

Temperatures in Five Tributary Streams and
Data from One Meteorological Station in the
Stuart-Takla Watershed, 1990-1996

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1997

Canadian Data Report of Fisheries and Aquatic
Sciences 1022

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DATA FROM ONE METEOROLOGICAL STATION IN THE
STUART-TAKLA WATERSHED, 1990-1996

by

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Cat. No. Fs 97-13/1022E ISSN 0706-6465

Correct citation for this publication:

Andersen, B. C., and J. S. Macdonald. 1997. Temperatures in five tributary streams and data from one meteorological station in the Stuart-Takla watershed, 1990-1996. Can. Data Rep. Fish. Aquat. Sci. 1022: 81 p.

ABSTRACT

Andersen, B. C., and J. S. Macdonald. 1997. Temperatures in five tributary streams and data from one meteorological station in the Stuart-Takla watershed, 1990-1996. Can. Data Rep. Fish. Aquat. Sci. 1022: 81 p.

This report presents stream temperature and meteorological data collected as part of the Takla Fisheries/Forestry Interaction Project. These studies focus on the effects of forest practices on interior fish stocks and the habitat they occupy.

Water temperature data were collected for these time periods: Kynoch Creek, October, 1991-September, 1996; Forfar and Gluskie creeks, August, 1990-September, 1996; Bivouac Creek April, 1994-September, 1996; and Leo Creek May, 1995-September, 1996.

Meteorological data were collected during the summer periods (April-October), 1991 to 1996.

RÉSUMÉ

Andersen, B. C., and J. S. Macdonald. 1997. Temperatures in five tributary streams and data from one meteorological station in the Stuart-Takla watershed 1990-1996. Can. Data Rep. Fish. Aquat. Sci. 1022: 81 p.

Le rapport présente les données sur la température des cours d'eau et les données météorologiques recueillies dans le cadre du projet Interaction forêts/pêches de Takla. Les études visent les effets des pratiques forestières sur les stocks de poisson des eaux intérieures et sur l'habitat qu'ils occupent.

Les données sur la température de l'eau ont été recueillies sur plusieurs périodes: crique Kynoch, d'octobre 1991 à septembre 1996; criques Forfar et Gluskie, d'août 1990 à septembre 1996; crique Bivouac, d'avril 1994 à septembre 1996; enfin, crique Leo, de mai 1995 à septembre 1996.

Les données météorologiques ont été recueillies pendant la période estivale (d'avril à octobre) de 1991 à 1996.

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INTRODUCTION

In 1990, the Biological Sciences Branch of the Department of Fisheries and Oceans (Pacific Region) shifted most of its research on the effects of forest harvesting practices on fish stocks and fish habitat from the coast to the interior of British Columbia. In August, 1990, a major long-term fish/forestry research project was initiated on selected tributaries of the Stuart-Takla watershed. A detailed description of the Stuart-Takla Fisheries/Forestry Interaction Research Project is presented in Macdonald et al. 1992.

This report presents the stream temperature data from 5 tributaries and water temperature data from off channel sites of 2 tributaries, of the Upper Stuart-Takla watershed, from 1990 to 1996. Air temperature, precipitation, and solar radiation data are from a meteorological station near the south end of Takla Lake. At all sites, the data record in this report ends in late September, 1996.

Some of the data in this report have been used in papers presented and published in the proceedings from workshops and conferences, Macdonald 1994, Macdonald and Scrivener 1997 (in press). Data will be further analysed and used in future publications.

STUDY AREAS

The Takla Lake/Middle River drainage basin represents the most northern extent of the Fraser River watershed (Fig. 1). Bivouac and Gluskie creeks flow north-east into lower Takla Lake, and Forfar and Kynoch creeks flow north-east into the upper portion of Middle River. Leo Creek flows in a south-westerly direction and enters lower Takla Lake opposite Bivouac Creek (Fig. 1). Details of the physical features and locations of the study areas are available in Macdonald et al. 1992.

The main data logging sites (Fig. 1) were located within 20 m upstream of the logging road bridges except for the Leo Creek site, which was located 60 m upstream of the railroad bridge. Before the main data logging sites on Gluskie and Forfar creeks were established in October, 1991, data were recorded, starting in August, 1990, from initial sites (Fig. 1) downstream of the bridges (Gluskie Creek 210 m and Forfar Creek 1350 m downstream). Kynoch (also known as O'Ne-eil) Creek station was established in October, 1991; Bivouac Creek station in April, 1994; and Leo Creek station in April, 1995.

In the summers of 1995 and 1996, data loggers recorded water temperature data at 3 off-channel sites. These sites (Fig. 1) were located on the south side of the creeks as follows: Forfar Creek upper off-channel site was 300 m downstream of the logging road bridge and 8 m from the main channel; Forfar Creek lower off-channel site was 400 m upstream from the Middle River and 50 m from the main creek channel; Kynoch Creek off-channel site was 400 m upstream from the Middle River and 75 m from the main creek channel.

The meteorological station was established in June, 1991, but was only operated during the summer periods (April-October) of 1991 to 1996. It was located 25 m from the Middle River at a Department of Fisheries and Oceans field camp (Fig. 1).

Latitudes and longitudes of data logging sites:

<u>Tributary</u>	<u>Site</u>	<u>Latitude</u>	<u>Longitude</u>
Kynoch	main station	N 54° 59' 35.1"	W 125° 24' 03.5"
Kynoch	off-channel	N 54° 59' 58.2"	W 125° 23' 37.3"
Forfar	main station	N 55° 01' 52.0"	W 125° 28' 18.7"
Forfar	initial (90-91)	N 55° 02' 28.4"	W 125° 28' 04.4"
Forfar	off-channel upper	N 55° 02' 02.2"	W 125° 28' 18.0"
Forfar	off-channel lower	N 55° 02' 30.3"	W 125° 28' 00.3"
Gluskie	main station	N 55° 03' 13.1"	W 125° 30' 48.9"
Gluskie	initial (90-91)	N 55° 03' 16.6"	W 125° 30' 53.2"
Bivouac	main station	N 55° 04' 10.1"	W 125° 34' 31.4"
Leo	main station	N 55° 05' 22.8"	W 125° 34' 46.4"
<u>Meteorological station</u>		N 55° 03' 22.9"	W 125° 30' 20.1"

METHODS

Data were acquired with Unidata's Starlog data logging systems. The loggers used were model 6003B with 64K memory capacity, attached thermistors were model 6507A with 15k ohm resistors and accuracy of $\pm 0.2^{\circ}\text{C}$. The thermistor wires were connected to the loggers via a field termination strip, model 6103-1. Loggers and termination strips were installed in weatherproof enclosures, model 6701B, and then mounted on trees or posts at each recording site. All wires were armoured to protect them from being severed by wildlife. To maintain battery operation during the cold winters (-40°C), the loggers were packed in insulated containers and buried in the streambank. The earth and snow covering acted as insulation and maintained operating temperatures above freezing throughout the winter.

At each station two thermistors were used to record water temperatures from the same location. On each station visit water temperatures were taken using a hand held, calibrated, mercury-filled thermometer. On occasions when the recordings, from both thermistors, did not agree with the calibrated thermometer, logger data was edited for the needed corrections. When a data logging station failed completely, nearby data loggers provided the necessary replacement data.

At the meteorological station ambient temperature and global solar radiation data were logged using a stand alone weather instrument (Unidata's model 6507D, with accuracy; radiation $\pm 5\%$, temperature $\pm 0.5^{\circ}\text{C}$). Precipitation data were logged using Unidata's model 6506A tipping bucket rainfall gauge (accuracy $\pm 4\%$). The data logger and temperature sensor were mounted inside a standard Atmospheric Environment Service type louvered instrument shelter.

At the Leo Creek water temperature station, Vemco's model Minilog-TR data logger, with accuracy of $\pm 0.2^{\circ}\text{C}$ and range of -4°C to 20°C , replaced the Unidata system from October, 1995, to April, 1996.

The Unidata data loggers acquired readings every 5 seconds and recorded the average of the readings for every 60-minute period, except for the meteorological station, which recorded data every 15 minutes. The Vemco data logger recorded one data point every 60 minutes.

All data were downloaded, four or five times annually, to a laptop computer using the loggers' software packages; edited using Microrim's R:Base software; and exported, as daily maximums, minimums, and averages, to ASCII files. Final tables were produced using Borland's Quattro Pro 4 software.

Co-ordinates (latitude/longitude) of the sites were obtained from the Global Positioning System using Garmin's model 75 receiver with an accuracy of $\pm 15\text{ m}$.

RESULTS

All results are contained in Tables 2 to 5. Data was edited for data gaps. Daily maximums, minimums, and averages were calculated.

Occasionally, equipment failure and flooding resulted in lost temperature data. In most situations these lost data were replaced using data from nearby data logging stations. Analysis of data from the main stations and nearby loggers showed no significant temperature differences when both loggers were accurately recording data for the same time period. Comparisons of data from the locations of the initial stations (90-91) with same time period data from the main stations showed no significant temperature differences. A list of problems, time periods, and location of data recovery sites is in Table 1.

ACKNOWLEDGEMENTS

The writers wish to acknowledge the help of the many people who participated in the field work over the last 6 years. In particular, Ed Choromanski has been involved in the field work since 1990. J.C. Scrivener was involved in project design and fieldwork. D. Patterson provided the map and H. Herunter reviewed the manuscript. Funding for these projects was partially provided by the Fraser River Sustainable Development Program.

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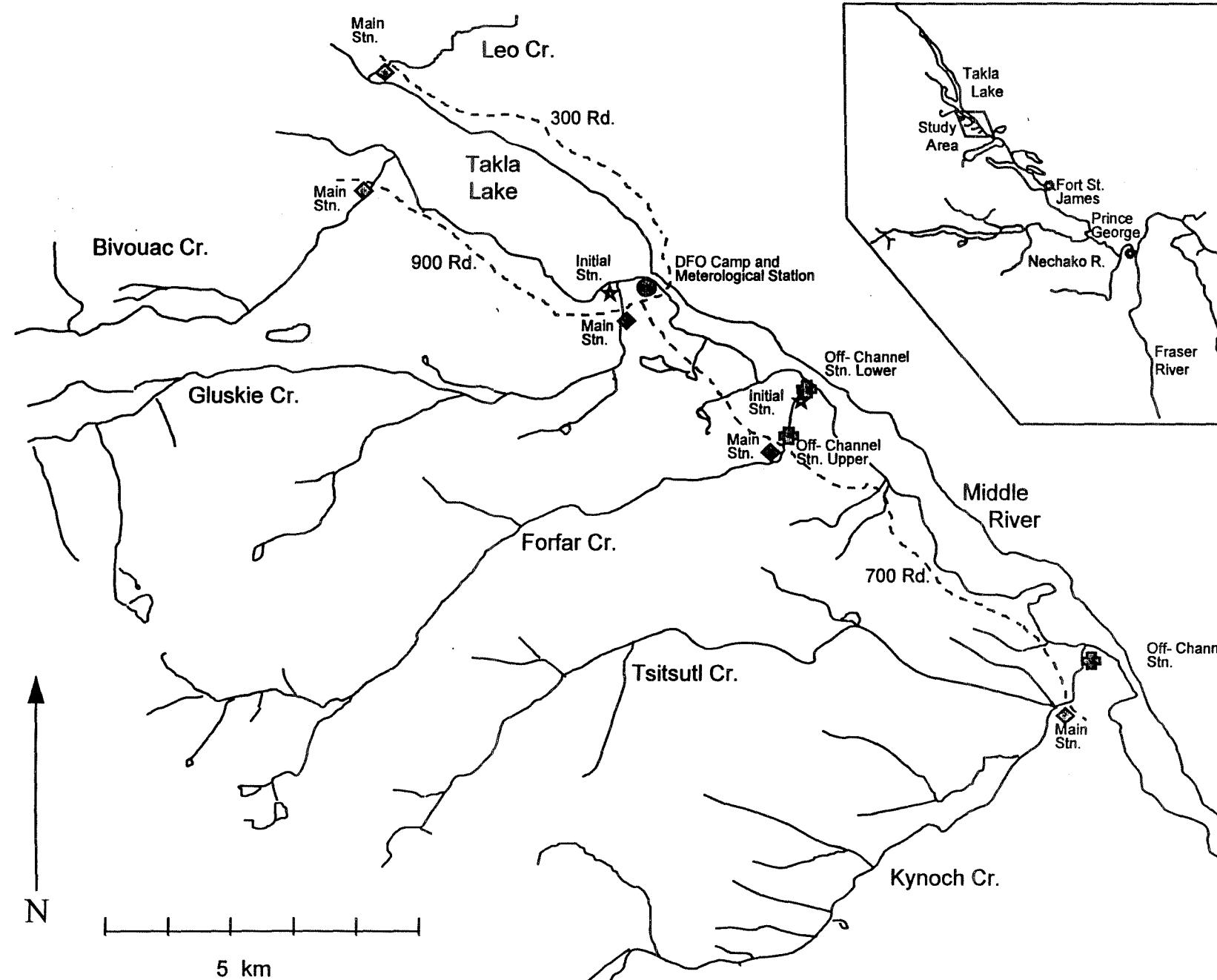


Figure 1. Location of study tributaries in the Upper Stuart - Takla watershed.
Data logger stations and main logging roads are shown.

Table 1. DATES WHEN DATA WERE LOST, PROBLEMS ASSOCIATED WITH LOST DATA, AND DATA RECOVERY METHOD.

<u>STATION METHOD</u>	<u>DATE RANGE</u>	<u>PROBLEM</u>	<u>DATA RECOVERY</u>
KYNOCHE main	11/02/91 - 04/29/92	battery failed	nearby data logger 145m downstream
	08/08/93 - 08/29/93	thermistors buried	nearby logger 300m d.s.
	09/26/93 - 09/27/94	erratic thermistor	nearby logger 115m d.s.
	07/28/95 - 09/25/95	thermistors buried	nearby logger 100m d.s.
	07/31/96 - 09/01/96	thermistors buried	Kynoch - Forfar regression
FORFAR initial	01/03/91 - 03/30/91	thermistors frozen	use $\leq 0^\circ$ for this period
	06/13/91 - 07/18/91	thermistors buried	used average only
	10/11/91	station moved to	Forfar main
FORFAR main	06/02/92 - 06/12/92	station flooded	nearby logger 150m d.s.
	10/20/92 - 04/21/93	logger flooded	nearby logger 150m d.s.
	04/30/94 - 08/10/94	logger failed	nearby logger 85m d.s.
	09/27/94 - 04/28/96	erratic thermistor	nearby logger 85m d.s.
GLUSKIE initial	02/18/91 - 06/16/91	battery failed	no recovery
	10/10/91	station moved to	Gluskie main
GLUSKIE main	08/24/93 - 08/30/93	out of memory	Gluskie - Forfar regression
BIVOUAC main		no problems	
LEO main		no problems	
Off-channels		no problems	
Meteorological stn.		no problems	

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
06/18/91	18.5			600		
06/19/91	23.8	5.1	13.98	606	189	0.2
06/20/91	24.0	5.9	15.66	565	172	0.0
06/21/91	21.6	7.6	14.57	635	136	0.0
06/22/91	18.8	8.9	13.90	653	154	0.0
06/23/91	22.7	9.2	13.86	518	134	3.6
06/24/91	24.0	9.2	15.19	641	191	1.0
06/25/91	19.1	11.1	14.28	571	142	11.2
06/26/91	21.0	10.9	15.38	706	181	0.0
06/27/91	19.9	10.6	15.50	553	175	0.0
06/28/91	19.6	10.0	14.33	541	100	0.4
06/29/91	23.5	10.3	14.81	524	143	1.6
06/30/91	19.6	9.2	14.21	582	147	0.0
07/01/91	18.3	6.7	13.06	300	89	0.8
07/02/91	18.8	8.1	13.12	571	100	4.2
07/03/91	17.5	6.5	12.84	494	156	0.0
07/04/91	14.7	7.3	12.13	512	140	0.0
07/05/91	12.5	6.5	9.72	476	91	2.4
07/06/91	17.5	7.0	12.10	318	94	0.0
07/07/91	21.6	8.1	14.19	571	150	0.2
07/08/91	21.6	5.9	14.86	571	194	0.0
07/09/91	19.1	7.6	13.65	565	165	0.0
07/10/91	19.1	6.5	13.57	559	134	0.0
07/11/91	21.8	8.4	14.81	518	125	1.4
07/12/91	18.8	10.6	14.98	500	96	1.0
07/13/91	14.4	10.6	12.43	265	65	9.6
07/14/91	17.5	9.2	13.51	647	186	0.0
07/15/91	16.1	8.1	12.39	429	101	0.0
07/16/91	18.3	8.1	14.08	559	147	0.0
07/17/91	17.5	12.2	14.31	612	131	0.0
07/18/91	16.9	8.9	12.61	559	153	0.6
07/19/91	13.9	5.6	10.79	553	147	0.0
07/20/91	15.5	2.1	10.00	518	165	0.0
07/21/91	19.9	3.7	12.70	553	159	0.0
07/22/91	24.0	8.4	15.67	553	152	0.0
07/23/91	29.5	7.3	18.46	547	188	0.0
07/24/91	30.9	10.3	20.56	529	141	0.0
07/25/91	19.1	13.3	16.36	406	84	11.8
07/26/91	17.5	9.2	14.26	512	117	0.0
07/27/91	18.5	7.8	12.56	524	128	0.4
07/28/91	16.4	6.2	11.07	518	101	0.6
07/29/91	15.5	9.5	12.41	600	157	0.0
07/30/91	17.7	8.7	13.40	565	169	0.0
07/31/91	20.5	4.0	12.68	506	166	0.0
08/01/91	24.0	5.9	14.87	553	151	0.0
08/02/91	20.7	9.2	15.11	265	81	0.0
08/03/91	24.9	11.7	17.12	588	92	0.2
08/04/91	18.5	10.6	15.30	406	75	0.2
08/05/91	18.5	5.9	12.68	518	163	0.0
08/06/91	23.8	2.6	12.65	512	146	0.0
08/07/91	18.5	11.1	14.90	512	85	0.6
08/08/91	23.2	13.6	17.26	571	111	1.0
08/09/91	20.2	7.8	14.52	441	125	0.0
08/10/91	19.9	8.4	14.02	500	149	0.0
08/11/91	23.2	9.8	16.26	494	147	0.0
08/12/91	26.5	10.9	17.20	441	110	0.0
08/13/91	28.7	9.8	17.78	506	131	0.0
08/14/91	31.7	11.4	19.45	482	137	0.0
08/15/91	26.8	13.1	19.01	494	142	0.0
08/16/91	26.5	10.0	18.26	488	138	0.0

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
08/17/91	28.4	9.8	18.84	482	136	0.0
08/18/91	23.5	15.5	20.10	465	130	0.0
08/19/91	17.7	13.3	15.48	541	54	0.2
08/20/91	18.5	9.8	14.66	512	112	1.0
08/21/91	17.2	7.0	12.71	506	99	0.0
08/22/91	18.0	5.6	12.59	488	107	0.0
08/23/91	16.4	10.9	13.25	465	108	0.8
08/24/91	16.9	7.6	12.45	447	114	0.2
08/25/91	14.2	5.1	10.45	400	66	0.8
08/26/91	18.5	9.5	12.79	488	71	11.2
08/27/91	13.6	7.3	10.01	482	67	4.4
08/28/91	12.5	5.4	8.41	353	39	5.2
08/29/91	11.1	6.2	9.13	88	13	20.6
08/30/91	16.9	5.6	10.71	465	99	0.6
08/31/91	13.9	4.3	8.31	394	64	2.2
09/01/91	12.2	3.5	7.68	494	86	0.2
09/02/91	15.0	4.0	9.21	471	108	0.0
09/03/91	15.8	6.5	11.36	294	60	0.4
09/04/91	16.6	9.2	12.68	400	82	0.0
09/05/91	18.0	7.8	12.69	418	74	0.2
09/06/91	15.3	7.8	11.40	435	78	0.0
09/07/91	13.1	4.0	9.34	441	87	0.0
09/08/91	15.5	3.7	8.55	424	107	0.0
09/09/91	14.2	3.7	9.14	247	56	0.0
09/10/91	16.1	7.0	11.15	388	86	0.2
09/11/91	16.1	8.4	12.00	353	79	1.6
09/12/91	13.9	7.8	10.33	347	51	8.0
09/13/91	13.9	8.1	10.63	424	83	0.4
09/14/91	13.3	1.8	8.53	276	62	0.6
09/15/91	11.7	6.2	8.91	135	28	0.2
09/16/91	13.3	5.1	8.78	394	77	0.0
09/17/91	17.5	4.8	10.50	388	63	0.2
09/18/91	19.4	6.2	11.74	447	72	0.0
09/19/91	13.9	7.6	10.36	412	59	0.0
09/20/91	10.0	3.7	7.01	347	46	0.6
09/21/91	11.7	1.5	7.21	382	72	0.0
09/22/91	8.9	4.3	6.27	182	35	2.8
09/23/91	16.9	4.0	11.03	312	49	0.2
09/24/91	19.1	7.6	14.73	394	65	0.0
09/25/91	14.4	3.7	8.45	335	56	0.0
09/26/91	20.2	3.2	11.03	329	62	0.0
09/27/91	16.9	8.7	12.50	347	61	0.0
09/28/91	10.9	1.0	7.82	312	64	0.0
09/29/91	9.5	-2.9	3.10	241	49	0.0
09/30/91	15.5	3.5	8.19	388	43	0.0
10/01/91	10.0	5.4	7.91	353	66	0.0
10/02/91	11.1	1.0	7.03	335	58	0.2
10/03/91	9.2	0.2	5.29	259	62	0.0
10/04/91	9.8	-0.9	4.54	224	44	0.4
10/05/91	14.2	2.6	7.18	282	51	0.0
10/06/91	15.8	3.7	7.87	282	38	0.0
10/07/91		1.5				0.0
04/27/92	10.9			518		0.0
04/28/92	10.3	-2.3	3.78	476	109	0.0
04/29/92	10.3	-2.0	4.44	482	103	0.0
04/30/92	8.9	-1.5	4.16	612	127	0.2
05/01/92	8.9	-2.9	3.26	476	94	0.4
05/02/92	11.4	-1.2	6.00	471	132	0.0

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
05/03/92	12.8	3.7	7.68	212	44	0.0
05/04/92	16.9	0.4	8.96	488	113	0.0
05/05/92	12.5	2.4	7.44	512	87	0.0
05/06/92	11.7	-0.4	5.57	565	180	0.0
05/07/92	13.6	-3.4	4.73	482	109	0.0
05/08/92	9.5	-0.1	4.78	565	111	0.0
05/09/92	6.7	-1.2	2.49	406	90	2.6
05/10/92	7.3	1.0	3.61	406	102	4.0
05/11/92	11.1	-0.7	4.95	635	135	0.4
05/12/92	12.8	-2.3	5.49	594	167	0.2
05/13/92	12.8	1.3	7.63	582	168	0.0
05/14/92	13.6	1.5	7.14	529	154	0.0
05/15/92	16.1	-2.0	7.15	582	182	0.0
05/16/92	16.4	-0.1	8.87	594	191	0.0
05/17/92	13.9	-0.4	6.87	588	187	0.0
05/18/92	8.4	1.0	4.23	547	137	0.0
05/19/92	6.7	-2.9	2.46	588	140	0.0
05/20/92	10.0	-4.2	3.30	712	172	0.0
05/21/92	10.9	-2.9	4.30	618	156	0.0
05/22/92	14.2	-2.3	6.47	518	170	0.0
05/23/92	19.6	0.4	10.49	582	183	0.0
05/24/92	13.9	4.3	8.91	294	72	0.0
05/25/92	24.3	5.9	11.78	641	106	0.2
05/26/92	17.2	6.2	10.74	571	160	0.2
05/27/92	14.2	5.6	9.90	594	135	0.0
05/28/92	17.2	5.9	10.97	629	139	0.0
05/29/92	14.4	5.4	9.26	629	146	4.2
05/30/92	18.8	2.1	11.46	541	136	0.0
05/31/92	15.3	8.4	11.11	294	59	12.6
06/01/92	15.3	5.6	9.39	559	135	1.2
06/02/92	12.0	4.3	8.51	612	119	0.0
06/03/92	17.2	1.5	9.28	582	182	0.0
06/04/92	19.6	3.5	11.46	606	187	0.0
06/05/92	19.9	4.8	11.79	641	184	0.0
06/06/92	17.5	3.2	11.25	471	141	0.0
06/07/92	15.0	6.5	10.27	653	93	0.0
06/08/92	18.0	6.7	11.70	659	144	0.0
06/09/92	11.7	8.1	9.71	276	75	2.2
06/10/92	13.9	7.0	9.53	588	86	6.0
06/11/92	19.1	7.0	13.03	588	141	3.0
06/12/92	21.3	9.5	14.41	447	70	0.2
06/13/92	24.9	8.7	17.23	671	136	0.0
06/14/92	24.9	8.1	16.57	606	153	0.0
06/15/92	19.6	10.6	14.82	624	134	0.0
06/16/92	18.0	10.0	13.15	612	180	0.0
06/17/92	20.7	8.7	13.36	612	203	0.0
06/18/92	19.6	8.9	13.61	629	141	0.4
06/19/92	15.3	9.2	11.83	276	60	2.2
06/20/92	18.8	9.2	14.16	371	93	0.0
06/21/92	19.4	6.7	13.40	606	198	0.0
06/22/92	21.0	6.7	13.65	600	144	0.4
06/23/92	23.2	7.6	15.12	618	211	0.0
06/24/92	24.9	6.7	15.46	606	209	0.0
06/25/92	28.2	8.4	17.41	606	203	0.0
06/26/92	26.8	8.7	17.67	606	206	0.0
06/27/92	27.6	7.6	17.94	594	192	0.0
06/28/92	27.6	12.8	20.52	524	174	0.0
06/29/92	25.4	12.2	19.30	624	207	0.0
06/30/92	26.2	10.0	18.05	635	198	0.0
07/01/92	22.9	8.9	14.23	476	105	1.2

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
07/02/92	20.5	5.6	11.68	600	106	0.2
07/03/92	20.2	7.0	12.44	606	118	0.2
07/04/92	23.8	5.4	13.45	629	170	0.0
07/05/92	22.4	5.9	14.16	576	151	0.0
07/06/92	19.9	9.5	15.02	571	125	0.0
07/07/92	18.3	12.5	14.43	582	118	0.0
07/08/92	22.1	8.9	14.27	629	155	1.4
07/09/92	21.0	8.1	14.64	541	149	0.0
07/10/92	22.7	10.0	15.75	653	161	0.2
07/11/92	24.0	6.5	16.33	606	147	0.0
07/12/92	20.5	10.9	15.65	676	128	1.6
07/13/92	14.4	8.4	10.89	453	95	4.0
07/14/92	16.9	8.9	12.74	541	127	0.0
07/15/92	21.8	6.2	14.75	635	177	0.0
07/16/92	21.8	7.0	14.47	659	175	0.0
07/17/92	23.5	5.4	14.36	594	183	0.0
07/18/92	22.1	6.5	14.91	594	151	0.0
07/19/92	25.7	5.6	15.86	588	185	0.0
07/20/92	28.2	7.8	18.36	582	186	0.0
07/21/92	23.5	12.0	17.86	606	166	0.0
07/22/92	24.6	6.7	16.12	594	186	0.0
07/23/92	25.1	7.8	16.24	588	172	0.0
07/24/92	25.1	10.3	18.29	582	168	0.0
07/25/92	22.7	10.6	15.66	629	117	0.0
07/26/92	19.9	9.8	13.51	647	143	0.0
07/27/92	20.7	10.6	15.69	600	161	0.2
07/28/92	22.9	10.0	16.47	571	158	0.0
07/29/92	22.9	10.3	16.53	588	154	0.0
07/30/92	23.5	8.4	15.89	588	175	0.0
07/31/92	27.1	5.9	15.47	576	171	0.0
08/01/92	30.1	6.2	17.32	582	142	0.0
08/02/92	29.0	10.9	19.32	565	170	0.0
08/03/92	26.5	10.3	18.36	565	169	0.0
08/04/92	28.7	10.3	18.76	571	163	0.0
08/05/92	28.2	11.1	19.67	641	137	0.0
08/06/92	18.5	10.9	13.92	218	49	8.8
08/07/92	18.5	6.2	12.28	553	119	0.0
08/08/92	19.9	4.0	11.74	582	155	0.0
08/09/92	21.0	6.5	13.23	606	120	0.0
08/10/92	25.1	2.9	13.91	559	165	0.0
08/11/92	27.1	9.5	18.16	571	127	0.0
08/12/92	29.8	8.7	18.95	547	163	0.0
08/13/92	25.4	8.4	16.40	529	112	0.0
08/14/92	21.8	8.4	15.21	612	151	0.0
08/15/92	22.7	6.5	14.73	541	157	0.0
08/16/92	23.5	5.9	14.39	535	152	0.0
08/17/92	25.7	7.0	15.74	541	123	0.2
08/18/92	22.1	9.8	15.56	547	143	0.0
08/19/92	21.8	7.8	13.74	535	155	0.0
08/20/92	23.2	2.9	12.51	535	144	0.0
08/21/92	16.4	5.9	11.62	582	131	0.0
08/22/92	16.9	-0.4	7.88	529	150	0.0
08/23/92	22.4	-1.2	9.63	524	148	0.0
08/24/92	23.8	2.6	13.63	512	143	0.0
08/25/92	21.8	12.0	16.70	488	79	0.0
08/26/92	18.5	8.9	12.56	282	55	1.4
08/27/92	14.2	4.5	9.81	406	89	0.0
08/28/92	18.5	2.6	9.53	506	141	0.0
08/29/92	14.7	3.2	9.44	247	57	1.4
08/30/92	15.8	7.8	11.16	212	46	1.8

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
08/31/92	17.2	5.1	10.86	353	49	0.4
09/01/92	16.6	8.1	11.82	506	116	0.4
09/02/92	14.2	6.7	10.25	524	77	0.0
09/03/92	15.5	2.1	8.96	500	105	0.0
09/04/92	9.5	2.6	5.83	329	41	7.4
09/05/92	10.9	1.3	5.41	418	76	0.4
09/06/92	12.8	0.2	5.98	482	70	0.0
09/07/92	10.3	3.2	6.95	141	16	7.0
09/08/92	11.7	2.4	7.36	353	62	0.2
09/09/92	13.3	5.1	8.69	194	34	2.4
09/10/92	13.1	1.5	8.36	441	83	1.4
09/11/92	12.0	-0.7	5.03	447	72	0.0
09/12/92	8.1	0.4	4.59	306	61	0.0
09/13/92	3.7	-0.7	0.99	329	32	11.0
09/14/92	7.6	-2.9	1.64	424	106	4.0
09/15/92	9.2	-3.4	2.10	435	62	0.2
09/16/92	7.8	2.4	5.03	429	65	2.8
09/17/92	10.6	-2.0	4.81	412	66	1.6
09/18/92	12.8	4.5	8.30	247	39	3.2
09/19/92	16.4	10.0	13.27	259	38	0.2
09/20/92	13.3	4.0	8.30	500	103	0.0
09/21/92	8.7	3.2	5.89	65	8	5.8
09/22/92	12.8	7.8	10.49	135	21	7.4
09/23/92	16.6	7.8	11.91	365	39	2.2
09/24/92	11.7	5.6	8.22	194	26	3.2
09/25/92	8.4	0.4	5.18	335	51	0.0
09/26/92	4.5	-0.1	1.70	82	8	18.2
09/27/92	4.5	-0.9	2.11	112	19	4.8
09/28/92	8.7	4.5	6.60	88	13	3.0
09/29/92	15.5	4.3	8.28	300	36	0.0
09/30/92	12.2	4.5	7.63	312	33	0.4
10/01/92	9.8	6.5	7.77	188	24	1.2
10/02/92	16.4	6.5	9.59	276	41	2.4
10/03/92	10.3	0.2	7.05	435	40	1.6
10/04/92	9.5	-1.8	2.13	406	61	0.4
10/05/92	8.7	-2.3	1.91	341	69	0.0
10/06/92	9.5	-2.6	1.42	347	65	0.0
10/07/92	5.4	-1.8	2.21	124	19	3.8
10/08/92	8.9	0.7	4.79	359	43	0.0
10/09/92	12.8	2.4	7.99	400	61	0.0
10/10/92	10.6	1.0	6.11	312	38	4.6
10/11/92	6.5	-3.7	0.31	329	61	0.0
10/12/92	5.6	-3.4	-0.49	324	58	0.0
10/13/92	5.6	-3.1	0.19	341	50	0.0
10/14/92	0.7	-8.6	-3.09	129	17	3.8
10/15/92	0.2	-9.2	-6.00	171	22	2.0
10/16/92	-0.4	-9.7	-5.26	188	30	0.4
10/17/92	-2.6	-4.5	-3.49			0.0
10/18/92	1.3	-2.6	-0.55			0.0
10/19/92	4.8	0.4	2.55			38.2 snow melt
10/20/92	8.1	2.1		235		2.8
04/16/93	13.1			506		0.0
04/17/93	12.5	-1.5	4.29	535	113	0.0
04/18/93	10.9	-2.0	3.28	565	95	0.0
04/19/93	13.1	-2.0	4.93	553	107	0.0
04/20/93	16.1	-3.4	6.41	529	159	0.0
04/21/93	10.3	2.4	5.06	376	68	1.0
04/22/93	13.3	-0.1	4.18	618	96	3.8

