	L1.	2.	.2		
03	07	79	1300	0001			2.1	1.	2.	.12		
13	08	79	1310	0001			2.2	L1.	2.	.15		
13	09	79	1215	0001			2.1	1.	2.0	.12		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
22	03	77	1300	0001				L.04	L.01	.005	L.004	.002
26	09	78	1600	0001	L.0005	L.0005	L.02	L.04	L.01	.002	L.004	.003
03	07	79	1300	0001	L.0005	L.0005	L.02	.11	L.01	.003	L.004	.022
13	08	79	1310	0001	L.0005	L.0005	L.02	L.04	L.01	.003	L.004	.004
13	09	79	1215	0001	L.0005	L.0005	L.02	.07	L.01	.002	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979

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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	ID	SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
22	03	77	1530	0001		0.	15.4		66.	L5.		7.6	47.
08	07	77	1230	0001		13.	21.4		69.	10.		8.3	46.
23	09	77	1545	0001		5.	19.4		29.	5.		7.7	37.
09	08	78	2140	0001		0.	21.0		69.	L5.		7.8	35.
21	09	78	0950	0001		3.	18.8		70.	L5.		7.9	39.
03	07	79	2130	0001		9.	23.5	68.	77.	30.		7.5	39.
14	08	79	1000	0001		9.	21.3	63.	66.	5.		7.9	32.
14	09	79	2050	0001		5.	20.9	70.	74.	L5.		7.5	35.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	ID	SUBM	JTU	MG/L	MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
22	03	77	1530	0001		5.0		43.	.0	38.4 01L		44.1	
06	07	77	2115						.0				
08	07	77	1230	0001		8.5		46.	.0	38.0 01L		48.1	
23	09	77	1130						.0				
23	09	77	1545	0001		2.8		39.	.0	30. 01L		49.	
09	08	78	2140	0001		2.7		33.	0.	29. 01L	31.8		1.2
21	09	78	0950	0001		.6		38.	0.	32.	33.7		4.2
03	07	79	2130	0001		28.	8.	37.	.0	32.	32.5		1.4
14	08	79	1000	0001		3.1	1.	30.	.0	26.	29.2		.6
14	09	79	2050	0001		1.6	L1.	35.	.0	29.	35.7		1.0

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	ID	SUBM	CA MG/L	MG	MG	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
22	03	77	1530	0001		9.6 01L	4.9		1.0	.5	1.3	1.6 03L	
08	07	77	1230	0001		12.4 01L	4.2		1.0	.3	3.6	1.4 03L	
23	09	77	1545	0001		6.4 01L	8.0		1.3	.4	1.8	2.5 03L	
09	08	78	2140	0001		6.8		3.6	1.0	.3	1.	1.6	L.05
21	09	78	0950	0001		6.9		4.0	.7	.3	1.	1.5	L.05
03	07	79	2130	0001		7.4		3.4	1.4	.4	1.4	2.0	L.05
14	08	79	1000	0001		7.4		2.6	.7	.3	1.5	1.1	L.05
14	09	79	2050	0001		7.7		4.0	.9	.3	1.8	2.2	L.05

DETAILED WATER QUALITY DATA 1977-1979
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					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
22	03	77	1530	0001	1.3	.06 ^{06L}			1.36			.013 ^{13L}
08	07	77	1230	0001	L.1	.02 ^{06L}			Q.12			.008 ^{13L}
23	09	77	1545	0001	L.1	.01 ^{06L}			Q.11			.010 ^{13L}
09	08	78	2140	0001		.01	.07	.02		.09	.003	.008
21	09	78	0950	0001		.01	.07	.02		.09	L.003	L.003
03	07	79	2130	0001		.02	.12	.02		.14	L.003	.016
14	08	79	1000	0001		.02	.12	L.01		Q.13	L.003	.012
14	09	79	2050	0001		.01	.07	L.01		Q.08	L.003	L.003

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL (CALCD.) ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
22	03	77	1530	0001							24.	L.10
08	07	77	1230	0001							L10.	.26
23	09	77	1545	0001	9.	1.0					L10.	.2
09	08	78	2140	0001			1.1	6. ^{51L}	1. ^{01L}	.07		
21	09	78	0950	0001			1.1	6.	1.	.11		
03	07	79	2130	0001			1.2	8.	1.	.23		
14	08	79	1000	0001			1.1	6.	1.	.12		
14	09	79	2050	0001			Q1.1	7.	L1.	.09		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
22	03	77	1530	0001				L.04	L.01	.006	L.004	.017
08	07	77	1230	0001				.37	L.01	L.001	L.004	.001
23	09	77	1545	0001				.24	L.01	.001	L.004	.002
09	08	78	2140	0001	L.0005	L.0005	.07	.08	L.01			
21	09	78	0950	0001	L.0005	L.0005	L.02	.07	L.01	L.001	L.004	.002
03	07	79	2130	0001	L.0005	L.0005	L.02	1.09	.02	.003	L.004	.013
14	08	79	1000	0001	L.0005	.0007	L.02	.29	L.01	.005	L.004	.004
14	09	79	2050	0001	L.0005	L.0005	L.02	.18	L.01	.001	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10QD0001** LAT. **67 D 42 M 30 S** LONG. **104 D 8 M 30 S**

UTM **13 536000E 7510000N**

ELLICE RIVER NEAR MOUTH,
NORTHWEST TERRITORIES

SAMPLE DATE						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST					SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID									
06	07	77	2115	0001		12.	21.4		17.	10.		7.7	2.
23	09	77	1130	0001		5.	19.3		30.	10.		8.1	4.
20	09	78	0730	0001		2.	18.4		38.	5.		7.	Q12.
05	07	79	1030	0001		13.5	23.6	16.	18.	20.		6.4	Q12.
15	08	79	0845	0001		8.	21.9	21.	23.	5.		6.7	Q12.
11	09	79	0820	0001		5.	20.8		41.	10.		8.4	Q12.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
CST					SUBM	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
D	M	Y	HR	ID									
06	07	77	2115	0001		5.4		9.		2.0 ^{01L}		9.6	
23	09	77	1130	0001		6.		18.		3. ^{01L}		17.1	
20	09	78	0730	0001		3.4		Q18.	0.	L10.	5.4		.6
05	07	79	1030	0001		6.8	4.	Q12.	.0	L10.	5.5		.4
15	08	79	0845	0001		2.7	3.	Q15.	.0	L10.	8.4		.2
11	09	79	0820	0001		5.6	4.	Q17.	.0	L10.	7.4		.6

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST					SUBM	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
D	M	Y	HR	ID									
06	07	77	2115	0001		2.3 ^{01L}	.9		.3	.3	1.7	1.8 ^{03L}	
23	09	77	1130	0001		1.9 ^{01L}	3.0		2.4	.4	2.7	4.7 ^{03L}	
20	09	78	0730	0001		.5		1.0	3.0	.5	1.	5.8	L.05
05	07	79	1030	0001		1.2		.6	1.0	.3	1.2	1.5	L.05
15	08	79	0845	0001		1.7		1.0	1.5	.3	1.5	2.5	L.05
11	09	79	0820	0001		1.3		1.0	3.0	.5	1.9	3.0	.05

DETAILED WATER QUALITY DATA 1977-1979
NORTHWEST TERRITORIES

STATION **00NW10QD0001** LAT. **67 D 42 M 30 S** LONG. **104 D 8 M 30 S**

UTM **13 536000E 7510000N**

ELLICE RIVER NEAR MOUTH,
NORTHWEST TERRITORIES

SAMPLE DATE					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
06	07	77	2115	0001	L.1	.01			Q.11			.008
23	09	77	1130	0001	L.1	.03			Q.13			.010
20	09	78	0730	0001		.01	.13	.05		.18	.004	.009
05	07	79	1030	0001		L.01	.12	.05		.17	L.003	.013
15	08	79	0845	0001		.03	.19	.08		.27	.003	.007
11	09	79	0820	0001		L.01	.12	.03		.15	.005	.012

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC (CALCD.)	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	C MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
06	07	77	2115	0001								
23	09	77	1130	0001	1.	3.5					17.	L.10
20	09	78	0730	0001			3.3	1.	3.	.27	14.	.20
05	07	79	1030	0001			2.4	L1.	2.	.38		
15	08	79	0845	0001			2.6	1.	2.	.57		
11	09	79	0820	0001			2.2	1.	2.	.22		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
06	07	77	2115	0001				.1	L.01	L.001	L.004	.001
23	09	77	1130	0001				.20	L.01	.003	L.004	.012
20	09	78	0730	0001	L.0005	L.0005	L.02	.16	L.01	L.001	L.004	.003
05	07	79	1030	0001	L.0005	.0006	L.02	.32	L.01	.002	L.004	.003
15	08	79	0845	0001	L.0005	L.0005	L.02	.14	L.01	.003	L.004	.003
11	09	79	0820	0001	L.0005	L.0005	L.02	.25	L.01	.002	L.004	.002

DETAILED WATER QUALITY DATA 1977-1979

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					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
D	M	Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
06	07	77	1200	0001	3.	21.1		14.	10.		7.1	4.
10	07	77	1540	0001		21.4		14.	10.		7.0	6.
01	09	77	1200	0001		17.5		40.	5.		8.0	4.
22	08	78	1200	0001	6.5	19.8		13.	5.		7.0	4.
18	07	79	1645	0001	5.0	20.0	15.	16.	5.	6.6	6.6	Q12.
09	09	79	1030	0001	5.	22.3	14.	18.	5.	7.0	7.0	Q12.

SAMPLE DATE					02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
D	M	Y	HR	SUBM ID	JTU	MG/L	(CALCD.) MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
06	07	77	1200	0001	3.0		8.	.0	3.5 ^{01L}		6.7	
10	07	77	1540	0001	2.2		10.	.0	4.6 ^{01L}		11.7	
01	09	77	1200	0001	8.8		15.	.0	3.6 ^{01L}		12.3	
22	08	78	1200	0001	.4		5.	0.	3.3 ^{01L}	2.4		.3
18	07	79	1645	0001	2.4	L1.	Q10.	.0	L10.	3.3		.3
09	09	79	1030	0001	1.8	3.	Q11.	.0	L10.	4.1		.2

SAMPLE DATE					20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
06	07	77	1200	0001	2.6 ^{01L}	.1		.3	.3	1.6	.6 ^{03L}	
10	07	77	1540	0001	3.4 ^{01L}	.8		.3	.5	1.2	.5 ^{03L}	
01	09	77	1200	0001	3.2 ^{01L}	1.0		.5	.3	7.3	.7 ^{03L}	
22	08	78	1200	0001	.8		.1	.4	.3	1.	.6	L.05
18	07	79	1645	0001	.5		.5	.3	.3	1.2	.7	L.01
09	09	79	1030	0001	.8		.5	.5	.3	1.6	.7	L.05

DETAILED WATER QUALITY DATA 1977-1979
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					07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
06	07	77	1200	0001	L.1	.03 ^{06L}			Q.13			.006 ^{13L}
10	07	77	1540	0001	L.1	.02 ^{06L}			Q.12			.006 ^{13L}
01	09	77	1200	0001	L.1	L.01 ^{06L}			Q.11			.01 ^{13L}
22	08	78	1200	0001		.01	.11	.08		.19	L.003	.005
18	07	79	1645	0001		L.01	.12	.14		.26	L.003	.01
09	09	79	1030	0001		L.01	.10	.04		.14	L.003	.010

SAMPLE DATE					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
06	07	77	1200	0001							19.	L.10
10	07	77	1540	0001							42.	L.10
01	09	77	1200	0001	2.	2.						L.10
22	08	78	1200	0001			2.2	1. ^{51L}	2. ^{01L}	.23		
18	07	79	1645	0001			2.3	1.	2.	.32		
09	09	79	1030	0001			1.2	1.	1.	.23		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
06	07	77	1200	0001				.06	L.01	L.001	L.004	L.001
10	07	77	1540	0001				L.04	L.01	L.001	L.004	.001
01	09	77	1200	0001				L.04	L.01	L.001	L.004	.002
22	08	78	1200	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	.001
18	07	79	1645	0001	L.0005	L.0005	L.02	.09	L.01	L.001	L.004	.002
09	09	79	1030	0001	L.0005	L.0005	.02	.10	L.01	.001	L.004	.003

DETAILED WATER QUALITY DATA 1977-1979
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						02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	10301F PH	10301L PH	06201L BICARBONT. (CALCD.)
CST					SUBM	DEG.C.	DEG.C.	USIE/CM	USIE/CM	REL. UNITS	PH UNITS	PH UNITS	HCO3 MG/L
D	M	Y	HR	ID									
14	09	78	1400	0001		.2	9.5		137.	L5.	7.1		9.
19	07	79	2000	0001		6.5	20.0	54.	56.	5.	7.4	6.8	Q12.
10	09	79	0700	0001		4.5	23.0	40.	65.	L5.	6.9	6.8	Q12.

SAMPLE DATE						02073L TURBIDITY	10401L RESIDUE NONFILTR.	00201L TOTAL DISSOLVED SOLIDS (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	10602L HARDNESS TOTAL (CALCD.)	10603L HARDNESS TOTAL	14105L SILICA REACTIVE
CST					SUBM	JTU	MG/L	(CALCD.)	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	CACO3 MG/L	SIO2 MG/L
D	M	Y	HR	ID									
14	09	78	1400	0001		.4		65.	0.	7.01L	19.8		.1
19	07	79	2000	0001		2.4	L1.	Q27.	.0	L10.	9.4		.3
10	09	79	0700	0001		.2	L1.	Q30.	.0	L10.	13.0		.1

SAMPLE DATE						20103L CALCIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	12102L MAGNESIUM DISSOLVED	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	16306L SULPHATE DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
CST					SUBM	CA MG/L	MG MG/L	MG MG/L	NA MG/L	K MG/L	SO4 MG/L	CL MG/L	F MG/L
D	M	Y	HR	ID									
14	09	78	1400	0001		2.8		3.1	17.	1.1	5.	32.	L.05
19	07	79	2000	0001		1.8		1.2	5.2	.5	1.7	10.	.06
10	09	79	0700	0001		2.4		1.7	5.8	.5	2.3	11.	.05

SAMPLE DATE						07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	07602L NITROGEN TOTAL (CALCD.)	07603L NITROGEN TOTAL (CALCD.)	15103L PHOSPHORUS TOTAL DISSOLVED	15406L PHOSPHORUS TOTAL
CST					SUBM	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	N MG/L	P MG/L	P MG/L
D	M	Y	HR	ID									
14	09	78	1400	0001			.01	.14	.03		.17	L.003	.003
19	07	79	2000	0001			.02	.14	.02		.16	.006	.006
10	09	79	0700	0001			.01	.13	.04		.17	L.003	.004

DETAILED WATER QUALITY DATA 1977-1979
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					06051L CARBON TOTAL INORGANIC	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06152L CARBON DISSOLVED INORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	08301L OXYGEN TOTAL COD	13302P ALUMINUM EXTRBLE.
D	M	Y	HR	SUBM ID	C MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L	O2 MG/L	AL MG/L
14	09	78	1400	0001			3.2	1. 51L	3. 01L	.16		
19	07	79	2000	0001			2.2	2.	2.	.17		
10	09	79	0700	0001			2.2	2.	2.	.18		

SAMPLE DATE					33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED	05105L BORON DISSOLVED	26304P IRON EXTRBLE.	25304P MANGANESE EXTRBLE.	29305P COPPER EXTRBLE.	82302P LEAD EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	AS MG/L	SE MG/L	B MG/L	FE MG/L	MN MG/L	CU MG/L	PB MG/L	ZN MG/L
14	09	78	1400	0001	L.0005	L.0005	L.02	L.04	L.01	L.001	L.004	.006
19	07	79	2000	0001	L.0005	L.0005	.02	.10	L.01	.001	L.004	.002
10	09	79	0700	0001	L.0005	L.0005	.02	L.04	L.01	.002	L.004	.001

PART II

DATA FROM THE DISTRICT OF FRANKLIN

PARTIE II

DONNÉES RECUEILLIES DANS LE DISTRICT DE FRANKLIN

SURFACE WATER DATA

The following data are for samples collected in conjunction with the Cape Herschel Project of the Geological Survey of Canada (Terrain Sciences Division) during the spring/summer of 1979. The project's campsite was at the meteorological station of the North Water Project (E.T.H., Zurich, Switzerland), which is on Cape Herschel, 60 m ASL at latitude $78^{\circ}37'N$ and longitude $074^{\circ}42'W$ (UTM: 18/507050mE/8727600mN).

Under WQB Project sub-ID 0467, samples of various media, such as snow, snowpack, rime frost and surface water, were collected by McNeely (WQB) in May and June, and by Blake (GSC) in June and July, 1979.

These data form the basis of a recent manuscript entitled "Environmental Chemistry in East-Central Ellesmere Island, N.W.T.," which also includes water quality data from 1980 and 1981.

DONNÉES SUR LES EAUX DE SURFACE

Les données présentées ci-après viennent des échantillons prélevés dans le cadre de travaux conjoints avec le Programme d'étude du cap Herschel de la Commission géologique du Canada (Division de la science des terrains) pendant le printemps et l'été de 1979. Le camp était établi à la station météorologique du Programme d'étude des eaux du nord (E.T.H., Zurich, Suisse) qui se situe sur le cap Herschel, à une altitude de 60 m au-dessus du niveau de la mer, par $78^{\circ}37'$ de latitude N et $074^{\circ}42'$ de longitude O (coordonnées UTM: 18/507050mE/8727600mN).

Des échantillons de divers matériels (neige, couverture de neige, givre dur, eaux de surface) étaient prélevés pendant les mois de mai et juin par McNeely (DQE) et en juin et juillet par Blake (CGC) dans le cadre du Programme d'étude sub-ID 0467, de la DQE.

Un manuscrit récent intitulé «*Environmental Chemistry in East-Central Ellesmere Island, N.W.T.*» se base sur les données renfermées dans le présent rapport ainsi que sur d'autres données sur la qualité de l'eau recueillies durant les années 1980 et 1981.

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **00NW10TC0014** LAT. **78 D 53 M 5 S** LONG. **75 D 44 M 20 S**

UTM **18 484200E 8757000N**

OUTLET STREAM OF TWIN GLACIER,
ALEXANDRA FIORD, ELLESMERE ISLAND, NWT

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
20	06	79	1630	0467	15.	32.	0.0	5.	1.2			0.01

SAMPLE DATE					10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID								
20	06	79	1630	0467	6.5	0.0	4.5	-3.9	26.08		9.4	

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID								
20	06	79	1630	0467	0.4	1.6	2.1	1.0	0.	5.	3.0	3.9

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
20	06	79	1630	0467							0.77	0.01
20	06	79	1631	0467				0.008				0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **00NW10TC0014** LAT. **78 D 53 M 5 S** LONG. **75 D 44 M 20 S** UTM **18 484200E 8757000N**

OUTLET STREAM OF TWIN GLACIER,
ALEXANDRA FIORD, ELLESMERE ISLAND, NWT

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
20	06	79	1631	0467	0.35		L.1		L.001	L.002	0.004	0.44

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L	FROM SURF. M
20	06	79	1630	0467			0.01	L.002		L.001	0.003	0.01
20	06	79	1631	0467	L.004	L.02						0.01

SAMPLE DATE					97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
D	M	Y	HR	SUBM ID	DEG.C	M	FROM SURF. M	%	%	M	M
20	06	79	1630	0467	9.0	0.5	0.01	75.	5.		

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0007** LAT. **78 D 41 M 40 S** LONG. **74 D 23 M 0 S**

UTM **18 513400E 8735800N**

PROTEUS LAKE, SE SIDE OF PIM ISLAND,
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	O2 MG/L	FROM SURF. M
13	06	79	1200	0467	40.	87.	60.	1.5	5.	2.1	18.	0.01
17	06	79	1605	0467	62.	133.		1.0	20.	21.		BOTTOM
20	07	79	1200	0467	24.							0.01

SAMPLE DATE					10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
D	M	Y	HR	SUBM ID	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS	%	F MG/L	CACO3 MG/L	CACO3 MG/L
13	06	79	1200	0467	7.0	0.0	23.	-2.3	29.52	L.05	26.3	34.
17	06	79	1605	0467	7.6	0.0	42.	-1.1	22.43	L.05	49.4	
20	07	79	1200	0467	7.3	0.0	13.8	-2.6	40.22		11.6	

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
D	M	Y	HR	SUBM ID	K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
13	06	79	1200	0467	0.6	5.2	5.9	2.8	0.	28.	10.	1.4
17	06	79	1605	0467	0.8	6.7	13.2	4.0	0.	51.	10. ^{06L}	2.0
20	07	79	1200	0467	0.2	3.7	2.5	1.3	0.	17.	6.7	0.9

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	FROM SURF. M
13	06	79	1200	0467	0.01	0.12	0.07	0.008	L1.	5.	0.8	0.01
17	06	79	1605	0467							6.8 ^{05L}	BOTTOM
20	07	79	1200	0467							0.28 ^{05L}	0.01

CAPE HERSCHEL DATA, 1979
STREAMS, LAKES, PONDS

STATION **01NW10TC0007** LAT. **78 D 41 M 40 S** LONG. **74 D 23 M 0 S**

UTM **18 513400E 8735800N**

PROTEUS LAKE, SE SIDE OF PIM ISLAND,
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
13	06	79	1200	0467	0.067	0.0005	L.1	L.02	0.011	L.002	0.010	0.09
17	06	79	1605	0467		0.0005		0.18				

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L	FROM SURF. M
13	06	79	1200	0467	0.010	L.02	L.01	0.007	L.0005	L.001	0.040	0.01
17	06	79	1605	0467					L.0005			BOTTOM
20	07	79	1200	0467								0.01

SAMPLE DATE					97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
D	M	Y	HR	SUBM ID	DEG.C	M	FROM SURF. M	%	%	M	M
13	06	79	1200	0467	-2.	7.5	0.01	100.	100.	3.04	
17	06	79	1605	0467	-2.	7.5	BOTTOM	100.	100.	3.04	
20	07	79	1200	0467		7.5	0.01		80.	3.04	

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0008** LAT. **79 D 4 M 55 S** LONG. **75 D 42 M 0 S**

UTM **18 485200E 8779000N**

LAKE (LARGE) ON SOUTH SIDE OF BACHE
PENINSULA, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	O2 MG/L	FROM SURF. M
15	06	79	1000	0467	173.	354.	200.	0.0	5.	4.4	15.	0.01

SAMPLE DATE					10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
D	M	Y	HR	SUBM ID	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS	%	F MG/L	CACO3 MG/L	CACO3 MG/L
15	06	79	1000	0467	8.0	0.0	145.	0.3	6.91	0.06	177.6	185.

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
D	M	Y	HR	SUBM ID	K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
15	06	79	1000	0467	1.0	6.1	44.4	16.2	0.	177.	15. 06L	3.6

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	FROM SURF. M
15	06	79	1000	0467	0.01	0.18	0.08	0.020	2.	37.	2.6 05L	0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0008** LAT. **79 D 4 M 55 S** LONG. **75 D 42 M 0 S**

UTM **18 485200E 8779000N**

LAKE (LARGE) ON SOUTH SIDE OF BACHE
PENINSULA, ELLESMERE ISLAND, N.W.T.

13305P	33104L	56301P	05105L	48302P	27302P	29305P	26304P
ALUMINUM	ARSENIC	BARIUM	BORON	CADMIUM	COBALT	COPPER	IRON
EXTRBLE.	DISSOLVED	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	EXTRBLE.	EXTRBLE.

SAMPLE DATE

CST				SUBM	AL	AS	BA	B	CD	CO	CU	FE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
15	06	79	1000	0467		L.0005		0.04				

82302P	80011P	25304P	28302P	34102L	23302P	30305P	97251S
LEAD	MERCURY	MANGANESE	NICKEL	SELENIUM	VANADIUM	ZINC	DEPTH OF
EXTRBLE.	TOTAL	EXTRBLE.	EXTRBLE.	DISSOLVED	EXTRBLE.	EXTRBLE.	SAMPLING

SAMPLE DATE

CST				SUBM	PB	HG	MN	NI	SE	V	ZN	FROM SURF.
D	M	Y	HR	ID	MG/L	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	M
15	06	79	1000	0467					L.0005			0.01

97060S	97001S	97251S	97311S	97301S	97305S	97315S
TEMP.	WATER	DEPTH OF	SNOW COVER	ICE COVER	ICE	SNOW
AIR	DEPTH	SAMPLING	PERCENT	PERCENT	THICKNESS	DEPTH

SAMPLE DATE

CST				SUBM		FROM SURF.					
D	M	Y	HR	ID	DEG.C	M	M	%	%	M	M
15	06	79	1000	0467	2.2	28.	0.01	100.	100.	1.80	

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0009** LAT. **79 D 4 M 45 S** LONG. **75 D 33 M 30 S**

UTM **18 488200E 8778600N**

LAKE (SMALL) ON SOUTH SIDE OF PLATEAU
ON BACHE PENINSULA, ELLESMERE ISLAND,

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
15	06	79	1200	0467	235.	544.		1.0	20.	23.		
17	06	79	1600	0467	245.	506.	309.	0.5	5.	2.3	5.	BOTTOM 0.01

SAMPLE DATE					10301L PH PH UNITS	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID								
15	06	79	1200	0467	8.1	0.0	246.	0.4	20.65	0.07	147.9	
17	06	79	1600	0467	7.5	0.0	255.	0.1	5.90	0.07	207.4	308.

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID								
15	06	79	1200	0467	2.1	18.	27.4	19.3	0.	300.	18.	2.4
17	06	79	1600	0467	0.7	6.0	48.1	21.2	0.	311.	15.06L	1.2

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
15	06	79	1200	0467	0.04	0.80	0.68	0.044	3.0	60.	6.7	BOTTOM
17	06	79	1600	0467	0.01	0.24	0.15	0.004	2.0	62.	4.905L	0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0009** LAT. **79 D 4 M 45 S** LONG. **75 D 33 M 30 S**

UTM **18 488200E 8778600N**

LAKE (SMALL) ON SOUTH SIDE OF PLATEAU
ON BACHE PENINSULA, ELLESMERE ISLAND.

		13305P		33104L		56301P		05105L		48302P		27302P		29305P		26304P			
		ALUMINUM		ARSENIC		BARIUM		BORON		CADMIUM		COBALT		COPPER		IRON			
SAMPLE DATE		EXTRBLE.		DISSOLVED		EXTRBLE.		DISSOLVED		EXTRBLE.		EXTRBLE.		EXTRBLE.		EXTRBLE.			
CST		SUBM		AL		AS		BA		B		CD		CO		CU		FE	
D	M	Y	HR	ID	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	MG/L
15	06	79	1200	0467		L.0005			0.08										
17	06	79	1600	0467		L.0005			0.06										

		82302P		80011P		25304P		28302P		34102L		23302P		30305P		97251S			
		LEAD		MERCURY		MANGANESE		NICKEL		SELENIUM		VANADIUM		ZINC		DEPTH OF			
SAMPLE DATE		EXTRBLE.		TOTAL		EXTRBLE.		EXTRBLE.		DISSOLVED		EXTRBLE.		EXTRBLE.		SAMPLING			
CST		SUBM		PB		HG		MN		NI		SE		V		ZN		FROM SURF.	
D	M	Y	HR	ID	MG/L	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	M	FROM SURF.
15	06	79	1200	0467						L.0005									BOTTOM
17	06	79	1600	0467		L.02				L.0005									0.01

		97060S		97001S		97251S		97311S		97301S		97305S		97315S			
		TEMP.		WATER		DEPTH OF		SNOW COVER		ICE COVER		ICE		SNOW			
SAMPLE DATE		AIR		DEPTH		SAMPLING		PERCENT		PERCENT		THICKNESS		DEPTH			
CST		SUBM		DEG.C		M		FROM SURF.		%		%		M		M	
D	M	Y	HR	ID	DEG.C	M	M	M	%	%	M	M	M	M	M	M	M
15	06	79	1200	0467	0.	6.4	BOTTOM	100.	100.	100.	1.40	0.30					
17	06	79	1600	0467	0.	6.4	0.01	100.	100.	100.	1.40	0.30					

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0011** LAT. **78 D 29 M 30 S** LONG. **76 D 31 M 30 S**

UTM **18 466000E 8713600N**

LAKE IN COL ON SOUTH SIDE OF BAIRD
INLET, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
18	06	79	1100	0467		14.	35.	25.	0.0	5.	2.2	6.0	0.01
20	07	79	1200	0467		5.		50.	6.0			10.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID									
18	06	79	1100	0467		6.0	0.0	9.0	-4.2	29.81	L.05	8.2	12.4
20	07	79	1200	0467		6.4	0.0	1.7	-5.1	46.90		2.3	

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID									
18	06	79	1100	0467		0.4	1.7	1.8	0.9	0.	11.	2.5 ^{06L}	1.2
20	07	79	1200	0467		0.2	1.0	0.5	0.3	0.	2.	1.4	0.8

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
18	06	79	1100	0467		L.01	0.15	0.03	0.003	L1.	2.	2.1 ^{05L}	0.01
20	07	79	1200	0467								0.6	0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0011** LAT. **78 D 29 M 30 S** LONG. **76 D 31 M 30 S**

UTM **18 466000E 8713600N**

LAKE IN COL ON SOUTH SIDE OF BAIRD
INLET, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	CST	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
18	06	79	1100	0467		0.010	L.0005	L.1	L.02	L.001	L.002	L.001	0.11
SAMPLE DATE						82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	CST	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L	FROM SURF. M
18	06	79	1100	0467		L.004	L.02	0.02	L.002	L.0005	L.001	L.001	0.01
20	07	79	1200	0467									0.01
SAMPLE DATE						97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH	
D	M	Y	HR	SUBM ID	CST	DEG.C	M	FROM SURF. M	%	%	M	M	
18	06	79	1100	0467		4.4	2.5	0.01	100.	100.	0.89	0.36	
20	07	79	1200	0467			2.5	0.01		80.			