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
04/23/93	10.0	0.4	5.15	318	64	0.2
04/24/93	13.1	0.7	7.21	606	145	5.0
04/25/93	9.8	2.4	5.22	300	55	11.8
04/26/93	10.9	1.8	5.20	529	101	0.4
04/27/93	12.2	0.2	5.75	576	126	0.0
04/28/93	10.6	-0.7	4.79	300	93	0.0
04/29/93	12.0	-1.5	5.34	488	121	0.2
04/30/93	14.2	0.2	7.34	576	149	0.0
05/01/93	9.8	2.4	4.62	365	74	2.4
05/02/93	10.3	-0.1	5.64	629	133	0.0
05/03/93	14.7	-2.3	6.33	476	134	0.0
05/04/93	14.7	3.5	8.70	259	82	0.0
05/05/93	10.9	4.8	7.52	265	57	5.2
05/06/93	11.7	0.2	6.38	465	98	0.4
05/07/93	12.2	-2.0	5.08	424	105	0.2
05/08/93	13.6	-1.2	5.79	588	137	0.6
05/09/93	10.9	1.3	6.75	441	111	0.0
05/10/93	10.3	4.0	6.58	206	45	8.2
05/11/93	13.6	6.2	8.56	441	84	0.6
05/12/93	14.4	4.0	8.48	259	37	2.2
05/13/93	26.0	4.3	14.79	547	178	0.2
05/14/93	25.1	5.9	15.27	565	155	0.0
05/15/93	19.9	7.8	11.62	471	83	1.2
05/16/93	23.2	8.7	12.72	518	145	4.2
05/17/93	18.3	6.7	12.01	565	184	0.0
05/18/93	16.1	5.4	10.79	541	144	0.0
05/19/93	20.2	5.9	12.75	488	110	0.6
05/20/93	13.1	4.8	10.54	271	54	12.4
05/21/93	9.2	3.5	6.70	224	37	12.2
05/22/93	14.7	5.6	9.53	488	108	1.2
05/23/93	19.1	4.3	11.58	582	188	0.0
05/24/93	24.3	4.3	13.16	606	188	0.0
05/25/93	22.9	6.7	14.56	571	180	0.0
05/26/93	24.6	7.3	16.15	594	184	0.0
05/27/93	26.5	8.1	17.59	576	186	0.0
05/28/93	28.2	8.1	17.47	582	194	0.2
05/29/93	26.0	8.4	17.95	588	199	0.0
05/30/93	20.7	9.2	13.87	612	143	1.2
05/31/93	17.2	8.9	12.62	529	94	11.8
06/01/93	12.8	9.5	10.93	159	21	24.4
06/02/93	15.0	7.8	11.44	459	89	0.0
06/03/93	23.8	7.0	14.44	588	195	0.0
06/04/93	23.2	8.9	16.60	624	145	0.0
06/05/93	24.9	7.8	16.37	600	177	0.0
06/06/93	22.7	10.0	15.17	571	107	0.6
06/07/93	17.2	8.4	13.25	476	120	0.2
06/08/93	16.4	6.5	11.08	629	179	0.0
06/09/93	14.4	6.7	9.62	359	65	5.4
06/10/93	16.4	6.5	10.10	565	107	0.0
06/11/93	16.9	6.5	10.70	512	126	0.2
06/12/93	19.4	3.5	11.57	629	184	0.0
06/13/93	19.6	4.8	11.97	635	133	0.0
06/14/93	19.1	7.0	13.35	500	86	0.0
06/15/93	13.9	10.0	11.58	141	38	1.2
06/16/93	19.1	9.2	14.14	653	142	0.2
06/17/93	15.5	8.1	11.94	235	61	1.8
06/18/93	15.8	8.4	11.97	529	108	2.6
06/19/93	15.8	5.4	10.31	600	142	0.6
06/20/93	18.5	3.5	10.38	647	176	0.2
06/21/93	17.2	5.9	11.59	576	108	0.8

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
06/22/93	10.3	5.4	7.48	365	58	19.4
06/23/93	16.6	7.3	11.23	547	91	0.0
06/24/93	18.3	5.1	12.31	482	137	0.0
06/25/93	18.0	9.2	13.24	500	91	0.0
06/26/93	15.5	8.1	11.43	488	75	10.0
06/27/93	12.2	9.2	11.18	112	29	20.6
06/28/93	15.3	10.3	11.85	459	71	10.4
06/29/93	15.0	9.8	12.16	394	74	0.0
06/30/93	18.5	8.7	13.57	612	169	0.0
07/01/93	20.5	7.0	13.88	618	199	0.0
07/02/93	23.2	6.7	14.84	594	156	0.0
07/03/93	21.0	8.7	15.43	641	168	0.0
07/04/93	19.6	11.7	15.19	606	139	0.0
07/05/93	18.8	10.3	14.64	600	185	0.0
07/06/93	22.9	10.3	15.11	588	133	0.4
07/07/93	24.0	10.3	15.94	618	162	0.0
07/08/93	16.9	10.3	12.10	606	74	13.0
07/09/93	20.2	7.8	13.31	659	165	0.0
07/10/93	18.8	9.2	13.36	576	117	0.4
07/11/93	19.4	9.8	14.58	518	112	0.0
07/12/93	19.9	5.1	12.45	618	123	0.0
07/13/93	20.5	4.0	12.37	541	146	0.2
07/14/93	15.0	5.9	10.29	465	45	8.6
07/15/93	15.8	7.6	11.50	476	93	1.0
07/16/93	21.8	4.3	12.89	612	184	0.0
07/17/93	25.1	4.5	15.23	594	184	0.0
07/18/93	23.2	10.6	17.17	641	137	0.0
07/19/93	24.3	8.1	16.52	600	188	0.0
07/20/93	19.4	8.9	14.93	524	87	0.0
07/21/93	22.9	5.9	14.91	588	152	0.0
07/22/93	19.6	8.7	13.99	435	79	0.4
07/23/93	19.1	10.9	14.82	612	100	0.2
07/24/93	19.4	12.5	15.45	476	109	0.0
07/25/93	24.6	8.4	16.17	576	182	0.0
07/26/93	24.6	7.3	16.55	565	136	0.2
07/27/93	23.8	13.3	17.53	612	148	5.4
07/28/93	16.6	12.0	13.76	265	41	25.2
07/29/93	15.0	7.8	11.32	500	53	20.2
07/30/93	16.4	7.8	11.32	588	90	1.2
07/31/93	19.4	8.7	14.29	647	119	0.0
08/01/93	22.7	5.6	14.21	571	176	0.0
08/02/93	24.6	8.4	16.12	565	174	0.0
08/03/93	31.2	8.7	16.74	694	166	0.0
08/04/93	28.2	9.2	17.50	547	169	0.0
08/05/93	31.7	9.2	18.86	559	172	0.0
08/06/93	21.8	11.4	16.71	582	107	2.2
08/07/93	23.5	7.0	16.06	524	143	0.0
08/08/93	16.6	9.5	13.33	529	64	6.8
08/09/93	15.3	7.3	10.79	476	104	4.0
08/10/93	19.1	6.2	11.69	547	162	0.2
08/11/93	19.9	4.0	12.23	459	116	0.0
08/12/93	19.6	7.8	13.12	594	99	0.4
08/13/93	21.0	5.1	12.67	618	171	0.0
08/14/93	22.9	4.8	13.08	547	159	0.0
08/15/93	25.1	4.5	13.94	529	161	0.0
08/16/93	24.6	7.3	15.30	529	154	0.0
08/17/93	26.8	7.3	16.62	535	155	0.0
08/18/93	24.6	10.0	16.45	512	114	0.0
08/19/93	24.0	8.4	15.90	559	133	0.0
08/20/93	24.6	8.1	16.05	494	113	0.0

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
08/21/93	21.0	7.8	13.46	488	74	4.8
08/22/93	16.6	7.8	12.02	329	69	8.6
08/23/93	12.5	7.0	10.53	118	33	15.8
08/24/93	12.5	6.7	9.18	218	47	11.2
08/25/93	15.3	5.4	10.37	382	78	0.0
08/26/93	14.4	4.0	8.72	429	68	1.4
08/27/93	15.8	3.5	8.89	406	101	0.6
08/28/93	16.1	4.0	9.86	565	106	0.0
08/29/93	20.2	4.0	10.69	500	129	0.0
08/30/93	21.6	4.0	12.30	512	128	0.0
08/31/93	22.7	11.4	16.40	518	116	0.0
09/01/93	23.2	8.7	14.96	488	131	0.0
09/02/93	24.9	8.9	16.38	500	137	0.0
09/03/93	22.9	7.8	14.86	494	128	0.0
09/04/93	21.3	4.3	11.95	476	134	0.0
09/05/93	21.8	4.0	11.71	465	110	0.0
09/06/93	21.0	4.3	12.47	465	116	0.0
09/07/93	24.6	7.3	14.33	471	106	0.0
09/08/93	22.1	5.9	14.17	482	128	0.0
09/09/93	22.7	3.2	11.75	482	111	0.0
09/10/93	21.0	5.4	10.84	488	78	0.2
09/11/93	15.8	4.5	9.35	453	81	0.6
09/12/93	17.2	1.8	8.68	459	97	0.0
09/13/93	15.3	8.7	11.32	359	71	0.4
09/14/93	16.4	5.6	10.52	500	95	0.0
09/15/93	17.7	2.6	8.75	447	106	0.0
09/16/93	18.5	1.3	7.64	429	102	0.0
09/17/93	18.8	2.1	9.15	429	104	0.0
09/18/93	12.0	-0.7	7.11	441	107	0.0
09/19/93	12.5	-2.3	3.49	435	111	0.0
09/20/93	14.2	-3.7	3.67	424	107	0.0
09/21/93	13.1	-1.5	6.59	406	86	0.0
09/22/93	15.0	4.3	9.64	418	87	0.0
09/23/93	17.7	5.6	10.86	465	54	0.4
09/24/93	11.7	5.6	8.43	312	50	9.0
09/25/93	12.0	0.7	7.14	229	49	0.8
09/26/93	16.6	5.9		471		0.2
04/23/94	11.4			600		0.0
04/24/94	9.5	-2.0	4.15	576	161	0.0
04/25/94	10.0	-2.3	3.99	541	166	0.0
04/26/94	12.5	-4.2	3.90	535	168	0.0
04/27/94	14.2	-3.4	5.74	541	169	0.0
04/28/94	15.5	0.4	7.07	618	123	0.0
04/29/94	18.0	1.8	8.57	594	115	0.6
04/30/94	9.8	-1.2	5.57	565	114	0.8
05/01/94	14.2	-3.4	5.94	553	170	1.6
05/02/94	10.3	0.7	5.46	571	128	1.2
05/03/94	12.8	-1.5	4.93	576	157	0.0
05/04/94	14.2	-3.1	5.42	453	115	0.0
05/05/94	15.3	-0.4	6.76	453	83	0.0
05/06/94	16.1	2.1	7.76	518	88	0.0
05/07/94	15.3	-0.9	6.91	559	179	0.0
05/08/94	19.9	-0.7	9.18	447	130	0.0
05/09/94	14.7	3.7	9.99	582	169	0.0
05/10/94	14.2	-0.1	7.88	600	117	1.6
05/11/94	17.5	3.7	10.34	524	100	2.2
05/12/94	12.2	1.0	7.30	553	134	0.0
05/13/94	11.7	1.8	6.03	606	102	1.4

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
05/14/94	13.3	-0.9	5.64	582	177	0.0
05/15/94	16.4	-1.8	7.72	500	124	0.0
05/16/94	10.9	6.7	8.24	388	58	1.8
05/17/94	17.7	4.5	10.21	465	109	0.0
05/18/94	22.1	1.0	10.32	671	207	0.0
05/19/94	21.6	2.1	11.78	641	172	0.0
05/20/94	21.0	6.7	13.32	600	164	0.0
05/21/94	19.6	5.1	10.85	635	149	2.8
05/22/94	17.5	4.3	10.80	618	168	0.2
05/23/94	17.7	3.7	10.97	518	132	0.0
05/24/94	18.5	3.7	11.69	494	111	0.8
05/25/94	12.5	5.4	9.11	535	74	3.6
05/26/94	13.3	0.7	6.77	524	122	0.2
05/27/94	12.5	-0.4	5.48	600	149	0.0
05/28/94	7.0	3.2	4.81	141	44	8.4
05/29/94	11.1	2.6	5.90	618	102	0.8
05/30/94	12.8	-0.1	6.82	541	145	0.2
05/31/94	16.9	2.4	9.41	382	78	0.6
06/01/94	16.6	2.1	9.50	624	166	0.0
06/02/94	19.1	1.0	11.11	547	173	0.0
06/03/94	19.1	7.3	12.53	553	130	0.0
06/04/94	15.8	7.6	11.39	618	113	5.6
06/05/94	15.5	8.1	11.32	582	115	1.2
06/06/94	13.3	8.4	10.07	365	74	5.6
06/07/94	12.0	8.7	10.18	359	74	3.6
06/08/94	15.0	6.5	11.20	512	145	0.0
06/09/94	19.1	6.2	11.95	653	170	0.0
06/10/94	19.4	4.5	12.88	612	188	0.0
06/11/94	17.7	8.4	12.01	559	110	2.8
06/12/94	13.6	5.9	9.65	435	91	9.2
06/13/94	9.5	5.6	8.13	229	49	24.4
06/14/94	11.1	5.1	7.46	300	72	2.6
06/15/94	16.6	4.3	10.25	641	166	0.0
06/16/94	16.4	4.8	9.23	600	106	2.8
06/17/94	17.5	2.6	10.14	712	172	0.0
06/18/94	18.5	3.5	11.10	635	207	0.0
06/19/94	18.3	5.9	11.86	576	171	0.0
06/20/94	19.4	4.8	12.55	629	211	0.0
06/21/94	23.2	4.5	13.94	606	212	0.0
06/22/94	25.1	9.2	16.79	618	216	0.0
06/23/94	25.4	9.5	18.08	612	187	0.0
06/24/94	25.1	14.7	19.48	606	210	0.0
06/25/94	24.0	12.2	17.74	618	211	0.0
06/26/94	21.8	10.9	15.78	676	217	0.0
06/27/94	17.2	10.3	12.96	424	109	0.0
06/28/94	16.1	7.0	11.88	424	87	3.2
06/29/94	16.1	7.8	11.25	476	90	2.2
06/30/94	14.7	7.3	11.20	341	85	0.6
07/01/94	12.8	9.2	10.79	235	66	9.6
07/02/94	15.5	9.5	11.58	394	69	9.0
07/03/94	18.5	10.9	13.36	635	125	0.2
07/04/94	18.0	8.7	12.24	476	80	4.6
07/05/94	21.3	6.5	13.86	488	137	0.4
07/06/94	18.3	9.8	13.90	324	73	0.2
07/07/94	20.7	7.3	13.29	676	132	0.2
07/08/94	16.4	5.1	11.06	624	136	0.2
07/09/94	15.3	8.1	12.18	318	79	3.0
07/10/94	19.1	10.3	14.14	753	154	0.0
07/11/94	22.7	7.6	15.56	600	143	0.0
07/12/94	23.2	11.1	16.59	653	146	0.0

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
07/13/94	27.6	8.7	16.32	612	164	0.0
07/14/94	23.8	9.2	16.12	535	142	0.0
07/15/94	26.2	8.9	17.03	612	157	0.0
07/16/94	21.3	9.2	15.24	441	87	0.0
07/17/94	19.1	8.9	13.83	376	72	0.0
07/18/94	20.7	12.2	15.83	553	118	0.0
07/19/94	25.7	9.5	17.22	641	176	0.0
07/20/94	30.4	8.4	19.38	600	185	0.0
07/21/94	26.5	8.9	18.47	612	196	0.0
07/22/94	29.8	4.8	16.72	600	192	0.0
07/23/94	33.1	6.5	18.12	659	191	0.0
07/24/94	33.4	10.0	20.88	624	155	0.0
07/25/94	25.1	11.1	18.81	465	96	0.0
07/26/94	27.9	13.6	19.90	647	149	0.0
07/27/94	32.5	10.0	18.90	582	180	0.0
07/28/94	29.8	8.4	18.60	582	174	1.6
07/29/94	23.8	13.6	17.51	559	112	0.2
07/30/94	21.8	9.8	16.13	682	138	0.0
07/31/94	21.0	5.9	13.43	565	139	0.0
08/01/94	26.5	5.9	15.39	576	152	0.0
08/02/94	30.9	9.2	19.07	559	172	0.0
08/03/94	31.2	10.6	18.18	559	146	21.4
08/04/94	24.6	13.3	18.17	541	144	23.8
08/05/94	18.8	12.2	15.35	359	78	11.2
08/06/94	14.7	11.1	12.78	118	27	0.4
08/07/94	23.8	11.1	16.50	541	152	0.0
08/08/94	24.9	8.7	16.23	624	141	0.0
08/09/94	19.9	8.4	14.83	329	67	0.0
08/10/94	24.9	6.5	15.57	541	165	0.0
08/11/94	26.5	7.6	17.16	541	163	0.0
08/12/94	25.1	12.5	18.01	465	110	0.0
08/13/94	28.7	9.8	18.56	494	131	0.0
08/14/94	23.8	11.7	17.66	535	119	0.2
08/15/94	23.5	10.6	17.10	565	155	0.0
08/16/94	23.8	7.8	15.22	541	161	0.0
08/17/94	26.5	7.3	15.80	565	146	0.2
08/18/94	24.3	8.4	15.51	471	130	0.0
08/19/94	30.9	8.1	17.89	518	147	0.0
08/20/94	23.5	10.6	16.36	518	116	0.2
08/21/94	20.7	8.4	14.67	588	110	0.0
08/22/94	16.6	7.3	11.99	524	93	2.2
08/23/94	15.0	7.0	10.92	329	72	0.2
08/24/94	18.0	6.2	12.14	524	147	0.0
08/25/94	20.7	4.3	11.31	524	148	0.0
08/26/94	22.7	3.2	11.86	524	148	0.0
08/27/94	25.4	3.5	13.09	512	147	0.0
08/28/94	25.7	4.8	14.00	506	144	0.0
08/29/94	25.4	8.1	15.89	500	136	0.0
08/30/94	20.5	8.4	14.02	500	83	7.6
08/31/94	19.9	7.3	13.27	524	110	3.8
09/01/94	16.4	5.9	10.40	494	100	0.0
09/02/94	16.6	5.9	10.47	453	92	1.2
09/03/94	16.4	4.0	9.81	453	88	0.0
09/04/94	15.3	1.3	8.34	365	64	1.6
09/05/94	15.8	7.6	11.04	229	50	2.8
09/06/94	15.0	7.6	11.22	159	28	2.8
09/07/94	14.2	3.5	9.06	418	77	4.6
09/08/94	11.1	8.4	9.58	106	22	7.8
09/09/94	14.4	4.3	9.47	453	73	1.6
09/10/94	15.0	3.5	8.02	594	70	0.6

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
09/11/94	13.3	3.2	7.88	388	77	0.2
09/12/94	11.7	6.2	8.84	176	31	3.8
09/13/94	17.7	7.6	11.17	512	55	5.0
09/14/94	13.9	5.4	9.59	276	44	1.6
09/15/94	19.9	9.2	13.60	459	68	0.4
09/16/94	21.0	7.8	14.13	394	64	0.0
09/17/94	18.0	5.6	10.63	206	41	0.0
09/18/94	17.7	3.5	9.79	400	68	0.0
09/19/94	13.3	1.5	8.79	406	46	1.0
09/20/94	14.7	0.4	7.00	447	101	0.2
09/21/94	19.9	3.5	10.61	388	88	0.0
09/22/94	17.5	9.2	12.78	159	25	3.4
09/23/94	13.1	4.0	8.47	359	65	0.0
09/24/94	22.4	6.2	12.49	406	74	0.2
09/25/94	15.3	6.2	11.23	465	80	0.0
09/26/94	11.7	3.5	7.64	259	43	0.6
09/27/94	15.0	0.4	7.96	418	75	0.8
09/28/94		-1.8				
04/26/95	13.3			612		0.0
04/27/95	14.2	-2.9	6.17	565	177	0.0
04/28/95	17.2	-3.1	6.10	559	180	0.0
04/29/95	10.0	-1.8	4.67	547	91	0.0
04/30/95	10.9	-1.2	5.78	671	148	0.0
05/01/95	14.2	-2.9	5.78	653	164	0.0
05/02/95	15.5	-0.9	7.04	506	133	0.0
05/03/95	13.3	-1.8	6.28	653	136	0.0
05/04/95	12.2	-2.9	4.81	676	137	0.0
05/05/95	16.6	-3.4	5.64	588	181	0.0
05/06/95	16.4	-0.7	7.65	565	178	0.0
05/07/95	20.5	-1.8	9.41	576	189	0.0
05/08/95	23.8	-0.9	10.03	571	192	0.0
05/09/95	23.5	-0.1	12.71	647	194	0.0
05/10/95	22.1	2.4	9.91	547	124	0.0
05/11/95	10.0	3.7	7.04	288	39	16.0
05/12/95	21.6	4.3	10.50	541	173	0.4
05/13/95	21.3	1.5	11.16	582	195	0.0
05/14/95	16.9	7.6	12.47	612	117	0.2
05/15/95	18.3	4.8	11.46	588	192	0.0
05/16/95	16.1	5.1	9.69	588	141	0.2
05/17/95	10.0	3.5	6.50	412	101	0.0
05/18/95	10.9	1.0	6.31	665	156	0.0
05/19/95	11.1	3.2	6.68	588	124	0.0
05/20/95	17.5	-0.4	7.91	606	203	0.0
05/21/95	21.3	-1.8	9.29	606	200	0.0
05/22/95	22.7	-0.7	10.20	612	202	0.0
05/23/95	21.0	3.2	11.43	600	198	0.0
05/24/95	22.7	3.5	13.07	606	180	0.0
05/25/95	22.1	4.3	13.56	588	175	0.0
05/26/95	27.9	4.0	16.06	588	194	0.0
05/27/95	24.3	6.5	15.75	624	173	0.0
05/28/95	22.1	5.4	14.39	547	153	0.0
05/29/95	18.0	5.6	11.82	576	140	0.0
05/30/95	14.4	4.3	9.35	606	116	0.0
05/31/95	16.1	0.4	8.94	488	117	0.0
06/01/95	17.7	2.9	11.33	618	191	0.0
06/02/95	19.9	4.8	12.19	688	191	0.0
06/03/95	22.7	0.7	13.41	618	202	0.0
06/04/95	16.1	8.9	12.28	441	86	1.8

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
06/05/95	12.0	4.0	8.81	447	76	5.0
06/06/95	18.0	2.4	9.62	547	166	0.0
06/07/95	18.3	5.6	12.11	612	115	0.0
06/08/95	24.3	5.1	15.33	659	187	0.0
06/09/95	28.7	5.4	16.84	612	208	0.0
06/10/95	25.7	7.8	17.69	606	191	0.0
06/11/95	19.1	7.6	13.10	529	83	1.0
06/12/95	15.5	4.8	9.40	576	111	6.8
06/13/95	14.2	4.0	8.20	606	108	3.0
06/14/95	13.1	5.9	9.55	559	93	0.8
06/15/95	12.0	7.8	9.92	194	53	0.8
06/16/95	18.3	5.1	11.85	635	184	0.2
06/17/95	17.7	7.0	11.93	629	138	4.0
06/18/95	21.6	5.6	13.02	624	208	0.0
06/19/95	24.0	10.9	16.05	641	145	0.8
06/20/95	25.4	9.8	17.69	612	205	0.2
06/21/95	26.8	10.9	16.65	600	142	5.6
06/22/95	24.3	7.8	15.56	600	143	0.0
06/23/95	19.9	7.6	13.97	559	133	0.0
06/24/95	15.3	8.7	11.59	618	111	0.8
06/25/95	12.8	4.8	8.70	518	94	2.4
06/26/95	21.8	3.7	12.69	618	210	0.2
06/27/95	26.8	4.8	15.30	629	215	0.0
06/28/95	29.5	6.2	18.14	612	212	0.0
06/29/95	30.1	6.7	18.40	618	209	0.0
06/30/95	29.5	10.3	19.47	641	175	0.0
07/01/95	21.6	10.0	15.34	365	74	2.2
07/02/95	15.8	12.0	13.75	294	78	0.6
07/03/95	16.6	11.1	13.50	371	81	4.4
07/04/95	20.7	9.5	14.30	635	159	5.0
07/05/95	19.4	8.7	12.76	618	137	1.8
07/06/95	20.2	6.7	13.39	629	144	0.2
07/07/95	24.3	5.6	14.77	612	155	0.0
07/08/95	21.6	8.1	14.36	665	88	0.0
07/09/95	28.7	8.4	17.24	641	191	0.0
07/10/95	16.1	10.6	13.27	488	70	32.0
07/11/95	15.0	9.5	11.79	194	56	2.2
07/12/95	19.9	11.1	14.95	618	134	0.2
07/13/95	18.0	8.1	12.76	553	86	1.2
07/14/95	18.5	9.5	14.22	588	141	0.0
07/15/95	21.3	8.4	14.80	635	160	0.0
07/16/95	22.1	8.1	15.77	624	166	0.0
07/17/95	21.3	10.9	15.27	682	127	1.2
07/18/95	26.8	8.4	16.82	594	189	0.0
07/19/95	28.4	7.8	18.12	600	182	0.0
07/20/95	27.3	12.5	19.50	671	167	0.0
07/21/95	27.6	9.2	18.08	565	173	0.0
07/22/95	26.0	9.8	17.99	600	147	0.0
07/23/95	19.9	12.5	15.94	582	132	0.0
07/24/95	16.1	8.9	12.67	271	61	3.6
07/25/95	21.0	10.0	14.39	518	109	0.2
07/26/95	20.2	9.8	13.73	612	129	0.0
07/27/95	17.7	5.6	11.67	612	137	0.0
07/28/95	19.1	2.9	11.52	594	149	0.0
07/29/95	22.7	9.8	15.49	594	153	0.0
07/30/95	14.4	10.0	12.40	153	47	3.4
07/31/95	16.9	9.5	13.54	388	98	0.2
08/01/95	20.5	4.5	12.38	582	179	0.0
08/02/95	15.5	4.8	10.92	276	57	0.6
08/03/95	20.7	10.6	15.80	353	89	0.4

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
08/04/95	19.9	9.5	15.14	565	105	0.4
08/05/95	17.7	6.7	12.44	571	129	0.0
08/06/95	18.3	3.7	10.36	629	140	0.0
08/07/95	17.7	5.1	11.24	512	87	1.4
08/08/95	21.8	4.5	12.10	629	122	0.0
08/09/95	23.2	3.7	13.40	571	163	0.0
08/10/95	20.7	5.6	13.15	465	93	0.2
08/11/95	17.5	7.6	11.96	576	82	5.8
08/12/95	20.7	5.9	12.92	588	135	0.0
08/13/95	15.8	9.8	12.48	365	72	2.6
08/14/95	12.8	5.4	10.15	165	39	0.4
08/15/95	16.1	3.2	9.28	465	110	0.0
08/16/95	14.2	5.6	9.61	453	83	0.0
08/17/95	15.5	6.5	10.42	353	69	0.0
08/18/95	13.9	7.3	10.35	335	53	0.0
08/19/95	15.0	7.6	10.80	465	76	6.0
08/20/95	18.8	7.0	12.16	535	120	1.0
08/21/95	14.2	10.0	11.69	512	53	13.6
08/22/95	12.8	7.0	10.28	453	59	21.2
08/23/95	15.8	4.8	9.18	535	89	0.2
08/24/95	14.2	4.8	9.08	265	57	4.6
08/25/95	16.1	4.0	10.51	459	104	0.4
08/26/95	15.8	2.1	8.69	541	78	0.2
08/27/95	17.5	2.6	9.24	447	103	0.0
08/28/95	17.7	1.0	8.20	559	98	0.0
08/29/95	18.8	1.5	8.96	524	117	0.0
08/30/95	19.1	2.1	10.09	541	138	0.0
08/31/95	16.4	4.5	11.22	406	90	0.0
09/01/95	18.8	4.0	12.23	406	98	0.0
09/02/95	18.5	8.1	13.15	382	78	0.0
09/03/95	21.3	3.5	11.02	494	133	0.0
09/04/95	20.2	3.2	11.36	476	127	0.0
09/05/95	23.5	7.0	14.49	465	100	0.0
09/06/95	23.8	5.1	13.26	471	124	0.0
09/07/95	22.1	4.8	12.69	471	123	0.0
09/08/95	22.9	4.0	12.38	494	126	0.0
09/09/95	22.9	4.8	13.59	606	109	0.0
09/10/95	18.3	8.9	13.51	447	55	0.0
09/11/95	18.0	11.7	15.33	247	49	0.8
09/12/95	17.7	5.1	10.99	488	59	0.0
09/13/95	19.4	1.5	9.97	465	115	0.0
09/14/95	21.6	5.1	10.79	553	81	0.0
09/15/95	19.1	2.1	9.38	565	98	0.0
09/16/95	19.9	0.2	9.21	453	116	0.0
09/17/95	19.4	1.8	9.23	447	89	0.0
09/18/95	12.8	-2.0	5.07	529	98	0.0
09/19/95	15.5	-4.2	3.67	465	112	0.0
09/20/95	20.2	-3.4	6.02	453	116	0.0
09/21/95	17.5	-2.9	5.66	441	112	0.0
09/22/95	19.6	-0.7	7.72	435	110	0.0
09/23/95	24.0	0.7	10.86	429	106	0.0
09/24/95	23.8	2.6	11.40	429	104	0.0
09/25/95	23.2	1.0	9.87	412	101	0.0
09/26/95	18.5	3.2	10.51	365	78	8.0
09/27/95	14.2	4.3	9.39	235	34	1.6
09/28/95	14.7	3.5	8.58	394	58	0.2
09/29/95	13.1	4.0		365		0.2