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0012** LAT. **78 D 29 M 30 S** LONG. **76 D 46 M 10 S**

UTM **18 460600E 8713600N**

LAKE IN BEDROCK BASIN ON SOUTH SIDE OF
BAIRD INLET, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
18	06	79	1700	0467	Q7.	16.	23.	0.0	5.	2.3	13.	0.01
18	06	79	1705	0467	11.	26.	23.	0.0	10.	19.	13.	0.01
20	07	79	1200	0467	4.		20.	2.0				0.01

SAMPLE DATE					10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID								
18	06	79	1700	0467	6.3	0.0	3.0	Q-4.6	26.71	L.05	4.4	5.8
18	06	79	1705	0467	6.4	0.0	5.8	-3.9	23.73		6.2	5.8
20	07	79	1200	0467	6.1	0.0	1.5		41.48		2.0	

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID								
18	06	79	1700	0467	0.3	0.8	1.1	0.4	0.	4.	1.1 ^{06L}	L1.0
18	06	79	1705	0467	0.6	1.0	2.0	0.3	0.	7.	1.6	2.5
20	07	79	1200	0467	0.1	0.7	0.5	0.2	0.	2.	1.2	0.6

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID								
18	06	79	1700	0467	0.08	0.19	0.05	0.005	L1.	L1.	1.0 ^{05L}	0.01
18	06	79	1705	0467							1.7	0.01
20	07	79	1200	0467							0.50	0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **01NW10TC0012** LAT. **78 D 29 M 30 S** LONG. **76 D 46 M 10 S** UTM **18 460600E 8713600N**

LAKE IN BEDROCK BASIN ON SOUTH SIDE OF
BAIRD INLET, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
CST					AL	AS	BA	B	CD	CO	CU	FE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
18	06	79	1700	0467	0.017	L.0005	L.1	L.02	L.001	L.002	0.001	L.04

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
CST					PB	HG	MN	NI	SE	V	ZN	FROM SURF. M
D	M	Y	HR	ID	MG/L	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	M
18	06	79	1700	0467	L.004	L.02	L.01	L.002	L.0005	L.001	0.001	0.01
18	06	79	1705	0467								0.01
20	07	79	1200	0467								0.01

SAMPLE DATE					97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
CST					DEG.C	M	FROM SURF. M	%	%	M	M
D	M	Y	HR	ID	DEG.C	M	M	%	%	M	M
18	06	79	1700	0467	7.3	15.	0.01	100.	100.	1.01	0.43
18	06	79	1705	0467	7.3	15.	0.01	100.	100.	1.01	0.43
20	07	79	1200	0467		0.4	0.01		80.		

CAPE HERSCHEL DATA, 1979

STREAMS,LAKES,PONDS

STATION **01NW10TC0017** LAT. **78 D 36 M 37 S** LONG. **74 D 44 M 21 S**

UTM **18 505750E 8726350N**

ELISON LAKE, IN VALLEY BTWN HERSCHEL
AND ROSSE BAYS, ELLESMERE IS., N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
CST					(CALCD.)						O2	FROM SURF.
D	M	Y	HR	ID	MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	MG/L	M
11	07	79	1200	0467	63.							0.01

SAMPLE DATE					10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
CST						CACO3	CACO3			F	CACO3	CACO3
D	M	Y	HR	ID	PH UNITS	MG/L	MG/L	PH UNITS	%	MG/L	MG/L	MG/L
11	07	79	1200	0467	7.9	0.0	46.1	-0.7	18.83		52.2	

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST					K	NA	CA	MG	CO3	HCO3	CL	SO4
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
11	07	79	1200	0467	0.6	5.7	13.5	4.5	0.	56.	10.3	0.6

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
CST					N	N	N	P	C	C	SIO2	FROM SURF.
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	M
11	07	79	1200	0467							1.04	0.01

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0001** LAT. **78 D 37 M 20 S** LONG. **74 D 40 M 56 S**

UTM **18 507000E 8727700N**

POND (SMALL) AT CAPE HERSCHEL CAMPSITE
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
CST				SUBM							O2	FROM SURF.
D	M	Y	HR	ID	MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	MG/L	M
01	07	79	1200	0467	56.							0.01
05	07	79	1200	0467	42.			0.0				0.01
09	07	79	1200	0467	58.							0.01
14	07	79	1200	0467	97.		140.	10.2			10.	0.35
14	07	79	1205	0467	96.		140.	10.6			10.	0.01
15	07	79	2030	0467			153.	13.5				0.01
15	07	79	2035	0467			150.	13.5				0.30
23	07	79	1200	0467								0.01

SAMPLE DATE					10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
CST				SUBM		CACO3	CACO3			F	CACO3	CACO3
D	M	Y	HR	ID	PH UNITS	MG/L	MG/L	PH UNITS	%	MG/L	MG/L	MG/L
01	07	79	1200	0467	8.0	0.0	45.9	-0.7	18.63		46.0	
05	07	79	1200	0467	8.0	0.0	35.5	-0.9	18.27		34.7	
09	07	79	1200	0467	7.8	0.0	36.3	-0.8	15.36		67.2	
14	07	79	1200	0467	8.2	0.0	85.4	0.0	14.89		84.6	120.
14	07	79	1205	0467	8.3		84.4	0.1	14.98		84.6	120.
23	07	79	1200	0467	8.2	0.0						

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST				SUBM	K	NA	CA	MG	CO3	HCO3	CL	SO4
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
01	07	79	1200	0467	0.5	4.9	12.0	3.9	0.	56.	6.3	0.6
05	07	79	1200	0467	0.3	3.6	9.1	2.9	0.	43.	4.3	0.4
09	07	79	1200	0467	0.5	5.7	18.0	5.4	0.	44.	6.8	0.2
14	07	79	1200	0467	0.5	6.9	22.5	6.9	0.	104.	8.4	0.6
14	07	79	1205	0467	0.5	6.9	22.5	6.9	0.	103.	8.4	0.5
23	07	79	1200	0467	0.6	9.3					10.8	0.8

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0001** LAT. **78 D 37 M 20 S** LONG. **74 D 40 M 56 S** UTM **18 507000E 8727700N**

POND (SMALL) AT CAPE HERSCHEL CAMPSITE
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	FROM SURF. M
01	07	79	1200	0467							1.04	0.01
05	07	79	1200	0467							0.78	0.01
09	07	79	1200	0467							0.64	0.01
14	07	79	1200	0467							0.65	0.35
14	07	79	1205	0467							0.77	0.01
15	07	79	2030	0467								0.01
15	07	79	2035	0467								0.30
23	07	79	1200	0467							0.51	0.01

SAMPLE DATE					13305P ALUMINIUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
09	07	79	1200	0467					L.0001 02L	L.001 02L	0.002 05L	0.02 04L

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L	FROM SURF. M
09	07	79	1200	0467	L.001 02L			L.001 02L			0.002 05L	0.01

SAMPLE DATE					97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
D	M	Y	HR	SUBM ID	DEG.C	M	FROM SURF. M	%	%	M	M
01	07	79	1200	0467		0.4	0.01				
05	07	79	1200	0467		0.4	0.01				
09	07	79	1200	0467		0.4	0.01				
14	07	79	1200	0467	5.5	0.4	0.35				
14	07	79	1205	0467	5.5	0.4	0.01				
15	07	79	2030	0467		0.3	0.01				
15	07	79	2035	0467		0.3	0.30				
23	07	79	1200	0467		0.4	0.01				

CAPE HERSCHEL DATA, 1979

STREAMS,LAKES,PONDS

STATION **04NW10TC0002** LAT. **78 D 37 M 30 S** LONG. **74 D 41 M 45 S**

UTM **18 506700E 8728000N**

POND (SMALL) IN MORAINÉ, CAPE HERSCHEL
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
16	07	79	1200	0467		116.		150.	13.0			12.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID									
16	07	79	1200	0467		7.8	0.0	79.5		26.16		84.5	120.

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID									
16	07	79	1200	0467		1.2	14.0	19.0	9.0	0.	97.	19.1	6.1

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
16	07	79	1200	0467								0.72	0.01

SAMPLE DATE						97060S TEMP. AIR DEG.C	97001S WATER DEPTH M	97251S DEPTH OF SAMPLING FROM SURF. M	97311S SNOW COVER PERCENT %	97301S ICE COVER PERCENT %	97305S ICE THICKNESS M	97315S SNOW DEPTH M
D	M	Y	HR	SUBM ID								
16	07	79	1200	0467			0.3	0.01				

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC003** LAT. **78 D 36 M 22 S** LONG. **74 D 39 M 52 S** UTM **18 507400E 8725900N**

POND (SMALL) IN VALLEY ON SE SIDE OF
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
CST												O2	FROM SURF. M
D	M	Y	HR	ID	SUBM	MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	MG/L	
28	05	79	1200	0467		146.	299.	175.	4.5	5.	0.5		BOTTOM
30	06	79	1200	0467		70.							0.01

SAMPLE DATE						10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
CST													
D	M	Y	HR	ID	SUBM	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS	%	F MG/L	CACO3 MG/L	CACO3 MG/L
28	05	79	1200	0467		8.0	0.0	97.	-0.1	17.70		120.1	
30	06	79	1200	0467		7.9	0.0	28.6	-1.1	35.10		42.3	

SAMPLE DATE						19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST													
D	M	Y	HR	ID	SUBM	K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
28	05	79	1200	0467		1.1	12.	25.0	14.	0.	118.	31.	5.0
30	06	79	1200	0467		0.6	10.7	8.7	5.0	0.	35.	24.7	3.0

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
CST													FROM SURF. M
D	M	Y	HR	ID	SUBM	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	
28	05	79	1200	0467					0.021			0.60	BOTTOM
30	06	79	1200	0467					13P			0.91	0.01

SAMPLE DATE						97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
CST								FROM SURF.				
D	M	Y	HR	ID	SUBM	DEG.C	M	M	%	%	M	M
28	05	79	1200	0467			0.2	BOTTOM		100.	0.11	
30	06	79	1200	0467				0.01		0.		

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0005** LAT. **78 D 42 M 35 S** LONG. **74 D 43 M 0 S** UTM **18 506200E 8737400N**

POND (SMALL), WEST OF RICE STRAIT N OF
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02051F SPECIFIC CONDUCT. AMB. TEMP.	02061F TEMP. WATER	02011L COLOUR APPARENT	02073L TURBIDITY	08103F OXYGEN DISSOLVED DO	97251S DEPTH OF SAMPLING
CST					MG/L	USIE/CM	USIE/CM	DEG.C.	REL. UNITS	JTU	O2 MG/L	FROM SURF. M
D	M	Y	HR	SUBM ID								
05	06	79	1200	0467	21.	49.	30.	2.5	5.	1.8		0.01

SAMPLE DATE					10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)	11250L SODIUM PERCENTAGE (CALCD.)	09105L FLUORIDE DISSOLVED	10602L HARDNESS TOTAL (CALCD.)	10605F HARDNESS TOTAL
CST					PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS	%	F MG/L	CACO3 MG/L	CACO3 MG/L
D	M	Y	HR	SUBM ID								
05	06	79	1200	0467	6.5	0.0	6.0	-3.8	41.18	L.05	9.9	12.

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17203L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST					K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
D	M	Y	HR	SUBM ID								
05	06	79	1200	0467	0.5	3.4	2.0	1.2	0.	7.	8.5 06L	1.6

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14102L SILICA REACTIVE	97251S DEPTH OF SAMPLING
CST					N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SIO2 MG/L	FROM SURF. M
D	M	Y	HR	SUBM ID								
05	06	79	1200	0467	0.03	0.30	0.05	0.005	3.	1.	0.7 05	0.01

CAPE HERSCHEL DATA, 1979

STREAMS,LAKES,PONDS

STATION **04NW10TC0005** LAT. **78 D 42 M 35 S** LONG. **74 D 43 M 0 S** UTM **18 506200E 8737400N**

POND (SMALL), WEST OF RICE STRAIT N OF
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
05	06	79	1200	0467		L.0005		L.02				

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L	FROM SURF. M
05	06	79	1200	0467					L.0005			0.01

SAMPLE DATE					97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
D	M	Y	HR	SUBM ID	DEG.C	M	FROM SURF. M	%	%	M	M
05	06	79	1200	0467	-5.	0.2	0.01	100.	100.	0.12	

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0006** LAT. **78 D 36 M 54 S** LONG. **74 D 40 M 56 S** UTM **18 507000E 8726900N**

POND (SMALL) IN SMALL MORAINÉ VALLEY,
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

SAMPLE DATE						02023L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
09	07	79	1200	0467		35.							0.01
16	07	79	1200	0467		116.		85.	11.5			10.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID									
09	07	79	1200	0467		7.7	0.0	23.4	-1.5	22.50		28.6	
16	07	79	1200	0467		7.8	0.0	79.5	-0.5	26.16		84.5	

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID									
09	07	79	1200	0467		0.5	3.9	7.0	2.7	0.	29.	6.8	0.5
16	07	79	1200	0467		1.2	14.0	19.0	9.0	0.	97.	19.1	6.1

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
09	07	79	1200	0467								0.61	0.01
16	07	79	1200	0467								0.72	0.01

SAMPLE DATE						97060S TEMP. AIR DEG.C	97001S WATER DEPTH M	97251S DEPTH OF SAMPLING FROM SURF. M	97311S SNOW COVER PERCENT %	97301S ICE COVER PERCENT %	97305S ICE THICKNESS M	97315S SNOW DEPTH M
D	M	Y	HR	SUBM ID								
09	07	79	1200	0467						60.		
16	07	79	1200	0467		0.1	0.01			0.		