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
04/25/96						2.0
04/26/96	7.3	-0.7	3.72	288	79	0.2
04/27/96	7.0	-2.9	2.54	576	142	0.0
04/28/96	9.5	-4.0	2.63	382	100	1.2
04/29/96	10.3	-0.4	4.09	641	118	2.2
04/30/96	5.9	-1.5	2.07	518	111	0.0
05/01/96	3.7	-0.1	1.48	253	57	4.2
05/02/96	7.3	-1.5	1.42	553	88	2.6
05/03/96	10.9	-2.3	2.30	618	139	0.0
05/04/96	9.5	-3.7	2.75	565	129	0.0
05/05/96	4.3	-1.5	0.97	294	65	2.8
05/06/96	3.2	-4.8	-0.86	524	102	4.2
05/07/96	4.5	-5.6	-0.66	629	191	0.0
05/08/96	4.3	-5.3	-0.08	394	106	0.0
05/09/96	5.9	-5.1	0.98	576	143	0.0
05/10/96	9.8	-5.9	2.06	653	197	0.0
05/11/96	12.5	-5.6	3.98	594	199	0.0
05/12/96	9.2	-0.7	4.34	324	88	0.6
05/13/96	11.4	2.6	5.98	288	68	3.2
05/14/96	8.7	2.6	5.23	712	99	1.6
05/15/96	10.0	-0.9	4.72	453	104	2.8
05/16/96	11.4	-2.9	3.70	576	123	0.0
05/17/96	13.1	-3.4	5.09	576	172	0.0
05/18/96	10.6	4.3	6.64	312	67	1.0
05/19/96	11.4	3.5	6.71	582	83	1.8
05/20/96	13.1	-0.1	5.44	559	133	1.0
05/21/96	13.9	1.0	6.42	629	148	0.2
05/22/96	13.6	1.0	7.51	500	110	0.8
05/23/96	14.7	0.7	8.32	600	154	0.0
05/24/96	18.0	1.0	9.18	518	121	1.0
05/25/96	13.1	2.9	7.88	518	129	3.6
05/26/96	10.3	0.7	5.67	547	135	0.0
05/27/96	12.5	-0.4	6.23	647	169	0.0
05/28/96	16.9	-0.9	7.64	629	144	0.0
05/29/96	18.5	-0.7	8.44	671	144	0.0
05/30/96	15.8	3.2	8.72	653	103	1.4
05/31/96	20.7	1.5	10.95	665	176	0.0
06/01/96	15.5	6.5	10.83	524	112	2.4
06/02/96	20.5	6.7	12.25	571	157	4.4
06/03/96	18.5	4.0	10.83	588	99	1.2
06/04/96	16.9	8.1	10.99	518	88	2.8
06/05/96	18.0	7.0	11.37	653	195	0.0
06/06/96	16.4	8.1	10.83	547	97	3.4
06/07/96	14.4	3.7	9.19	482	125	0.6
06/08/96	13.6	0.4	7.38	488	118	0.6
06/09/96	13.9	2.9	8.35	653	132	0.6
06/10/96	12.8	4.5	7.90	465	80	5.8
06/11/96	14.2	2.4	8.31	453	116	0.2
06/12/96	15.5	2.6	9.46	741	152	0.0
06/13/96	13.3	2.4	8.60	512	117	0.0
06/14/96	13.3	-0.1	7.94	447	123	0.0
06/15/96	9.8	3.2	5.95	465	69	9.0
06/16/96	13.9	1.8	7.23	535	139	0.0
06/17/96	13.9	1.8	7.62	618	117	2.4
06/18/96	17.7	6.2	10.30	671	136	1.0
06/19/96	18.0	8.4	12.39	541	152	0.2
06/20/96	19.4	6.5	12.28	624	141	0.0
06/21/96	16.9	8.1	11.36	606	120	2.2
06/22/96	17.7	8.1	10.85	565	99	4.8
06/23/96	18.8	8.7	12.46	606	106	1.2

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
06/24/96	21.0	6.2	12.49	718	148	0.0
06/25/96	22.9	4.5	12.54	741	170	1.8
06/26/96	17.2	6.7	11.77	494	108	3.6
06/27/96	17.7	5.9	11.69	571	108	0.2
06/28/96	13.6	8.9	10.76	512	113	0.8
06/29/96	16.1	4.5	11.07	524	129	0.2
06/30/96	18.8	6.5	12.07	529	136	0.0
07/01/96	16.4	3.5	9.67	600	135	0.0
07/02/96	19.9	0.2	10.94	565	190	0.0
07/03/96	15.5	8.4	10.60	441	57	13.6
07/04/96	15.3	5.9	9.45	512	110	0.2
07/05/96	13.9	7.8	10.11	476	66	0.0
07/06/96	19.9	7.3	12.53	594	206	0.0
07/07/96	21.3	4.8	13.56	594	201	0.0
07/08/96	22.7	10.9	14.81	565	107	4.4
07/09/96	16.6	8.7	11.97	706	113	2.0
07/10/96	17.7	7.3	12.13	641	161	0.0
07/11/96	21.0	5.1	13.33	594	190	0.0
07/12/96	23.5	8.4	14.24	647	167	0.0
07/13/96	23.5	7.0	14.79	594	190	0.0
07/14/96	24.0	7.6	15.33	606	201	0.0
07/15/96	21.3	6.7	14.06	606	155	0.0
07/16/96	18.5	4.3	11.78	659	182	0.0
07/17/96	11.7	7.6	9.39	112	24	20.2
07/18/96	13.6	4.8	9.53	594	101	17.8
07/19/96	9.2	3.2	6.90	171	38	5.0
07/20/96	15.8	8.7	11.78	459	79	0.2
07/21/96	16.4	8.1	13.42	424	95	0.0
07/22/96	21.3	6.2	13.05	588	170	0.0
07/23/96	22.9	6.5	14.20	582	184	0.0
07/24/96	25.7	7.6	16.02	618	192	0.0
07/25/96	26.5	9.2	17.63	582	187	0.0
07/26/96	25.7	9.8	16.61	612	143	1.6
07/27/96	28.4	8.1	17.68	576	171	0.0
07/28/96	27.9	9.2	17.79	565	115	0.0
07/29/96	28.4	10.0	18.44	594	155	0.0
07/30/96	16.6	8.1	12.15	600	92	0.2
07/31/96	17.2	9.2	12.93	565	114	0.0
08/01/96	19.1	7.3	13.04	612	126	0.0
08/02/96	21.8	5.1	13.29	582	177	0.0
08/03/96	14.7	9.5	12.84	341	53	0.0
08/04/96	17.5	7.0	12.34	629	166	3.0
08/05/96	22.7	10.0	15.53	565	171	0.0
08/06/96	17.7	7.0	13.14	600	126	0.0
08/07/96	18.5	5.4	11.63	494	89	0.0
08/08/96	22.7	8.4	15.18	547	130	0.2
08/09/96	18.8	8.7	14.27	441	77	0.0
08/10/96	21.8	9.2	16.05	518	139	0.2
08/11/96	18.5	8.9	12.72	571	63	3.6
08/12/96	18.8	6.5	12.84	518	120	3.6
08/13/96	17.7	4.3	11.02	547	86	0.0
08/14/96	20.7	5.6	12.25	565	138	0.0
08/15/96	19.1	6.5	10.50	553	75	4.2
08/16/96	14.4	7.0	9.80	482	87	2.8
08/17/96	14.4	5.1	10.28	265	67	0.2
08/18/96	14.4	6.2	10.85	265	63	0.0
08/19/96	13.3	8.1	10.46	371	80	2.0
08/20/96	15.3	8.1	11.48	429	91	0.0
08/21/96	13.3	6.2	9.77	218	52	0.4
08/22/96	18.8	9.8	13.33	424	68	1.4

Table 2. METEOROLOGICAL DATA SOUTH END TAKLA LAKE 1991 - 1996

DATE	AIR TEMPERATURE (°C)			RADIATION (watts/sq.m.)		PRECIPITATION TOTAL (mm.)
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	AVERAGE	
08/23/96	18.3	5.6	12.88	541	113	0.2
08/24/96	19.6	2.9	10.44	518	146	0.0
08/25/96	21.8	3.2	11.60	512	135	0.0
08/26/96	23.2	4.0	12.71	541	140	0.0
08/27/96	21.6	3.7	11.45	476	71	0.0
08/28/96	19.4	8.9	13.82	371	75	0.0
08/29/96	24.0	9.2	16.31	471	95	1.2
08/30/96	15.5	9.8	13.18	135	21	25.4
08/31/96	16.9	8.4	12.03	576	105	0.4
09/01/96	14.4	5.9	11.20	388	85	0.0
09/02/96	17.7	2.1	10.61	500	130	0.0
09/03/96	15.0	3.7	11.05	312	74	0.0
09/04/96	15.0	0.4	7.65	471	110	0.0
09/05/96	12.2	1.3	6.65	300	67	2.0
09/06/96	12.8	4.3	7.72	441	69	2.6
09/07/96	9.2	4.8	6.70	194	49	2.0
09/08/96	13.9	5.9	9.01	394	68	0.2
09/09/96	15.0	3.5	9.77	429	87	0.0
09/10/96	19.1	1.8	9.63	459	110	0.0
09/11/96	22.4	5.1	12.79	465	117	0.0
09/12/96	17.5	6.7	10.80	341	61	0.0
09/13/96	12.8	6.2	9.08	141	23	11.4
09/14/96	12.2	5.6	9.01	359	39	3.8
09/15/96	12.5	4.5	7.49	429	72	1.4
09/16/96	15.5	1.8	7.28	488	114	0.0
09/17/96	16.9	-0.1	7.31	453	109	0.0
09/18/96	13.6	5.6	8.63	412	43	3.8
09/19/96	12.2	2.1	6.59	459	101	0.0
09/20/96	9.8	-2.0	3.52	535	77	0.2
09/21/96	5.9	-2.6	1.10	271	44	0.0
09/22/96	10.9	-3.4	2.17	435	109	0.0
09/23/96	12.0	-3.4	3.09	406	100	0.0
09/24/96	12.0	-1.2	4.06	329	77	0.0
09/25/96	10.3	2.6	6.25	376	39	0.0
09/26/96	21.0	5.4	11.87	459	74	0.0
09/27/96	13.9	7.0	10.49	124	29	0.0
09/28/96	12.8	6.2		400		

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/24/90	8.9			9.6					
08/25/90	8.7	7.0	7.93	9.8	7.5	8.56			
08/26/90	8.5	6.4	7.64	9.6	6.9	8.21			
08/27/90	9.3	7.4	8.34	9.8	7.7	8.77			
08/28/90	10.5	8.5	9.32	11.3	9.2	10.07			
08/29/90	9.7	8.1	9.05	10.8	9.0	9.93			
08/30/90	9.9	8.9	9.45	10.8	9.8	10.21			
08/31/90	9.7	8.9	9.27	11.3	9.6	10.17			
09/01/90	8.9	7.8	8.39	9.8	8.4	9.07			
09/02/90	8.3	6.6	7.54	9.0	7.1	8.09			
09/03/90	8.7	6.8	7.65	9.6	6.7	7.97			
09/04/90	8.3	6.8	7.70	8.8	7.1	7.98			
09/05/90	8.7	7.2	7.94	9.8	7.5	8.45			
09/06/90	8.5	6.6	7.67	9.6	7.3	8.26			
09/07/90	8.9	7.8	8.33	9.2	8.1	8.64			
09/08/90	8.9	7.6	8.32	9.6	7.7	8.63			
09/09/90	9.1	7.6	8.29	10.2	7.7	8.69			
09/10/90	9.1	7.4	8.33	10.4	7.7	8.93			
09/11/90	8.9	7.6	8.41	9.8	8.1	8.98			
09/12/90	9.1	7.8	8.31	10.2	8.1	8.89			
09/13/90	9.3	7.8	8.48	10.0	7.9	8.77			
09/14/90	9.1	7.6	8.31	10.0	7.7	8.70			
09/15/90	8.9	7.2	8.16	10.0	7.7	8.72			
09/16/90	9.3	7.6	8.42	10.2	8.1	8.98			
09/17/90	8.0	6.4	7.37	8.4	6.7	7.70			
09/18/90	8.5	7.4	7.81	9.2	7.7	8.19			
09/19/90	8.1	6.8	7.37	9.0	6.9	7.68			
09/20/90	8.0	7.0	7.51	8.3	7.1	7.68			
09/21/90	8.9	7.4	8.09	9.6	7.5	8.32			
09/22/90	9.1	7.2	8.11	10.0	7.5	8.56			
09/23/90	9.5	7.8	8.50	10.2	8.1	8.93			
09/24/90	9.7	8.0	8.47	10.4	8.4	9.08			
09/25/90	8.7	6.8	7.78	9.4	7.1	8.14			
09/26/90	7.4	5.7	6.47	7.9	5.8	6.63			
09/27/90	6.4	4.6	5.63	6.7	4.7	5.82			
09/28/90	7.8	5.9	6.57	7.9	6.0	6.73			
09/29/90	6.6	5.2	5.90	6.7	4.7	5.87			
09/30/90	6.1	4.8	5.48	6.2	4.7	5.45			
10/01/90	5.3	4.8	5.04	5.5	4.7	5.16			
10/02/90	5.7	4.3	4.90	5.6	3.9	4.73			
10/03/90	4.6	3.6	4.06	4.6	3.2	3.86			
10/04/90	4.3	3.4	3.86	4.0	3.3	3.73			
10/05/90	3.6	2.7	3.24	3.7	2.7	3.16			
10/06/90	3.6	2.2	2.82	3.3	2.0	2.69			
10/07/90	4.1	2.7	3.38	4.0	2.5	3.33			
10/08/90	5.0	3.6	4.23	5.1	3.3	4.12			
10/09/90	4.8	3.7	4.38	4.9	3.5	4.25			
10/10/90	3.9	3.0	3.48	3.9	2.8	3.30			
10/11/90	3.0	0.7	1.84	2.8	0.5	1.59			
10/12/90	2.7	1.3	1.97	2.7	1.3	1.84			
10/13/90	2.9	1.8	2.27	2.8	1.6	2.13			
10/14/90	2.0	1.3	1.65	2.0	1.0	1.39			
10/15/90	2.2	1.0	1.59	2.1	0.8	1.39			
10/16/90	2.0	1.0	1.57	1.8	0.6	1.27			
10/17/90	1.2	0.0	0.76	1.1	0.0	0.58			
10/18/90	1.7	0.7	1.06	1.8	0.5	0.94			
10/19/90	1.3	0.3	0.75	1.1	0.0	0.67			
10/20/90	1.3	0.3	0.70	1.3	0.2	0.66			
10/21/90	1.1	0.1	0.50	1.1	0.2	0.56			
10/22/90	1.4	0.4	0.85	1.5	0.5	0.94			

data starts October 1991

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
10/23/90	1.3	0.8	1.10	1.3	1.0	1.14			
10/24/90	1.9	1.3	1.55	1.5	1.1	1.39			
10/25/90	1.9	1.1	1.47	1.8	1.0	1.32			
10/26/90	1.8	0.9	1.31	1.8	0.8	1.29			
10/27/90	1.9	0.9	1.55	2.1	1.0	1.65			
10/28/90	1.6	0.9	1.18	1.6	0.8	1.15			
10/29/90	1.1	0.3	0.80	1.1	0.3	0.80			
10/30/90	1.4	0.4	1.05	1.6	0.6	1.20			
10/31/90	1.3	0.4	0.97	1.3	0.3	0.95			
11/01/90	0.6	0.0	0.28	0.3	0.2	0.23			
11/02/90	0.4	0.0	0.20	0.5	0.2	0.30			
11/03/90	0.3	0.0	0.15	0.5	0.2	0.26			
11/04/90	0.6	0.3	0.42	0.6	0.3	0.53			
11/05/90	0.3	0.0	0.06	0.2	0.2	0.20			
11/06/90	0.1	0.0	0.02	0.2	0.2	0.20			
11/07/90	0.1	0.0	0.01	0.2	0.2	0.20			
11/08/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/09/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/10/90	0.1	0.0	0.03	0.2	0.2	0.20			
11/11/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/12/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/13/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/14/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/15/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/16/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/17/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/18/90	0.1	0.0	0.06	0.2	0.2	0.20			
11/19/90	0.3	0.0	0.08	0.2	0.2	0.20			
11/20/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/21/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/22/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/23/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/24/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/25/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/26/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/27/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/28/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/29/90	0.0	0.0	0.00	0.2	0.2	0.20			
11/30/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/01/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/02/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/03/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/04/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/05/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/06/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/07/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/08/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/09/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/10/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/11/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/12/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/13/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/14/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/15/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/16/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/17/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/18/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/19/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/20/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/21/90	0.0	0.0	0.00	0.2	0.2	0.20			

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
12/22/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/23/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/24/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/25/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/26/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/27/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/28/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/29/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/30/90	0.0	0.0	0.00	0.2	0.2	0.20			
12/31/90	0.0	0.0	0.00	0.2	0.2	0.20			
01/01/91	0.0	0.0	0.00	0.2	0.0	0.06			
01/02/91	0.0	0.0	0.00	0.0	0.0	0.00			
01/03/91	0.0	0.0	0.00	0.0	-0.2	-0.14			
01/04/91	0.0	0.0	0.00	-0.3	-0.5	-0.41 *			
01/05/91	0.0	0.0	0.00	-0.5	-0.8	-0.70 *			
01/06/91	0.0	0.0	0.00	-0.8	-1.1	-0.99 *			
01/07/91	0.0	0.0	0.00	-1.1	-1.3	-1.25 *			
01/08/91	0.0	0.0	0.00	-1.3	-1.6	-1.47 *			
01/09/91	0.0	0.0	0.00	-1.4	-1.6	-1.50 *			
01/10/91	0.0	0.0	0.00	-1.3	-1.4	-1.31 *			
01/11/91	0.0	0.0	0.00	-1.1	-1.3	-1.29 *			
01/12/91	0.0	0.0	0.00	-0.8	-1.1	-0.98 *			
01/13/91	0.0	0.0	0.00	-0.5	-0.8	-0.63 *			
01/14/91	0.0	0.0	0.00	-0.3	-0.5	-0.36 *			
01/15/91	0.0	0.0	0.00	-0.3	-0.3	-0.30 *			
01/16/91	0.0	0.0	0.00	-0.3	-0.3	-0.30 *			
01/17/91	0.0	0.0	0.00	-0.2	-0.3	-0.20 *			
01/18/91	0.0	0.0	0.00	0.0	0.0	0.00			
01/19/91	0.0	0.0	0.00	0.0	0.0	0.00			
01/20/91	0.0	0.0	0.00	0.0	0.0	0.00			
01/21/91	0.0	0.0	0.00	0.0	-0.5	-0.31 *			
01/22/91	0.0	0.0	0.00	-0.5	-0.7	-0.60 *			
01/23/91	0.0	0.0	0.00	-0.7	-0.8	-0.75 *			
01/24/91	0.0	0.0	0.00	-0.7	-0.8	-0.77 *			
01/25/91	0.0	0.0	0.00	-0.8	-1.0	-0.88 *			
01/26/91	0.0	0.0	0.00	-1.0	-1.1	-1.02 *			
01/27/91	0.0	0.0	0.00	-1.0	-1.1	-1.10 *			
01/28/91	0.0	0.0	0.00	-1.1	-1.3	-1.19 *			
01/29/91	0.0	0.0	0.00	-1.3	-1.6	-1.41 *			
01/30/91	0.0	0.0	0.00	-1.1	-1.4	-1.29 *			
01/31/91	0.0	0.0	0.00	-0.7	-1.1	-0.85 *			
02/01/91	0.0	0.0	0.00	-0.3	-0.7	-0.44 *			
02/02/91	0.0	0.0	0.00	-0.2	-0.3	-0.23 *			
02/03/91	0.0	0.0	0.00	0.0	-0.2	-0.11			
02/04/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/05/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/06/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/07/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/08/91	0.0	0.0	0.00	0.0	-0.5	-0.26 *			
02/09/91	0.0	0.0	0.00	-0.5	-0.5	-0.50 *			
02/10/91	0.0	0.0	0.00	-0.3	-0.5	-0.42 *			
02/11/91	0.0	0.0	0.00	-0.2	-0.3	-0.23 *			
02/12/91	0.0	0.0	0.00	0.0	-0.2	-0.17			
02/13/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/14/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/15/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/16/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/17/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/18/91	0.0	0.0	0.00	0.0	0.0	0.00			
02/19/91				0.0	0.0	0.00			

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
02/20/91		0.0	0.00						
02/21/91		0.0	-0.2	-0.15					
02/22/91		-0.2	-0.2	-0.20 *					
02/23/91		-0.2	-0.3	-0.29 *					
02/24/91		-0.2	-0.3	-0.30 *					
02/25/91		-0.2	-0.2	-0.20 *					
02/26/91		-0.2	-0.2	-0.20 *					
02/27/91		-0.2	-0.3	-0.20 *					
02/28/91		-0.2	-0.7	-0.43 *					
03/01/91		-0.7	-1.4	-1.06 *					
03/02/91		-1.4	-1.9	-1.74 *					
03/03/91		-1.9	-2.1	-2.04 *					
03/04/91		-2.1	-2.4	-2.30 *					
03/05/91		-2.2	-2.6	-2.47 *					
03/06/91		-1.6	-2.2	-2.03 *					
03/07/91		-1.0	-1.6	-1.27 *					
03/08/91		-0.7	-1.0	-0.78 *					
03/09/91		-0.5	-0.7	-0.69 *					
03/10/91		-0.5	-1.0	-0.76 *					
03/11/91		-1.0	-1.3	-1.18 *					
03/12/91		-1.3	-1.8	-1.55 *					
03/13/91		-1.4	-1.6	-1.56 *					
03/14/91		-1.0	-1.3	-1.15 *					
03/15/91		-1.0	-1.1	-1.05 *					
03/16/91		-1.0	-1.1	-1.03 *					
03/17/91		-0.7	-1.0	-0.87 *					
03/18/91		-0.5	-0.7	-0.68 *					
03/19/91		-0.3	-0.5	-0.35 *					
03/20/91		-0.2	-0.3	-0.26 *					
03/21/91		-0.2	-0.2	-0.20 *					
03/22/91		-0.2	-0.3	-0.26 *					
03/23/91		-0.3	-0.8	-0.61 *					
03/24/91		-0.7	-1.1	-0.90 *					
03/25/91		-0.8	-1.1	-0.92 *					
03/26/91		-0.8	-1.1	-0.96 *					
03/27/91		-0.5	-0.8	-0.77 *					
03/28/91		-0.3	-0.5	-0.43 *					
03/29/91		-0.2	-0.3	-0.23 *					
03/30/91		-0.2	-0.2	-0.20 *					
03/31/91		0.0	-0.2	-0.11					
04/01/91		0.0	0.0	0.00					
04/02/91		0.0	0.0	0.00					
04/03/91		0.0	0.0	0.00					
04/04/91		0.0	0.0	0.00					
04/05/91		0.0	0.0	0.00					
04/06/91		0.0	0.0	0.00					
04/07/91		0.0	0.0	0.00					
04/08/91		0.0	-0.2	-0.04					
04/09/91		0.0	-0.2	-0.05					
04/10/91		0.0	-0.2	-0.14					
04/11/91		-0.2	-0.2	-0.20					
04/12/91		0.0	-0.2	-0.06					
04/13/91		0.0	0.0	0.00					
04/14/91		0.0	0.0	0.00					
04/15/91		0.0	0.0	0.00					
04/16/91		0.0	0.0	0.00					
04/17/91		0.0	0.0	0.00					
04/18/91		0.0	0.0	0.00					
04/19/91		0.0	0.0	0.00					
04/20/91		0.0	0.0	0.00					

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
04/21/91				0.2	0.0	0.01			
04/22/91				1.5	0.0	0.43			
04/23/91				2.5	0.2	1.00			
04/24/91				1.3	0.5	0.86			
04/25/91				2.0	0.6	1.05			
04/26/91				2.1	0.6	1.29			
04/27/91				2.7	0.3	1.37			
04/28/91				2.8	0.3	1.43			
04/29/91				4.0	0.8	1.97			
04/30/91				4.2	0.6	2.09			
05/01/91				4.2	0.8	2.18			
05/02/91				4.2	1.0	2.22			
05/03/91				4.0	1.0	2.19			
05/04/91				4.2	1.3	2.47			
05/05/91				3.9	1.3	2.38			
05/06/91				3.2	1.6	2.25			
05/07/91				4.0	1.5	2.51			
05/08/91				3.2	2.1	2.67			
05/09/91				4.7	1.8	3.01			
05/10/91				4.0	1.8	2.88			
05/11/91				4.2	2.1	3.00			
05/12/91				3.3	2.0	2.74			
05/13/91				4.7	2.3	3.23			
05/14/91				4.7	2.0	3.21			
05/15/91				4.7	2.3	3.50			
05/16/91				4.4	2.5	3.52			
05/17/91				5.6	2.7	3.93			
05/18/91				5.5	2.8	3.96			
05/19/91				5.3	2.7	3.80			
05/20/91				4.7	2.7	3.58			
05/21/91				4.4	2.3	3.36			
05/22/91				3.7	2.8	3.27			
05/23/91				4.2	2.8	3.53			
05/24/91				4.4	2.5	3.46			
05/25/91				5.5	3.2	4.29			
05/26/91				5.6	3.7	4.61			
05/27/91				5.6	3.5	4.55			
05/28/91				5.6	3.5	4.61			
05/29/91				5.1	3.5	4.40			
05/30/91				5.5	3.5	4.54			
05/31/91				4.7	3.7	4.26			
06/01/91				4.0	3.0	3.60			
06/02/91				4.6	2.5	3.54			
06/03/91				4.2	3.7	3.95			
06/04/91				5.1	3.5	4.29			
06/05/91				6.2	3.7	5.01			
06/06/91				7.1	4.6	5.87			
06/07/91				6.6	5.6	6.01			
06/08/91				5.6	4.4	4.95			
06/09/91				5.6	4.6	5.02			
06/10/91				6.4	5.1	5.66			
06/11/91				5.6	4.6	5.11			
06/12/91				6.2	4.4	5.22			
06/13/91						5.42			
06/14/91						5.53			
06/15/91						5.62			
06/16/91	7.0					5.75			
06/17/91	7.6	5.4	6.41			5.97			
06/18/91	7.4	5.7	6.67			6.43			
06/19/91	8.2	5.9	7.11			6.82			

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
06/20/91	8.3	6.5	7.43			7.04			
06/21/91	8.5	6.8	7.75			7.22			
06/22/91	8.5	7.0	7.97			7.45			
06/23/91	8.5	7.2	7.89			7.52			
06/24/91	9.3	7.2	8.36			8.02			
06/25/91	9.5	8.2	8.80			8.57			
06/26/91	9.7	8.2	8.98			8.75			
06/27/91	9.7	8.2	8.94			8.93			
06/28/91	9.3	8.3	8.89			8.90			
06/29/91	9.7	8.2	8.93			9.03			
06/30/91	9.5	8.2	8.90			8.87			
07/01/91	8.9	8.0	8.53			8.65			
07/02/91	9.5	8.0	8.72			8.75			
07/03/91	9.7	8.0	8.88			8.92			
07/04/91	9.1	8.0	8.63			8.75			
07/05/91	8.3	7.4	7.90			8.05			
07/06/91	8.5	7.2	7.92			8.03			
07/07/91	10.1	7.6	8.79			8.78			
07/08/91	10.5	8.0	9.31			9.52			
07/09/91	10.1	8.3	9.34			9.64			
07/10/91	9.9	8.3	9.23			9.63			
07/11/91	10.1	8.5	9.42			9.79			
07/12/91	10.1	9.1	9.68			10.15			
07/13/91	9.7	9.1	9.38			9.87			
07/14/91	10.1	8.3	9.27			9.45			
07/15/91	9.7	8.5	9.18			9.51			
07/16/91	10.3	8.5	9.43			9.69			
07/17/91	10.1	9.1	9.57			9.91			
07/18/91	10.3	8.5	9.48			9.73			
07/19/91	9.5	8.2	8.91	10.0	8.4	9.23			
07/20/91	9.1	7.2	8.29	9.8	6.9	8.26			
07/21/91	9.5	6.8	8.29	10.0	7.1	8.50			
07/22/91	10.5	8.0	9.15	11.7	8.3	9.79			
07/23/91	11.8	8.5	10.09	13.6	9.0	10.98			
07/24/91	12.0	9.3	10.77	13.9	10.0	11.74			
07/25/91	11.6	10.5	10.92	12.3	11.5	11.83			
07/26/91	11.4	9.7	10.41	12.1	10.4	11.20			
07/27/91	10.7	8.9	9.85	11.5	9.2	10.43			
07/28/91	10.3	8.7	9.50	11.3	9.2	10.08			
07/29/91	10.5	8.5	9.48	11.5	9.0	9.99			
07/30/91	10.7	8.3	9.48	12.1	8.4	9.89			
07/31/91	10.7	8.1	9.38	12.1	8.1	9.79			
08/01/91	11.4	8.5	9.86	12.7	8.6	10.40			
08/02/91	10.7	9.1	9.96	11.5	9.4	10.45			
08/03/91	12.0	9.7	10.62	12.5	10.0	11.12			
08/04/91	11.2	10.3	10.88	12.1	10.8	11.53			
08/05/91	11.2	9.3	10.24	12.7	9.6	10.86			
08/06/91	10.7	8.3	9.66	12.1	8.3	10.12			
08/07/91	11.4	9.5	10.42	12.7	9.8	11.08			
08/08/91	12.2	10.3	11.13	13.6	10.8	11.94			
08/09/91	11.4	9.9	10.81	12.5	10.2	11.46			
08/10/91	11.8	9.5	10.53	13.4	9.4	11.05			
08/11/91	12.0	9.5	10.65	13.6	9.6	11.23			
08/12/91	11.8	10.1	10.98	12.7	10.2	11.51			
08/13/91	12.7	10.3	11.48	14.5	10.4	12.20			
08/14/91	13.1	11.0	12.08	15.5	11.3	13.19			
08/15/91	13.6	11.6	12.46	16.2	11.9	13.57			
08/16/91	13.3	11.4	12.33	15.9	11.5	13.19			
08/17/91	13.6	11.4	12.50	15.9	11.5	13.33			
08/18/91	13.6	12.0	12.82	15.0	12.3	13.50			

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/19/91	12.7	12.0	12.24	13.4	12.3	12.69			
08/20/91	12.7	11.4	12.00	13.9	11.5	12.36			
08/21/91	12.0	10.7	11.38	12.7	10.6	11.63			
08/22/91	11.6	9.9	10.86	12.3	9.2	10.78			
08/23/91	11.2	9.9	10.60	12.3	9.8	10.72			
08/24/91	10.7	9.5	10.18	12.3	9.0	10.29			
08/25/91	9.9	9.1	9.55	10.0	8.4	9.38			
08/26/91	10.3	9.1	9.78	10.4	9.0	9.75			
08/27/91	9.9	9.3	9.63	10.2	8.8	9.48			
08/28/91	9.3	8.5	8.94	9.6	8.3	8.92			
08/29/91	8.7	8.1	8.43	8.4	7.9	8.20			
08/30/91	8.9	8.0	8.49	9.6	7.7	8.55			
08/31/91	8.5	7.6	8.12	9.2	7.5	8.33			
09/01/91	8.1	7.2	7.77	8.4	6.6	7.54			
09/02/91	8.0	6.8	7.48	8.6	6.0	7.31			
09/03/91	8.5	7.4	7.93	9.2	7.1	8.13			
09/04/91	9.3	8.1	8.70	10.6	8.4	9.31			
09/05/91	9.3	8.3	8.93	10.8	8.6	9.58			
09/06/91	9.3	8.7	8.97	10.4	8.8	9.46			
09/07/91	8.7	7.8	8.28	9.8	7.7	8.57			
09/08/91	8.1	7.2	7.80	9.4	6.7	7.85			
09/09/91	8.1	7.2	7.65	8.6	6.9	7.75			
09/10/91	8.5	7.6	8.03	9.4	7.1	8.18			
09/11/91	8.9	8.1	8.46	10.0	8.1	8.95			
09/12/91	8.9	8.3	8.59	9.4	8.4	8.84			
09/13/91	8.7	8.1	8.33	8.8	7.9	8.35			
09/14/91	8.1	7.4	7.95	8.4	6.9	7.80			
09/15/91	8.0	7.8	7.89	8.3	7.5	7.82			
09/16/91	8.0	7.2	7.63	8.6	6.7	7.58			
09/17/91	8.0	7.0	7.57	8.6	6.7	7.67			
09/18/91	8.1	7.4	7.85	9.0	7.5	8.23			
09/19/91	8.1	7.6	7.86	8.8	7.7	8.20			
09/20/91	7.6	6.8	7.17	8.1	6.7	7.25			
09/21/91	6.8	6.3	6.61	7.5	5.8	6.55			
09/22/91	6.8	6.4	6.56	7.1	6.2	6.58			
09/23/91	7.2	6.3	6.72	7.7	6.0	6.80			
09/24/91	8.1	7.2	7.72	9.4	7.5	8.13			
09/25/91	8.0	7.4	7.66	9.0	7.1	8.01			
09/26/91	7.6	6.8	7.23	8.6	6.7	7.60			
09/27/91	8.1	7.4	7.70	9.0	7.7	8.24			
09/28/91	8.0	7.0	7.46	8.4	6.7	7.62			
09/29/91	6.8	5.9	6.23	6.6	5.1	5.87			
09/30/91	6.4	5.9	6.10	6.9	5.5	6.05			
10/01/91	6.4	6.1	6.25	6.7	5.6	6.08			
10/02/91	6.1	5.3	5.71	6.2	4.6	5.31			
10/03/91	5.7	5.2	5.47	5.6	4.6	5.12			
10/04/91	5.3	5.0	5.17	5.3	3.9	4.66			
10/05/91	5.5	5.2	5.35	6.0	4.7	5.30			
10/06/91	5.7	5.2	5.37	6.2	4.7	5.39			
10/07/91	5.5	5.2	5.33	5.3	4.4	4.90			
10/08/91	5.0	4.3	4.54	4.6	3.2	3.70			
10/09/91	5.0	4.1	4.49	5.3	3.2	4.11			
10/10/91	6.3	5.0	5.72	6.9	5.3	6.21	6.7		
10/11/91	6.9	6.0	6.42	7.5	6.3	6.88	7.1	6.1	6.67
10/12/91	6.7	5.0	5.80	7.1	4.9	5.95	6.7	5.4	6.12
10/13/91	4.9	4.3	4.69	4.9	4.3	4.68	5.4	4.7	4.96
10/14/91	6.3	4.9	5.54	6.7	4.9	5.79	6.5	5.0	5.85
10/15/91	6.1	4.3	5.39	6.7	4.1	5.54	6.5	4.7	5.85
10/16/91	4.1	2.7	3.37	4.0	2.4	3.11	4.5	3.1	3.68
10/17/91	2.6	1.4	2.02	2.2	0.9	1.59	2.9	1.7	2.23

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
10/18/91	2.9	1.7	2.39	2.7	1.5	2.11	2.7	1.7	2.27
10/19/91	3.4	2.7	3.05	3.8	2.6	3.08	3.8	2.6	3.10
10/20/91	4.1	3.4	3.84	4.5	3.8	4.12	4.1	3.3	3.79
10/21/91	3.8	2.1	3.25	4.0	1.9	3.16	4.0	2.4	3.45
10/22/91	2.1	0.4	0.95	1.7	0.2	0.74	2.2	0.7	1.25
10/23/91	1.0	0.4	0.73	0.9	0.2	0.58	1.2	0.5	0.83
10/24/91	0.9	0.5	0.78	0.9	0.4	0.62	1.2	0.7	0.90
10/25/91	0.7	0.4	0.55	0.7	0.2	0.48	1.0	0.5	0.77
10/26/91	0.4	-0.1	0.03	0.2	0.0	0.13	0.7	0.2	0.43
10/27/91	0.0	-0.1	-0.08	0.2	0.0	0.05	0.5	0.0	0.24
10/28/91	0.0	-0.1	-0.10	0.2	0.0	0.14	0.4	0.2	0.23
10/29/91	0.0	-0.1	-0.04	0.0	0.0	0.00	0.4	0.2	0.28
10/30/91	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.30
10/31/91	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.0	0.34
11/01/91	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
11/02/91	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.19
11/03/91	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
11/04/91	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.2	0.50
11/05/91	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.4	0.59
11/06/91	0.0	0.0	0.00	0.2	0.0	0.02	0.9	0.5	0.77
11/07/91	0.2	0.0	0.05	0.3	0.0	0.18	0.9	0.2	0.65
11/08/91	0.4	0.2	0.25	0.8	0.3	0.67	0.9	0.5	0.78
11/09/91	0.4	0.4	0.40	1.0	0.8	0.92	0.9	0.7	0.88
11/10/91	0.9	0.4	0.60	1.2	0.8	1.07	1.0	0.7	0.88
11/11/91	0.7	0.2	0.54	1.0	0.2	0.78	1.0	0.4	0.77
11/12/91	0.9	0.2	0.67	1.2	0.3	0.86	0.9	0.5	0.68
11/13/91	1.0	0.7	0.84	1.2	0.8	1.03	1.0	0.7	0.80
11/14/91	0.9	0.5	0.68	1.0	0.5	0.78	0.9	0.4	0.63
11/15/91	1.0	0.7	0.88	1.3	0.8	1.06	1.2	0.7	0.94
11/16/91	0.9	0.0	0.47	1.0	0.0	0.57	0.7	0.0	0.47
11/17/91	1.0	0.5	0.83	1.3	0.8	1.16	1.2	0.7	0.97
11/18/91	1.2	0.9	1.01	1.2	1.0	1.16	1.2	0.7	0.96
11/19/91	0.9	0.0	0.41	1.0	0.0	0.58	0.9	0.0	0.54
11/20/91	0.5	0.2	0.44	0.7	0.3	0.63	0.7	0.4	0.53
11/21/91	0.2	0.0	0.01	0.2	0.0	0.06	0.4	0.0	0.20
11/22/91	0.0	0.0	0.00	0.3	0.0	0.06	0.5	0.0	0.29
11/23/91	0.2	0.0	0.04	0.7	0.0	0.47	0.7	0.2	0.52
11/24/91	0.4	0.0	0.19	0.8	0.2	0.63	0.9	0.0	0.56
11/25/91	0.5	0.0	0.33	1.0	0.3	0.73	0.9	0.4	0.62
11/26/91	0.0	0.0	0.00	0.3	0.0	0.17	0.4	0.0	0.28
11/27/91	0.0	0.0	0.00	0.3	0.0	0.24	0.4	0.2	0.33
11/28/91	0.2	0.0	0.04	0.5	0.2	0.33	0.5	0.2	0.39
11/29/91	0.0	0.0	0.00	0.3	0.0	0.15	0.4	0.0	0.17
11/30/91	0.2	0.0	0.08	0.7	0.3	0.43	0.5	0.4	0.45
12/01/91	0.5	0.2	0.34	1.0	0.5	0.80	0.9	0.5	0.69
12/02/91	0.5	0.2	0.32	0.8	0.5	0.70	0.7	0.4	0.49
12/03/91	0.5	0.2	0.43	1.0	0.7	0.82	0.9	0.5	0.77
12/04/91	0.7	0.4	0.52	1.0	0.8	0.89	0.9	0.7	0.83
12/05/91	0.7	0.2	0.43	0.8	0.5	0.72	0.9	0.4	0.66
12/06/91	0.5	0.4	0.48	0.8	0.7	0.80	0.7	0.7	0.70
12/07/91	0.5	0.2	0.43	0.8	0.5	0.72	0.9	0.5	0.70
12/08/91	0.2	0.0	0.08	0.5	0.2	0.37	0.5	0.2	0.42
12/09/91	0.2	0.0	0.13	0.7	0.3	0.49	0.7	0.4	0.54
12/10/91	0.2	0.0	0.02	0.5	0.0	0.30	0.5	0.4	0.45
12/11/91	0.0	0.0	0.00	0.3	0.0	0.10	0.5	0.0	0.22
12/12/91	0.0	0.0	0.00	0.2	0.0	0.02	0.2	0.0	0.14
12/13/91	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/14/91	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
12/15/91	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.41
12/16/91	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.12

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
12/17/91	0.0	0.0	0.00	0.2	0.0	0.10	0.4	0.2	0.33
12/18/91	0.0	0.0	0.00	0.3	0.2	0.25	0.5	0.4	0.42
12/19/91	0.0	0.0	0.00	0.3	0.0	0.03	0.4	0.0	0.20
12/20/91	0.0	0.0	0.00	0.3	0.0	0.04	0.5	0.0	0.17
12/21/91	0.0	0.0	0.00	0.7	0.3	0.47	0.7	0.4	0.53
12/22/91	0.0	0.0	0.00	0.8	0.3	0.56	0.7	0.4	0.58
12/23/91	0.2	0.0	0.10	0.7	0.3	0.49	0.7	0.4	0.48
12/24/91	0.4	0.0	0.16	0.8	0.3	0.55	0.9	0.5	0.59
12/25/91	0.2	0.0	0.08	0.5	0.0	0.31	0.5	0.0	0.30
12/26/91	0.4	0.2	0.33	0.8	0.3	0.65	0.7	0.4	0.57
12/27/91	0.4	0.2	0.38	0.8	0.7	0.78	0.7	0.5	0.69
12/28/91	0.7	0.4	0.48	1.0	0.8	0.95	1.0	0.7	0.86
12/29/91	0.7	0.5	0.55	1.0	0.8	0.92	0.9	0.7	0.81
12/30/91	0.7	0.5	0.64	1.2	0.8	1.03	1.0	0.7	0.88
12/31/91	0.7	0.2	0.50	1.0	0.3	0.78	0.9	0.5	0.73
01/01/92	0.7	0.5	0.54	1.0	0.8	0.90	0.9	0.7	0.80
01/02/92	0.5	0.2	0.38	0.8	0.3	0.58	0.9	0.2	0.55
01/03/92	0.0	0.0	0.00	0.3	0.0	0.05	0.2	0.0	0.09
01/04/92	0.0	0.0	0.00	0.2	0.0	0.03	0.2	0.0	0.13
01/05/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
01/06/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/07/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/08/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/09/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/10/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.12
01/11/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
01/12/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
01/13/92	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.28
01/14/92	0.0	0.0	0.00	0.3	0.0	0.18	0.5	0.4	0.42
01/15/92	0.0	0.0	0.00	0.5	0.2	0.39	0.5	0.2	0.44
01/16/92	0.0	0.0	0.00	0.2	0.0	0.10	0.2	0.0	0.10
01/17/92	0.0	0.0	0.00	0.2	0.0	0.03	0.4	0.2	0.22
01/18/92	0.0	0.0	0.00	0.3	0.2	0.25	0.5	0.2	0.40
01/19/92	0.2	0.0	0.11	0.7	0.3	0.56	0.7	0.4	0.53
01/20/92	0.2	0.0	0.17	0.7	0.3	0.58	0.7	0.4	0.60
01/21/92	0.2	0.0	0.08	0.7	0.2	0.40	0.7	0.2	0.47
01/22/92	0.0	0.0	0.00	0.2	0.0	0.04	0.4	0.0	0.12
01/23/92	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.12
01/24/92	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.4	0.42
01/25/92	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.06
01/26/92	0.0	0.0	0.00	0.2	0.0	0.09	0.5	0.0	0.33
01/27/92	0.0	0.0	0.00	0.5	0.3	0.33	0.7	0.4	0.50
01/28/92	0.0	0.0	0.00	0.5	0.0	0.37	0.5	0.0	0.42
01/29/92	0.2	0.0	0.05	0.7	0.0	0.34	0.5	0.0	0.32
01/30/92	0.0	0.0	0.00	0.3	0.0	0.27	0.5	0.2	0.42
01/31/92	0.0	0.0	0.00	0.5	0.2	0.34	0.5	0.2	0.37
02/01/92	0.2	0.0	0.09	0.5	0.3	0.38	0.5	0.4	0.45
02/02/92	0.2	0.0	0.14	0.5	0.0	0.37	0.5	0.2	0.43
02/03/92	0.4	0.0	0.14	0.8	0.3	0.61	0.7	0.4	0.53
02/04/92	0.5	0.0	0.21	0.8	0.5	0.60	0.7	0.4	0.52
02/05/92	0.4	0.0	0.11	0.8	0.2	0.38	0.7	0.2	0.42
02/06/92	0.2	0.0	0.05	0.5	0.0	0.28	0.7	0.2	0.38
02/07/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
02/08/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
02/09/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
02/10/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/11/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/12/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04
02/13/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.11
02/14/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.16

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
02/15/92	0.0	0.0	0.00	0.2	0.0	0.02	0.5	0.2	0.36
02/16/92	0.0	0.0	0.00	0.2	0.0	0.13	0.5	0.2	0.42
02/17/92	0.0	0.0	0.00	0.2	0.0	0.15	0.4	0.2	0.32
02/18/92	0.0	0.0	0.00	0.2	0.0	0.04	0.4	0.0	0.09
02/19/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/20/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
02/21/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/22/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/23/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/24/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04
02/25/92	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
02/26/92	0.0	-0.1	-0.01	0.0	0.0	0.00	0.2	0.0	0.05
02/27/92	0.0	0.0	0.00	0.2	0.0	0.03	0.7	0.0	0.33
02/28/92	0.0	-0.1	-0.02	0.0	0.0	0.00	0.7	0.2	0.45
02/29/92	0.0	-0.1	-0.00	1.0	0.0	0.35	1.4	0.4	0.68
03/01/92	0.2	-0.1	0.00	0.8	0.0	0.28	0.9	0.0	0.37
03/02/92	0.0	0.0	0.00	0.4	0.0	0.12	0.4	0.0	0.18
03/03/92	0.0	0.0	0.00	0.5	0.0	0.13	0.5	0.0	0.28
03/04/92	0.0	0.0	0.00	1.2	0.3	0.68	1.0	0.4	0.64
03/05/92	0.0	0.0	0.00	1.2	0.2	0.64	1.2	0.2	0.60
03/06/92	0.2	0.0	0.06	1.5	0.7	0.92	1.4	0.5	0.78
03/07/92	0.4	0.0	0.17	1.3	0.3	0.71	1.4	0.2	0.68
03/08/92	0.7	0.0	0.31	1.6	0.5	0.92	1.5	0.5	0.83
03/09/92	0.7	0.2	0.36	1.4	0.8	1.00	1.9	0.5	0.95
03/10/92	0.9	0.2	0.40	1.5	0.7	1.00	1.7	0.5	0.89
03/11/92	0.9	0.2	0.50	2.0	0.8	1.15	1.7	0.5	0.93
03/12/92	0.7	0.4	0.48	1.7	0.8	1.16	1.4	0.7	0.98
03/13/92	0.7	0.2	0.36	2.2	0.7	1.06	1.5	0.5	0.90
03/14/92	0.9	0.2	0.40	1.7	0.8	1.16	1.5	0.7	0.93
03/15/92	0.7	0.2	0.44	1.8	0.8	1.16	1.7	0.5	0.94
03/16/92	0.9	0.0	0.41	1.9	0.5	1.00	1.7	0.4	0.80
03/17/92	0.9	0.4	0.59	1.7	0.7	1.13	1.4	0.5	0.87
03/18/92	0.9	0.2	0.60	1.8	0.5	1.04	1.7	0.4	0.91
03/19/92	1.2	0.5	0.75	1.7	0.7	1.12	1.9	0.5	1.04
03/20/92	1.2	0.5	0.75	1.7	0.7	1.14	1.7	0.7	1.08
03/21/92	1.2	0.4	0.74	2.0	0.5	1.13	2.1	0.5	1.10
03/22/92	1.2	0.5	0.76	2.0	0.7	1.15	1.7	0.5	1.02
03/23/92	1.0	0.2	0.56	1.7	0.3	0.87	1.9	0.2	0.90
03/24/92	0.7	-0.1	0.28	1.8	0.0	0.68	1.9	0.2	0.91
03/25/92	1.0	0.0	0.51	1.9	0.2	0.92	2.6	0.5	1.47
03/26/92	1.2	0.5	0.89	1.8	0.8	1.26	2.6	1.4	1.85
03/27/92	1.0	0.5	0.77	2.0	0.7	1.08	2.7	1.4	1.77
03/28/92	0.9	0.0	0.42	1.6	0.2	0.70	2.2	0.7	1.41
03/29/92	1.2	0.2	0.60	1.8	0.3	0.89	2.2	0.7	1.44
03/30/92	1.4	0.5	0.89	1.9	0.8	1.24	2.2	1.2	1.68
03/31/92	1.5	0.7	1.15	2.0	1.0	1.45	2.9	1.5	2.08
04/01/92	2.1	0.7	1.31	2.7	1.0	1.63	3.4	1.5	2.35
04/02/92	0.9	0.0	0.43	1.7	0.3	1.06	2.1	1.2	1.54
04/03/92	0.0	-0.1	-0.04	1.7	0.2	0.78	1.7	1.0	1.25
04/04/92	0.5	0.0	0.20	1.7	0.5	1.01	2.1	1.0	1.60
04/05/92	1.2	0.2	0.65	2.0	0.8	1.23	2.6	1.5	2.06
04/06/92	1.4	0.7	1.02	1.8	1.0	1.35	2.6	1.7	2.18
04/07/92	1.2	0.7	0.88	1.7	0.8	1.11	2.4	1.7	1.98
04/08/92	0.7	-0.1	0.32	1.5	0.0	0.60	2.1	1.2	1.62
04/09/92	0.5	-0.1	0.10	1.3	0.0	0.37	2.1	1.2	1.52
04/10/92	0.0	-0.1	-0.08	0.7	0.0	0.19	1.7	1.2	1.38
04/11/92	0.9	-0.1	0.18	1.5	0.0	0.45	2.2	1.2	1.60
04/12/92	1.2	-0.1	0.40	2.2	0.0	0.88	2.9	1.2	1.93
04/13/92	1.5	0.2	0.90	2.2	0.5	1.31	2.9	1.5	2.25
04/14/92	1.9	0.7	1.33	2.9	1.0	1.69	3.8	1.9	2.79

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
04/15/92	2.2	1.0	1.59	3.0	1.2	1.79	3.8	2.2	2.89
04/16/92	1.5	0.2	1.21	1.7	0.7	1.42	2.7	2.1	2.50
04/17/92	0.5	0.0	0.23	2.2	0.3	1.16	2.4	1.7	2.00
04/18/92	1.7	0.4	1.08	2.6	1.2	1.60	3.1	1.9	2.35
04/19/92	2.1	0.9	1.49	2.5	1.2	1.66	2.7	2.1	2.41
04/20/92	1.5	0.4	1.08	2.2	0.7	1.33	2.6	1.5	2.10
04/21/92	2.1	0.9	1.48	2.4	1.0	1.58	3.1	1.9	2.40
04/22/92	2.2	1.0	1.59	2.7	1.0	1.70	3.1	2.1	2.54
04/23/92	2.4	0.9	1.60	3.0	1.0	1.78	3.3	2.1	2.64
04/24/92	2.6	0.9	1.78	3.1	1.0	1.95	3.1	2.1	2.66
04/25/92	3.1	1.5	2.24	3.4	1.5	2.24	3.6	2.6	3.00
04/26/92	2.7	1.7	2.21	2.9	1.0	1.88	2.9	2.6	2.75
04/27/92	2.6	1.2	1.91	2.7	1.0	1.75	3.1	2.1	2.56
04/28/92	2.6	1.4	1.98	3.0	1.3	2.01	3.3	2.2	2.73
04/29/92	2.7	1.5	2.14	2.9	1.5	2.15	3.4	2.4	2.94
04/30/92	3.1	1.9	2.30	3.7	1.7	2.34	3.6	1.9	2.52
05/01/92	2.9	1.4	2.13	3.4	1.3	2.15	3.1	1.4	2.24
05/02/92	3.3	1.7	2.45	3.6	1.5	2.44	3.6	1.7	2.64
05/03/92	2.9	2.1	2.45	3.0	2.0	2.42	3.3	2.1	2.57
05/04/92	3.6	1.9	2.70	4.1	1.7	2.71	4.0	1.9	2.85
05/05/92	3.3	2.2	2.73	3.6	2.0	2.55	3.3	2.1	2.63
05/06/92	3.3	1.9	2.60	3.7	1.7	2.52	4.1	1.7	2.65
05/07/92	3.3	1.7	2.52	3.6	1.3	2.48	3.8	1.5	2.63
05/08/92	3.3	2.1	2.67	3.6	1.7	2.62	4.1	1.9	2.89
05/09/92	2.9	1.9	2.45	2.9	1.7	2.38	3.3	1.9	2.59
05/10/92	3.3	1.9	2.59	3.6	1.8	2.62	4.0	1.9	2.88
05/11/92	4.0	2.1	2.87	4.3	2.0	2.90	4.3	2.2	3.11
05/12/92	4.3	1.9	3.04	4.8	1.7	3.05	5.0	1.7	3.25
05/13/92	4.7	2.4	3.45	5.0	2.2	3.51	5.6	2.4	3.75
05/14/92	4.5	2.7	3.48	4.6	2.2	3.35	4.5	2.4	3.46
05/15/92	4.7	2.2	3.45	5.0	2.0	3.40	5.4	2.1	3.64
05/16/92	5.4	2.6	3.90	5.3	2.2	3.60	5.8	2.4	3.89
05/17/92	4.9	2.7	3.71	5.0	2.0	3.33	5.4	2.2	3.63
05/18/92	3.6	2.4	3.06	3.7	1.8	2.73	4.3	2.2	3.15
05/19/92	3.3	1.7	2.46	3.2	1.3	2.27	3.4	1.7	2.63
05/20/92	3.4	1.4	2.51	3.9	1.0	2.46	4.3	1.5	2.90
05/21/92	4.1	1.5	2.87	4.3	1.3	2.75	4.7	1.7	3.15
05/22/92	4.5	1.5	3.11	4.8	1.5	3.05	5.0	1.9	3.47
05/23/92	6.0	2.6	4.14	6.1	2.4	4.00	6.7	2.7	4.46
05/24/92	5.2	3.4	4.33	4.8	2.9	3.80	5.0	3.3	4.22
05/25/92	6.1	3.6	4.73	5.9	2.7	3.83	6.0	3.3	4.27
05/26/92	5.0	3.3	4.13	5.5	2.5	3.51	5.6	2.7	3.90
05/27/92	4.9	3.3	4.06	5.2	2.7	3.61	5.4	2.9	4.04
05/28/92	5.0	3.4	4.30	4.9	2.9	3.74	5.4	3.3	4.29
05/29/92	5.2	3.8	4.48	5.2	3.0	3.83	5.6	3.4	4.52
05/30/92	5.2	3.3	4.38	5.0	2.5	3.76	5.6	3.1	4.41
05/31/92	5.0	4.1	4.61	4.4	3.2	3.70	4.7	3.6	4.13
06/01/92	5.0	3.6	4.28	4.6	2.7	3.51	5.2	3.1	4.12
06/02/92	4.9	3.4	4.28	4.6	3.0	3.75	5.4	3.6	4.45
06/03/92	5.6	3.3	4.51	5.4	2.7	4.10	6.0	3.3	4.76
06/04/92	6.1	4.0	5.18	5.9	3.2	4.57	6.7	4.0	5.37
06/05/92	6.7	4.3	5.55	6.7	3.6	4.91	7.5	4.3	5.77
06/06/92	6.1	4.5	5.48	5.7	3.6	4.77	6.5	4.3	5.55
06/07/92	6.3	5.0	5.57	5.6	4.1	4.67	6.1	4.9	5.50
06/08/92	6.3	4.7	5.54	5.9	3.7	4.75	6.7	4.5	5.58
06/09/92	6.0	5.2	5.69	5.2	4.3	4.79	6.1	5.2	5.72
06/10/92	6.1	5.0	5.59	5.6	4.1	4.81	6.5	5.0	5.70
06/11/92	6.9	5.0	5.96	6.3	4.1	5.19	7.1	5.0	6.08
06/12/92	7.1	5.8	6.42	6.1	4.6	5.31	6.9	5.6	6.33
06/13/92	7.7	5.8	6.81	7.1	4.3	5.53	7.7	5.4	6.63

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
06/14/92	7.8	6.0	7.05	7.2	4.3	5.72	8.4	5.8	7.18
06/15/92	8.2	6.7	7.50	7.5	5.2	6.32	8.8	6.9	7.78
06/16/92	8.0	6.3	7.24	7.5	5.2	6.28	8.6	6.5	7.56
06/17/92	7.8	6.0	6.98	7.7	4.9	6.28	8.6	6.1	7.43
06/18/92	8.2	6.5	7.43	7.8	5.8	6.83	8.4	6.9	7.81
06/19/92	7.7	6.9	7.34	7.1	6.1	6.73	8.0	7.3	7.67
06/20/92	8.2	6.9	7.59	8.2	6.1	7.14	8.6	7.1	7.89
06/21/92	8.8	6.9	7.91	8.8	6.1	7.42	9.2	7.1	8.20
06/22/92	9.2	6.9	8.02	9.0	6.3	7.62	9.6	7.3	8.43
06/23/92	9.6	7.5	8.61	9.6	6.9	8.34	10.4	7.8	9.08
06/24/92	9.8	7.3	8.69	10.2	6.9	8.64	10.9	7.8	9.35
06/25/92	10.7	8.0	9.33	11.1	7.8	9.48	11.7	8.6	10.06
06/26/92	11.1	8.6	9.83	11.3	8.4	9.98	12.4	9.2	10.77
06/27/92	11.1	8.4	9.85	11.3	8.4	9.97	12.1	9.2	10.73
06/28/92	11.5	9.4	10.45	11.5	9.4	10.46	12.4	10.0	11.19
06/29/92	11.7	9.4	10.54	11.5	9.2	10.44	12.6	10.2	11.31
06/30/92	11.5	9.2	10.36	11.5	9.0	10.34	12.6	9.8	11.21
07/01/92	10.9	9.2	9.90	10.8	9.0	9.85	11.7	9.8	10.65
07/02/92	10.9	8.4	9.50	10.4	8.2	9.40	11.5	9.0	10.22
07/03/92	10.4	8.6	9.48	10.4	8.6	9.38	11.1	9.2	10.06
07/04/92	11.3	8.0	9.64	10.7	8.0	9.44	11.5	8.8	10.11
07/05/92	10.9	8.2	9.61	10.9	8.2	9.57	11.5	8.8	10.13
07/06/92	11.5	9.2	10.21	11.7	9.0	10.22	12.6	9.4	10.82
07/07/92	10.7	9.0	9.88	10.9	9.0	9.83	11.1	9.8	10.50
07/08/92	11.5	8.8	9.89	11.3	8.6	9.67	12.1	9.2	10.51
07/09/92	11.1	8.6	9.85	11.1	8.8	9.79	11.7	9.4	10.59
07/10/92	12.1	9.4	10.66	11.9	9.4	10.55	12.8	10.0	11.28
07/11/92	11.7	9.0	10.39	11.1	8.8	10.19	12.6	9.6	11.12
07/12/92	11.7	10.0	10.84	12.4	10.0	10.91	12.8	10.7	11.60
07/13/92	10.7	9.4	10.04	10.7	9.2	9.96	11.3	10.2	10.84
07/14/92	10.4	8.4	9.35	10.0	8.0	9.10	11.1	8.8	10.00
07/15/92	10.9	8.4	9.64	10.7	8.0	9.40	11.7	8.6	10.23
07/16/92	11.3	8.6	10.01	10.9	8.6	9.80	11.7	9.2	10.56
07/17/92	11.7	8.6	10.14	11.5	8.6	10.00	12.6	9.0	10.70
07/18/92	11.7	8.8	10.14	11.7	8.8	10.16	12.1	9.4	10.72
07/19/92	12.1	8.8	10.43	11.9	8.6	10.26	13.0	9.2	11.04
07/20/92	12.6	9.2	10.89	12.6	9.2	10.81	13.7	9.8	11.63
07/21/92	13.0	10.4	11.43	12.8	10.2	11.33	13.9	10.7	12.07
07/22/92	12.8	9.8	11.18	12.6	9.4	10.96	13.7	10.2	11.83
07/23/92	12.8	10.0	11.30	12.6	9.4	10.97	13.9	10.0	11.84
07/24/92	13.0	10.4	11.66	12.8	10.0	11.33	13.9	10.4	12.12
07/25/92	12.8	11.1	11.70	12.8	10.7	11.56	13.5	11.5	12.30
07/26/92	12.1	10.0	10.93	11.7	9.4	10.52	11.9	10.0	11.10
07/27/92	12.1	10.0	11.00	11.3	9.4	10.45	12.4	10.2	11.22
07/28/92	12.8	10.2	11.47	12.4	9.8	10.97	12.8	10.4	11.63
07/29/92	13.7	10.7	11.82	12.8	10.2	11.28	13.7	10.7	11.97
07/30/92	13.0	10.4	11.54	12.8	9.8	11.16	13.9	10.4	12.03
07/31/92	12.8	9.6	11.23	12.6	9.2	10.83	13.9	10.2	11.96
08/01/92	12.8	10.0	11.32	12.8	9.4	11.09	14.4	10.4	12.28
08/02/92	14.2	10.9	12.30	13.9	10.7	12.05	14.6	11.7	13.13
08/03/92	14.2	11.3	12.55	13.9	10.9	12.28	15.1	11.7	13.22
08/04/92	14.2	11.7	12.71	13.5	11.1	12.35	15.1	11.9	13.45
08/05/92	14.4	11.7	12.81	15.1	11.1	12.59	14.6	11.9	13.21
08/06/92	12.8	11.9	12.43	12.6	11.5	12.05	13.5	12.4	12.83
08/07/92	12.6	10.7	11.53	11.7	10.0	10.90	12.1	10.9	11.56
08/08/92	11.9	9.2	10.52	11.1	8.6	9.91	12.4	9.4	10.85
08/09/92	12.1	9.6	10.60	10.9	8.6	9.77	10.9	9.2	10.23
08/10/92	12.4	9.0	10.46	11.7	8.2	9.90	12.4	8.8	10.57
08/11/92	12.8	10.2	11.29	12.4	9.6	10.94	13.0	10.4	11.72
08/12/92	13.7	10.7	11.95	13.9	10.0	11.60	14.2	10.7	12.38

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/13/92	13.5	11.1	12.11	13.3	10.4	11.67	13.5	11.1	12.30
08/14/92	13.7	10.9	11.88	12.4	10.2	11.30	13.5	10.9	12.18
08/15/92	13.0	10.2	11.40	12.1	9.4	10.77	13.0	10.2	11.66
08/16/92	13.0	10.0	11.28	11.9	9.2	10.58	13.3	10.0	11.64
08/17/92	12.6	10.2	11.29	11.9	9.4	10.73	13.0	10.4	11.76
08/18/92	13.5	10.9	11.70	13.0	10.2	11.13	13.5	11.1	12.13
08/19/92	12.8	10.0	11.03	11.7	9.0	10.30	13.0	10.4	11.53
08/20/92	12.4	9.4	10.61	11.3	8.4	9.84	12.6	9.6	10.98
08/21/92	11.7	9.6	10.32	10.4	8.8	9.55	11.7	10.0	10.76
08/22/92	10.9	8.0	9.20	9.2	6.7	8.06	10.7	8.2	9.43
08/23/92	10.4	7.3	8.71	9.2	6.0	7.60	10.4	7.5	8.96
08/24/92	11.3	7.8	9.26	10.2	6.9	8.44	10.9	7.8	9.34
08/25/92	11.5	9.4	10.26	11.1	8.6	9.77	11.1	9.2	10.20
08/26/92	11.1	9.8	10.34	10.7	9.2	9.87	11.7	9.6	10.63
08/27/92	10.2	8.8	9.49	9.8	8.0	8.93	10.7	9.0	9.84
08/28/92	10.9	8.2	9.28	9.6	7.3	8.35	10.7	8.2	9.46
08/29/92	9.4	8.0	8.81	8.8	7.1	8.03	9.4	8.2	8.93
08/30/92	10.0	8.8	9.33	9.4	8.0	8.66	10.4	8.8	9.56
08/31/92	10.2	8.6	9.38	9.4	7.8	8.70	10.2	8.8	9.56
09/01/92	11.1	9.0	9.82	10.2	8.4	9.09	10.7	9.2	9.76
09/02/92	10.0	8.8	9.25	9.4	8.0	8.68	10.0	9.0	9.46
09/03/92	9.8	8.0	8.86	8.6	6.9	7.89	9.2	7.8	8.53
09/04/92	8.6	7.7	8.18	7.8	6.5	7.33	8.6	7.5	7.92
09/05/92	8.0	7.1	7.57	7.5	6.1	6.72	8.4	7.1	7.60
09/06/92	8.0	6.3	7.12	7.1	5.0	6.13	8.0	6.3	7.27
09/07/92	7.5	6.9	7.23	6.9	5.8	6.35	7.7	6.9	7.46
09/08/92	7.5	6.1	6.83	6.7	5.0	5.89	7.7	6.0	6.80
09/09/92	7.7	6.7	7.16	7.1	5.8	6.40	7.7	6.7	7.18
09/10/92	8.2	7.1	7.60	7.7	6.3	6.83	8.4	7.1	7.58
09/11/92	7.1	5.8	6.54	6.7	4.9	5.79	7.1	5.8	6.53
09/12/92	6.3	5.8	6.07	6.0	4.9	5.28	6.7	5.6	6.10
09/13/92	5.6	3.6	4.47	4.7	1.9	3.33	5.8	3.1	4.34
09/14/92	4.9	3.6	4.05	4.0	2.7	3.20	5.2	3.8	4.31
09/15/92	4.3	2.9	3.65	3.8	2.1	2.88	4.9	3.1	4.05
09/16/92	4.9	3.8	4.32	4.5	3.1	3.58	5.4	4.1	4.66
09/17/92	4.9	3.8	4.46	4.5	2.7	3.64	5.4	4.0	4.72
09/18/92	6.0	4.7	5.30	5.6	4.0	4.51	6.3	4.9	5.50
09/19/92	7.5	6.0	6.64	7.3	5.4	6.30	7.1	5.8	6.42
09/20/92	7.3	6.0	6.66	6.5	5.4	6.05	6.7	6.0	6.33
09/21/92	6.0	5.4	5.66	5.4	4.9	5.16	5.8	5.4	5.72
09/22/92	7.1	5.8	6.37	7.1	5.2	6.31	7.5	5.8	6.61
09/23/92	8.0	7.1	7.44	8.0	7.1	7.43	8.2	7.3	7.72
09/24/92	7.5	6.7	7.23	7.3	6.3	6.88	7.7	6.7	7.25
09/25/92	6.5	5.2	5.96	6.1	4.5	5.34	6.5	5.4	5.97
09/26/92	5.0	3.1	3.76	4.3	2.6	3.13	5.2	3.4	3.93
09/27/92	3.8	3.1	3.50	3.4	2.6	3.00	4.1	3.4	3.80
09/28/92	4.5	3.8	4.15	4.1	3.3	3.71	4.5	4.1	4.26
09/29/92	5.6	4.3	4.88	5.4	4.1	4.67	5.6	4.3	4.86
09/30/92	5.8	4.9	5.33	5.6	4.5	5.06	5.8	4.7	5.27
10/01/92	6.1	5.4	5.78	6.3	5.2	5.69	6.3	5.6	5.90
10/02/92	6.5	5.6	6.09	6.7	5.6	6.14	6.9	5.8	6.40
10/03/92	6.7	5.6	6.30	6.7	5.0	6.16	6.9	5.6	6.56
10/04/92	5.4	4.1	4.54	4.9	3.4	4.07	5.0	3.7	4.26
10/05/92	4.0	3.3	3.68	3.6	2.7	3.14	3.7	2.7	3.24
10/06/92	3.4	2.9	3.18	3.1	2.2	2.60	3.2	2.2	2.70
10/07/92	3.6	2.6	3.11	3.3	2.2	2.76	3.2	2.2	2.73
10/08/92	4.0	3.1	3.54	3.4	2.6	3.03	3.6	2.7	3.18
10/09/92	4.9	3.6	4.23	4.7	3.1	3.76	4.3	3.0	3.66
10/10/92	5.4	4.0	4.88	4.9	3.1	4.30	5.0	3.6	4.34
10/11/92	3.8	2.4	2.91	2.9	1.7	2.16	3.2	2.0	2.48