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0016** LAT. **78 D 36 M 32 S** LONG. **74 D 44 M 46 S**

UTM **18 505600E 8726200N**

POND ON RAISED BEACHED-MORaine AT HEAD
OF HERSCHEL BAY, ELLESMERE ISLAND, NWT

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	ID								
11	07	79	1200	0467	57.							0.01

SAMPLE DATE					10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	ID								
11	07	79	1200	0467		0.0	34.2		29.89		39.8	

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	ID								
11	07	79	1200	0467	0.6	8.0	10.0	3.6	0.	42.	13.6	0.7

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	ID								
11	07	79	1200	0467							0.63	0.01

SAMPLE DATE					97060S TEMP. AIR DEG.C	97001S WATER DEPTH M	97251S DEPTH OF SAMPLING FROM SURF. M	97311S SNOW COVER PERCENT %	97301S ICE COVER PERCENT %	97305S ICE THICKNESS M	97315S SNOW DEPTH M
D	M	Y	HR	ID							
11	07	79	1200	0467			0.01		0.		

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0018** LAT. **78 D 37 M 53 S** LONG. **74 D 42 M 49 S**

UTM **18 506300E 8728700N**

POND (LARGE) ON SOUTH SIDE OF ROSSE
BAY (CAPE HERSCHEL) ELLESMERE ISLAND,

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	ID	SUBM								
15	07	79	1200	0467		Q59.		90.	12.			10.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	ID	SUBM								
15	07	79	1200	0467		7.0	0.0	32.9	Q-2.1	38.45		34.7	

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	ID	SUBM								
15	07	79	1200	0467		0.8	10.3	6.3	4.6	0.	40.	17.2	L.1

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	ID	SUBM								
15	07	79	1200	0467								0.24	0.01

SAMPLE DATE						97060S TEMP. AIR DEG.C	97001S WATER DEPTH M	97251S DEPTH OF SAMPLING FROM SURF. M	97311S SNOW COVER PERCENT %	97301S ICE COVER PERCENT %	97305S ICE THICKNESS M	97315S SNOW DEPTH M
D	M	Y	HR	ID	SUBM							
15	07	79	1200	0467		6.5	0.3	0.01				

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0019** LAT. **78 D 37 M 54 S** LONG. **74 D 44 M 11 S**

UTM **18 505800E 8728750N**

POND (BRACKISH) ON NORTHWEST CAPE
HERSCHEL PENINSULA, SOUTH OF ROSSE BAY

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
15	07	79	1200	0467		7293.		13500.	8.5			12.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID									
15	07	79	1200	0467		7.5	0.0	51.6	-0.4	78.07		1526.0	

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID									
15	07	79	1200	0467		50.	2600.	100.	310.	0.	63.	4200.	2.4

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
15	07	79	1200	0467								0.59	0.01

SAMPLE DATE						97060S TEMP. AIR DEG.C	97001S WATER DEPTH M	97251S DEPTH OF SAMPLING FROM SURF. M	97311S SNOW COVER PERCENT %	97301S ICE COVER PERCENT %	97305S ICE THICKNESS M	97315S SNOW DEPTH M
D	M	Y	HR	SUBM ID								
15	07	79	1200	0467			0.5	0.01	5.	0.		

CAPE HERSCHEL DATA, 1979
STREAMS,LAKES,PONDS

STATION **04NW10TC0020** LAT. **79 D 6 M 30 S** LONG. **76 D 11 M 5 S**

UTM **18 475000E 8782200N**

POND ON NORTHEAST KNUD PENINSULA,
(FLAGLER BAY) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02051F SPECIFIC CONDUCT. AMB. TEMP. USIE/CM	02061F TEMP. WATER DEG.C.	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	08103F OXYGEN DISSOLVED DO O2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
18	07	79	1200	0467		395.		374.	10.2			10.	0.01

SAMPLE DATE						10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS	11250L SODIUM PERCENTAGE (CALCD.) %	09105L FLUORIDE DISSOLVED F MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L	10605F HARDNESS TOTAL CACO3 MG/L
D	M	Y	HR	SUBM ID									
18	07	79	1200	0467		7.7	0.0	70.5	-0.7	53.44		112.4	154.

SAMPLE DATE						19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17203L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID									
18	07	79	1200	0467		7.0	64.0	17.0	17.0	0.	86.	224.	24.1

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14102L SILICA REACTIVE SIO2 MG/L	97251S DEPTH OF SAMPLING FROM SURF. M
D	M	Y	HR	SUBM ID									
18	07	79	1200	0467								1.02	0.01

CAPE HERSCHEL DATA, 1979
STREAMS, LAKES, PONDS

STATION **04NW10TC0020** LAT. **79 D 6 M 30 S** LONG. **76 D 11 M 5 S** UTM **18 475000E 8782200N**

POND ON NORTHEAST KNUD PENINSULA,
(FLAGLER BAY) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE		13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
CST	SUBM	AL	AS	BA	B	CD	CO	CU	FE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L
18	07	79	1200	0467		0.002 ^{02L}	L.001 ^{02L}	0.001 ^{05L}	0.02 ^{04L}

SAMPLE DATE		82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.	97251S DEPTH OF SAMPLING
CST	SUBM	PB	HG	MN	NI	SE	V	ZN	FROM SURF. M
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	
18	07	79	1200	0467	0.001 ^{02L}				L.001 ^{02L}
									0.002 ^{05L}
									0.01

SAMPLE DATE		97060S TEMP. AIR	97001S WATER DEPTH	97251S DEPTH OF SAMPLING	97311S SNOW COVER PERCENT	97301S ICE COVER PERCENT	97305S ICE THICKNESS	97315S SNOW DEPTH
CST	SUBM	DEG.C	M	FROM SURF. M	%	%	M	M
D	M	Y	HR	ID				
18	07	79	1200	0467	0.3	0.01	0.	

PRECIPITATION DATA

The characteristics of the snow collected have been described under parameter "97316S" with reference to the following key:

PAK/	- Snowpack
RIME	- Rime frost
FRESH	- Immediate collection
R	- Recent (< 12 mo.)
O	- Old (> 12 mo.)
F	- Firm
G	- Granular
P	- Powdery
W	- "High" water content (Wet)
D	- "Low" water content (Dry)

Polychlorinated biphenyls (PCBs) were determined on all snow samples ("31"-type sites). Although care was taken in sampling, melting and transferring the snow samples in the field, the possibility of sample contamination from materials used for space heating, snowmobiles, helicopters and generators was ever present. Concentrations above the analytical detection limits were observed on a number of samples, but due to the sporadic nature of the "positive" values, these data were considered to be a result of contamination. Therefore all PCB data have been excluded from the data file. Enquiries concerning the excluded data can be made to the District WQB office.

DONNÉES SUR LES PRÉCIPITATIONS

Les caractéristiques des échantillons de neige sont décrites sous l'en-tête «97316S»; on présente ici la légende des symboles employés:

PAK/	- couverture de neige
RIME	- givre dur
FRESH	- nouvellement recueillie
R	- récemment recueillie (< 12 mois)
O	- recueillie dans le passé (> 12 mois)
F	- ferme
G	- granulaire
P	- poudreuse
W	- teneur en eau élevée
D	- teneur en eau faible

On a mesuré la teneur en biphényles polychlorés (BPC) de tous les échantillons de neige (provenant des stations du type «31»). Bien qu'on essaie d'éviter que les échantillons ne soient contaminés pendant le prélèvement, la fonte et le transport, la présence des appareils de chauffage, des motoneiges, des hélicoptères et des génératrices menaçait constamment l'intégrité des échantillons. On a observé des concentrations au-dessus des limites de détection dans bon nombre des échantillons mais, vu que ces valeurs «positives» n'ont été observées que sporadiquement, on les a attribuées à une contamination; par conséquent, on a exclu toutes les données relatives aux teneurs en BPC. Les demandes relatives à ces données devraient s'adresser au bureau régional de la Direction de la qualité des eaux.

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0001** LAT. **78 D 37 M 20 S** LONG. **74 D 40 M 56 S** UTM **18 507000E 8727700N**

POND (SMALL) AT CAPE HERSCHEL CAMPSITE
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	10301L PH PH UNITS	10151L ALKALINITY PHENOL PTHHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS
D	M	Y	HR	ID								
24	05	79	1210	0467	Q2.7	5.	5.	2.3	6.4	0.0	1.0	Q-6.0

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17206L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	ID								
24	05	79	1210	0467	L.1	0.4	L.1	0.2	0.0	1.2	0.3	L1.0

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14105L SILICA REACTIVE SIO2 MG/L	09105L FLUORIDE DISSOLVED F MG/L
D	M	Y	HR	ID								
24	05	79	1200	0467				0.008 ^{13P}				
24	05	79	1210	0467	0.02	0.05	0.10	L.003	L1.	L1.0	L.1	L.05

SAMPLE DATE					13305P ALUMINUM EXTRBLE. AL MG/L	33104L ARSENIC DISSOLVED AS MG/L	56301P BARIUM EXTRBLE. BA MG/L	05105L BORON DISSOLVED B MG/L	48302P CADMIUM EXTRBLE. CD MG/L	27302P COBALT EXTRBLE. CO MG/L	29305P COPPER EXTRBLE. CU MG/L	26304P IRON EXTRBLE. FE MG/L
D	M	Y	HR	ID								
24	05	79	1210	0467		L.0005		L.02				

SAMPLE DATE					82302P LEAD EXTRBLE. PB MG/L	80011P MERCURY TOTAL HG UG/L	25304P MANGANESE EXTRBLE. MN MG/L	28302P NICKEL EXTRBLE. NI MG/L	34102L SELENIUM DISSOLVED SE MG/L	23302P VANADIUM EXTRBLE. V MG/L	30305P ZINC EXTRBLE. ZN MG/L
D	M	Y	HR	ID							
24	05	79	1210	0467					L.0005		

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0001** LAT. **78 D 37 M 20 S** LONG. **74 D 40 M 56 S**

UTM **18 507000E 8727700N**

POND (SMALL) AT CAPE HERSCHEL CAMPSITE
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						18130L ALDRIN	18075L ALPHA-BHC	18070L GAMMA-BHC (LINDANE)	18060L ALPHA-(CIS) CHLORDANE	18065L GAMMA-(TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE					
D	M	Y	HR	CST	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L					
24	05	79	1200	0467	L.001	32L	0.003	77L	L.001	72L	L.001	62L	L.001	67L	L.001	L.001	07L	L.001
24	05	79	1205	0467	L.001		0.002		L.001		L.003		L.002		L.004		L.001	
24	05	79	1206	0467	L.001		0.002		L.001		L.003		L.002		L.004		L.001	
24	05	79	1207	0467	L.001		0.002		L.001		L.003		L.002		L.004		L.001	
24	05	79	1210	0467	L.001		L.001		L.001		L.003		L.002		L.004		L.002	
24	05	79	1211	0467	L.001		L.001		L.001		L.003		L.002		L.004		L.001	

SAMPLE DATE						18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE					
D	M	Y	HR	CST	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L					
24	05	79	1200	0467	L.005		L.001	57L	L.001	42L	0.001	52L	L.001	42L	L.001	47L	L.001	24L
24	05	79	1205	0467	L.001		L.003		L.002		L.002		L.001		L.002		L.01	
24	05	79	1206	0467	L.001		L.003		L.002		L.002		L.001		L.002		L.01	
24	05	79	1207	0467	L.001		L.003		L.002		L.002		L.001		L.002		L.01	
24	05	79	1210	0467	L.001		L.003		L.002		L.002		L.001		L.002		L.01	
24	05	79	1211	0467	L.001		L.003		L.002		L.002		L.001		L.002		L.01	

SAMPLE DATE						06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
D	M	Y	HR	CST	SUBM ID	(PAH'S) UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
24	05	79	1200	0467	L.02		L.001	10L					
24	05	79	1205	0467			L.001						
24	05	79	1206	0467			L.001						
24	05	79	1207	0467			L.001						
24	05	79	1210	0467			L.001						
24	05	79	1211	0467			L.001						

SAMPLE DATE						18125L MIREX	97251S DEPTH OF SAMPLING	97315S SNOW DEPTH	97316S SNOW TYPE	98025S SAMPLE CONTAINER	98021S COLLECTION METHOD	97311S SNOW COVER PERCENT	97060S TEMP. AIR
D	M	Y	HR	CST	SUBM ID	UG/L	FROM SURF M	M	DESCRIPTIVE CODE	DESCRIPTIVE CODE	DESCRIPTIVE CODE	%	DEG.C
24	05	79	1200	0467	L.001	26L	0.15	0.25	PAK/RF	SSTEEL	PUSH	100.	-5.
24	05	79	1205	0467	L.001		0.10	0.25	PAK/RF	SSTEEL	PUSH	100.	-5.
24	05	79	1206	0467	L.001		0.10	0.25	PAK/RF	SSTEEL	PUSH	100.	-5.
24	05	79	1207	0467	L.001		0.10	0.25	PAK/RF	SSTEEL	PUSH	100.	-5.
24	05	79	1210	0467	L.001		0.15	0.25	PAK/RF	GLASS	SCOOP	100.	-5.
24	05	79	1211	0467	L.001		0.15	0.25	PAK/RF	GLASS	SCOOP	100.	-5.

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0002** LAT. **78 D 37 M 30 S** LONG. **74 D 41 M 45 S**

UTM **18 506700E 8728000N**

POND (SMALL) IN MORaine, CAPE HERSCHEL
ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	F MG/L
24	05	79	1200	0467				L.003				

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
24	05	79	1200	0467	L.005		L.05					L.04

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L
24	05	79	1200	0467			L.01				

CAPE HERSCHEL DATA, 1979

SNOW-RIME-PRECIPIATION

STATION **31NW10TC0002** LAT. **78 D 37 M 30 S** LONG. **74 D 41 M 45 S**

UTM **18 506700E 8728000N**

POND (SMALL) IN MORAINES, CAPE HERSCHEL
ELLESMERE ISLAND, N.W.T.