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
10/12/92	2.2	1.7	2.03	1.7	1.2	1.43	2.2	1.3	1.71
10/13/92	1.9	1.2	1.57	1.4	0.4	0.95	1.7	0.8	1.22
10/14/92	1.2	0.2	0.74	0.5	-0.1	0.31	1.0	0.1	0.63
10/15/92	0.5	0.0	0.28	0.0	-0.1	-0.07	0.5	0.0	0.16
10/16/92	0.4	0.0	0.18	0.0	-0.1	-0.10	0.5	-0.2	0.03
10/17/92	0.4	0.0	0.21	0.0	-0.1	-0.08	0.3	-0.2	0.07
10/18/92	0.2	0.0	0.05	-0.1	-0.1	-0.10	0.0	-0.2	-0.19
10/19/92	0.4	0.2	0.28	0.0	-0.1	-0.04	0.5	0.0	0.30
10/20/92	0.9	0.1	0.41	1.0	0.2	0.55	0.5	0.3	0.38
10/21/92	1.6	0.9	1.28	1.7	0.7	1.13	1.0	0.3	0.60
10/22/92	1.8	1.4	1.69	1.7	1.3	1.61	1.3	0.8	0.99
10/23/92	2.5	1.4	1.94	2.2	1.3	1.73	1.7	0.8	1.30
10/24/92	2.6	1.9	2.23	2.4	1.7	1.98	2.0	1.1	1.61
10/25/92	2.3	1.8	2.09	2.0	1.5	1.84	1.8	1.3	1.58
10/26/92	2.5	1.9	2.18	2.0	1.5	1.88	1.8	1.1	1.59
10/27/92	1.8	1.1	1.59	1.7	0.8	1.34	1.1	0.5	0.91
10/28/92	2.3	1.6	1.95	2.2	1.5	1.76	1.8	1.0	1.40
10/29/92	2.3	1.8	2.05	2.2	1.9	2.03	1.8	1.3	1.60
10/30/92	2.1	1.8	2.00	2.0	1.7	1.93	1.7	1.3	1.58
10/31/92	2.6	2.1	2.33	2.5	2.0	2.20	2.2	1.7	1.89
11/01/92	2.8	2.3	2.49	2.7	2.2	2.38	2.5	2.0	2.18
11/02/92	2.6	2.3	2.48	2.5	2.2	2.37	2.2	2.0	2.12
11/03/92	2.5	0.1	1.75	2.4	0.0	1.58	2.0	-0.2	1.37
11/04/92	1.8	0.3	1.35	1.7	0.2	1.12	1.1	0.1	0.79
11/05/92	1.9	1.4	1.65	1.7	1.2	1.43	1.5	1.0	1.23
11/06/92	1.8	1.1	1.43	1.5	0.7	1.21	1.3	0.8	1.11
11/07/92	1.8	1.4	1.62	1.7	1.3	1.38	1.5	1.0	1.21
11/08/92	1.6	0.8	1.21	1.3	0.5	0.92	1.1	0.3	0.80
11/09/92	0.8	0.3	0.40	0.3	0.0	0.16	0.3	0.0	0.12
11/10/92	0.8	0.3	0.54	0.5	0.2	0.31	0.5	0.1	0.31
11/11/92	0.4	0.0	0.07	0.0	0.0	0.00	0.3	0.0	0.07
11/12/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.0	0.08
11/13/92	0.6	0.0	0.24	0.5	0.0	0.23	0.6	0.3	0.46
11/14/92	1.3	0.8	1.02	1.2	0.5	0.97	0.8	0.5	0.66
11/15/92	1.3	1.1	1.22	1.3	1.2	1.23	1.0	0.8	0.88
11/16/92	1.1	0.6	0.83	1.0	0.3	0.69	1.0	0.6	0.74
11/17/92	0.4	0.0	0.25	0.3	0.0	0.17	0.5	0.3	0.42
11/18/92	0.3	0.0	0.07	0.3	0.0	0.12	0.5	0.0	0.28
11/19/92	0.8	0.0	0.39	1.0	0.0	0.50	1.0	0.1	0.64
11/20/92	0.8	0.4	0.71	0.8	0.3	0.67	1.0	0.6	0.78
11/21/92	0.4	0.1	0.33	0.5	0.2	0.38	0.6	0.3	0.50
11/22/92	0.0	0.0	0.00	0.2	0.0	0.01	0.3	-0.2	-0.11
11/23/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.09
11/24/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.01
11/25/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.15
11/26/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	-0.2	0.04
11/27/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.0	0.12
11/28/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	-0.2	0.08
11/29/92	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.0	0.25
11/30/92	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.1	0.27
12/01/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.16
12/02/92	0.0	0.0	0.00	0.0	0.0	0.00	-0.2	-0.2	-0.20
12/03/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.16
12/04/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.04
12/05/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.05
12/06/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.0	0.15
12/07/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	-0.2	-0.08
12/08/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.18
12/09/92	0.0	0.0	0.00	0.2	0.0	0.13	0.5	0.1	0.33
12/10/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.01

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
12/11/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.03
12/12/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/13/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.02
12/14/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.0	0.19
12/15/92	0.0	0.0	0.00	0.2	0.0	0.10	0.3	0.1	0.19
12/16/92	0.0	0.0	0.00	0.3	0.0	0.23	0.5	0.0	0.26
12/17/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	-0.2	-0.01
12/18/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/19/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/20/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/21/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/22/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/23/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/24/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/25/92	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.05
12/26/92	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.0	0.16
12/27/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/28/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/29/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/30/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/31/92	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/01/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/02/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/03/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/04/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/05/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/06/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/07/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/08/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/09/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/10/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/11/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/12/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/13/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/14/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/15/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/16/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/17/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/18/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/19/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/20/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/21/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/22/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/23/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/24/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.05
01/25/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.08
01/26/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.09
01/27/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
01/28/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
01/29/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
01/30/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.03
01/31/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.06
02/01/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.18
02/02/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.20
02/03/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.14
02/04/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.23
02/05/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.28
02/06/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.24
02/07/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.3	0.30
02/08/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.29

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
02/09/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.07
02/10/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/11/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/12/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/13/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/14/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/15/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/16/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/17/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/18/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/19/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/20/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/21/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/22/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/23/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/24/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/25/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/26/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/27/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/28/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/01/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/02/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/03/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/04/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/05/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/06/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/07/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.05
03/08/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/09/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/10/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.07
03/11/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.04
03/12/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.06
03/13/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/14/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.10
03/15/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.04
03/16/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.03
03/17/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.0	0.07
03/18/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/19/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/20/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/21/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/22/93	0.0	0.0	0.00	0.0	0.0	0.00	0.1	0.1	0.10
03/23/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.17
03/24/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.22
03/25/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.19
03/26/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.18
03/27/93	0.0	0.0	0.00	0.0	0.0	0.00	0.3	0.1	0.19
03/28/93	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.1	0.23
03/29/93	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.1	0.28
03/30/93	0.0	0.0	0.00	0.2	0.0	0.05	0.6	0.1	0.38
03/31/93	0.0	0.0	0.00	0.2	0.0	0.07	0.8	0.3	0.45
04/01/93	0.0	0.0	0.00	0.2	0.0	0.18	0.8	0.3	0.49
04/02/93	0.0	0.0	0.00	0.2	0.0	0.12	0.6	0.3	0.45
04/03/93	0.0	0.0	0.00	0.2	0.0	0.14	0.8	0.1	0.46
04/04/93	0.0	0.0	0.00	0.2	0.0	0.03	0.8	0.1	0.38
04/05/93	0.0	0.0	0.00	0.3	0.0	0.14	1.0	0.1	0.48
04/06/93	0.0	0.0	0.00	0.3	0.2	0.22	0.6	0.1	0.39
04/07/93	0.0	0.0	0.00	0.3	0.2	0.24	1.0	0.3	0.55
04/08/93	0.0	0.0	0.00	0.2	0.0	0.01	0.6	0.1	0.40
04/09/93	0.0	-0.2	-0.01	0.0	0.0	0.00	1.0	0.1	0.49

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
04/10/93	0.0	-0.2	-0.01	0.3	0.0	0.17	1.1	0.3	0.66
04/11/93	0.0	-0.2	-0.04	0.7	0.0	0.31	1.1	0.1	0.52
04/12/93	0.1	-0.2	-0.05	0.8	0.0	0.37	1.3	0.1	0.61
04/13/93	0.0	0.0	0.00	0.7	0.2	0.45	1.1	0.3	0.71
04/14/93	0.3	0.0	0.04	1.0	0.2	0.47	1.8	0.1	0.83
04/15/93	0.1	-0.2	-0.02	1.0	0.2	0.49	1.5	0.1	0.75
04/16/93	0.3	0.0	0.07	1.0	0.2	0.48	1.8	0.5	0.98
04/17/93	0.3	-0.2	0.05	1.0	0.0	0.44	1.7	0.5	0.86
04/18/93	0.6	-0.2	0.07	1.3	0.2	0.56	1.7	0.3	0.90
04/19/93	0.6	-0.2	0.11	1.0	0.2	0.48	1.3	0.3	0.75
04/20/93	0.8	-0.2	0.13	1.5	0.0	0.58	2.2	0.1	0.93
04/21/93	0.4	0.0	0.11	0.8	0.2	0.43	1.3	0.5	0.81
04/22/93	0.8	0.0	0.17	1.0	0.0	0.30	1.5	0.3	0.78
04/23/93	0.6	0.0	0.18	0.8	0.0	0.39	1.3	0.3	0.78
04/24/93	1.3	0.0	0.43	1.6	0.3	0.73	2.0	0.5	1.07
04/25/93	0.6	0.1	0.24	0.8	0.0	0.28	1.3	0.5	0.73
04/26/93	0.8	0.1	0.35	1.5	0.0	0.52	1.5	0.3	0.72
04/27/93	1.3	0.3	0.65	2.0	0.1	0.88	2.7	0.3	1.21
04/28/93	1.3	0.3	0.78	1.8	0.3	1.01	2.0	0.5	1.21
04/29/93	1.6	0.3	0.82	2.0	0.3	1.12	2.3	0.5	1.38
04/30/93	1.9	0.4	1.06	2.8	0.5	1.47	2.9	0.6	1.72
05/01/93	1.8	0.6	1.07	2.3	0.8	1.38	2.3	1.1	1.65
05/02/93	2.1	0.6	1.29	2.5	0.6	1.45	3.7	1.0	1.99
05/03/93	2.3	0.4	1.34	2.8	0.5	1.54	3.7	0.8	2.10
05/04/93	2.6	1.1	1.85	2.8	1.0	1.95	3.6	1.5	2.47
05/05/93	2.5	1.3	1.80	2.5	1.1	1.64	3.2	1.7	2.28
05/06/93	2.5	1.1	1.67	2.8	0.8	1.67	3.2	1.5	2.23
05/07/93	2.3	0.6	1.50	2.5	0.5	1.45	3.2	1.0	2.06
05/08/93	3.1	0.9	1.97	3.9	0.8	2.11	4.3	1.3	2.66
05/09/93	2.6	1.4	2.09	3.0	1.1	2.06	3.6	1.7	2.68
05/10/93	2.8	1.8	2.28	2.7	1.6	2.12	3.2	2.3	2.76
05/11/93	3.1	1.9	2.44	3.2	1.5	2.13	4.1	2.2	2.83
05/12/93	2.5	1.8	2.09	2.7	1.3	1.88	3.0	1.8	2.41
05/13/93	3.5	1.3	2.27	4.2	1.3	2.37	5.2	1.8	3.04
05/14/93	3.3	1.4	2.38	3.2	1.3	2.12	3.9	1.8	2.72
05/15/93	3.0	1.9	2.53	2.8	1.6	2.13	3.2	2.0	2.59
05/16/93	4.2	2.3	3.09	3.7	1.8	2.58	4.8	2.3	3.16
05/17/93	4.0	2.3	3.17	3.9	1.6	2.65	4.8	2.0	3.20
05/18/93	4.5	2.5	3.50	4.2	2.0	2.96	5.0	2.3	3.55
05/19/93	4.7	3.0	3.89	4.2	2.3	3.18	5.0	2.5	3.74
05/20/93	4.2	3.3	3.68	3.7	2.3	2.92	4.1	2.9	3.43
05/21/93	3.3	2.5	2.98	2.8	2.0	2.53	3.4	2.3	2.93
05/22/93	4.4	2.8	3.54	4.6	2.3	3.24	5.2	2.7	3.83
05/23/93	5.3	3.0	4.07	5.3	2.3	3.76	6.3	2.9	4.46
05/24/93	5.6	3.3	4.62	6.1	2.8	4.23	6.9	3.4	5.09
05/25/93	6.0	4.0	5.09	6.2	3.2	4.48	7.1	3.9	5.45
05/26/93	6.2	4.2	5.26	6.1	3.2	4.56	7.3	3.9	5.56
05/27/93	6.5	4.4	5.56	6.6	3.5	4.98	7.6	4.5	6.02
05/28/93	6.9	4.9	5.97	7.2	3.9	5.45	8.2	4.6	6.50
05/29/93	7.3	5.3	6.44	7.6	4.6	5.97	8.4	5.4	7.02
05/30/93	6.9	5.8	6.42	7.0	5.1	6.02	7.8	6.1	7.14
05/31/93	6.9	5.6	6.24	6.6	5.0	5.84	7.6	6.1	6.98
06/01/93	6.5	5.8	6.18	6.2	5.7	5.89	7.4	6.5	6.94
06/02/93	6.2	5.3	5.72	6.4	5.0	5.62	7.1	5.7	6.41
06/03/93	6.9	5.1	6.04	7.8	4.8	6.18	8.6	5.6	7.13
06/04/93	7.3	5.6	6.61	7.8	5.7	6.80	8.8	6.7	7.93
06/05/93	7.9	6.0	7.05	8.5	5.9	7.26	9.8	7.1	8.46
06/06/93	7.7	6.5	7.28	8.1	6.6	7.52	9.0	7.8	8.63
06/07/93	7.9	6.7	7.21	8.3	7.0	7.54	9.6	8.0	8.64
06/08/93	7.1	5.6	6.30	7.0	5.5	6.41	8.4	6.7	7.59

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
06/09/93	6.5	5.6	6.17	6.8	5.7	6.30	7.6	6.7	7.29
06/10/93	7.1	5.8	6.35	7.2	5.7	6.39	8.0	6.7	7.35
06/11/93	7.5	5.6	6.49	7.8	5.7	6.58	8.6	6.7	7.60
06/12/93	7.5	5.1	6.43	7.6	5.1	6.59	8.6	6.3	7.57
06/13/93	7.5	5.4	6.52	7.8	5.9	6.94	8.6	6.7	7.78
06/14/93	7.7	5.8	6.85	7.9	6.2	7.17	8.6	7.1	7.93
06/15/93	7.1	6.7	6.81	7.8	7.0	7.31	8.4	7.8	8.06
06/16/93	8.2	6.4	7.31	8.3	6.6	7.54	9.4	7.4	8.43
06/17/93	7.7	6.7	7.17	7.9	7.0	7.50	9.0	7.6	8.37
06/18/93	8.2	6.7	7.45	8.9	7.2	7.97	9.6	8.0	8.74
06/19/93	8.4	6.5	7.28	8.3	6.6	7.47	9.6	7.4	8.40
06/20/93	7.9	5.6	6.77	7.8	5.5	6.77	9.2	6.3	7.85
06/21/93	8.1	6.2	7.15	8.1	6.2	7.23	9.4	7.3	8.32
06/22/93	7.3	6.0	6.53	7.6	6.2	6.64	8.6	7.3	7.69
06/23/93	7.7	5.8	6.64	8.1	6.1	6.88	8.6	6.9	7.65
06/24/93	7.8	6.0	7.07	8.3	6.2	7.39	9.2	6.9	8.15
06/25/93	8.1	6.9	7.56	8.7	7.4	8.08	10.0	8.2	8.98
06/26/93	7.9	6.9	7.38	8.3	7.4	7.85	9.6	8.2	8.80
06/27/93	7.3	6.9	7.20	7.9	7.6	7.77	8.8	8.2	8.50
06/28/93	7.5	6.7	7.03	7.9	7.4	7.64	9.0	8.0	8.51
06/29/93	6.9	6.4	6.65	7.6	6.8	7.23	9.0	8.0	8.54
06/30/93	7.9	6.2	7.00	8.5	6.4	7.40	9.6	7.4	8.43
07/01/93	8.1	6.2	7.14	8.7	6.4	7.60	9.8	7.3	8.69
07/02/93	7.7	6.4	7.22	8.5	6.8	7.80	10.0	7.8	9.05
07/03/93	8.6	6.9	7.74	9.5	7.2	8.38	10.7	8.2	9.58
07/04/93	8.6	7.1	7.85	9.1	7.6	8.37	10.5	8.8	9.60
07/05/93	9.0	6.9	7.86	9.5	7.4	8.36	10.9	8.4	9.63
07/06/93	9.0	7.3	8.01	9.3	7.8	8.47	10.9	8.8	9.71
07/07/93	9.6	7.5	8.41	9.7	7.9	8.77	11.1	9.0	10.02
07/08/93	8.6	7.9	8.21	8.9	8.1	8.48	10.3	9.2	9.68
07/09/93	9.6	7.3	8.36	9.5	7.6	8.56	11.5	8.6	9.89
07/10/93	9.2	7.7	8.45	9.5	8.1	8.80	10.9	9.0	9.95
07/11/93	9.2	7.9	8.55	9.5	8.1	8.85	10.7	9.2	9.92
07/12/93	9.0	7.1	8.20	9.3	7.4	8.50	10.5	8.2	9.44
07/13/93	9.4	6.9	8.22	9.3	7.2	8.45	10.9	8.2	9.53
07/14/93	8.2	7.3	7.82	8.5	7.4	7.98	9.4	8.4	8.83
07/15/93	8.8	7.5	8.07	8.9	7.8	8.25	10.5	8.6	9.33
07/16/93	9.6	6.7	8.11	9.3	7.0	8.20	11.3	8.0	9.52
07/17/93	9.8	6.9	8.49	9.9	7.2	8.63	11.5	8.0	9.83
07/18/93	10.6	8.4	9.41	11.2	8.7	9.73	12.0	9.4	10.68
07/19/93	10.8	8.2	9.63	10.8	8.5	9.70	12.2	9.4	10.89
07/20/93	10.6	9.0	9.68	10.3	9.3	9.78	11.3	10.3	10.83
07/21/93	10.8	8.2	9.58	10.1	8.1	9.28	12.2	9.2	10.65
07/22/93	10.2	8.8	9.59	10.1	8.7	9.41	11.1	9.8	10.60
07/23/93	10.8	9.0	9.80	10.3	8.9	9.66	11.5	10.0	10.71
07/24/93	10.6	9.0	9.84	10.5	8.9	9.73	12.0	9.8	10.77
07/25/93	11.9	9.0	10.20	11.6	8.7	10.05	13.1	9.6	11.21
07/26/93	11.3	9.0	10.23	11.0	8.9	9.95	13.1	9.8	11.45
07/27/93	12.3	10.0	10.89	12.0	9.9	10.80	13.8	11.1	12.25
07/28/93	10.8	10.2	10.44	11.0	10.1	10.52	12.2	11.3	11.68
07/29/93	10.0	9.4	9.67	10.1	8.9	9.67	11.1	9.6	10.55
07/30/93	9.0	8.1	8.54	9.3	7.8	8.43	9.6	8.4	9.04
07/31/93	9.0	8.2	8.64	9.7	7.9	8.74	10.3	8.4	9.35
08/01/93	9.4	8.2	8.83	10.1	7.8	9.09	11.3	8.4	9.83
08/02/93	10.0	8.6	9.33	10.8	8.5	9.73	12.2	9.2	10.63
08/03/93	10.6	9.0	9.73	11.6	9.1	10.38	12.9	9.8	11.36
08/04/93	11.1	9.2	10.05	11.8	9.7	10.82	13.3	10.5	11.88
08/05/93	11.5	9.4	10.40	12.2	9.9	11.16	13.8	10.9	12.30
08/06/93	10.8	9.6	10.27	11.6	10.3	11.05	13.1	11.3	12.18
08/07/93	10.6	9.0	9.92	11.2	9.3	10.41	12.6	10.5	11.59

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/08/93	10.4	9.4	9.92	10.8	10.1	10.44	11.7	11.0	11.28
08/09/93	9.4	8.6	9.03	9.9	8.7	9.23	10.8	9.5	10.18
08/10/93	9.2	8.1	8.63	9.5	7.9	8.83	10.6	8.7	9.67
08/11/93	9.4	7.3	8.54	9.5	7.4	8.62	10.2	7.9	9.15
08/12/93	9.6	8.6	9.07	9.9	8.7	9.22	10.6	9.1	9.85
08/13/93	9.6	7.9	8.72	9.7	7.9	8.87	10.6	8.5	9.66
08/14/93	9.4	7.9	8.60	9.9	7.8	8.83	11.2	8.5	9.83
08/15/93	9.6	7.7	8.71	10.1	7.9	9.05	11.2	8.5	9.92
08/16/93	10.0	8.4	9.16	10.5	8.5	9.54	11.9	8.9	10.40
08/17/93	10.6	8.4	9.51	10.8	8.9	9.89	12.4	9.5	10.88
08/18/93	10.8	9.0	9.80	11.2	9.3	10.16	12.4	9.8	10.95
08/19/93	10.4	9.0	9.70	11.2	9.3	10.18	12.8	10.2	11.23
08/20/93	10.6	8.8	9.76	11.4	9.3	10.30	12.1	10.0	11.09
08/21/93	10.4	9.0	9.73	11.2	9.5	10.27	12.8	10.2	11.30
08/22/93	10.0	8.8	9.47	10.3	9.1	9.83	11.0	10.0	10.63
08/23/93	9.6	8.4	9.19	9.7	8.5	9.42	10.6	9.5	10.14
08/24/93	8.2	7.7	7.89	8.5	7.6	8.03	9.3	8.3	8.73
08/25/93	8.3	7.2	7.92	8.5	7.4	8.08	8.9	7.7	8.42
08/26/93	7.8	6.7	7.54	7.9	6.8	7.61	8.5	7.3	8.08
08/27/93	8.0	6.5	7.46	8.1	6.6	7.52	8.7	6.9	7.94
08/28/93	8.0	6.5	7.42	8.1	6.6	7.47	8.9	6.9	7.96
08/29/93	8.0	6.5	7.39	8.1	6.6	7.44	9.5	6.9	8.16
08/30/93	8.2	6.5	7.68	8.7	6.6	7.78	9.7	7.2	8.37
08/31/93	9.4	8.1	8.71	9.9	8.5	9.18	11.0	8.9	9.74
09/01/93	9.6	8.2	8.83	10.1	8.5	9.32	11.4	8.9	10.07
09/02/93	10.0	8.4	9.13	10.5	8.7	9.55	11.6	9.1	10.25
09/03/93	9.8	8.6	9.13	10.3	9.1	9.63	11.6	9.3	10.36
09/04/93	9.2	7.7	8.46	9.5	7.9	8.78	11.2	8.7	9.80
09/05/93	9.0	7.3	8.23	9.5	7.8	8.60	10.6	8.3	9.47
09/06/93	9.0	7.5	8.36	9.5	7.8	8.72	10.6	8.3	9.40
09/07/93	9.8	8.1	8.88	10.3	8.5	9.28	11.2	8.9	9.90
09/08/93	9.6	8.4	8.98	10.1	8.9	9.36	11.2	8.9	9.92
09/09/93	9.0	7.1	8.28	9.3	7.6	8.46	10.4	8.1	9.23
09/10/93	9.2	7.5	8.33	8.9	7.8	8.35	9.5	8.3	8.93
09/11/93	8.4	7.3	7.88	8.3	7.2	7.81	9.3	7.9	8.53
09/12/93	7.5	5.8	6.87	7.6	6.1	6.91	8.9	7.0	7.87
09/13/93	8.1	7.1	7.66	8.3	7.0	7.58	8.9	7.5	8.18
09/14/93	8.2	7.3	7.79	8.1	7.0	7.60	9.1	7.7	8.35
09/15/93	7.9	6.7	7.34	7.9	6.8	7.34	9.1	7.5	8.24
09/16/93	7.1	5.6	6.47	7.4	5.7	6.53	8.3	6.6	7.39
09/17/93	6.9	5.4	6.28	7.2	5.5	6.35	8.1	6.0	6.97
09/18/93	6.7	5.3	6.17	6.6	5.1	6.11	7.5	5.8	6.76
09/19/93	5.4	4.0	4.69	5.5	3.9	4.64	6.4	4.5	5.46
09/20/93	4.7	3.1	3.98	4.8	3.0	3.96	5.8	3.8	4.77
09/21/93	5.4	3.5	4.52	5.5	3.4	4.44	6.0	3.8	4.95
09/22/93	6.4	4.9	5.55	6.4	5.0	5.59	7.2	5.3	6.07
09/23/93	7.3	5.4	6.30	7.4	5.5	6.41	7.3	6.0	6.75
09/24/93	7.3	6.4	6.81	7.0	6.4	6.70	7.9	6.8	7.27
09/25/93	6.7	5.4	6.20	6.6	5.1	6.03	7.0	5.5	6.40
09/26/93	7.5	6.0	6.73	7.6	5.9	6.62	7.8	6.3	7.00
09/27/93	6.7	5.6	6.07	6.6	5.5	5.98	7.3	5.8	6.47
09/28/93	5.6	4.1	5.07	5.9	4.2	5.10	6.5	4.9	5.68
09/29/93	7.1	5.4	6.20	7.4	5.3	6.24	7.5	5.6	6.44
09/30/93	6.3	5.4	5.88	6.2	5.1	5.80	6.9	5.4	6.20
10/01/93	6.9	5.6	6.12	7.0	5.5	6.14	7.3	5.6	6.41
10/02/93	7.1	6.0	6.35	7.0	5.7	6.25	7.5	5.8	6.55
10/03/93	7.3	6.0	6.48	7.4	6.1	6.67	7.8	6.0	6.85
10/04/93	6.7	5.4	6.06	7.2	5.7	6.42	7.5	5.8	6.68
10/05/93	7.1	6.3	6.57	7.2	6.4	6.79	7.5	6.7	7.12
10/06/93	6.1	4.7	5.28	6.4	4.6	5.38	6.9	5.2	6.06

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
10/07/93	4.5	3.6	4.03	4.6	3.4	3.97	5.0	4.1	4.69
10/08/93	4.3	3.4	3.65	3.9	3.2	3.48	4.7	4.0	4.22
10/09/93	4.0	3.6	3.76	3.5	3.2	3.32	4.1	3.8	4.00
10/10/93	3.8	3.4	3.61	3.5	3.0	3.27	4.1	3.8	4.01
10/11/93	3.8	3.4	3.58	3.4	3.2	3.27	4.1	4.0	4.04
10/12/93	3.6	3.3	3.42	3.4	3.0	3.12	4.1	3.8	3.97
10/13/93	3.8	3.3	3.51	3.4	2.8	3.11	4.1	3.8	3.98
10/14/93	4.3	3.6	3.87	4.1	3.2	3.45	4.7	4.0	4.22
10/15/93	4.3	3.1	3.71	4.1	2.8	3.42	4.7	3.6	4.13
10/16/93	3.6	3.1	3.33	3.4	2.8	3.09	4.1	3.6	3.82
10/17/93	4.0	2.9	3.43	3.7	2.7	3.19	4.3	3.4	3.89
10/18/93	4.3	3.1	3.75	3.9	2.8	3.50	4.7	3.4	4.10
10/19/93	3.1	2.4	2.73	2.8	2.0	2.41	3.3	2.6	2.97
10/20/93	3.4	2.2	2.78	3.4	2.0	2.59	3.8	2.6	3.10
10/21/93	2.9	2.2	2.57	2.8	2.0	2.40	3.1	2.6	2.89
10/22/93	3.4	2.4	2.91	3.2	2.2	2.63	3.4	2.6	3.03
10/23/93	3.1	2.2	2.76	3.0	2.0	2.60	3.4	2.6	3.00
10/24/93	3.3	2.4	2.88	3.0	2.2	2.67	3.4	2.7	3.14
10/25/93	2.9	1.9	2.45	2.8	1.8	2.35	3.3	2.2	2.77
10/26/93	4.7	2.9	3.59	4.4	2.7	3.48	4.3	2.9	3.64
10/27/93	4.9	4.0	4.69	5.0	3.7	4.61	4.9	4.0	4.48
10/28/93	3.8	3.3	3.51	3.7	3.2	3.47	3.8	3.4	3.58
10/29/93	4.3	3.4	3.80	4.4	3.4	3.84	4.5	3.6	4.03
10/30/93	4.5	3.6	4.05	4.6	3.7	4.13	4.9	4.0	4.40
10/31/93	3.4	2.4	2.92	3.5	2.3	2.92	3.8	2.6	3.28
11/01/93	2.2	0.4	1.63	2.2	0.6	1.46	2.6	0.5	1.77
11/02/93	2.4	1.2	1.76	2.2	1.3	1.69	1.5	1.4	1.43
11/03/93	2.7	2.2	2.46	2.7	2.2	2.35	2.6	1.5	2.09
11/04/93	2.2	1.5	1.91	2.0	1.3	1.69	2.1	1.4	1.85
11/05/93	1.5	0.7	1.03	1.1	0.6	0.85	1.4	0.9	1.04
11/06/93	2.1	0.9	1.51	2.0	0.6	1.23	1.5	0.7	1.13
11/07/93	2.4	1.7	2.03	2.3	1.5	1.80	2.1	1.2	1.58
11/08/93	1.9	1.2	1.60	1.6	0.8	1.24	1.5	0.9	1.32
11/09/93	1.4	0.7	1.07	1.0	0.3	0.71	1.2	0.5	0.82
11/10/93	1.2	0.5	0.85	0.8	0.5	0.63	1.2	0.7	0.84
11/11/93	1.7	0.9	1.40	1.5	0.6	1.11	1.5	0.9	1.20
11/12/93	1.7	1.0	1.43	1.5	0.6	1.13	1.4	0.7	1.11
11/13/93	1.2	0.5	0.90	1.0	0.5	0.73	1.2	0.5	0.85
11/14/93	1.5	0.9	1.18	1.5	0.6	1.01	1.4	0.7	1.13
11/15/93	0.9	0.2	0.58	0.8	0.1	0.47	0.9	0.4	0.67
11/16/93	0.2	0.0	0.01	0.1	0.0	0.01	0.5	0.0	0.28
11/17/93	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.0	0.23
11/18/93	0.2	0.0	0.06	0.1	0.0	0.05	0.7	0.2	0.39
11/19/93	1.7	0.2	0.76	1.5	0.1	0.75	1.2	0.5	0.95
11/20/93	2.1	0.0	1.47	1.8	0.0	1.22	1.4	0.0	1.04
11/21/93	0.0	0.0	0.00	0.1	0.0	0.04	0.2	0.0	0.02
11/22/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
11/23/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
11/24/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
11/25/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
11/26/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
11/27/93	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
11/28/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.11
11/29/93	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.22
11/30/93	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
12/01/93	0.0	0.0	0.00	0.1	0.0	0.05	0.5	0.2	0.39
12/02/93	0.0	0.0	0.00	0.1	0.1	0.10	0.4	0.0	0.28
12/03/93	0.0	0.0	0.00	0.3	0.1	0.19	0.7	0.4	0.47
12/04/93	0.0	0.0	0.00	0.5	0.3	0.32	0.4	0.2	0.28
12/05/93	0.0	0.0	0.00	0.3	0.1	0.24	0.2	0.0	0.08

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
12/06/93	0.0	0.0	0.00	0.3	0.3	0.30	0.2	0.2	0.20
12/07/93	0.2	0.0	0.02	0.5	0.1	0.35	0.2	0.0	0.13
12/08/93	0.2	0.0	0.14	0.5	0.3	0.46	0.4	0.2	0.32
12/09/93	0.2	0.0	0.14	0.6	0.1	0.45	0.5	0.0	0.33
12/10/93	0.4	0.2	0.22	0.6	0.3	0.54	0.5	0.4	0.47
12/11/93	0.2	0.2	0.20	0.5	0.3	0.47	0.4	0.2	0.32
12/12/93	0.2	0.0	0.16	0.5	0.1	0.43	0.4	0.0	0.25
12/13/93	0.4	0.2	0.32	0.8	0.5	0.59	0.5	0.2	0.44
12/14/93	0.4	0.4	0.40	0.8	0.6	0.66	0.7	0.5	0.53
12/15/93	0.5	0.4	0.45	0.8	0.6	0.71	0.7	0.5	0.60
12/16/93	0.5	0.4	0.49	0.8	0.6	0.79	0.7	0.5	0.69
12/17/93	0.5	0.4	0.42	0.8	0.6	0.69	0.7	0.5	0.59
12/18/93	0.4	0.2	0.31	0.6	0.3	0.53	0.5	0.0	0.28
12/19/93	0.4	0.2	0.27	0.6	0.3	0.42	0.4	0.2	0.28
12/20/93	0.2	0.0	0.17	0.5	0.1	0.40	0.2	0.0	0.17
12/21/93	0.2	0.0	0.10	0.5	0.1	0.29	0.2	0.0	0.09
12/22/93	0.2	0.0	0.16	0.5	0.1	0.28	0.2	0.0	0.13
12/23/93	0.2	0.2	0.20	0.5	0.3	0.43	0.4	0.2	0.28
12/24/93	0.2	0.0	0.03	0.3	0.1	0.23	0.2	0.0	0.17
12/25/93	0.0	0.0	0.00	0.5	0.0	0.23	0.2	0.0	0.07
12/26/93	0.2	0.0	0.16	0.6	0.3	0.50	0.5	0.2	0.30
12/27/93	0.2	0.2	0.20	0.5	0.3	0.48	0.4	0.2	0.30
12/28/93	0.4	0.2	0.23	0.6	0.5	0.53	0.5	0.4	0.42
12/29/93	0.4	0.2	0.27	0.6	0.5	0.57	0.5	0.4	0.45
12/30/93	0.4	0.2	0.28	0.6	0.3	0.50	0.5	0.2	0.40
12/31/93	0.4	0.0	0.26	0.8	0.1	0.52	0.7	0.0	0.43
01/01/94	0.2	0.0	0.03	0.3	0.0	0.20	0.2	0.0	0.11
01/02/94	0.0	0.0	0.00	0.1	0.1	0.10	0.2	0.0	0.07
01/03/94	0.0	0.0	0.00	0.3	0.0	0.07	0.2	0.0	0.03
01/04/94	0.0	0.0	0.00	0.3	0.0	0.15	0.2	0.0	0.07
01/05/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/06/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/07/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/08/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/09/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/10/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/11/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/12/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/13/94	0.0	0.0	0.00	0.1	0.0	0.01	0.0	0.0	0.00
01/14/94	0.0	0.0	0.00	0.1	0.0	0.06	0.2	0.0	0.08
01/15/94	0.0	0.0	0.00	0.3	0.0	0.21	0.4	0.0	0.16
01/16/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/17/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/18/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/19/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/20/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/21/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/22/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/23/94	0.0	0.0	0.00	0.1	0.0	0.04	0.0	0.0	0.00
01/24/94	0.0	0.0	0.00	0.3	0.0	0.10	0.2	0.0	0.12
01/25/94	0.0	0.0	0.00	0.5	0.1	0.39	0.4	0.2	0.33
01/26/94	0.0	0.0	0.00	0.6	0.5	0.60	0.7	0.4	0.50
01/27/94	0.0	0.0	0.00	0.6	0.5	0.53	0.5	0.4	0.45
01/28/94	0.2	0.0	0.03	0.5	0.3	0.43	0.7	0.4	0.46
01/29/94	0.2	0.0	0.10	0.6	0.5	0.53	0.7	0.4	0.51
01/30/94	0.2	0.0	0.04	0.5	0.3	0.38	0.5	0.2	0.35
01/31/94	0.0	0.0	0.00	0.3	0.0	0.17	0.4	0.0	0.21
02/01/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/02/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/03/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
02/04/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/05/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/06/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
02/07/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/08/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/09/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/10/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/11/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/12/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/13/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/14/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/15/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/16/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
02/17/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/18/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/19/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/20/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/21/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/22/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/23/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/24/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/25/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/26/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/27/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/28/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/01/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/02/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/03/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.02
03/04/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04
03/05/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
03/06/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.02
03/07/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.05
03/08/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
03/09/94	0.0	0.0	0.00	0.1	0.0	0.04	0.4	0.2	0.24
03/10/94	0.0	0.0	0.00	0.1	0.0	0.07	0.4	0.0	0.19
03/11/94	0.0	0.0	0.00	0.1	0.0	0.05	0.4	0.0	0.14
03/12/94	0.0	0.0	0.00	0.1	0.0	0.05	0.5	0.2	0.31
03/13/94	0.0	0.0	0.00	0.1	0.0	0.04	0.7	0.2	0.38
03/14/94	0.0	0.0	0.00	0.3	0.1	0.18	0.9	0.2	0.42
03/15/94	0.0	0.0	0.00	0.5	0.1	0.29	1.0	0.2	0.52
03/16/94	0.0	0.0	0.00	0.6	0.1	0.40	1.4	0.2	0.63
03/17/94	0.0	0.0	0.00	0.5	0.1	0.28	0.7	0.2	0.42
03/18/94	0.0	0.0	0.00	0.6	0.1	0.33	1.2	0.2	0.51
03/19/94	0.0	0.0	0.00	0.5	0.0	0.20	0.7	0.0	0.30
03/20/94	0.0	0.0	0.00	0.6	0.0	0.29	1.0	0.0	0.43
03/21/94	0.0	0.0	0.00	0.5	0.3	0.38	0.5	0.2	0.45
03/22/94	0.0	0.0	0.00	0.8	0.3	0.50	1.2	0.4	0.67
03/23/94	0.2	0.0	0.03	0.6	0.3	0.45	1.2	0.2	0.56
03/24/94	0.0	0.0	0.00	0.8	0.0	0.39	1.0	0.0	0.45
03/25/94	0.2	0.0	0.04	1.0	0.3	0.58	1.7	0.4	0.78
03/26/94	0.2	0.0	0.04	1.0	0.3	0.61	1.7	0.2	0.76
03/27/94	0.2	0.0	0.04	1.1	0.3	0.59	1.9	0.2	0.80
03/28/94	0.2	0.0	0.04	1.1	0.1	0.56	1.7	0.0	0.70
03/29/94	0.4	0.0	0.06	1.3	0.1	0.58	1.9	0.0	0.73
03/30/94	0.4	0.0	0.08	1.3	0.3	0.66	2.1	0.4	0.91
03/31/94	0.2	0.0	0.03	1.3	0.1	0.59	1.9	0.2	0.80
04/01/94	0.4	0.0	0.07	1.5	0.1	0.70	1.7	0.2	0.77
04/02/94	0.2	0.0	0.02	1.3	0.5	0.75	1.7	0.5	0.85
04/03/94	0.4	0.0	0.08	1.6	0.3	0.79	1.9	0.4	0.85
04/04/94	0.2	0.0	0.02	0.6	0.3	0.45	0.9	0.4	0.59

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
04/05/94	0.4	0.0	0.10	1.5	0.3	0.74	1.5	0.4	0.68
04/06/94	1.2	0.0	0.30	1.8	0.0	0.68	1.5	0.0	0.58
04/07/94	0.9	0.0	0.37	1.5	0.1	0.72	1.4	0.0	0.63
04/08/94	1.5	0.0	0.55	2.2	0.3	1.04	2.2	0.2	0.91
04/09/94	1.0	0.0	0.45	1.8	0.3	0.95	1.4	0.2	0.76
04/10/94	1.0	0.2	0.48	1.6	0.5	0.95	1.0	0.4	0.66
04/11/94	0.5	0.0	0.27	1.5	0.5	0.89	1.2	0.5	0.78
04/12/94	0.5	0.0	0.16	1.5	0.3	0.76	1.2	0.2	0.60
04/13/94	1.0	0.0	0.43	1.8	0.3	0.88	1.7	0.2	0.75
04/14/94	0.5	0.0	0.35	0.8	0.1	0.53	0.7	0.2	0.43
04/15/94	1.2	0.2	0.70	1.8	0.3	1.02	1.5	0.2	0.85
04/16/94	1.7	0.5	0.85	2.5	0.8	1.33	2.2	0.5	1.08
04/17/94	1.5	0.2	0.58	2.2	0.6	1.15	2.4	0.4	1.05
04/18/94	1.5	0.0	0.53	2.3	0.1	1.03	2.4	0.2	1.00
04/19/94	1.2	0.2	0.50	1.6	0.5	0.88	1.5	0.4	0.82
04/20/94	1.4	0.4	0.80	2.2	0.6	1.21	2.6	0.5	1.23
04/21/94	1.4	0.0	0.50	2.3	0.1	1.02	2.4	0.5	1.03
04/22/94	0.7	0.0	0.17	1.5	0.1	0.57	1.7	0.2	0.74
04/23/94	0.4	0.0	0.16	1.6	0.3	0.86	1.4	0.2	0.64
04/24/94	0.7	0.0	0.23	2.2	0.5	1.05	2.1	0.4	1.09
04/25/94	1.4	0.0	0.51	2.5	0.5	1.23	2.9	0.4	1.32
04/26/94	1.7	0.2	0.70	2.8	0.5	1.35	3.3	0.4	1.51
04/27/94	2.1	0.2	1.03	2.9	0.5	1.54	3.3	0.5	1.73
04/28/94	2.4	0.9	1.47	2.9	1.0	1.69	3.3	1.2	1.96
04/29/94	1.9	0.4	0.95	2.4	0.7	1.29	2.7	0.9	1.64
04/30/94	1.2	0.4	0.67	2.1	0.5	1.06	2.2	0.7	1.37
05/01/94	2.2	0.4	1.21	2.9	0.4	1.44	3.3	0.5	1.64
05/02/94	2.4	1.0	1.65	2.7	1.0	1.75	3.1	1.2	2.05
05/03/94	2.7	1.0	1.70	2.9	0.9	1.68	3.4	0.9	2.02
05/04/94	2.6	0.9	1.76	2.6	0.7	1.64	3.1	0.9	2.00
05/05/94	2.7	1.2	2.00	2.7	1.0	1.91	3.3	1.4	2.36
05/06/94	3.4	1.7	2.27	3.6	1.4	2.06	4.1	1.7	2.59
05/07/94	2.9	1.2	1.96	3.4	0.9	1.93	4.1	1.2	2.43
05/08/94	3.4	1.4	2.36	3.4	1.2	2.22	4.1	1.5	2.77
05/09/94	3.4	2.0	2.54	3.6	1.5	2.27	4.9	2.1	3.14
05/10/94	3.2	1.5	2.41	3.3	1.2	2.18	4.1	1.7	2.93
05/11/94	3.2	2.0	2.59	3.1	1.5	2.19	4.0	2.2	2.94
05/12/94	3.1	1.4	2.26	3.4	1.0	2.10	4.1	1.4	2.69
05/13/94	3.2	1.9	2.61	3.3	1.5	2.35	4.3	2.1	3.20
05/14/94	3.4	1.7	2.62	3.6	1.4	2.44	4.9	1.9	3.25
05/15/94	3.8	1.7	2.78	3.8	1.4	2.61	4.5	1.9	3.34
05/16/94	3.6	2.9	3.16	3.3	2.2	2.67	4.1	2.9	3.41
05/17/94	3.9	2.6	3.25	3.8	2.1	2.85	4.9	2.6	3.60
05/18/94	4.6	2.4	3.50	4.9	1.9	3.16	5.6	2.4	3.89
05/19/94	4.6	2.6	3.69	4.5	2.1	3.20	5.6	2.6	4.04
05/20/94	4.8	3.1	3.95	4.5	2.2	3.28	6.1	2.9	4.22
05/21/94	4.8	2.9	3.86	4.7	2.2	3.17	5.4	2.7	3.94
05/22/94	4.8	2.9	3.95	4.9	2.2	3.35	6.0	2.7	4.33
05/23/94	4.8	3.1	4.01	4.5	2.2	3.40	5.8	3.1	4.41
05/24/94	5.2	3.2	4.22	4.7	2.6	3.56	6.1	3.3	4.57
05/25/94	4.8	3.8	4.13	4.3	2.7	3.30	5.0	3.6	4.25
05/26/94	4.6	2.9	3.71	4.1	2.2	3.07	5.0	3.1	3.96
05/27/94	4.3	2.6	3.36	4.0	1.9	2.88	5.2	2.6	3.85
05/28/94	3.6	2.9	3.28	3.1	2.4	2.76	4.0	3.3	3.70
05/29/94	4.1	2.9	3.54	3.8	2.4	3.10	5.2	3.1	4.09
05/30/94	4.6	2.7	3.69	4.5	2.2	3.38	5.2	3.1	4.31
05/31/94	5.2	3.1	4.16	4.7	2.7	3.75	5.6	3.6	4.66
06/01/94	5.7	3.4	4.58	5.0	2.7	4.05	6.1	3.6	4.99
06/02/94	5.9	3.4	4.73	5.8	2.9	4.33	7.1	3.6	5.37
06/03/94	6.5	4.6	5.50	6.1	4.0	4.97	7.5	4.9	6.11

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
06/04/94	6.1	4.8	5.45	5.6	4.0	4.76	6.7	4.9	5.73
06/05/94	5.9	4.8	5.46	5.2	4.0	4.65	6.3	4.7	5.58
06/06/94	5.5	4.6	5.07	4.9	3.8	4.31	5.8	4.5	5.10
06/07/94	5.5	4.8	5.13	5.0	4.1	4.49	6.0	4.7	5.31
06/08/94	6.1	4.3	5.07	5.2	3.6	4.42	6.5	4.3	5.48
06/09/94	6.1	4.5	5.26	6.0	3.6	4.78	7.3	4.5	5.96
06/10/94	6.3	4.5	5.53	6.3	3.8	5.12	7.5	4.7	6.29
06/11/94	6.6	5.5	6.09	6.3	4.9	5.52	7.3	6.0	6.68
06/12/94	5.9	4.8	5.52	5.4	4.1	4.91	6.5	5.0	5.98
06/13/94	5.7	4.6	5.07	5.2	4.1	4.59	6.1	5.0	5.30
06/14/94	4.8	4.1	4.50	4.5	3.4	4.01	5.0	4.7	4.93
06/15/94	5.5	3.9	4.85	5.6	3.4	4.59	6.9	4.7	5.57
06/16/94	5.9	4.6	5.22	5.8	4.1	4.98	6.9	5.4	6.13
06/17/94	6.6	4.6	5.65	6.9	4.1	5.48	7.5	5.2	6.41
06/18/94	6.6	4.8	5.87	7.3	4.5	5.84	8.0	5.6	6.83
06/19/94	7.2	5.4	6.18	7.5	5.0	6.27	8.6	6.1	7.33
06/20/94	7.4	5.4	6.40	7.8	5.2	6.53	8.8	6.3	7.56
06/21/94	8.0	5.5	6.83	8.6	5.4	7.03	9.4	6.5	8.06
06/22/94	8.7	6.5	7.69	9.6	6.5	8.04	10.4	7.5	9.00
06/23/94	9.3	7.4	8.39	10.0	7.5	8.78	10.9	8.6	9.86
06/24/94	9.9	8.0	8.90	10.7	8.0	9.26	11.3	9.2	10.32
06/25/94	9.9	8.0	8.91	10.4	7.8	9.25	11.3	9.0	10.30
06/26/94	9.3	7.8	8.60	9.6	7.8	8.83	10.9	9.2	10.08
06/27/94	8.3	7.4	7.87	8.6	7.5	7.87	10.0	8.8	9.07
06/28/94	7.8	6.8	7.43	7.8	6.9	7.49	8.8	8.0	8.53
06/29/94	8.3	6.8	7.49	8.2	6.9	7.61	9.0	8.0	8.56
06/30/94	7.6	6.8	7.33	7.8	6.9	7.41	8.8	8.2	8.56
07/01/94	7.8	7.0	7.38	7.8	7.1	7.48	8.6	8.2	8.46
07/02/94	7.8	7.0	7.33	8.0	7.1	7.51	8.8	8.0	8.39
07/03/94	8.3	7.0	7.61	8.8	7.1	7.83	9.4	8.2	8.83
07/04/94	7.8	6.8	7.39	8.2	6.9	7.52	9.2	8.4	8.79
07/05/94	8.7	6.8	7.88	9.2	7.1	8.20	9.6	8.4	8.99
07/06/94	8.7	7.8	8.25	9.0	7.8	8.49	9.8	9.0	9.48
07/07/94	9.3	7.6	8.35	9.6	7.7	8.58	11.3	9.2	10.07
07/08/94	8.7	7.0	7.84	8.4	6.9	7.80	10.0	8.4	9.21
07/09/94	8.2	6.8	7.55	8.4	6.9	7.60	9.2	8.2	8.70
07/10/94	8.9	7.0	7.90	9.0	7.1	8.06	10.9	8.2	9.51
07/11/94	9.3	7.4	8.36	9.6	7.5	8.57	11.1	8.6	9.89
07/12/94	10.3	8.2	9.13	10.9	8.6	9.63	12.1	9.6	10.90
07/13/94	10.7	8.2	9.25	10.7	8.6	9.69	12.6	9.8	11.27
07/14/94	10.3	8.5	9.43	10.9	9.0	9.86	12.6	10.2	11.37
07/15/94	10.5	8.3	9.52	10.9	8.8	9.82	12.8	10.0	11.33
07/16/94	10.5	8.9	9.68	10.7	9.2	9.94	12.1	10.4	11.16
07/17/94	9.9	8.7	9.41	10.0	9.0	9.54	11.1	10.0	10.68
07/18/94	10.9	8.9	9.78	10.7	8.8	9.72	11.9	10.0	10.79
07/19/94	11.8	8.9	10.24	11.7	8.8	10.18	13.3	9.6	11.33
07/20/94	12.2	9.1	10.70	12.4	9.6	10.97	13.7	10.7	12.18
07/21/94	12.2	9.9	10.98	12.4	10.2	11.29	13.9	11.5	12.69
07/22/94	12.0	8.7	10.41	12.1	9.0	10.60	13.7	10.7	12.19
07/23/94	12.4	9.1	10.74	12.6	9.4	10.97	13.7	10.9	12.30
07/24/94	13.1	9.9	11.46	13.7	10.4	11.98	14.6	11.7	13.12
07/25/94	12.4	10.7	11.62	13.0	11.3	12.12	13.9	12.4	13.18
07/26/94	12.9	10.9	11.89	13.5	11.1	12.19	14.9	12.4	13.50
07/27/94	13.1	10.5	11.76	13.0	10.7	11.85	14.9	12.1	13.45
07/28/94	13.3	10.3	11.78	13.5	10.4	11.85	14.4	11.9	13.24
07/29/94	13.1	11.4	12.10	12.8	11.3	12.06	14.2	12.6	13.36
07/30/94	12.4	10.7	11.57	12.1	10.4	11.28	13.5	12.1	12.78
07/31/94	11.6	9.5	10.71	11.1	9.2	10.23	12.4	10.9	11.78
08/01/94	12.2	9.3	10.67	11.9	9.0	10.33	13.0	10.7	11.76
08/02/94	13.1	10.1	11.50	13.0	9.8	11.22	13.9	11.3	12.54

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/03/94	13.5	10.9	12.25	13.7	10.9	12.07	14.6	11.9	13.25
08/04/94	14.0	11.8	12.72	13.7	11.7	12.54	14.6	12.8	13.63
08/05/94	12.6	11.6	12.06	12.4	11.1	11.75	13.5	12.1	12.65
08/06/94	11.6	10.9	11.29	11.5	10.7	10.98	12.1	11.3	11.51
08/07/94	12.6	10.7	11.41	12.1	10.2	11.10	13.0	10.7	11.78
08/08/94	12.6	10.7	11.50	12.4	10.0	11.13	13.0	10.7	11.91
08/09/94	11.6	10.5	11.00	11.1	10.0	10.70	11.7	10.9	11.33
08/10/94	12.2	10.1	11.07	11.9	9.4	10.47	13.0	10.2	11.47
08/11/94	12.4	9.9	11.21	12.3	9.6	10.93	13.3	10.7	11.90
08/12/94	12.9	10.7	11.73	12.7	10.8	11.68	13.7	11.7	12.58
08/13/94	12.9	10.7	11.82	13.0	10.8	11.85	14.2	11.7	12.84
08/14/94	12.9	11.2	12.07	13.0	11.0	12.02	13.9	11.9	12.92
08/15/94	12.6	10.9	11.75	12.5	10.8	11.61	13.7	11.7	12.68
08/16/94	12.2	10.1	11.09	11.9	9.8	10.83	13.3	10.7	11.98
08/17/94	12.2	9.9	11.07	12.1	9.6	10.87	13.5	10.9	12.10
08/18/94	12.4	10.1	11.28	12.3	10.0	11.21	13.7	11.1	12.36
08/19/94	12.9	10.3	11.47	12.7	10.2	11.43	13.9	11.1	12.53
08/20/94	12.4	10.7	11.60	12.3	10.8	11.55	13.5	11.7	12.65
08/21/94	12.0	10.3	11.20	11.9	10.0	10.90	13.3	11.1	12.05
08/22/94	11.4	10.1	10.72	11.3	9.8	10.43	12.6	11.1	11.79
08/23/94	10.3	9.1	9.72	10.0	8.6	9.30	11.1	9.6	10.47
08/24/94	10.7	8.7	9.58	10.0	8.1	8.96	11.1	8.8	9.95
08/25/94	10.7	8.3	9.32	9.8	7.7	8.72	11.3	8.4	9.87
08/26/94	10.3	8.0	9.02	9.8	7.3	8.53	11.1	8.2	9.77
08/27/94	10.5	8.0	9.13	10.2	7.7	8.83	11.5	8.4	9.99
08/28/94	10.7	8.3	9.39	10.2	8.1	9.20	11.7	8.8	10.32
08/29/94	11.4	8.9	9.91	10.8	8.6	9.62	11.9	9.4	10.60
08/30/94	11.2	9.5	10.17	10.6	9.2	9.87	11.9	9.8	10.87
08/31/94	11.2	9.7	10.22	10.8	9.4	9.98	11.7	10.2	10.97
09/01/94	10.1	8.9	9.55	10.0	8.4	9.19	10.7	9.4	10.13
09/02/94	9.7	8.5	9.08	9.2	8.1	8.67	9.8	8.8	9.41
09/03/94	9.7	8.3	8.88	9.2	7.9	8.45	10.2	8.8	9.43
09/04/94	8.7	7.6	8.22	8.6	6.9	7.86	9.2	7.8	8.68
09/05/94	9.3	8.2	8.73	9.0	7.7	8.34	9.6	8.4	9.03
09/06/94	9.3	8.7	9.00	9.0	8.3	8.59	9.6	9.0	9.32
09/07/94	9.1	8.0	8.66	8.8	7.3	8.22	9.4	8.2	8.99
09/08/94	8.9	8.5	8.64	8.4	8.1	8.23	9.2	8.8	8.91
09/09/94	9.1	8.0	8.40	8.4	7.7	8.03	9.0	8.2	8.59
09/10/94	8.7	7.4	7.99	8.3	6.9	7.62	8.6	7.5	8.11
09/11/94	8.2	7.0	7.63	7.9	6.6	7.19	8.4	7.1	7.74
09/12/94	8.2	7.4	7.78	7.9	6.9	7.33	8.4	7.5	7.88
09/13/94	9.3	8.0	8.37	8.8	7.7	8.11	9.4	8.0	8.65
09/14/94	8.3	7.4	8.02	8.3	7.1	7.78	9.0	7.8	8.47
09/15/94	9.1	7.8	8.52	8.8	7.5	8.15	9.8	8.2	8.97
09/16/94	9.9	8.7	9.19	9.8	8.4	9.00	10.9	9.0	9.80
09/17/94	9.3	8.2	8.78	9.2	8.1	8.75	9.8	8.6	9.28
09/18/94	8.7	7.6	8.30	9.0	7.5	8.30	9.6	8.0	8.80
09/19/94	8.9	7.8	8.33	8.6	7.7	8.24	9.4	8.0	8.78
09/20/94	7.6	6.5	7.06	7.3	5.8	6.60	7.8	6.5	7.40
09/21/94	7.8	6.3	7.15	7.7	6.0	6.83	8.4	6.7	7.49
09/22/94	8.9	7.6	8.24	9.4	7.3	8.29	9.2	7.7	8.36
09/23/94	8.7	7.6	8.31	8.8	7.7	8.52	9.2	8.4	8.88
09/24/94	8.5	7.4	7.94	9.0	7.7	8.22	9.8	8.2	8.86
09/25/94	8.7	7.8	8.27	8.6	7.7	8.23	9.4	8.2	8.88
09/26/94	7.9	7.0	7.50	7.7	6.6	7.22	8.2	7.3	7.85
09/27/94	7.8	6.8	7.33	7.8	6.5	7.12	8.4	7.1	7.83
09/28/94	6.6	5.1	5.82	6.3	5.0	5.72	6.9	5.6	6.29
09/29/94	5.3	4.2	4.90	5.6	4.1	4.86	5.8	4.7	5.33
09/30/94	5.3	5.0	5.15	5.4	4.9	5.13	5.6	5.2	5.49
10/01/94	5.5	4.4	4.89	5.0	4.3	4.71	5.8	4.9	5.23

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
10/02/94	4.8	3.7	4.18	4.5	3.4	3.91	5.0	4.0	4.42
10/03/94	4.1	3.0	3.54	4.1	2.7	3.43	4.5	3.3	3.88
10/04/94	4.2	2.8	3.60	4.5	2.9	3.64	4.7	3.3	3.97
10/05/94	4.8	3.9	4.27	4.9	4.0	4.30	5.0	4.0	4.46
10/06/94	5.1	4.1	4.48	5.2	4.0	4.47	5.2	4.1	4.58
10/07/94	4.6	3.7	4.29	4.7	3.3	4.05	4.9	3.6	4.35
10/08/94	5.3	4.4	4.83	5.6	4.3	4.78	5.4	4.5	4.87
10/09/94	4.8	3.9	4.42	4.7	3.6	4.23	4.9	4.0	4.55
10/10/94	3.9	2.8	3.21	3.4	2.6	3.04	3.8	2.9	3.35
10/11/94	2.7	2.0	2.38	2.9	1.7	2.30	2.9	2.1	2.55
10/12/94	2.8	1.6	2.28	2.9	1.5	2.25	3.1	1.9	2.50
10/13/94	3.4	2.3	2.80	3.4	2.2	2.86	3.6	2.6	3.12
10/14/94	3.4	3.2	3.28	3.4	3.1	3.32	3.8	3.4	3.55
10/15/94	3.2	2.5	2.91	3.4	2.4	2.85	3.8	3.1	3.43
10/16/94	3.5	3.0	3.31	3.4	2.9	3.24	3.8	3.4	3.56
10/17/94	3.7	3.0	3.45	3.8	2.9	3.31	3.8	2.9	3.35
10/18/94	3.5	2.8	3.14	3.4	2.7	2.98	3.6	2.9	3.24
10/19/94	3.4	3.0	3.18	3.6	2.9	3.20	3.8	3.1	3.40
10/20/94	3.5	2.8	3.29	3.6	2.9	3.23	3.8	3.3	3.51
10/21/94	3.0	2.2	2.64	2.7	2.1	2.55	3.3	2.6	2.95
10/22/94	2.5	1.6	2.12	2.4	1.4	1.93	2.7	1.9	2.39
10/23/94	2.3	1.6	2.05	2.1	1.4	1.80	2.4	1.9	2.24
10/24/94	2.8	2.2	2.49	2.6	1.9	2.27	2.9	2.4	2.57
10/25/94	3.4	2.8	3.18	3.1	2.6	2.90	3.3	2.9	3.05
10/26/94	3.2	2.7	2.97	3.1	2.4	2.76	2.9	2.4	2.75
10/27/94	2.8	2.3	2.63	2.6	2.1	2.25	2.6	2.1	2.35
10/28/94	2.5	1.8	2.16	1.9	1.2	1.62	2.1	1.5	1.85
10/29/94	1.8	1.1	1.50	1.2	0.5	0.90	1.4	0.7	1.05
10/30/94	1.6	1.0	1.46	1.0	0.5	0.84	1.0	0.7	0.89
10/31/94	1.5	0.8	1.14	1.0	0.4	0.67	1.0	0.5	0.77
11/01/94	1.1	1.0	1.05	0.9	0.5	0.63	1.0	0.5	0.78
11/02/94	0.8	0.0	0.13	0.4	0.0	0.06	0.5	0.0	0.35
11/03/94	0.3	0.0	0.10	0.2	0.0	0.06	0.5	0.2	0.36
11/04/94	0.8	0.3	0.50	0.5	0.0	0.22	0.7	0.4	0.50
11/05/94	0.6	0.3	0.54	0.5	0.0	0.24	0.7	0.4	0.50
11/06/94	1.0	0.5	0.75	0.7	0.4	0.49	0.9	0.5	0.63
11/07/94	0.8	0.3	0.53	0.5	0.2	0.38	0.7	0.4	0.52
11/08/94	1.1	0.3	0.80	1.0	0.2	0.60	0.9	0.4	0.68
11/09/94	1.3	0.8	1.15	1.2	0.5	0.99	1.0	0.7	0.88
11/10/94	1.3	0.8	1.03	1.2	0.5	0.87	0.9	0.5	0.79
11/11/94	1.3	0.6	1.18	1.2	0.4	1.03	1.2	0.5	0.98
11/12/94	0.5	0.0	0.14	0.4	0.0	0.18	0.7	0.2	0.48
11/13/94	0.6	0.1	0.35	0.5	0.0	0.32	0.7	0.4	0.57
11/14/94	0.6	0.0	0.24	0.5	0.0	0.27	0.7	0.4	0.53
11/15/94	0.1	0.0	0.05	0.4	0.0	0.09	0.5	0.2	0.41
11/16/94	0.1	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.31
11/17/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
11/18/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04
11/19/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.19
11/20/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.05
11/21/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
11/22/94	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.31
11/23/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.15
11/24/94	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.39
11/25/94	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.4	0.43
11/26/94	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.33
11/27/94	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.35
11/28/94	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.0	0.26
11/29/94	0.0	0.0	0.00	0.4	0.0	0.15	0.7	0.4	0.51
11/30/94	0.0	0.0	0.00	0.4	0.0	0.20	0.5	0.2	0.44