18130L	18075L	18070L	18060L	18065L	18000L	18005L	18020L
ALDRIN	ALPHA-BHC	GAMMA-BHC (LINDANE)	ALPHA-(CIS) CHLORDANE	GAMMA-(TRANS) CHLORDANE	P,P-DDT	O,P-DDT	P,P-DDE

SAMPLE DATE					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CST				SUBM								
D	M	Y	HR	ID								
24	05	79	1200	0467	L.001	L.001	L.001	L.003	L.002	L.004	L.001	L.001
24	05	79	1201	0467	L.001	L.001	L.001	L.003	L.002	L.004	L.001	L.001
24	05	79	1205	0467	L.001	L.001 32L	L.001 77L	0.001 72L	L.001 62L	L.001 67L	L.001 07L	L.001

18050L	18055L	18140L	18150L	18040L	18045L	18030L	18010L
ALPHA- ENDOSULFAN	BETA- ENDOSULFAN	ENDRIN	HEOD (DIELDRIN)	HEPTACHLOR	HEPTACHLOR EPOXIDE	P,P- METHOXY- CHLOR	P,P-TDE

SAMPLE DATE					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CST				SUBM								
D	M	Y	HR	ID								
24	05	79	1200	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
24	05	79	1201	0467	L.001	L.003	L.002	L.002	L.001	L.001	L.01	L.002
24	05	79	1205	0467	L.005	L.001 57L	L.001 42L	0.002 52L	L.001 42L	L.001 47L	L.001	L.001 24L

06505L	17811L	18555P	18540P	18520P	18500P	18550P	18510P
POLY- AROMATIC HYDROCARBONS	HEXACHLORO- BENZENE	DICHLORPROP	FENOPROP (SILVEX)	MCPA	2,4-D	2,4-DB	2,4,5-T

SAMPLE DATE					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CST				SUBM	(PAH'S)						
D	M	Y	HR	ID							
24	05	79	1200	0467		L.001					
24	05	79	1201	0467		L.001					
24	05	79	1205	0467	L.02	L.001	L.001 10L				

18125L	97251S	97315S	97316S	98025S	98021S	97311S	97060S
MIREX	DEPTH OF SAMPLING	SNOW DEPTH	SNOW TYPE	SAMPLE CONTAINER	COLLECTION METHOD	SNOW COVER PERCENT	TEMP. AIR

SAMPLE DATE					UG/L	FROM SURF.	DESCRIPTIVE	DESCRIPTIVE	DESCRIPTIVE	%	DEG.C
CST				SUBM							
D	M	Y	HR	ID		M	CODE	CODE	CODE		
24	05	79	1200	0467	L.001	0.15	PAK/RF	GLASS	PUSH	100.	-5.
24	05	79	1201	0467	L.001	0.15	PAK/RF	GLASS	PUSH	100.	-5.
24	05	79	1205	0467	L.001	0.15 26L	PAK/RF	GLASS	PUSH	100.	-5.

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0004** LAT. **78 D 36 M 35 S** LONG. **74 D 40 M 8 S** UTM **18 507300E 8726300N**

COL BETWEEN REF. STN. 30NW10TC0015 AND
STN. 04NW10TC0003, CAPE HERSCHEL, NWT.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	02073L TURBIDITY	10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)
D	M	Y	HR	SUBM ID	MG/L	USIE/CM	REL. UNITS	JTU	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS
28	05	79	1600	0467	Q7.6	30.	5.	7.4	6.3	0.0	2.0	Q-5.8

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17206L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
D	M	Y	HR	SUBM ID	K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
28	05	79	1600	0467	0.3	3.1	L.1	0.4	0.0	2.4	1.3	1.2

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SI02 MG/L	F MG/L
28	05	79	1600	0467	0.06	0.12	0.05	0.014	L.1.	L.1.	L.1	L.05

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
28	05	79	1600	0467		L.0005		0.02				

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L
28	05	79	1600	0467					L.0005		

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0004** LAT. **78 D 36 M 35 S** LONG. **74 D 40 M 8 S** UTM **18 507300E 8726300N**

COL BETWEEN REF. STN. 30NW10TC0015 AND
STN. 04NW10TC0003, CAPE HERSCHEL, NWT.

SAMPLE DATE						18130L ALDRIN	18075L ALPHA- BHC	18070L GAMMA- BHC (LINDANE)	18060L ALPHA- (CIS) CHLORDANE	18065L GAMMA- (TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE
CST				SUBM									
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
28	05	79	1600	0467	L.001	0.004	L.001	L.003	L.002	L.004	L.001	L.001	
28	05	79	1601	0467	L.001	0.002	L.001	L.003	L.002	L.004	L.001	L.001	

SAMPLE DATE						18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE
CST				SUBM									
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
28	05	79	1600	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002	
28	05	79	1601	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002	

SAMPLE DATE						06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
CST				SUBM	(PAH'S)								
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
28	05	79	1600	0467		L.001							
28	05	79	1601	0467		L.001							

SAMPLE DATE						18125L MIREX	97251S DEPTH OF SAMPLING	97315S SNOW DEPTH	97316S SNOW TYPE	98025S SAMPLE CONTAINER	98021S COLLECTION METHOD	97311S SNOW COVER PERCENT	97060S TEMP. AIR
CST				SUBM	FROM SURF.			DESCRIPTIVE	DESCRIPTIVE	DESCRIPTIVE			
D	M	Y	HR	ID	UG/L	M	M	CODE	CODE	CODE	%	DEG.C	
28	05	79	1600	0467	L.001	0.10	1.00	PAK/RF	GLASS	PUSH		-5.	
28	05	79	1601	0467	L.001	0.10	1.00	PAK/RF	GLASS	PUSH		-5.	

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0006** LAT. **78 D 36 M 54 S** LONG. **74 D 40 M 56 S** UTM **18 507000E 8726900N**

POND (SMALL) IN SMALL MORAINNE VALLEY,
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

18125L 97251S 97315S 97316S 98025S 98021S 97311S 97060S												
MIREX DEPTH OF SNOW SNOW TYPE SAMPLE COLLECTION SNOW COVER TEMP.												
SAMPLING DEPTH CONTAINER METHOD PERCENT AIR												
SAMPLE DATE												
CST				SUBM	FROM SURF.	DESCRIPTIVE	DESCRIPTIVE	DESCRIPTIVE				
D	M	Y	HR	ID	UG/L	M	M	CODE	CODE	CODE	%	DEG.C
07	06	79	1500	0467	L.001	2.00	2.20	PAK/OG	GLASS	PUSH	80.	0.
07	06	79	1501	0467	L.001	2.00	2.20	PAK/OG	GLASS	PUSH	80.	0.
07	06	79	1505	0467	L.001	1.50	2.20	PAK/RF	SSTEEL	PUSH	80.	0.
07	06	79	1506	0467	L.001	1.50	2.20	PAK/RF	SSTEEL	PUSH	80.	0.
07	06	79	1515	0467	L.001	0.70	2.20	PAK/RF	SSTEEL	PUSH	80.	0.
07	06	79	1516	0467		0.70	2.20	PAK/RF	SSTEEL	PUSH	80.	0.
07	06	79	1520	0467	L.001	0.13	2.20	PAK/RW	GLASS	PUSH	80.	0.
07	06	79	1521	0467	L.001	0.13	2.20	PAK/RW	GLASS	PUSH	80.	0.

00203L 02041L 02011L 02073L 10301L 10151L 10106L 00210L												
TOTAL SPECIFIC COLOUR TURBIDITY PH ALKALINITY ALKALINITY SATURATION												
DISSOLVED CONDUCT. APPARENT PHENOL PHTHALEIN TOTAL INDEX												
SAMPLING SOLIDS (CALCD.)												
CST				SUBM	(CALCD.)	USIE/CM	REL. UNITS	JTU	PH UNITS	CACO3	CACO3	PH UNITS
D	M	Y	HR	ID	MG/L					MG/L	MG/L	
07	06	79	1500	0467	82.9	186.	5.	5.3	7.0	0.0	7.	-3.2
07	06	79	1515	0467	Q3.1	25.	5.	2.8	5.3	0.0	L1.	Q-7.1
07	06	79	1520	0467	Q15.2	56.		2.5	6.2	0.0	1.	Q-6.2

19103L 11103L 20103L 12102L 06301L 06201L 17206L 16306L												
POTASSIUM SODIUM CALCIUM MAGNESIUM CARBONATE BICARBON. CHLORIDE SULPHATE												
DISSOLVED DISSOLVED DISSOLVED DISSOLVED (CALCD.) (CALCD.) DISSOLVED DISSOLVED												
SAMPLE DATE												
CST				SUBM	K	NA	CA	MG	CO3	HCO3	CL	SO4
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	06	79	1500	0467	0.1	24.	2.8	3.0	0.0	8.5	43.	5.8
07	06	79	1515	0467	0.2	0.2	L.1	0.4	0.0	Q1.2	0.6	L.1
07	06	79	1520	0467	0.3	7.6	L.1	0.8	0.0	1.2	4.2	1.6

07110L 07651L 07902L 15406L 06104L 06152L 14105L 09105L												
NITROGEN NITROGEN NITROGEN PHOSPHORUS CARBON CARBON SILICA FLUORIDE												
DISSOLVED DISSOLVED PARTICUL. TOTAL DISSOLVED DISSOLVED REACTIVE DISSOLVED												
SAMPLE DATE												
CST				SUBM	N	N	N	P	C	C	SIO2	F
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	06	79	1500	0467	0.03	0.07	0.06	0.006	L1.	2.	L.1	L.05
07	06	79	1505	0467				L.003				
07	06	79	1515	0467	0.04	0.08	0.07	0.004	L1.	L1.	L.1	L.05
07	06	79	1520	0467	0.14	0.15	L.01	0.005	L1.	L1.	L.1	L.05

CAPE HERSCHEL DATA, 1979

SNOW-RIME-PRECIPITATION

STATION **31NW10TC0006** LAT. **78 D 36 M 54 S** LONG. **74 D 40 M 56 S**

UTM **18 507000E 8726900N**

POND (SMALL) IN SMALL MORAINÉ VALLEY,
CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T

SAMPLE DATE					18130L ALDRIN	18075L ALPHA-BHC	18070L GAMMA-BHC (LINDANE)	18060L ALPHA-(CIS) CHLORDANE	18065L GAMMA-(TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE
D	M	Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
07	06	79	1500	0467	L.001	0.009	0.001	L.003	L.002	L.004	L.001	L.001
07	06	79	1501	0467	L.001	0.007	L.001	L.003	L.002	L.004	L.001	L.001
07	06	79	1505	0467	L.001	0.016	0.006	L.001	L.001	0.001	0.002	L.001
07	06	79	1506	0467	L.001	0.01	0.002	L.003	L.002	L.004	L.001	L.001
07	06	79	1515	0467	L.001	0.018	0.008	0.002	0.002	0.002	0.004	L.001
07	06	79	1520	0467	L.001	0.004	0.001	L.003	L.002	L.004	L.001	L.001
07	06	79	1521	0467	L.001	0.007	0.002	L.003	L.002	L.004	L.001	L.001

SAMPLE DATE					18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE
D	M	Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
07	06	79	1500	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
07	06	79	1501	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
07	06	79	1505	0467	L.005	L.001	L.001	0.004	L.001	L.001	L.001	L.001
07	06	79	1506	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
07	06	79	1515	0467	0.002	L.001	L.001	0.004	L.001	L.001	L.001	L.001
07	06	79	1520	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
07	06	79	1521	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002

SAMPLE DATE					06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
D	M	Y	HR	SUBM ID	(PAH'S) UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
07	06	79	1505	0467	L.02	L.001	L.004	L.004	L.2	L.004	L.009	L.002
07	06	79	1506	0467	L.02	L.001	L.004	L.004	L.2	L.004	L.009	L.002
07	06	79	1515	0467	L.02	L.001	L.004	L.004	L.2	L.004	L.009	L.002
07	06	79	1516	0467	L.02	L.001	L.004	L.004	L.2	L.004	L.009	L.002

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	80011P MERCURY TOTAL	29305P COPPER EXTRBLE.	34102L SELENIUM DISSOLVED
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	HG UG/L	CU MG/L	SE MG/L
07	06	79	1500	0467		L.0005		0.08				L.0005
07	06	79	1505	0467		L.0005				L.02		L.0005
07	06	79	1515	0467		L.0005		L.02				L.0005
07	06	79	1520	0467		L.0005		L.02				L.0005

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0009** LAT. **79 D 4 M 45 S** LONG. **75 D 33 M 30 S**

UTM **18 488200E 8778600N**

LAKE (SMALL) ON SOUTH SIDE OF PLATEAU
ON BACHE PENINSULA, ELLESMERE ISLAND.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	02073L TURBIDITY	10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)
CST					USIE/CM	REL. UNITS	JTU	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS	
D	M	Y	HR	ID								
17	06	79	1200	0467	Q2.7	7.	5.	2.0	5.4	0.0	1.0	Q-7.0

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17206L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST					K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
D	M	Y	HR	ID								
17	06	79	1200	0467	L.1	0.2	L.1	0.2	0.0	1.2	0.5	L1.0

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
CST					N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SIO2 MG/L	F MG/L
D	M	Y	HR	ID								
17	06	79	1200	0467	0.06	0.12	L.01	0.004	L1.	L1.	L.1	L.05

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
CST					AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
D	M	Y	HR	ID								
17	06	79	1200	0467		L.0005		L.02				

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.
CST					PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L
D	M	Y	HR	ID							
17	06	79	1200	0467					L.0005		

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0009** LAT. **79 D 4 M 45 S** LONG. **75 D 33 M 30 S**

UTM **18 488200E 8778600N**

LAKE (SMALL) ON SOUTH SIDE OF PLATEAU
ON BACHE PENINSULA, ELLESMERE ISLAND,

18130L	18075L	18070L	18060L	18065L	18000L	18005L	18020L
ALDRIN	ALPHA-BHC	GAMMA-BHC (LINDANE)	ALPHA-(CIS) CHLORDANE	GAMMA-(TRANS) CHLORDANE	P,P-DDT	O,P-DDT	P,P-DDE

SAMPLE DATE

CST				SUBM	UG/L		UG/L		UG/L		UG/L		UG/L						
D	M	Y	HR	ID															
17	06	79	1200	0467	L.001	32L	L.001	77L	L.001	72L	L.001	62L	L.001	67L	L.001		L.001	07L	L.001

18050L	18055L	18140L	18150L	18040L	18045L	18030L	18010L
ALPHA- ENDOSULFAN	BETA- ENDOSULFAN	ENDRIN	HEOD (DIELDRIN)	HEPTACHLOR	HEPTACHLOR EPOXIDE	P,P- METHOXY- CHLOR	P,P-TDE

SAMPLE DATE

CST				SUBM	UG/L		UG/L		UG/L		UG/L		UG/L							
D	M	Y	HR	ID																
17	06	79	1200	0467	L.005		L.001	57L	L.001	42L	0.001	52L	L.001	42L	L.001	47L	L.001		L.001	24L

06505L	17811L	18555P	18540P	18520P	18500P	18550P	18510P
POLY- AROMATIC HYDROCARBONS	HEXACHLORO- BENZENE	DICHLORPROP	FENOPROP (SILVEX)	MCPA	2,4-D	2,4-DB	2,4,5-T

SAMPLE DATE

CST				SUBM	UG/L		UG/L		UG/L		UG/L		UG/L	
D	M	Y	HR	ID	(PAH'S)									
17	06	79	1200	0467	L.02		L.001	10L						

18125L	97251S	97315S	97316S	98025S	98021S	97311S	97060S
MIREX	DEPTH OF SAMPLING	SNOW DEPTH	SNOW TYPE	SAMPLE CONTAINER	COLLECTION METHOD	SNOW COVER PERCENT	TEMP. AIR

SAMPLE DATE

CST				SUBM	UG/L	FROM SURF.		DESCRIPTIVE CODE	DESCRIPTIVE CODE	DESCRIPTIVE CODE	%	DEG.C	
D	M	Y	HR	ID		M	M						
17	06	79	1200	0467	L.001	26L	0.1	0.70	FRESHW	SSTEEL	PUSH	100.	0.