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
12/01/94	0.0	0.0	0.00	0.4	0.0	0.18	0.4	0.0	0.29
12/02/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/03/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/04/94	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/05/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04
12/06/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.16
12/07/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/08/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/09/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/10/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/11/94	0.0	0.0	0.00	0.2	0.0	0.08	0.5	0.2	0.41
12/12/94	0.1	0.0	0.04	0.4	0.2	0.28	0.5	0.5	0.50
12/13/94	0.1	0.1	0.10	0.4	0.4	0.40	0.5	0.5	0.50
12/14/94	0.1	0.1	0.10	0.4	0.4	0.40	0.5	0.4	0.50
12/15/94	0.1	0.1	0.10	0.4	0.2	0.38	0.5	0.4	0.46
12/16/94	0.1	0.1	0.10	0.5	0.4	0.44	0.5	0.4	0.49
12/17/94	0.1	0.0	0.08	0.5	0.0	0.37	0.5	0.0	0.43
12/18/94	0.3	0.1	0.20	0.7	0.2	0.50	0.7	0.4	0.58
12/19/94	0.3	0.1	0.21	0.7	0.5	0.62	0.7	0.5	0.68
12/20/94	0.3	0.1	0.18	0.7	0.4	0.55	0.7	0.5	0.62
12/21/94	0.3	0.1	0.22	0.7	0.4	0.58	0.7	0.5	0.60
12/22/94	0.5	0.3	0.31	0.9	0.7	0.73	0.7	0.7	0.70
12/23/94	0.5	0.1	0.38	0.9	0.7	0.78	0.9	0.5	0.77
12/24/94	0.5	0.1	0.31	0.9	0.5	0.63	0.9	0.5	0.68
12/25/94	0.3	0.1	0.12	0.5	0.2	0.41	0.7	0.4	0.52
12/26/94	0.3	0.0	0.16	0.7	0.0	0.42	0.7	0.2	0.48
12/27/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
12/28/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
12/29/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
12/30/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/31/94	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/01/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.18
01/02/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.07
01/03/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/04/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/05/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/06/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/07/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/08/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/09/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/10/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/11/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/12/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.07
01/13/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/14/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/15/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/16/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.21
01/17/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/18/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.27
01/19/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.28
01/20/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.38
01/21/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.19
01/22/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.06
01/23/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
01/24/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/25/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/26/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08
01/27/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/28/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/29/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
01/30/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/31/95	0.0	0.0	0.00	0.2	0.0	0.11	0.4	0.2	0.31
02/01/95	0.0	0.0	0.00	0.2	0.2	0.20	0.4	0.2	0.38
02/02/95	0.0	0.0	0.00	0.2	0.2	0.20	0.4	0.2	0.32
02/03/95	0.0	0.0	0.00	0.2	0.2	0.20	0.5	0.4	0.43
02/04/95	0.0	0.0	0.00	0.2	0.2	0.20	0.4	0.2	0.29
02/05/95	0.0	0.0	0.00	0.2	0.2	0.20	0.4	0.2	0.25
02/06/95	0.0	0.0	0.00	0.4	0.2	0.22	0.5	0.2	0.37
02/07/95	0.0	0.0	0.00	0.4	0.2	0.32	0.5	0.4	0.45
02/08/95	0.1	0.0	0.04	0.4	0.2	0.34	0.5	0.4	0.44
02/09/95	0.1	0.0	0.01	0.4	0.2	0.24	0.4	0.2	0.27
02/10/95	0.0	0.0	0.00	0.2	0.2	0.20	0.2	0.2	0.20
02/11/95	0.0	0.0	0.00	0.2	0.0	0.15	0.2	0.0	0.09
02/12/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/13/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/14/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/15/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/16/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/17/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/18/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/19/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/20/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.01
02/21/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
02/22/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.10
02/23/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.16
02/24/95	0.0	0.0	0.00	0.2	0.0	0.04	0.4	0.2	0.28
02/25/95	0.0	0.0	0.00	0.2	0.0	0.08	0.4	0.0	0.20
02/26/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/27/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
02/28/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/01/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/02/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.03
03/03/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/04/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/05/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/06/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/07/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/08/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/09/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/10/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/11/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
03/12/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.05
03/13/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.15
03/14/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.18
03/15/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.25
03/16/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.29
03/17/95	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.2	0.44
03/18/95	0.1	0.0	0.01	0.2	0.0	0.14	0.9	0.4	0.55
03/19/95	0.1	0.0	0.01	0.2	0.2	0.20	1.0	0.2	0.52
03/20/95	0.0	0.0	0.00	0.2	0.0	0.08	0.4	0.0	0.22
03/21/95	0.0	0.0	0.00	0.4	0.2	0.27	0.7	0.2	0.49
03/22/95	0.1	0.0	0.00	0.4	0.2	0.34	0.7	0.4	0.53
03/23/95	0.1	0.0	0.01	0.4	0.4	0.40	0.7	0.4	0.49
03/24/95	0.1	0.0	0.03	0.4	0.2	0.26	0.7	0.0	0.35
03/25/95	0.1	0.0	0.02	0.2	0.0	0.10	0.5	0.0	0.22
03/26/95	0.1	0.0	0.03	0.5	0.2	0.37	1.2	0.4	0.68
03/27/95	0.1	0.0	0.03	0.5	0.4	0.44	1.4	0.5	0.84
03/28/95	0.1	0.0	0.02	0.7	0.2	0.45	1.4	0.5	0.85
03/29/95	0.1	0.0	0.03	0.7	0.2	0.45	1.5	0.4	0.83
03/30/95	0.3	0.0	0.05	0.7	0.2	0.45	1.5	0.4	0.83

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
03/31/95	0.1	0.0	0.03	0.5	0.2	0.39	1.2	0.5	0.78
04/01/95	0.3	0.0	0.04	0.9	0.2	0.48	1.7	0.4	0.82
04/02/95	0.1	0.0	0.01	0.7	0.4	0.54	1.0	0.5	0.73
04/03/95	0.1	0.0	0.03	0.9	0.4	0.55	1.4	0.5	0.85
04/04/95	0.1	0.0	0.02	0.9	0.2	0.44	1.4	0.4	0.76
04/05/95	0.1	0.0	0.04	0.9	0.0	0.48	1.4	0.2	0.71
04/06/95	0.3	0.0	0.06	1.2	0.2	0.59	1.0	0.2	0.61
04/07/95	0.1	0.0	0.08	0.7	0.5	0.58	0.9	0.5	0.66
04/08/95	0.3	0.0	0.07	1.2	0.4	0.73	1.4	0.5	0.89
04/09/95	0.5	0.0	0.13	1.4	0.4	0.82	1.5	0.4	0.83
04/10/95	0.5	0.0	0.12	1.2	0.2	0.65	1.0	0.2	0.60
04/11/95	0.6	0.0	0.21	1.5	0.4	0.83	1.7	0.4	0.83
04/12/95	0.8	0.0	0.28	1.7	0.2	0.79	1.7	0.2	0.83
04/13/95	0.1	0.0	0.09	0.7	0.4	0.47	0.7	0.4	0.53
04/14/95	0.5	0.1	0.19	1.0	0.4	0.73	1.2	0.5	0.72
04/15/95	0.8	0.1	0.36	1.5	0.5	0.92	1.5	0.5	0.86
04/16/95	1.3	0.0	0.43	1.9	0.2	0.93	1.9	0.2	0.90
04/17/95	0.8	0.3	0.44	1.5	0.7	1.03	1.4	0.5	0.90
04/18/95	1.5	0.1	0.55	1.7	0.4	0.98	1.5	0.4	0.85
04/19/95	1.3	0.1	0.49	1.7	0.4	0.95	1.5	0.4	0.90
04/20/95	1.8	0.3	0.71	2.4	0.7	1.28	2.4	0.5	1.18
04/21/95	2.0	0.1	0.65	2.1	0.4	1.09	1.7	0.4	0.96
04/22/95	1.8	0.1	0.59	2.6	0.4	1.17	2.2	0.4	1.08
04/23/95	1.1	0.0	0.40	2.2	0.5	1.10	2.1	0.5	1.14
04/24/95	1.0	0.0	0.24	1.9	0.4	1.00	1.7	0.4	0.95
04/25/95	1.0	0.0	0.30	2.2	0.4	1.12	2.1	0.4	1.00
04/26/95	1.5	0.1	0.51	2.9	0.7	1.39	2.1	0.5	1.20
04/27/95	1.6	0.1	0.60	2.9	0.5	1.35	2.7	0.5	1.38
04/28/95	1.8	0.1	0.66	3.1	0.5	1.44	3.3	0.5	1.53
04/29/95	1.2	0.2	0.50	1.7	0.7	1.21	1.9	0.7	1.28
04/30/95	1.7	0.2	0.79	2.6	0.9	1.64	2.7	0.9	1.77
05/01/95	2.4	0.2	1.07	3.4	0.7	1.85	4.0	0.9	2.11
05/02/95	2.2	0.5	1.39	2.9	1.0	1.89	3.1	1.0	2.10
05/03/95	2.2	0.7	1.39	2.9	0.9	1.85	2.9	1.0	1.91
05/04/95	2.4	0.5	1.44	3.1	0.9	1.83	3.6	1.0	2.20
05/05/95	2.9	0.5	1.65	3.8	0.9	2.13	4.0	1.0	2.43
05/06/95	3.4	0.9	1.89	4.5	1.0	2.44	4.9	1.4	2.78
05/07/95	3.1	0.7	1.75	4.3	1.0	2.37	4.7	1.2	2.62
05/08/95	3.1	0.7	1.69	4.3	1.0	2.35	4.7	1.2	2.61
05/09/95	3.3	0.9	1.86	4.3	1.2	2.36	4.7	1.4	2.69
05/10/95	2.7	1.2	1.82	3.4	1.4	2.20	3.8	1.7	2.49
05/11/95	2.1	1.4	1.68	2.4	1.5	1.95	2.7	1.7	2.24
05/12/95	2.7	1.0	1.85	3.8	1.5	2.38	4.1	1.7	2.58
05/13/95	3.4	1.5	2.48	4.3	1.5	2.69	4.9	1.7	2.98
05/14/95	3.6	2.2	2.82	4.3	2.4	2.96	4.3	2.4	3.03
05/15/95	3.6	2.1	2.84	4.3	2.1	2.95	4.9	2.1	3.19
05/16/95	3.6	2.4	3.05	4.1	2.2	3.01	4.9	2.4	3.49
05/17/95	3.3	2.2	2.75	3.6	2.1	2.70	4.1	2.4	3.19
05/18/95	3.1	1.9	2.62	3.4	1.7	2.65	4.5	2.2	3.28
05/19/95	3.8	2.2	2.98	4.0	2.1	2.95	5.0	2.6	3.62
05/20/95	4.5	2.2	3.25	4.9	2.1	3.34	5.8	2.6	4.01
05/21/95	4.9	2.2	3.62	5.4	2.1	3.66	6.3	2.6	4.33
05/22/95	5.2	2.7	4.05	5.6	2.4	3.96	6.5	2.9	4.64
05/23/95	5.6	3.3	4.46	5.8	2.9	4.25	6.7	3.3	4.86
05/24/95	5.4	3.4	4.48	5.6	2.9	4.13	6.3	3.3	4.68
05/25/95	5.8	3.6	4.70	6.0	2.9	4.29	6.5	3.3	4.80
05/26/95	6.3	3.6	5.00	6.3	3.1	4.53	7.1	3.4	5.11
05/27/95	6.1	4.1	5.09	6.0	3.4	4.45	7.1	3.8	5.20
05/28/95	6.0	4.0	5.07	5.8	3.3	4.42	6.7	3.8	5.22
05/29/95	5.8	4.3	5.11	5.8	3.6	4.58	6.9	4.5	5.59

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
05/30/95	5.2	4.1	4.77	4.9	3.4	4.18	6.0	4.3	5.20
05/31/95	5.0	3.4	4.44	5.0	2.9	4.11	5.8	3.8	4.97
06/01/95	6.0	4.1	5.15	6.0	3.4	4.75	6.9	4.3	5.69
06/02/95	6.7	4.7	5.56	6.3	4.0	5.13	7.3	4.9	6.10
06/03/95	6.9	4.0	5.56	7.1	3.6	5.37	8.0	4.3	6.28
06/04/95	6.5	5.8	6.10	6.3	5.2	5.75	7.1	6.1	6.63
06/05/95	5.8	5.2	5.58	5.6	4.9	5.20	6.3	5.6	5.96
06/06/95	6.3	4.3	5.38	6.5	3.8	5.14	7.3	4.5	5.94
06/07/95	7.1	5.4	6.28	7.1	4.9	6.08	8.2	6.0	7.08
06/08/95	7.7	5.8	6.76	7.5	5.2	6.44	8.8	6.1	7.57
06/09/95	8.6	5.8	7.25	9.0	5.4	7.12	10.0	6.3	8.22
06/10/95	8.8	6.5	7.78	9.0	6.1	7.65	10.2	7.3	8.79
06/11/95	7.8	7.1	7.60	7.8	6.9	7.45	9.2	7.8	8.48
06/12/95	7.1	6.1	6.69	7.1	5.6	6.44	7.7	6.3	7.23
06/13/95	6.7	5.4	6.13	6.7	5.0	6.02	7.3	5.8	6.62
06/14/95	6.7	5.8	6.23	6.7	5.6	6.23	7.5	6.0	6.78
06/15/95	6.5	6.0	6.25	6.3	6.0	6.18	7.1	6.5	6.86
06/16/95	7.8	5.8	6.76	7.8	5.6	6.78	8.6	6.0	7.42
06/17/95	8.2	6.5	7.34	8.8	6.9	7.70	9.6	7.5	8.41
06/18/95	8.6	6.3	7.50	9.4	6.3	7.91	10.4	7.1	8.68
06/19/95	9.4	7.3	8.30	9.8	7.8	8.83	10.9	8.4	9.63
06/20/95	10.4	7.8	9.05	11.1	8.2	9.80	12.4	9.0	10.60
06/21/95	10.2	8.6	9.21	10.9	9.2	10.02	12.4	10.0	11.02
06/22/95	10.2	8.0	9.14	11.1	8.6	9.80	11.7	9.2	10.52
06/23/95	9.8	8.0	8.89	10.0	8.2	9.10	11.1	9.0	9.98
06/24/95	8.8	7.8	8.42	9.0	7.8	8.44	10.0	8.8	9.28
06/25/95	8.0	6.9	7.42	8.2	6.9	7.68	9.2	7.8	8.50
06/26/95	9.2	6.1	7.46	9.4	6.1	7.83	10.7	6.7	8.65
06/27/95	10.2	6.9	8.46	10.7	7.3	9.00	11.9	7.7	9.70
06/28/95	11.1	7.7	9.28	11.5	8.4	9.98	12.8	8.8	10.76
06/29/95	11.5	8.0	9.78	12.1	9.0	10.58	13.3	9.4	11.36
06/30/95	11.5	9.0	10.22	11.9	9.8	10.97	13.0	10.2	11.73
07/01/95	10.4	9.4	9.95	11.1	10.0	10.64	11.7	10.4	11.18
07/02/95	10.2	9.2	9.69	10.9	9.8	10.31	11.5	10.2	10.89
07/03/95	9.8	9.0	9.42	10.4	9.6	9.98	11.3	10.0	10.69
07/04/95	10.9	8.6	9.56	11.1	9.2	10.02	10.9	9.6	10.40
07/05/95	10.4	8.8	9.44	10.7	9.2	9.86	11.7	9.4	10.30
07/06/95	9.8	8.4	9.14	10.2	8.6	9.55	11.1	9.2	10.08
07/07/95	10.2	8.2	9.17	10.4	8.4	9.54	11.5	8.8	10.23
07/08/95	9.6	8.4	9.18	10.0	8.8	9.55	10.9	9.2	10.16
07/09/95	11.1	8.6	9.79	11.5	8.8	10.23	12.6	9.4	10.95
07/10/95	10.0	9.2	9.58	10.4	9.8	10.22	11.3	9.6	10.39
07/11/95	9.0	8.4	8.74	9.6	8.8	9.29	9.6	8.8	9.28
07/12/95	9.4	8.0	8.75	10.0	8.4	9.21	10.7	8.8	9.63
07/13/95	9.0	8.2	8.68	9.4	8.4	9.03	9.8	8.8	9.45
07/14/95	9.4	8.0	8.77	10.0	8.2	9.15	10.7	8.8	9.72
07/15/95	9.8	8.0	8.93	10.0	8.0	9.18	10.7	8.4	9.64
07/16/95	10.0	8.2	9.20	10.7	8.6	9.66	11.5	8.8	10.23
07/17/95	10.4	8.8	9.47	11.3	9.4	10.28	11.9	9.8	10.83
07/18/95	11.1	8.8	9.83	11.9	9.2	10.48	12.8	9.6	11.20
07/19/95	11.5	8.8	10.24	12.1	9.4	10.91	13.0	9.8	11.60
07/20/95	11.9	10.0	10.80	12.8	10.9	11.67	13.7	11.3	12.48
07/21/95	11.7	9.4	10.71	12.6	10.2	11.50	13.7	11.1	12.48
07/22/95	12.1	9.8	10.93	12.8	10.4	11.66	13.5	11.1	12.40
07/23/95	11.5	10.0	10.78	11.5	10.4	10.99	12.4	11.1	11.75
07/24/95	10.2	9.4	9.75	10.4	9.4	9.96	11.3	10.0	10.74
07/25/95	11.3	9.2	10.13	11.5	9.4	10.35	12.1	10.0	11.03
07/26/95	11.1	9.4	10.08	11.5	9.8	10.48	12.6	10.4	11.35
07/27/95	10.2	8.4	9.27	10.4	8.6	9.48	11.3	9.2	10.21
07/28/95	9.8	7.7	8.78	9.8	7.7	8.82	11.3	8.6	9.91

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
07/29/95	10.8	8.4	9.41	10.9	8.4	9.49	12.1	9.2	10.48
07/30/95	9.4	8.8	9.12	9.4	8.8	9.12	10.2	9.4	9.87
07/31/95	11.0	9.0	9.99	10.2	8.6	9.38	10.9	9.0	9.97
08/01/95	11.5	8.8	10.14	10.7	8.2	9.37	12.1	9.0	10.38
08/02/95	9.8	8.4	9.25	9.2	8.2	8.88	10.2	9.0	9.73
08/03/95	10.6	9.2	9.96	10.7	9.0	9.85	11.5	9.6	10.51
08/04/95	11.5	10.0	10.68	11.5	10.0	10.73	12.4	10.7	11.46
08/05/95	10.6	9.2	9.83	10.4	9.2	9.85	11.5	10.0	10.80
08/06/95	10.8	8.3	9.25	10.2	7.8	8.98	10.4	8.6	9.61
08/07/95	10.2	8.3	9.22	10.2	8.0	9.10	11.1	8.8	9.81
08/08/95	10.4	8.3	9.29	10.9	8.2	9.33	12.1	9.0	10.38
08/09/95	11.0	8.1	9.46	10.7	7.8	9.26	11.7	9.0	10.33
08/10/95	10.4	8.6	9.61	10.4	8.6	9.52	11.1	9.4	10.38
08/11/95	10.8	9.2	9.84	10.4	9.2	9.68	11.3	9.8	10.48
08/12/95	11.0	8.6	9.79	11.1	8.4	9.67	11.3	9.0	10.25
08/13/95	10.2	9.2	9.74	10.2	9.0	9.59	10.7	9.2	10.00
08/14/95	9.6	8.8	9.35	9.4	8.6	9.21	10.0	9.2	9.81
08/15/95	9.2	7.5	8.42	9.0	7.1	8.10	9.4	7.7	8.65
08/16/95	9.2	7.7	8.46	9.0	7.3	8.17	9.0	7.7	8.43
08/17/95	9.4	7.9	8.66	9.2	7.7	8.38	9.6	8.0	8.83
08/18/95	9.0	8.3	8.63	8.8	8.0	8.45	9.6	8.4	9.06
08/19/95	9.6	8.3	8.87	9.4	8.2	8.71	10.0	8.8	9.31
08/20/95	10.2	8.1	8.99	9.6	8.0	8.82	10.7	8.6	9.62
08/21/95	9.4	8.6	8.95	9.2	8.6	8.82	9.8	9.2	9.48
08/22/95	9.0	8.3	8.57	8.8	8.4	8.62	9.2	8.6	9.02
08/23/95	8.4	7.3	7.95	8.4	7.3	7.96	8.8	7.8	8.38
08/24/95	8.6	7.5	8.03	8.6	7.1	7.90	9.0	7.3	8.15
08/25/95	8.4	7.3	7.98	8.6	7.3	8.01	9.0	7.7	8.46
08/26/95	7.9	6.7	7.33	7.8	6.9	7.43	8.4	7.1	7.90
08/27/95	8.1	6.6	7.37	8.4	6.9	7.61	9.0	7.3	8.11
08/28/95	7.7	6.0	6.88	7.8	6.3	7.16	8.4	6.9	7.66
08/29/95	7.7	6.0	6.99	8.2	6.3	7.23	8.6	6.7	7.74
08/30/95	8.1	6.2	7.14	8.2	6.3	7.35	9.0	6.7	7.85
08/31/95	8.3	6.6	7.45	8.4	6.5	7.60	8.8	6.9	7.95
09/01/95	8.6	6.9	7.82	8.6	6.7	7.80	9.0	7.3	8.26
09/02/95	9.2	7.9	8.66	9.4	8.0	8.72	9.6	8.4	9.02
09/03/95	9.4	7.5	8.46	9.2	7.8	8.51	10.0	8.2	9.14
09/04/95	9.2	7.1	8.21	9.2	7.3	8.31	10.0	8.0	9.95
09/05/95	9.6	8.1	8.76	10.2	8.0	9.00	10.4	8.6	9.43
09/06/95	9.4	7.9	8.73	9.6	8.0	8.85	10.4	8.6	9.53
09/07/95	9.6	7.9	8.67	9.8	8.0	8.87	10.7	8.6	9.53
09/08/95	9.4	7.5	8.46	9.4	7.8	8.67	10.4	8.4	9.38
09/09/95	9.4	7.5	8.55	9.8	8.0	8.92	10.4	8.6	9.47
09/10/95	9.8	8.4	8.98	10.0	8.8	9.33	10.4	9.4	9.79
09/11/95	10.4	9.0	9.64	10.7	9.2	9.85	10.9	9.6	10.20
09/12/95	10.0	8.6	9.23	10.2	8.6	9.33	10.7	9.6	10.07
09/13/95	9.0	7.3	8.23	9.0	7.5	8.25	9.6	8.2	9.03
09/14/95	9.6	7.7	8.37	9.2	7.7	8.37	10.0	8.2	9.07
09/15/95	8.8	7.3	8.05	9.0	7.5	8.18	9.6	8.0	8.78
09/16/95	8.1	6.4	7.25	8.2	6.5	7.43	9.0	7.5	8.27
09/17/95	8.1	6.2	7.15	8.2	6.3	7.30	8.4	7.3	7.93
09/18/95	7.5	5.8	6.63	7.3	5.6	6.66	8.0	7.1	7.65
09/19/95	6.2	4.2	5.10	6.0	4.3	5.08	7.1	5.6	6.39
09/20/95	5.6	3.5	4.57	5.8	3.6	4.71	6.5	4.9	5.78
09/21/95	5.5	3.5	4.48	5.8	3.8	4.77	6.7	4.9	5.64
09/22/95	6.0	4.0	4.90	6.3	4.3	5.26	7.1	4.7	5.81
09/23/95	6.7	4.6	5.48	7.1	5.0	5.97	7.7	5.2	6.39
09/24/95	7.3	5.3	6.05	7.7	5.6	6.51	8.0	5.6	6.78
09/25/95	7.1	5.4	6.13	7.5	5.8	6.65	7.8	5.8	6.86
09/26/95	7.3	5.8	6.50	7.7	6.0	6.79	8.2	6.1	7.10

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
09/27/95	7.7	6.9	7.15	7.8	6.9	7.33	8.0	7.1	7.47
09/28/95	7.1	6.0	6.58	7.3	6.1	6.69	7.5	6.5	6.98
09/29/95	7.3	6.1	6.69	7.5	6.0	6.65	7.8	6.1	7.01
09/30/95	6.7	6.0	6.49	6.7	5.6	6.37	7.3	6.3	6.98
10/01/95	5.8	4.7	5.46	5.8	4.3	5.18	6.1	4.9	5.71
10/02/95	6.3	5.4	5.90	6.1	5.2	5.65	6.7	5.6	6.20
10/03/95	5.8	4.7	5.17	5.6	4.3	4.85	6.1	4.7	5.37
10/04/95	5.2	4.1	4.67	5.2	4.0	4.50	5.8	4.3	5.00
10/05/95	5.0	4.9	4.95	4.9	4.5	4.77	5.6	5.0	5.23
10/06/95	5.8	4.9	5.25	5.4	4.5	4.95	6.0	5.0	5.44
10/07/95	5.4	4.9	5.10	5.2	4.5	4.82	5.6	5.0	5.34
10/08/95	5.2	4.3	4.90	5.0	4.0	4.65	5.6	4.5	5.09
10/09/95	5.2	4.5	4.88	4.9	4.1	4.61	5.6	4.7	5.08
10/10/95	4.9	3.8	4.36	4.9	3.6	4.14	5.4	4.3	4.75
10/11/95	4.3	3.3	3.90	4.5	3.3	3.88	5.0	4.0	4.51
10/12/95	3.8	3.1	3.47	3.8	3.1	3.44	4.5	3.6	4.07
10/13/95	4.7	3.6	4.11	4.7	3.4	3.86	5.2	4.0	4.50
10/14/95	5.0	4.1	4.67	4.9	3.8	4.29	5.4	4.3	4.87
10/15/95	4.0	3.3	3.58	3.6	2.9	3.31	4.1	3.4	3.76
10/16/95	3.6	3.1	3.33	3.3	2.6	2.91	4.0	3.1	3.47
10/17/95	3.1	2.1	2.65	2.7	1.5	2.20	3.3	2.2	2.84
10/18/95	3.3	2.6	2.83	2.9	2.1	2.39	3.4	2.6	2.90
10/19/95	2.9	2.4	2.70	2.7	2.1	2.39	3.3	2.7	2.94
10/20/95	3.4	2.6	2.99	3.3	2.2	2.74	3.8	2.7	3.25
10/21/95	2.9	2.1	2.44	2.7	1.7	2.19	3.3	2.2	2.73
10/22/95	2.2	1.5	1.91	1.9	1.4	1.69	2.6	1.9	2.21
10/23/95	2.9	2.2	2.58	2.7	1.9	2.38	3.3	2.6	2.85
10/24/95	3.1	2.2	2.67	2.9	1.9	2.40	3.3	2.2	2.85
10/25/95	3.1	2.7	2.87	2.7	2.4	2.64	3.3	3.1	3.18
10/26/95	2.9	2.1	2.45	2.4	1.7	2.08	2.9	2.2	2.65
10/27/95	2.2	1.5	1.97	2.1	1.2	1.61	2.4	1.7	2.07
10/28/95	1.9	1.2	1.48	1.5	0.7	1.10	1.9	1.2	1.55
10/29/95	1.0	0.4	0.70	0.9	0.2	0.54	1.4	0.7	1.02
10/30/95	0.7	0.0	0.39	0.9	0.0	0.41	1.4	0.4	0.90
10/31/95	0.4	0.0	0.11	0.2	0.0	0.05	0.9	0.2	0.50
11/01/95	0.2	0.0	0.04	0.0	0.0	0.00	0.5	0.2	0.43
11/02/95	0.2	0.0	0.06	0.2	0.0	0.05	0.9	0.4	0.57
11/03/95	0.4	0.0	0.14	0.5	0.0	0.18	1.2	0.4	0.70
11/04/95	0.4	0.0	0.30	0.7	0.0	0.49	1.4	0.5	1.11
11/05/95	0.9	0.4	0.64	0.9	0.4	0.68	1.4	0.7	1.08
11/06/95	0.5	0.0	0.15	0.4	0.0	0.10	0.7	0.4	0.55
11/07/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.40
11/08/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.22
11/09/95	0.0	0.0	0.00	0.0	0.0	0.00	1.9	0.0	0.70
11/10/95	0.0	0.0	0.00	0.0	0.0	0.00	3.6	1.7	2.88
11/11/95	0.0	0.0	0.00	0.0	0.0	0.00	3.8	3.6	3.66
11/12/95	0.0	0.0	0.00	0.0	0.0	0.00	4.0	3.6	3.73
11/13/95	0.0	0.0	0.00	0.0	0.0	0.00	3.8	3.6	3.68
11/14/95	0.0	0.0	0.00	0.0	0.0	0.00	3.8	3.6	3.74
11/15/95	0.0	0.0	0.00	0.0	0.0	0.00	3.8	3.8	3.80
11/16/95	0.2	0.0	0.01	0.5	0.0	0.26	4.0	3.8	3.87
11/17/95	0.2	0.2	0.20	0.7	0.4	0.62	4.0	4.0	4.00
11/18/95	0.4	0.2	0.26	0.7	0.4	0.50	4.0	2.9	3.27
11/19/95	0.2	0.0	0.19	0.4	0.2	0.31	2.9	2.7	2.73
11/20/95	0.2	0.0	0.12	0.5	0.0	0.24	2.7	2.6	2.62
11/21/95	0.4	0.0	0.18	0.5	0.0	0.37	2.7	2.6	2.63
11/22/95	0.5	0.2	0.40	0.9	0.4	0.67	2.9	2.6	2.72
11/23/95	0.5	0.2	0.43	0.7	0.2	0.61	2.7	2.4	2.64
11/24/95	0.5	0.4	0.50	0.9	0.7	0.84	2.7	2.6	2.69
11/25/95	0.7	0.4	0.60	1.0	0.7	0.89	2.7	2.6	2.70

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
11/26/95	0.7	0.4	0.55	0.9	0.5	0.82	2.7	2.6	2.64
11/27/95	0.4	0.2	0.24	0.5	0.2	0.33	2.6	2.2	2.35
11/28/95	0.2	0.0	0.01	0.2	0.0	0.03	2.4	1.7	2.10
11/29/95	0.0	0.0	0.00	0.0	0.0	0.00	1.7	0.2	0.81
11/30/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/01/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.21
12/02/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.23
12/03/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.38
12/04/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.17
12/05/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.14
12/06/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/07/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/08/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/09/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.09
12/10/95	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
12/11/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.14
12/12/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/13/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/14/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/15/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/16/95	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
12/17/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.24
12/18/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.42
12/19/95	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.5	0.55
12/20/95	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.5	0.66
12/21/95	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.4	0.63
12/22/95	0.0	0.0	0.00	0.0	0.0	0.00	0.9	0.5	0.73
12/23/95	0.0	0.0	0.00	0.2	0.0	0.08	0.9	0.7	0.89
12/24/95	0.0	0.0	0.00	0.2	0.0	0.08	0.7	0.4	0.59
12/25/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.4	0.43
12/26/95	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.4	0.40
12/27/95	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.4	0.45
12/28/95	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.5	0.56
12/29/95	0.0	0.0	0.00	0.4	0.0	0.23	0.7	0.5	0.68
12/30/95	0.0	0.0	0.00	0.4	0.2	0.34	0.9	0.7	0.78
12/31/95	0.0	0.0	0.00	0.4	0.2	0.29	0.7	0.5	0.62
01/01/96	0.0	0.0	0.00	0.2	0.0	0.08	0.5	0.2	0.33
01/02/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.23
01/03/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.24
01/04/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.16
01/05/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/06/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.24
01/07/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/08/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/09/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/10/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.24
01/11/96	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.42
01/12/96	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.5	0.68
01/13/96	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.2	0.34
01/14/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/15/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/16/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/17/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/18/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/19/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/20/96	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00
01/21/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.07
01/22/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.16
01/23/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.15
01/24/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.04