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0010** LAT. **78 D 36 M 40 S** LONG. **74 D 40 M 16 S**

UTM **18 507250E 8726450N**

SITE APPROX. 300 M EAST OF REF. STN.
30NW10TC0015, CAPE HERSCHEL, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	02041L SPECIFIC CONDUCT. USIE/CM	02011L COLOUR APPARENT REL. UNITS	02073L TURBIDITY JTU	10301L PH PH UNITS	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	10106L ALKALINITY TOTAL CACO3 MG/L	00210L SATURATION INDEX (CALCD.) PH UNITS
D	M	Y	HR	SUBM ID								
16	06	79	1400	0467	Q7.1	15.	5.	0.4	5.2	0.0	L1.0	Q-6.6
16	06	79	1405	0467					5.8			

SAMPLE DATE					19103L POTASSIUM DISSOLVED K MG/L	11103L SODIUM DISSOLVED NA MG/L	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	06301L CARBONATE (CALCD.) CO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	17206L CHLORIDE DISSOLVED CL MG/L	16306L SULPHATE DISSOLVED SO4 MG/L
D	M	Y	HR	SUBM ID								
16	06	79	1400	0467	0.1	1.7	0.4	0.2	0.0	Q1.2	3.3 ^{03L}	0.8
16	06	79	1405	0467		1.7	0.4				3.3 ^{03L}	0.9

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07651L NITROGEN DISSOLVED N MG/L	07902L NITROGEN PARTICUL. N MG/L	15406L PHOSPHORUS TOTAL P MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06152L CARBON DISSOLVED INORGANIC C MG/L	14105L SILICA REACTIVE SIO2 MG/L	09105L FLUORIDE DISSOLVED F MG/L
D	M	Y	HR	SUBM ID								
16	06	79	1200	0467				L.003				
16	06	79	1201	0467				L.003				
16	06	79	1400	0467							0.05 ^{02L}	

SAMPLE DATE					82302P LEAD EXTRBLE. PB MG/L	80011P MERCURY TOTAL HG UG/L	25304P MANGANESE EXTRBLE. MN MG/L	28302P NICKEL EXTRBLE. NI MG/L	34102L SELENIUM DISSOLVED SE MG/L	23302P VANADIUM EXTRBLE. V MG/L	30305P ZINC EXTRBLE. ZN MG/L
D	M	Y	HR	SUBM ID							
16	06	79	1200	0467		L.02					

CAPE HERSCHEL DATA, 1979

SNOW-RIME-PRECIPIATION

STATION **31NW10TC0010** LAT. **78 D 36 M 40 S** LONG. **74 D 40 M 16 S**

UTM **18 507250E 8726450N**

SITE APPROX. 300 M EAST OF REF. STN.
30NW10TC0015, CAPE HERSCHEL, N.W.T.

18130L	18075L	18070L	18060L	18065L	18000L	18005L	18020L
ALDRIN	ALPHA-BHC	GAMMA-BHC (LINDANE)	ALPHA-(CIS) CHLORDANE	GAMMA-(TRANS) CHLORDANE	P,P-DDT	O,P-DDT	P,P-DDE

SAMPLE DATE

CST				SUBM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D	M	Y	HR	ID								
16	06	79	1200	0467	L.001	0.006	0.001	L.003	L.002	L.004	L.001	L.001
16	06	79	1201	0467	L.001	0.004	L.001	L.003	L.002	L.004	L.001	L.001

18050L	18055L	18140L	18150L	18040L	18045L	18030L	18010L
ALPHA-ENDOSULFAN	BETA-ENDOSULFAN	ENDRIN	HEOD (DIELDRIN)	HEPTACHLOR	HEPTACHLOR EPOXIDE	P,P-METHOXY-CHLOR	P,P-TDE

SAMPLE DATE

CST				SUBM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D	M	Y	HR	ID								
16	06	79	1200	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
16	06	79	1201	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002

06505L	17811L	18555P	18540P	18520P	18500P	18550P	18510P
POLY-AROMATIC HYDROCARBONS	HEXACHLORO-BENZENE	DICHLORPROP	FENOPROP (SILVEX)	MCPA	2,4-D	2,4-DB	2,4,5-T

SAMPLE DATE

CST				SUBM	(PAH'S)	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D	M	Y	HR	ID							
16	06	79	1200	0467		L.001					
16	06	79	1201	0467		L.001					

18125L	97251S	97315S	97316S	98025S	98021S	97311S	97060S
MIREX	DEPTH OF SAMPLING	SNOW DEPTH	SNOW TYPE	SAMPLE CONTAINER	COLLECTION METHOD	SNOW COVER PERCENT	TEMP. AIR

SAMPLE DATE

CST				SUBM	FROM SURF.	DESCRIPTIVE	DESCRIPTIVE	DESCRIPTIVE		DEG.C	
D	M	Y	HR	ID	UG/L	M	CODE	CODE	CODE	%	
16	06	79	1200	0467	L.001	0.00	FRESHW	SSTEEL	PUSH	100.	0.1
16	06	79	1201	0467	L.001	0.00	FRESHW	SSTEEL	PUSH	100.	0.1
16	06	79	1400	0467		0.05	FRESHW	PE	PUSH	100.	0.0
16	06	79	1405	0467		0.05	FRESHW	PE	PUSH	100.	0.0

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0011** LAT. **78 D 29 M 30 S** LONG. **76 D 31 M 30 S**

UTM **18 466000E 8713600N**

LAKE IN COL ON SOUTH SIDE OF BAIRD
INLET, ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	02073L TURBIDITY	10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)
D	M	Y	HR	SUBM ID	MG/L	USIE/CM	REL. UNITS	JTU	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS
18	06	79	1001	0467	Q1.8	2.	5.	0.3	5.3	0.0	L1.	Q-6.6

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17206L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
D	M	Y	HR	SUBM ID	K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
18	06	79	1001	0467	L.1	L.1	0.3	L.1	0.0	Q1.2	0.1 ^{03L}	L.5

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SiO2 MG/L	F MG/L
18	06	79	1000	0467				L.003				
18	06	79	1001	0467							L.05 ^{02L}	

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
18	06	79	1000	0467	0.044		L.05		L.001	L.002	0.002	0.08

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L
18	06	79	1000	0467	L.004	L.02	L.01	L.002		L.001	L.001

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0011** LAT. **78 D 29 M 30 S** LONG. **76 D 31 M 30 S**

UTM **18 466000E 8713600N**

LAKE IN COL ON SOUTH SIDE OF BAIRD
INLET, ELLESMERE ISLAND, N.W.T.

18130L	18075L	18070L	18060L	18065L	18000L	18005L	18020L
ALDRIN	ALPHA-BHC	GAMMA-BHC	ALPHA-(CIS)	GAMMA-(TRANS)	P,P-DDT	O,P-DDT	P,P-DDE
		(LINDANE)	CHLORDANE	CHLORDANE			

SAMPLE DATE				CST	SUBM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L					
D	M	Y	HR	ID														
18	06	79	1000	0467	L.001	32L	L.001	77L	L.001	72L	L.001	62L	0.001	67L	L.001	L.001	07L	L.001

18050L	18055L	18140L	18150L	18040L	18045L	18030L	18010L
ALPHA- ENDOSULFAN	BETA- ENDOSULFAN	ENDRIN	HEOD (DIELDRIN)	HEPTACHLOR	HEPTACHLOR EPOXIDE	P,P- METHOXY- CHLOR	P,P-TDE

SAMPLE DATE				CST	SUBM	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
D	M	Y	HR	ID														
18	06	79	1000	0467	L.005		L.001	57L	L.001	42L	L.001	52L	L.001	42L	L.001	47L	L.001	24L

06505L	17811L	18555P	18540P	18520P	18500P	18550P	18510P
POLY- AROMATIC HYDROCARBONS	HEXACHLORO- BENZENE	DICHLORPROP	FENOPROP (SILVEX)	MCPA	2,4-D	2,4-DB	2,4,5-T

SAMPLE DATE				CST	SUBM	(PAH'S) UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D	M	Y	HR	ID								
18	06	79	1000	0467	L.02		L.001	10L				

18125L	97251S	97315S	97316S	98025S	98021S	97311S	97060S
MIREX	DEPTH OF SAMPLING	SNOW DEPTH	SNOW TYPE	SAMPLE CONTAINER	COLLECTION METHOD	SNOW COVER PERCENT	TEMP. AIR

SAMPLE DATE				CST	SUBM	UG/L	FROM SURF. M	M	DESCRIPTIVE CODE	DESCRIPTIVE CODE	DESCRIPTIVE CODE	%	DEG.C
D	M	Y	HR	ID									
18	06	79	1000	0467	L.001	26L	0.26		PAK/RG	SSTEEL	PUSH	100.	4.4
18	06	79	1001	0467			0.26		PAK/RG	SSTEEL	PUSH	100.	4.4

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0013** LAT. **78 D 36 M 45 S** LONG. **74 D 40 M 49 S**

UTM **18 507050E 8726600N**

SITE APPROX. 1.1 KM SSE OF REF. STN.
30NW10TC0015, CAPE HERSCHEL, N.W.T.

SAMPLE DATE					13305P ALUMINUM EXTRBLE.	33104L ARSENIC DISSOLVED	56301P BARIUM EXTRBLE.	05105L BORON DISSOLVED	48302P CADMIUM EXTRBLE.	27302P COBALT EXTRBLE.	29305P COPPER EXTRBLE.	26304P IRON EXTRBLE.
D	M	Y	HR	SUBM ID	AL MG/L	AS MG/L	BA MG/L	B MG/L	CD MG/L	CO MG/L	CU MG/L	FE MG/L
19	06	79	1500	0467	0.037		L.05		L.001	L.002	0.003	0.05
19	06	79	1505	0467	0.045		L.05		L.001	L.002	0.001	0.08
19	06	79	1510	0467	0.038		L.05		0.001	L.002	0.002	0.08

SAMPLE DATE					82302P LEAD EXTRBLE.	80011P MERCURY TOTAL	25304P MANGANESE EXTRBLE.	28302P NICKEL EXTRBLE.	34102L SELENIUM DISSOLVED	23302P VANADIUM EXTRBLE.	30305P ZINC EXTRBLE.
D	M	Y	HR	SUBM ID	PB MG/L	HG UG/L	MN MG/L	NI MG/L	SE MG/L	V MG/L	ZN MG/L
19	06	79	1500	0467	L.004	L.02	L.01	L.002		L.001	0.004
19	06	79	1505	0467	L.004	L.02	L.01	L.002		L.001	0.005
19	06	79	1510	0467	L.004	L.02	L.01	L.002		L.001	0.007

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0013** LAT. **78 D 36 M 45 S** LONG. **74 D 40 M 49 S** UTM **18 507050E 8726600N**

SITE APPROX. 1.1 KM SSE OF REF. STN.
30NW10TC0015, CAPE HERSCHEL, N.W.T.

SAMPLE DATE				18130L ALDRIN	18075L ALPHA- BHC	18070L GAMMA- BHC (LINDANE)	18060L ALPHA- (CIS) CHLORDANE	18065L GAMMA- (TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE	
D	M	Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
19	06	79	1500	0467	L.001	0.001	L.001	L.003	L.002	L.004	L.001	L.001
19	06	79	1505	0467	L.001	0.004	L.001	L.003	L.002	L.004	L.001	L.001
19	06	79	1510	0467	L.001	0.001	L.001	L.003	L.002	L.004	L.001	L.001

SAMPLE DATE				18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE	
D	M	Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
19	06	79	1500	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
19	06	79	1505	0467	L.001	L.003	L.002	L.002	L.001	L.002	L.01	L.002
19	06	79	1510	0467	L.001	L.003	L.002	L.002	L.001	L.001	L.01	L.002

SAMPLE DATE				06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
D	M	Y	HR	SUBM ID	(PAH'S) UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
19	06	79	1500	0467		L.001					
19	06	79	1505	0467		L.001					
19	06	79	1510	0467		L.001					

SAMPLE DATE				18125L MIREX	97251S DEPTH OF SAMPLING	97315S SNOW DEPTH	97316S SNOW TYPE	98025S SAMPLE CONTAINER	98021S COLLECTION METHOD	97311S SNOW COVER PERCENT	97060S TEMP. AIR	
D	M	Y	HR	SUBM ID	UG/L	FROM SURF. M	M	DESCRIPTIVE CODE	DESCRIPTIVE CODE	DESCRIPTIVE CODE	%	DEG.C
19	06	79	1500	0467	L.001	0.15		FRESHW	GLASS	PUSH	80.	0.
19	06	79	1505	0467	L.001	0.15		FRESHW	GLASS	PUSH	80.	0.
19	06	79	1510	0467	L.001	0.15		FRESHW	GLASS	PUSH	80.	0.

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **31NW10TC0015** LAT. **78 D 37 M 17 S** LONG. **74 D 40 M 48 S**

UTM **18 507050E 8727600N**

CAPE HERSCHEL METEOROLOGICAL SITE
(CAMPSITE) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						00203L TOTAL DISSOLVED SOLIDS	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	02073L TURBIDITY	10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)
CST					SUBM	(CALCD.)					CACO3	CACO3	
D	M	Y	HR	ID		MG/L	USIE/CM	REL. UNITS	JTU	PH UNITS	MG/L	MG/L	PH UNITS
17	06	79	1200	0467		15.5	34.	5.	3.7	6.1	0.0	2.7	-4.8
05	07	79	1200	0467		3.6				6.6	0.0	2.1	-4.9

SAMPLE DATE						19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17206L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST					SUBM	K	NA	CA	MG	CO3	HCO3	CL	SO4
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
17	06	79	1200	0467		0.2	3.8	1.2	0.5	0.0	3.3	6.1 ^{03L}	2.1
05	07	79	1200	0467		L.1	0.8	0.4	0.2	0.0	2.6	0.9 ^{03L}	0.1

SAMPLE DATE						07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
CST					SUBM	N	N	N	P	C	C	SiO2	F
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
17	06	79	1200	0467								0.08 ^{02L}	
05	07	79	1200	0467								0.18 ^{02L}	

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPITATION

STATION **31NW10TC0015** LAT. **78 D 37 M 17 S** LONG. **74 D 40 M 48 S**

UTM **18 507050E 8727600N**

CAPE HERSCHEL METEOROLOGICAL SITE
(CAMPSITE) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE		18130L ALDRIN	18075L ALPHA- BHC	18070L GAMMA- BHC (LINDANE)	18060L ALPHA- (CIS) CHLORDANE	18065L GAMMA- (TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE			
CST		SUBM										
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L			
05	07	79	1201	0467	L.001 32L	0.008 77L	0.001 72L	L.001 62L	L.001 67L	L.001	L.001 07L	L.001

SAMPLE DATE		18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE			
CST		SUBM										
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L			
05	07	79	1201	0467	L.005	L.001 57L	L.001 42L	L.001 52L	L.001 42L	L.001 47L	L.001	L.001 24L

SAMPLE DATE		06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
CST		SUBM (PAH'S)							
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L
05	07	79	1201	0467		L.001 10L			

SAMPLE DATE		18125L MIREX	97251S DEPTH OF SAMPLING	97315S SNOW DEPTH	97316S SNOW TYPE	98025S SAMPLE CONTAINER	98021S COLLECTION METHOD	97311S SNOW COVER PERCENT	97060S TEMP. AIR
CST		SUBM		FROM SURF.	DESCRIPTIVE	DESCRIPTIVE	DESCRIPTIVE	%	DEG.C
D	M	Y	HR	ID	UG/L	M	M		
05	07	79	1201	0467	L.001 26L		FRESHW	COPPER	FALL

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **32NW10TC0015** LAT. **78 D 37 M 17 S** LONG. **74 D 40 M 48 S**

UTM **18 507050E 8727600N**

CAPE HERSCHEL METEOROLOGICAL SITE
(CAMPSITE) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE					00203L TOTAL DISSOLVED SOLIDS (CALCD.)	02041L SPECIFIC CONDUCT.	02011L COLOUR APPARENT	02073L TURBIDITY	10301L PH	10151L ALKALINITY PHENOL PHTHALEIN	10106L ALKALINITY TOTAL	00210L SATURATION INDEX (CALCD.)
CST					MG/L	USIE/CM	REL. UNITS	JTU	PH UNITS	CACO3 MG/L	CACO3 MG/L	PH UNITS
D	M	Y	HR	ID								
09	07	79	1200	0467	4.3				6.1	0.0	0.6	-6.0
09	07	79	1205	0467	Q3.3				5.2	0.0	L.1	Q-8.0
09	07	79	1210	0467	6.6				6.7	0.0	2.2	-4.7

SAMPLE DATE					19103L POTASSIUM DISSOLVED	11103L SODIUM DISSOLVED	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	06301L CARBONATE (CALCD.)	06201L BICARBONT. (CALCD.)	17206L CHLORIDE DISSOLVED	16306L SULPHATE DISSOLVED
CST					K MG/L	NA MG/L	CA MG/L	MG MG/L	CO3 MG/L	HCO3 MG/L	CL MG/L	SO4 MG/L
D	M	Y	HR	ID								
09	07	79	1200	0467	0.2	1.2	0.33	0.2	0.0	0.7	1.9 ^{03L}	0.1
09	07	79	1205	0467	L.1	1.0	0.16	0.2	0.0	Q.1	1.8 ^{03L}	0.1
09	07	79	1210	0467	0.2	1.6	0.40	0.2	0.0	2.7	2.7 ^{03L}	0.2

SAMPLE DATE					07110L NITROGEN DISSOLVED NO3 & NO2	07651L NITROGEN DISSOLVED	07902L NITROGEN PARTICUL.	15406L PHOSPHORUS TOTAL	06104L CARBON DISSOLVED ORGANIC	06152L CARBON DISSOLVED INORGANIC	14105L SILICA REACTIVE	09105L FLUORIDE DISSOLVED
CST					N MG/L	N MG/L	N MG/L	P MG/L	C MG/L	C MG/L	SIO2 MG/L	F MG/L
D	M	Y	HR	ID								
09	07	79	1200	0467							0.01 ^{02L}	
09	07	79	1205	0467							0.01 ^{02L}	
09	07	79	1210	0467							0.03 ^{02L}	

CAPE HERSCHEL DATA, 1979
SNOW-RIME-PRECIPIATION

STATION **32NW10TC0015** LAT. **78 D 37 M 17 S** LONG. **74 D 40 M 48 S**

UTM **18 507050E 8727600N**

CAPE HERSCHEL METEOROLOGICAL SITE
(CAMPSITE) ELLESMERE ISLAND, N.W.T.

SAMPLE DATE						18130L ALDRIN	18075L ALPHA- BHC	18070L GAMMA- BHC (LINDANE)	18060L ALPHA- (CIS) CHLORDANE	18065L GAMMA- (TRANS) CHLORDANE	18000L P,P-DDT	18005L O,P-DDT	18020L P,P-DDE						
CST				SUBM		UG/L		UG/L		UG/L		UG/L							
D	M	Y	HR	ID															
09	07	79	1202	0467	L.001	32L	0.001	77L	L.001	72L	L.001	62L	L.001	67L	L.001	07L	L.001	07L	L.001
09	07	79	1215	0467	L.001	32L	0.002	77L	L.001	72L	L.001	62L	L.001	67L	L.001		L.001	07L	L.001

SAMPLE DATE						18050L ALPHA- ENDOSULFAN	18055L BETA- ENDOSULFAN	18140L ENDRIN	18150L HEOD (DIELDRIN)	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE	18030L P,P- METHOXY- CHLOR	18010L P,P-TDE							
CST				SUBM		UG/L		UG/L		UG/L		UG/L								
D	M	Y	HR	ID																
09	07	79	1202	0467	L.005		L.001	57L	L.001	42L	L.001	52L	L.001	42L	L.001	47L	L.001	47L	L.001	24L
09	07	79	1215	0467	L.005		L.001	57L	L.001	42L	L.001	52L	L.001	42L	L.001	47L	L.001	47L	L.001	24L

SAMPLE DATE						06505L POLY- AROMATIC HYDROCARBONS	17811L HEXACHLORO- BENZENE	18555P DICHLORPROP	18540P FENOPROP (SILVEX)	18520P MCPA	18500P 2,4-D	18550P 2,4-DB	18510P 2,4,5-T
CST				SUBM		UG/L		UG/L		UG/L		UG/L	
D	M	Y	HR	ID	(PAH'S)								
09	07	79	1202	0467	L.02		L.001	10L					
09	07	79	1215	0467	L.02		L.001	10L					

SAMPLE DATE						18125L MIREX	97251S DEPTH OF SAMPLING	97315S SNOW DEPTH	97316S SNOW TYPE	98025S SAMPLE CONTAINER	98021S COLLECTION METHOD	97311S SNOW COVER PERCENT	97060S TEMP. AIR
CST				SUBM		FROM SURF.		DESCRIPTIVE		DESCRIPTIVE		DESCRIPTIVE	
D	M	Y	HR	ID	UG/L	M	M	CODE	CODE	CODE	%	DEG.C	
09	07	79	1202	0467	L.001	26L			RIME	PE	HAND		
09	07	79	1215	0467	L.001	26L			RIME	PE	HAND		

Alphabetical Index
of stations in the District of Mackenzie
and the District of Keewatin

Index alphabétique
des stations situées dans le district de Mackenzie
et le district de Keewatin

Location Description	Station Number Station Parameters	Latitude			Longitude			Page	Map Number
		°	'	"	°	'	"		
ANDERSON RIVER BELOW CARNWATH RIVER, NORTHWEST TERRITORIES	00NW10NC0001 97900S001	68	38	0	128	24	30	33	1
BACK RIVER BELOW DEEP ROSE LAKE, NORTHWEST TERRITORIES	00NW10RC0001 97900S001	66	5		96	30		41	2
BAKER LAKE 1 MILE FROM BAKER LAKE SETTLEMENT, NORTHWEST TERRITORIES	01NW06MA0001 97900S001	64	19	10	96	1	50	43	3
CAMSELL RIVER AT OUTLET OF CLUT LAKE, NORTHWEST TERRITORIES	00NW10JA0001 97900S002	65	36	0	117	45	30	21	4
COPPERMINE RIVER AT OUTLET OF POINT LAKE, NORTHWEST TERRITORIES	00NW10PB0001 97900S001	65	25	0	114	0	30	35	5
ELLICE RIVER NEAR MOUTH, NORTHWEST TERRITORIES	00NW10QD0001 97900S001	67	42	30	104	8	30	39	6
FLAT RIVER NEAR MOUTH, NORTHWEST TERRITORIES	00NW10EA0004 97900S003	61	32	0	125	24	21	15	7
GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN, NORTHWEST TERRITORIES	00NW10JC0001 97900S003	65	8	0	123	31	0	23	8
HAY RIVER NEAR HAY RIVER NORTHWEST TERRITORIES	00NW07OB0001 97900S001	60	44	45	115	51	20	11	9
KAZAN RIVER ABOVE KAZAN FALLS, NORTHWEST TERRITORIES	00NW06LC0001 97900S001	63	39	0	95	51	15	7	10
LIARD RIVER ABOVE FORT SIMPSON, NORTHWEST TERRITORIES	00NW10ED0002 97900S002	61	44	24	121	13	11	17	11
LOCKHART RIVER BELOW ARTILLERY LAKE, NORTHWEST TERRITORIES	00NW07RD0001 97900S001	62	53	30	108	28	30	13	12
MACKENZIE RIVER ABOVE ARCTIC RED RIVER NORTHWEST TERRITORIES	00NW10LA0003	67	21	30	133	33	30	27	13
MACKENZIE RIVER AT NORMAN WELLS, NORTHWEST TERRITORIES	00NW10KA0001 97900S001	65	16	54	126	50	57	25	14
MACKENZIE RIVER NEAR FORT PROVIDENCE, NORTHWEST TERRITORIES	00NW10FB0001	61	15	0	118	3	0	19	15

DISTRICTS OF MACKENZIE AND KEEWATIN

WATER QUALITY STATIONS : ALPHABETICAL INDEX

Location Description	Station Number Station Parameters	Latitude			Longitude			Page	Map Number
		°	'	"	°	'	"		
PEEL RIVER ABOVE FORT MCPHERSON, NORTHWEST TERRITORIES	00NW10MC0001 97900S002	67	13	15	134	56	45	29	16
PEEL RIVER AT FORT MCPHERSON, NORTHWEST TERRITORIES	00NW10MC0002	67	26	0	134	53	30	31	17
QUOICH RIVER NEAR BAKER LAKE, NORTHWEST TERRITORIES	00NW06MB0001 97900S001	64	27	30	94	7	10	9	18
THELON RIVER ABOVE THELON BLUFFS, NORTHWEST TERRITORIES	00NW06JC0001 97900S002	64	32	10	101	23	50	5	19
TREE RIVER ABOUT 10 MILES ABOVE MOUTH, NORTHWEST TERRITORIES	00NW10QA0001 97900S001	67	38	10	111	53	30	37	20

Numerical Index
of stations in the District of Franklin
Index numérique
des stations situées dans le district de Franklin



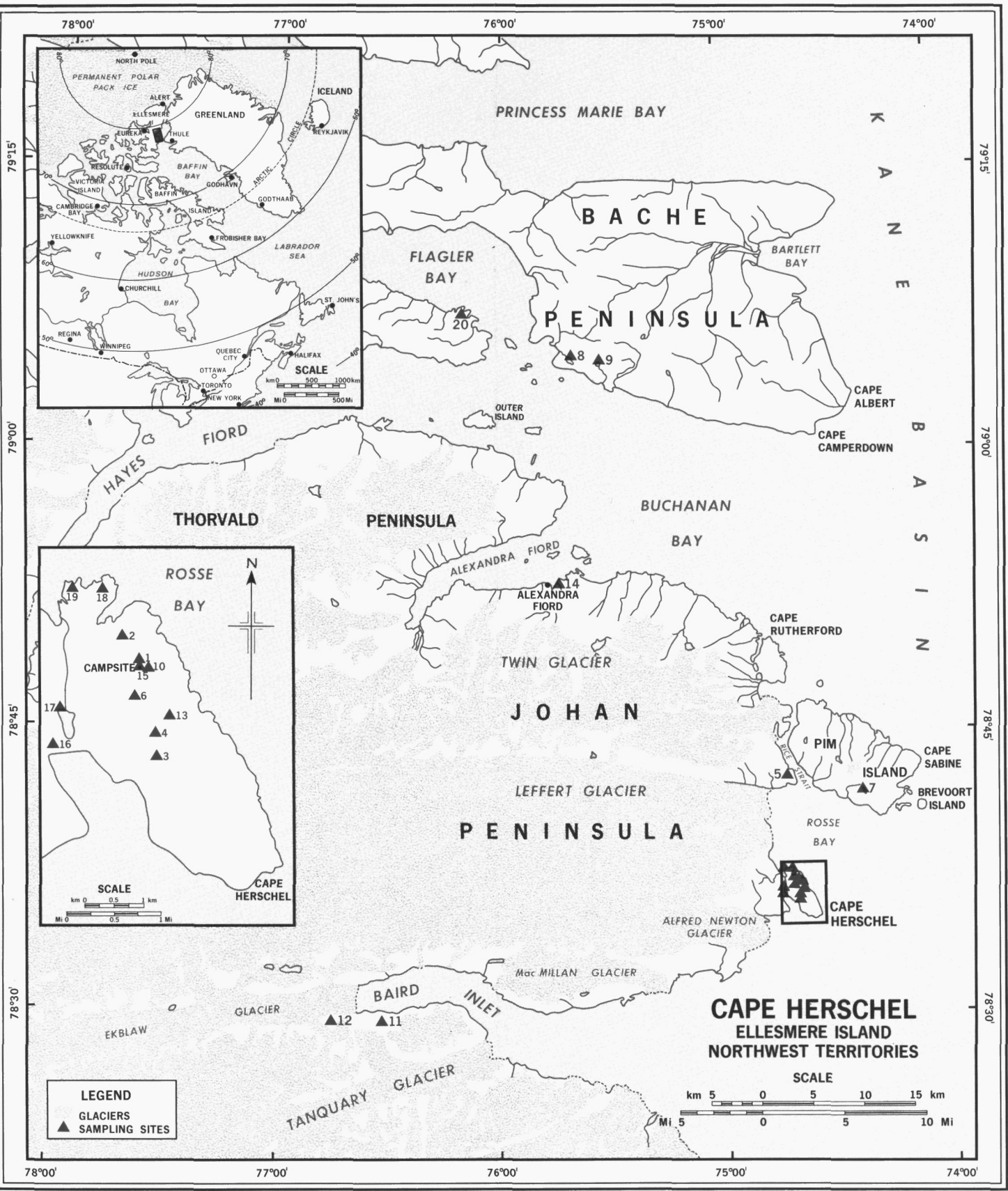
Station Number Location Description Station Parameters	Latitude	Longitude	Page	Map Number
STREAM SAMPLING SITES				
00NW10TC0014 OUTLET STREAM OF TWIN GLACIER, ALEXANDRA FIORD, ELLESMERE ISLAND, NWT 1 KM EAST OF RCMP POST IN MAIN CHANNEL ELEV. 5 M ASL. NTS MAP 39F&39E 1:250,000 97001S 0.5	78D 53M 5S	75D 44M 20S	48	14
LAKE SAMPLING SITES				
01NW10TC0007 PROTEUS LAKE, SE SIDE OF PIM ISLAND, ELLESMERE ISLAND, N.W.T. ABOUT 11KM NNE OF REF STN 30NW10TC0015 ELEV. 390 M ASL. NTS MAP 39F&39E 1:250,000 97001S 7.5 97305S 3	78D 41M 40S	74D 23M 0S	50	7
01NW10TC0008 LAKE (LARGE) ON SOUTH SIDE OF BACHE PENINSULA, ELLESMERE ISLAND, N.W.T. ABOUT 56KM NNW OF REF STN 30NW10TC0015 ELEV. 105 M ASL. NTS MAP 39H 1:250,000 97001S 27.5	79D 4M 55S	75D 42M 0S	52	8
01NW10TC0009 LAKE (SMALL) ON SOUTH SIDE OF PLATEAU ON BACHE PENINSULA, ELLESMERE ISLAND, N.W.T. ELEV. 415 M ASL. NTS MAP 39H 1:250,000 97001S 6.35	79D 4M 45S	75D 33M 30S	54	9
01NW10TC0011 LAKE IN COL ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T. ABOUT 43KM WSW OF REF STN 30NW10TC0015 ELEV. 300 M ASL. NTS MAP 39F&39E 1:250,000 97001S 1.85	78D 29M 30S	76D 31M 30S	56	11
01NW10TC0012 LAKE IN BEDROCK BASIN ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T. ABOUT 48KM WSW OF REF STN 30NW10TC0015 ELEV. 295 M ASL. NTS MAP 39F&39E 1:250,000 97001S 15.5	78D 29M 30S	76D 46M 10S	58	12
01NW10TC0017 ELISON LAKE, IN VALLEY BTWN HERSCHEL AND ROSSE BAYS, ELLESMERE IS., N.W.T. ABOUT 2 KM WSW OF REF STN 30NW10TC0015 ELEV. 20 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 37S	74D 44M 21S	60	17

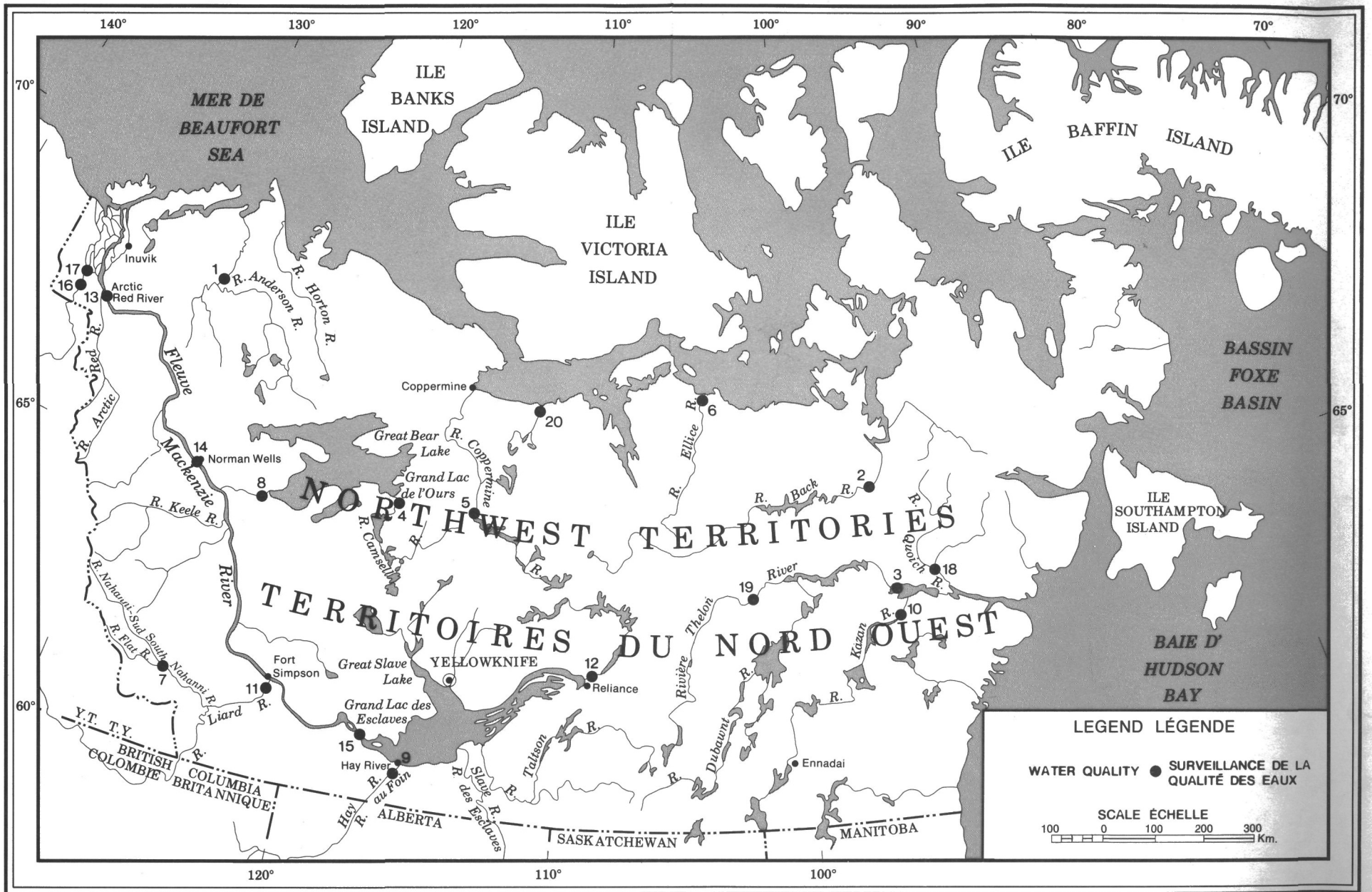
Station Number Location Description Station Parameters	Latitude	Longitude	Page	Map Number
POND SAMPLING SITES				
04NW10TC0001 POND (SMALL) AT CAPE HERSCHEL CAMPSITE ELLESMERE ISLAND, N.W.T. ABOUT 100 M N OF REF STN 30NW10TC0015 ELEV. 58 M ASL. NTS MAP 39F&39E 1:250,000 97001S 0.19	78D 37M 20S	74D 40M 56S	62	1
04NW10TC0002 POND (SMALL) IN MORaine, CAPE HERSCHEL ELLESMERE ISLAND, N.W.T. ABOUT 625M NNW OF REF STN 30NW10TC0015 ELEV. 34 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 30S	74D 41M 45S	64	2
04NW10TC0003 POND (SMALL) IN VALLEY ON SE SIDE OF CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T ABOUT 2 KM SSE OF REF STN 30NW10TC0015 ELEV. 125 M ASL. NTS MAP 39F&39E 1:250,000 97001S 0.18	78D 36M 22S	74D 39M 52S	65	3
04NW10TC0005 POND (SMALL), WEST OF RICE STRAIT N OF CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T ABOUT 10 KM N OF REF STN 30NW10TC0015 ELEV. 110 M ASL. NTS MAP 39F&39E 1:250,000 97001S 0.20	78D 42M 35S	74D 43M 0S	66	5
04NW10TC0006 POND (SMALL) IN SMALL MORaine VALLEY, CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T ABOUT 600 M S OF REF STN 30NW10TC0015 ELEV. 83 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 54S	74D 40M 56S	68	6
04NW10TC0016 POND ON RAISED BEACHED-MORaine AT HEAD OF HERSCHEL BAY, ELLESMERE ISLAND, NWT ABOUT 2 KM WSW OF REF STN 30NW10TC0015 ELEV. 25 M ASL. NTS MAP 39F&39E 1:250:000	78D 36M 32S	74D 44M 46S	69	16
04NW10TC0018 POND (LARGE) ON SOUTH SIDE OF ROSSE BAY (CAPE HERSCHEL) ELLESMERE ISLAND, N.W.T. ELEV. 3 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 53S	74D 42M 49S	70	18
04NW10TC0019 POND (BRACKISH) ON NORTHWEST CAPE HERSCHEL PENINSULA, SOUTH OF ROSSE BAY ELLESMERE ISLAND, N.W.T. ELEV. 0.1 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 54S	74D 44M 11S	71	19

Station Number Location Description Station Parameters	Latitude	Longitude	Page	Map Number
04NW10TC0020 POND ON NORTHEAST KNUD PENINSULA, (FLAGLER BAY) ELLESMERE ISLAND, N.W.T. ABOUT 65KM NNW OF REF STN 30NW10TC0015 ELEV. 8 M ASL. NTS MAP 39G 1:250,000	79D 6M 30S	76D 11M 5S	72	20
SNOW SAMPLING SITES				
31NW10TC0001 POND (SMALL) AT CAPE HERSCHEL CAMPSITE ELLESMERE ISLAND, N.W.T. ABOUT 100 M N OF REF STN 30NW10TC0015 ELEV. 58 M ASL. NTS MAP 39F&39E 1:250,000 97001S 0.19	78D 37M 20S	74D 40M 56S	76	1
31NW10TC0002 POND (SMALL) IN MORAINÉ, CAPE HERSCHEL ELLESMERE ISLAND, N.W.T. ABOUT 625M NNW OF REF STN 30NW10TC0015 ELEV. 34 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 30S	74D 41M 45S	78	2
31NW10TC0004 COL BETWEEN REF. STN. 30NW10TC0015 AND STN. 04NW10TC0003, CAPE HERSCHEL, NWT. ABOUT 1.25 KM SSE REF STN 30NW10TC0015 ELEV. APPROX. 170 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 35S	74D 40M 8S	80	4
31NW10TC0006 POND (SMALL) IN SMALL MORAINÉ VALLEY, CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T. ABOUT 600 M S OF REF STN 30NW10TC0015 ELEV. 83 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 54S	74D 40M 56S	82	6
31NW10TC0009 LAKE (SMALL) ON SOUTH SIDE OF PLATEAU ON BACHE PENINSULA, ELLESMERE ISLAND, N.W.T. ELEV. 415 M ASL. NTS MAP 39H 1:250,000 97001S 6.35	79D 4M 45S	75D 33M 30S	84	9
31NW10TC0010 SITE APPROX. 300 M EAST OF REF. STN. 30NW10TC0015, CAPE HERSCHEL, N.W.T. ELEV. 56 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 40S	74D 40M 16S	86	10
31NW10TC0011 LAKE IN COL ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T. ABOUT 43KW WSW OF REF STN 30NW10TC0015 ELEV. 300 M ASL. NTS MAP 39F&39E 1:250,000 97001S 1.85	78D 29M 30S	76D 31M 30S	88	11

Station Number Location Description Station Parameters	Latitude	Longitude	Page	Map Number
31NW10TC0013 SITE APPROX. 1.1 KM SSE OF REF. STN. 30NW10TC0015, CAPE HERSCHEL, N.W.T. (ELLESMERE ISLAND) ELEV. APPROX. 150 M ASL. NTS MAP 39F&39E 1:250,000	78D 36M 45S	74D 40M 49S	90	13
31NW10TC0015 CAPE HERSCHEL METEOROLOGICAL SITE (CAMPSITE) ELLESMERE ISLAND, N.W.T. ELEV. 63 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 17S	74D 40M 48S	92	15
ICE SAMPLING SITES (RIME FROST)				
32NW10TC0015 CAPE HERSCHEL METEOROLOGICAL SITE (CAMPSITE) ELLESMERE ISLAND, N.W.T. ELEV. 63 M ASL. NTS MAP 39F&39E 1:250,000	78D 37M 17S	74D 40M 48S	94	15

Maps
Cartes





WATER QUALITY BRANCH MONITORING STATIONS 1977 - 1979
 STATIONS DE SURVEILLANCE DE LA DIRECTION DE LA QUALITÉ
 DES EAUX 1977 - 1979

INLAND WATERS DIRECTORATE
WESTERN AND NORTHERN REGION
WATER QUALITY BRANCH
CALGARY, ALBERTA, 1982



DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
RÉGION DE L'OUEST ET DU NORD
DIRECTION DE LA QUALITÉ DES EAUX
CALGARY, ALBERTA, 1982