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
01/25/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
01/26/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.14
01/27/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.19
01/28/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/29/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/30/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
01/31/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/01/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/02/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/03/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/04/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/05/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/06/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/07/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/08/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/09/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/10/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/11/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/12/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/13/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/14/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/15/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.22
02/16/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.37
02/17/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.4	0.40
02/18/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.4	0.40
02/19/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.30
02/20/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.4	0.40
02/21/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.39
02/22/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.24
02/23/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/24/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.25
02/25/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/26/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/27/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/28/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
02/29/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/01/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/02/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/03/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/04/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/05/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/06/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/07/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/08/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/09/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/10/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/11/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/12/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/13/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/14/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.2	0.20
03/15/96	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.32
03/16/96	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.4	0.48
03/17/96	0.0	0.0	0.00	0.2	0.0	0.02	0.7	0.4	0.50
03/18/96	0.0	0.0	0.00	0.2	0.0	0.09	0.9	0.2	0.51
03/19/96	0.0	0.0	0.00	0.2	0.2	0.20	0.7	0.5	0.57
03/20/96	0.0	0.0	0.00	0.2	0.2	0.20	0.7	0.4	0.50
03/21/96	0.0	0.0	0.00	0.2	0.0	0.17	0.7	0.2	0.48
03/22/96	0.0	0.0	0.00	0.2	0.0	0.08	0.5	0.2	0.31
03/23/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.09
03/24/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.08

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
03/25/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.14
03/26/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.18
03/27/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.15
03/28/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.27
03/29/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.18
03/30/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.0	0.17
03/31/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.09
04/01/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.10
04/02/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.13
04/03/96	0.0	0.0	0.00	0.0	0.0	0.00	0.2	0.0	0.18
04/04/96	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.2	0.35
04/05/96	0.0	0.0	0.00	0.0	0.0	0.00	0.4	0.2	0.34
04/06/96	0.0	0.0	0.00	0.0	0.0	0.00	0.5	0.0	0.27
04/07/96	0.0	0.0	0.00	0.0	0.0	0.00	0.7	0.2	0.43
04/08/96	0.0	0.0	0.00	0.2	0.0	0.03	0.7	0.2	0.48
04/09/96	0.0	0.0	0.00	0.2	0.0	0.14	1.2	0.5	0.79
04/10/96	0.0	0.0	0.00	0.4	0.0	0.20	1.4	0.4	0.85
04/11/96	0.0	0.0	0.00	0.5	0.2	0.35	1.4	0.5	0.93
04/12/96	0.0	0.0	0.00	0.5	0.2	0.35	1.5	0.5	0.92
04/13/96	0.0	0.0	0.00	0.7	0.2	0.43	1.5	0.5	0.93
04/14/96	0.0	0.0	0.00	0.7	0.2	0.41	1.4	0.4	0.91
04/15/96	0.0	0.0	0.00	0.5	0.2	0.36	1.2	0.7	0.96
04/16/96	0.0	0.0	0.00	0.5	0.0	0.25	1.2	0.4	0.77
04/17/96	0.0	0.0	0.00	0.0	0.0	0.00	1.2	0.4	0.70
04/18/96	0.0	0.0	0.00	0.2	0.0	0.05	1.5	0.4	0.84
04/19/96	0.0	0.0	0.00	0.9	0.0	0.40	1.7	0.4	0.95
04/20/96	0.0	0.0	0.00	1.0	0.2	0.52	2.1	0.4	1.06
04/21/96	0.2	0.0	0.05	1.4	0.4	0.73	2.4	0.7	1.30
04/22/96	0.4	0.0	0.16	1.4	0.2	0.67	2.2	0.5	1.21
04/23/96	0.4	0.0	0.10	0.9	0.0	0.28	1.7	0.7	1.05
04/24/96	0.4	0.0	0.13	0.9	0.0	0.43	1.9	0.5	0.86
04/25/96	0.4	0.0	0.17	0.9	0.2	0.50	1.0	0.4	0.63
04/26/96	0.9	0.2	0.49	1.4	0.5	0.82	1.5	0.5	0.93
04/27/96	1.5	0.4	0.78	2.1	0.5	1.05	2.2	0.5	1.17
04/28/96	1.5	0.2	0.81	2.1	0.4	1.05	2.1	0.4	1.14
04/29/96	2.2	0.7	1.05	2.6	1.0	1.45	2.7	1.0	1.53
04/30/96	1.5	0.4	0.85	1.9	0.7	1.23	2.4	0.7	1.38
05/01/96	1.2	0.5	0.86	1.7	0.9	1.30	2.1	0.9	1.47
05/02/96	1.9	0.7	1.19	2.2	1.0	1.53	2.9	1.2	1.88
05/03/96	2.9	0.7	1.44	2.9	1.0	1.66	3.4	1.2	2.11
05/04/96	2.4	0.5	1.39	2.6	0.7	1.64	3.3	0.7	1.94
05/05/96	1.9	0.7	1.30	2.4	0.7	1.51	2.7	1.2	1.77
05/06/96	1.7	0.2	0.85	1.9	0.5	1.09	2.4	0.7	1.48
05/07/96	1.9	0.0	0.68	2.6	0.2	1.04	3.3	0.4	1.48
05/08/96	1.4	0.0	0.73	1.9	0.2	0.95	2.2	0.5	1.37
05/09/96	2.1	0.2	1.05	2.4	0.4	1.28	2.6	0.7	1.61
05/10/96	2.7	0.0	1.24	3.6	0.2	1.64	4.0	0.5	2.06
05/11/96	3.1	0.2	1.53	4.0	0.4	1.97	4.9	0.7	2.58
05/12/96	2.7	1.0	1.95	3.3	1.2	2.15	3.3	1.9	2.57
05/13/96	2.9	1.5	2.15	3.1	1.7	2.24	3.4	2.1	2.70
05/14/96	2.7	1.5	2.05	3.4	1.5	2.21	4.1	1.9	2.70
05/15/96	2.4	1.2	1.83	2.9	1.5	2.12	3.3	1.5	2.33
05/16/96	2.9	0.7	1.74	3.6	1.2	2.18	4.0	1.2	2.40
05/17/96	3.3	0.7	1.94	4.3	1.0	2.47	4.5	1.2	2.67
05/18/96	2.4	1.5	1.92	3.1	1.9	2.38	2.9	1.9	2.43
05/19/96	2.6	1.2	1.74	3.3	1.7	2.28	2.9	1.7	2.21
05/20/96	2.7	1.0	1.74	3.3	1.2	2.18	3.8	1.4	2.42
05/21/96	3.1	1.2	1.97	3.8	1.4	2.40	4.1	1.5	2.62
05/22/96	3.3	1.4	2.20	3.8	1.5	2.59	4.3	1.7	2.89
05/23/96	3.4	1.4	2.25	4.1	1.5	2.65	4.3	1.7	2.83

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
05/24/96	2.9	1.2	2.04	3.8	1.4	2.45	4.0	1.7	2.70
05/25/96	2.7	1.4	1.96	3.3	1.5	2.25	3.4	1.9	2.47
05/26/96	2.7	1.4	1.95	3.1	1.4	2.22	3.3	1.5	2.31
05/27/96	3.1	1.4	2.23	3.6	1.5	2.54	3.8	1.5	2.65
05/28/96	3.6	1.5	2.54	4.1	1.7	2.83	4.3	1.7	2.95
05/29/96	4.0	1.7	2.82	4.1	1.9	2.97	4.5	1.9	3.20
05/30/96	3.8	2.1	2.88	4.1	2.1	2.90	4.0	2.2	2.97
05/31/96	4.1	1.9	2.97	4.5	1.9	2.93	5.0	1.9	3.20
06/01/96	3.3	2.2	2.77	3.4	2.1	2.69	4.0	2.2	2.84
06/02/96	3.6	2.2	2.82	3.6	2.1	2.66	4.1	2.2	2.90
06/03/96	3.6	2.1	2.75	3.6	2.1	2.68	4.0	2.2	2.88
06/04/96	3.8	2.2	2.94	3.8	2.2	2.82	4.0	2.2	2.80
06/05/96	4.0	2.6	3.24	3.8	2.4	2.99	4.0	2.2	2.98
06/06/96	4.1	2.7	3.32	4.0	2.6	3.01	4.3	2.6	3.09
06/07/96	4.1	2.6	3.30	4.1	2.4	3.10	4.3	2.4	3.21
06/08/96	3.6	2.4	3.16	3.6	2.2	2.99	4.0	2.1	3.12
06/09/96	4.3	2.6	3.52	4.1	2.2	3.18	4.5	2.2	3.34
06/10/96	4.5	3.3	3.74	4.1	2.7	3.26	4.1	2.7	3.39
06/11/96	4.5	2.9	3.76	4.1	2.4	3.33	4.3	2.4	3.42
06/12/96	4.9	2.9	3.95	4.9	2.4	3.56	5.0	2.4	3.83
06/13/96	4.9	3.3	3.99	4.7	2.7	3.59	5.2	2.7	3.92
06/14/96	4.7	2.6	3.78	4.7	2.2	3.50	5.4	2.6	3.92
06/15/96	4.3	3.3	3.80	4.1	2.9	3.54	4.3	3.3	3.85
06/16/96	5.0	2.9	3.88	5.0	2.6	3.73	5.2	2.9	4.00
06/17/96	4.9	3.4	4.11	4.7	2.7	3.74	4.9	3.1	4.04
06/18/96	5.6	4.0	4.82	5.4	3.3	4.30	6.1	3.8	4.88
06/19/96	6.1	4.3	5.24	5.8	3.6	4.55	6.1	4.0	5.05
06/20/96	6.1	4.1	5.15	5.2	3.3	4.22	6.1	3.6	4.88
06/21/96	5.8	4.5	5.19	5.0	3.4	4.16	5.6	4.0	4.74
06/22/96	5.6	4.3	4.98	4.9	3.3	4.00	5.8	4.0	4.76
06/23/96	5.8	4.3	5.00	5.0	3.4	4.20	6.3	4.1	5.11
06/24/96	6.1	4.3	5.26	5.8	3.3	4.44	6.9	4.0	5.44
06/25/96	5.8	4.3	5.15	5.4	3.4	4.43	6.7	4.1	5.52
06/26/96	6.1	4.5	5.40	5.8	3.8	4.74	7.3	4.7	5.93
06/27/96	6.1	4.5	5.43	5.8	3.6	4.71	6.7	4.5	5.73
06/28/96	6.0	4.9	5.47	5.6	3.8	4.65	6.5	4.7	5.62
06/29/96	6.1	4.9	5.48	5.8	3.6	4.72	6.3	4.5	5.58
06/30/96	7.1	5.4	6.12	6.9	4.3	5.42	7.7	5.2	6.37
07/01/96	6.1	4.7	5.46	6.0	4.0	4.97	6.9	4.7	5.81
07/02/96	6.5	4.1	5.37	6.7	3.4	5.13	7.5	4.1	5.93
07/03/96	6.3	5.6	5.98	6.0	5.0	5.51	6.7	5.8	6.27
07/04/96	6.5	5.2	5.82	6.5	4.7	5.46	7.1	5.2	6.15
07/05/96	6.3	5.4	5.90	6.1	4.5	5.32	7.5	5.4	6.20
07/06/96	7.3	5.2	6.22	7.5	4.5	5.88	8.2	5.2	6.74
07/07/96	7.7	5.6	6.70	8.0	5.0	6.59	9.0	5.8	7.42
07/08/96	8.4	6.5	7.39	8.2	6.3	7.24	8.8	7.1	7.98
07/09/96	7.7	6.7	7.21	7.3	6.1	6.81	8.0	6.9	7.48
07/10/96	7.5	6.0	6.76	7.7	5.4	6.47	8.6	6.0	7.25
07/11/96	8.0	6.3	7.15	8.6	5.8	7.15	9.4	6.3	7.92
07/12/96	8.2	6.7	7.52	8.8	6.7	7.82	9.8	7.1	8.52
07/13/96	9.2	7.1	8.08	9.8	6.9	8.35	10.4	7.5	9.05
07/14/96	9.0	7.3	8.16	9.6	7.5	8.52	10.4	7.8	9.24
07/15/96	8.6	7.3	8.03	8.8	7.7	8.25	9.8	8.2	9.03
07/16/96	8.0	6.7	7.52	8.0	6.5	7.43	9.2	7.3	8.23
07/17/96	7.5	6.7	7.02	7.5	6.7	7.12	7.8	7.3	7.55
07/18/96	7.1	6.5	6.83	7.1	6.5	6.89	8.2	7.1	7.45
07/19/96	6.5	5.8	5.94	6.3	5.4	5.83	7.3	6.3	6.71
07/20/96	6.7	5.8	6.24	7.3	5.8	6.43	7.8	6.3	7.14
07/21/96	7.3	6.3	6.73	7.7	6.3	7.03	8.4	7.1	7.81
07/22/96	7.3	6.7	7.00	8.6	6.3	7.46	9.4	7.1	8.31

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
07/23/96	7.8	6.5	7.25	9.2	6.7	7.96	10.0	7.5	8.75
07/24/96	8.6	7.3	7.84	9.8	7.3	8.49	10.7	8.0	9.31
07/25/96	9.2	7.7	8.34	10.0	7.7	8.87	10.9	8.4	9.67
07/26/96	9.2	8.0	8.57	9.8	8.2	9.15	11.3	9.0	10.10
07/27/96	9.6	8.2	8.85	10.9	8.4	9.73	11.5	9.2	10.48
07/28/96	9.8	8.8	9.26	11.1	9.0	10.10	11.3	9.8	10.68
07/29/96	10.4	9.0	9.58	11.1	9.4	10.33	11.7	9.8	10.73
07/30/96	9.6	8.6	8.99	10.2	8.6	9.10	10.4	8.6	9.38
07/31/96	9.0	7.8	8.41	9.4	7.7	8.55			9.17
08/01/96	8.8	8.0	8.38	9.2	7.8	8.51			9.13
08/02/96	8.8	7.7	8.23	9.4	7.3	8.46			9.08
08/03/96	8.6	7.7	8.17	9.0	8.0	8.58			9.21
08/04/96	9.2	7.7	8.27	9.4	7.8	8.52			9.14
08/05/96	9.4	7.3	8.30	9.6	7.7	8.63			9.26
08/06/96	9.4	7.8	8.59	9.8	8.4	9.08			9.73
08/07/96	9.0	7.5	8.29	9.0	7.7	8.35			8.97
08/08/96	9.6	7.8	8.68	10.0	8.0	8.93			9.58
08/09/96	9.6	8.0	8.89	10.0	8.4	9.28			9.94
08/10/96	10.2	8.8	9.50	10.7	9.0	9.80			10.49
08/11/96	9.8	8.6	9.22	9.8	9.0	9.50			10.18
08/12/96	10.0	8.2	9.19	10.0	8.6	9.32			9.99
08/13/96	9.6	7.8	8.87	9.4	8.2	8.94			9.59
08/14/96	9.6	8.0	8.88	9.6	8.0	8.90			9.55
08/15/96	9.6	8.0	8.66	9.4	8.4	8.93			9.57
08/16/96	9.4	7.8	8.41	9.2	8.0	8.55			9.18
08/17/96	9.0	7.7	8.34	9.0	7.7	8.30			8.92
08/18/96	8.6	7.7	8.23	8.6	7.5	8.22			8.83
08/19/96	8.8	7.8	8.35	8.6	7.8	8.27			8.88
08/20/96	9.0	7.8	8.34	9.0	7.7	8.30			8.92
08/21/96	8.4	7.7	8.07	8.4	7.7	8.12			8.72
08/22/96	9.6	7.8	8.63	9.4	7.8	8.60			9.23
08/23/96	9.8	8.6	9.12	9.8	8.4	9.03			9.68
08/24/96	9.2	7.5	8.46	9.2	7.5	8.32			8.94
08/25/96	9.4	7.7	8.45	9.4	7.7	8.50			9.13
08/26/96	9.6	7.8	8.66	10.0	7.8	8.88			9.53
08/27/96	9.4	7.8	8.63	9.6	8.0	8.89			9.54
08/28/96	10.0	8.6	9.21	10.2	8.8	9.48			10.15
08/29/96	10.7	9.0	9.80	11.1	9.2	10.16			10.87
08/30/96	10.2	9.6	9.93	10.4	9.8	10.25			10.97
08/31/96	10.0	8.8	9.39	9.8	8.8	9.28			9.94
09/01/96	9.2	8.4	8.70	9.0	8.2	8.66	9.6		9.29
09/02/96	8.6	7.1	8.05	8.4	7.1	7.91	9.2	7.3	8.32
09/03/96	8.6	7.8	8.18	8.8	7.8	8.22	9.2	8.2	8.63
09/04/96	8.0	6.3	7.29	7.8	6.3	7.17	8.6	6.9	7.75
09/05/96	7.3	5.8	6.71	7.3	6.0	6.73	7.7	6.5	7.24
09/06/96	7.5	6.3	6.96	7.5	6.5	7.04	8.0	6.9	7.44
09/07/96	7.1	6.5	6.88	7.1	6.5	6.90	7.7	7.1	7.37
09/08/96	7.7	6.3	7.04	7.7	6.5	7.07	8.0	6.9	7.41
09/09/96	8.0	6.9	7.39	8.0	7.1	7.51	8.4	7.3	7.74
09/10/96	7.7	5.8	6.81	7.7	6.1	7.04	8.2	6.3	7.23
09/11/96	7.8	6.1	7.00	8.2	6.5	7.40	8.6	6.5	7.53
09/12/96	8.4	7.1	7.62	8.6	7.3	7.90	8.6	7.3	8.02
09/13/96	7.8	7.1	7.48	8.0	7.5	7.74	8.2	7.5	7.84
09/14/96	8.0	7.3	7.63	8.0	7.7	7.83	8.2	7.8	7.94
09/15/96	7.5	6.5	7.08	7.5	6.7	7.15	8.0	7.1	7.53
09/16/96	6.9	5.8	6.48	7.3	6.0	6.62	7.8	6.3	7.08
09/17/96	6.1	4.9	5.70	6.5	5.0	5.90	7.1	5.4	6.20
09/18/96	6.9	6.1	6.47	7.5	6.3	6.79	7.8	6.5	7.03
09/19/96	6.3	5.4	5.97	6.9	5.8	6.17	7.1	5.8	6.36
09/20/96	5.8	4.5	5.31	5.8	4.7	5.43	6.3	5.0	5.79

Table 3. WATER TEMPERATURES (°C) GLUSKIE, FORFAR, and KYNOCH CREEKS 1990 - 1996.

DATE	GLUSKIE CREEK			FORFAR CREEK			KYNOCH CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
09/21/96	4.5	3.6	4.06	4.7	3.8	4.25	5.0	4.1	4.60
09/22/96	4.1	3.1	3.55	4.1	2.9	3.56	4.7	3.3	3.85
09/23/96	3.8	2.6	3.28	4.0	2.7	3.40	4.5	2.9	3.59
09/24/96	4.3	2.9	3.63	4.7	3.3	3.93	4.9	3.3	4.04
09/25/96	5.0	4.0	4.50	5.4	4.1	4.79	5.6	4.1	4.80
09/26/96	6.7	4.7	5.62	6.9	5.0	5.88	7.1	5.2	6.09
09/27/96	7.7	6.5		7.8	6.9	7.28	7.8	6.9	7.35
09/28/96					6.9			7.1	

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
04/27/94	2.1					
04/28/94	1.9	0.7	1.20			
04/29/94	1.7	0.7	0.98			
04/30/94	1.5	0.7	1.03			
05/01/94	1.9	0.5	1.08			
05/02/94	2.2	0.9	1.53			
05/03/94	2.7	0.9	1.68			
05/04/94	2.4	0.7	1.62			
05/05/94	2.7	1.0	1.93			
05/06/94	3.1	1.5	2.19			
05/07/94	3.1	0.9	1.94			
05/08/94	3.4	1.2	2.31			
05/09/94	3.6	1.7	2.55			
05/10/94	3.3	1.0	2.21			
05/11/94	3.6	1.9	2.58			
05/12/94	3.3	1.0	2.17			
05/13/94	3.1	1.5	2.40			
05/14/94	3.6	1.2	2.38			
05/15/94	4.0	1.2	2.65			
05/16/94	3.4	2.4	2.93			
05/17/94	4.3	2.1	3.16			
05/18/94	4.9	2.1	3.43			
05/19/94	5.0	2.2	3.72			
05/20/94	5.4	2.7	4.01			
05/21/94	5.4	2.6	3.99			
05/22/94	5.6	2.7	4.19			
05/23/94	5.4	2.9	4.22			
05/24/94	5.4	3.3	4.41			
05/25/94	5.0	3.8	4.48			
05/26/94	5.0	2.9	3.83			
05/27/94	4.5	2.4	3.40			
05/28/94	3.6	2.7	3.28			
05/29/94	4.7	2.7	3.62			
05/30/94	5.0	2.7	3.86			
05/31/94	5.0	3.1	4.20			
06/01/94	5.6	3.3	4.55			
06/02/94	6.5	3.4	4.97			
06/03/94	7.1	5.0	6.05			
06/04/94	7.1	5.2	6.20			
06/05/94	6.9	5.6	6.25			
06/06/94	6.3	5.2	5.86			
06/07/94	6.3	5.4	5.94			
06/08/94	6.7	4.7	5.78			
06/09/94	6.9	4.7	5.96			
06/10/94	7.5	4.9	6.32			
06/11/94	7.5	6.5	7.07			
06/12/94	6.9	5.6	6.42			
06/13/94	6.7	5.8	6.25			
06/14/94	6.0	5.0	5.59			
06/15/94	6.9	4.7	5.85			
06/16/94	7.1	5.4	6.21			
06/17/94	7.5	5.2	6.53			
06/18/94	7.7	5.4	6.70			
06/19/94	8.4	5.8	7.02			
06/20/94	8.0	6.0	7.11			
06/21/94	9.2	6.0	7.66			
06/22/94	10.2	7.3	8.80			
06/23/94	10.9	8.4	9.71			
06/24/94	11.7	9.0	10.25			
06/25/94	11.7	9.0	10.25			

data starts April 1995

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
06/26/94	11.3	8.8	9.97			
06/27/94	9.8	8.6	8.95			
06/28/94	8.6	7.8	8.32			
06/29/94	9.0	7.7	8.30			
06/30/94	8.6	7.8	8.23			
07/01/94	8.4	8.0	8.24			
07/02/94	8.4	7.8	8.06			
07/03/94	9.0	7.7	8.38			
07/04/94	9.0	7.7	8.34			
07/05/94	9.6	7.7	8.73			
07/06/94	9.6	8.6	9.13			
07/07/94	10.0	8.2	9.05			
07/08/94	9.4	7.7	8.45			
07/09/94	9.0	7.7	8.27			
07/10/94	9.2	7.5	8.39			
07/11/94	10.0	7.8	8.87			
07/12/94	11.1	9.0	9.96			
07/13/94	10.9	9.0	10.02			
07/14/94	10.4	8.4	9.45			
07/15/94	11.1	8.4	9.75			
07/16/94	10.9	9.4	10.06			
07/17/94	10.4	9.0	9.78			
07/18/94	10.7	9.2	9.92			
07/19/94	11.9	9.2	10.33			
07/20/94	12.6	9.8	11.07			
07/21/94	12.6	10.4	11.32			
07/22/94	12.4	9.4	10.75			
07/23/94	12.6	9.8	11.02			
07/24/94	13.5	10.7	11.90			
07/25/94	12.8	11.3	12.08			
07/26/94	13.5	11.5	12.30			
07/27/94	13.3	11.1	12.04			
07/28/94	13.5	10.9	12.09			
07/29/94	13.0	11.9	12.39			
07/30/94	12.4	11.1	11.69			
07/31/94	11.3	10.0	10.74			
08/01/94	11.9	9.6	10.68			
08/02/94	12.6	10.2	11.28			
08/03/94	13.0	10.9	11.98			
08/04/94	14.2	12.1	12.97			
08/05/94	13.0	11.7	12.32			
08/06/94	11.7	10.9	11.18			
08/07/94	12.1	10.4	11.15			
08/08/94	11.9	10.4	11.18			
08/09/94	11.3	10.2	10.92			
08/10/94	12.1	9.8	10.83			
08/11/94	12.1	10.0	11.09			
08/12/94	12.8	11.1	11.85			
08/13/94	12.6	11.1	11.92			
08/14/94	13.0	11.5	12.15			
08/15/94	12.4	11.1	11.64			
08/16/94	11.7	10.0	10.84			
08/17/94	11.9	10.0	10.97			
08/18/94	12.1	10.4	11.34			
08/19/94	12.4	10.7	11.48			
08/20/94	11.9	10.9	11.47			
08/21/94	11.7	10.4	11.05			
08/22/94	11.1	10.2	10.62			
08/23/94	10.4	9.0	9.70			
08/24/94	9.8	8.6	9.18			

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
08/25/94	9.6	8.0	8.83			
08/26/94	9.4	7.8	8.61			
08/27/94	9.8	8.0	8.88			
08/28/94	10.0	8.6	9.26			
08/29/94	10.2	8.8	9.50			
08/30/94	10.4	9.2	9.83			
08/31/94	10.2	9.6	9.88			
09/01/94	9.8	8.8	9.39			
09/02/94	9.4	8.6	8.95			
09/03/94	9.2	8.4	8.75			
09/04/94	8.6	7.7	8.27			
09/05/94	9.2	8.2	8.68			
09/06/94	9.4	8.6	9.00			
09/07/94	9.0	8.0	8.62			
09/08/94	8.8	8.4	8.63			
09/09/94	9.0	8.0	8.40			
09/10/94	8.8	7.5	7.98			
09/11/94	7.8	6.9	7.43			
09/12/94	8.0	7.3	7.60			
09/13/94	8.8	7.8	8.22			
09/14/94	8.6	7.7	8.13			
09/15/94	9.2	8.0	8.55			
09/16/94	10.0	8.8	9.26			
09/17/94	9.6	8.4	8.99			
09/18/94	9.2	7.8	8.47			
09/19/94	9.0	7.8	8.48			
09/20/94	7.7	6.3	7.08			
09/21/94	8.0	6.7	7.35			
09/22/94	8.8	7.7	8.28			
09/23/94	8.6	7.7	8.26			
09/24/94	8.6	7.5	8.04			
09/25/94	8.6	7.7	8.26			
09/26/94	8.0	6.9	7.55			
09/27/94	7.8	6.9	7.40			
09/28/94	6.5	5.4	5.99			
09/29/94	5.8	4.7	5.24			
09/30/94	5.6	5.0	5.41			
10/01/94	5.4	4.7	5.03			
10/02/94	4.7	3.6	4.08			
10/03/94	4.1	3.1	3.60			
10/04/94	4.3	3.1	3.69			
10/05/94	4.5	3.8	4.19			
10/06/94	5.0	4.0	4.42			
10/07/94	4.7	3.6	4.22			
10/08/94	5.4	4.3	4.76			
10/09/94	4.7	3.8	4.33			
10/10/94	3.6	2.7	3.16			
10/11/94	2.7	1.9	2.40			
10/12/94	2.9	1.9	2.42			
10/13/94	3.3	2.2	2.82			
10/14/94	3.1	2.7	3.01			
10/15/94	3.1	2.2	2.62			
10/16/94	3.4	2.7	3.07			
10/17/94	3.8	2.9	3.27			
10/18/94	4.0	3.4	3.74			
10/19/94	4.1	3.8	3.96			
10/20/94	4.3	4.0	4.06			
10/21/94	4.0	3.3	3.63			
10/22/94	3.6	3.4	3.46			
10/23/94	3.4	3.3	3.34			

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
10/24/94	3.6	3.3	3.44			
10/25/94	4.5	3.6	4.02			
10/26/94	4.0	2.6	3.25			
10/27/94	3.3	2.4	2.76			
10/28/94	2.1	1.5	1.88			
10/29/94	1.7	0.9	1.33			
10/30/94	1.5	0.9	1.37			
10/31/94	1.4	0.9	1.23			
11/01/94	1.5	1.2	1.38			
11/02/94	1.4	0.9	1.15			
11/03/94	1.2	0.9	1.01			
11/04/94	1.2	1.0	1.18			
11/05/94	1.4	0.9	1.15			
11/06/94	1.5	1.2	1.31			
11/07/94	1.2	0.9	1.14			
11/08/94	1.5	1.0	1.28			
11/09/94	1.5	1.4	1.48			
11/10/94	1.5	1.4	1.46			
11/11/94	1.5	0.9	1.38			
11/12/94	1.2	0.5	0.83			
11/13/94	1.2	0.7	0.85			
11/14/94	1.0	0.5	0.76			
11/15/94	0.9	0.5	0.74			
11/16/94	0.7	0.5	0.63			
11/17/94	1.0	0.7	0.85			
11/18/94	0.7	0.4	0.52			
11/19/94	0.5	0.4	0.48			
11/20/94	0.5	0.5	0.50			
11/21/94	0.5	0.5	0.50			
11/22/94	0.5	0.5	0.50			
11/23/94	0.5	0.5	0.50			
11/24/94	0.7	0.5	0.54			
11/25/94	0.5	0.5	0.50			
11/26/94	0.5	0.5	0.50			
11/27/94	0.7	0.5	0.58			
11/28/94	0.7	0.5	0.58			
11/29/94	0.9	0.7	0.74			
11/30/94	0.9	0.7	0.72			
12/01/94	0.7	0.5	0.66			
12/02/94	0.7	0.5	0.58			
12/03/94	0.5	0.5	0.50			
12/04/94	0.5	0.5	0.50			
12/05/94	0.5	0.4	0.46			
12/06/94	0.5	0.5	0.50			
12/07/94	0.5	0.5	0.50			
12/08/94	0.5	0.5	0.50			
12/09/94	0.5	0.5	0.50			
12/10/94	0.5	0.5	0.50			
12/11/94	0.7	0.5	0.66			
12/12/94	0.7	0.7	0.70			
12/13/94	0.7	0.7	0.70			
12/14/94	0.7	0.7	0.70			
12/15/94	0.7	0.7	0.70			
12/16/94	0.7	0.7	0.70			
12/17/94	0.7	0.5	0.68			
12/18/94	0.7	0.5	0.68			
12/19/94	0.7	0.7	0.70			
12/20/94	0.7	0.7	0.70			
12/21/94	0.7	0.7	0.70			
12/22/94	0.9	0.7	0.87			

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
12/23/94	0.9	0.9	0.90			
12/24/94	0.9	0.7	0.84			
12/25/94	0.7	0.7	0.70			
12/26/94	0.7	0.5	0.69			
12/27/94	0.5	0.4	0.47			
12/28/94	0.4	0.4	0.40			
12/29/94	0.4	0.4	0.40			
12/30/94	0.4	0.4	0.40			
12/31/94	0.4	0.4	0.40			
01/01/95	0.4	0.4	0.40			
01/02/95	0.4	0.2	0.33			
01/03/95	0.2	0.2	0.20			
01/04/95	0.2	0.2	0.20			
01/05/95	0.2	0.2	0.20			
01/06/95	0.2	0.2	0.20			
01/07/95	0.2	0.2	0.20			
01/08/95	0.2	0.2	0.20			
01/09/95	0.2	0.2	0.20			
01/10/95	0.4	0.2	0.21			
01/11/95	0.4	0.2	0.35			
01/12/95	0.4	0.4	0.40			
01/13/95	0.4	0.4	0.40			
01/14/95	0.4	0.4	0.40			
01/15/95	0.4	0.4	0.40			
01/16/95	0.4	0.4	0.40			
01/17/95	0.4	0.4	0.40			
01/18/95	0.4	0.4	0.40			
01/19/95	0.4	0.4	0.40			
01/20/95	0.4	0.4	0.40			
01/21/95	0.4	0.4	0.40			
01/22/95	0.4	0.2	0.36			
01/23/95	0.2	0.2	0.20			
01/24/95	0.2	0.2	0.20			
01/25/95	0.2	0.2	0.20			
01/26/95	0.2	0.2	0.20			
01/27/95	0.2	0.2	0.20			
01/28/95	0.4	0.2	0.31			
01/29/95	0.4	0.4	0.40			
01/30/95	0.4	0.4	0.40			
01/31/95	0.4	0.4	0.40			
02/01/95	0.4	0.4	0.40			
02/02/95	0.4	0.4	0.40			
02/03/95	0.4	0.4	0.40			
02/04/95	0.4	0.4	0.40			
02/05/95	0.4	0.4	0.40			
02/06/95	0.4	0.4	0.40			
02/07/95	0.4	0.4	0.40			
02/08/95	0.4	0.4	0.40			
02/09/95	0.4	0.4	0.40			
02/10/95	0.4	0.4	0.40			
02/11/95	0.4	0.2	0.38			
02/12/95	0.2	0.2	0.20			
02/13/95	0.2	0.2	0.20			
02/14/95	0.2	0.2	0.20			
02/15/95	0.2	0.2	0.20			
02/16/95	0.2	0.2	0.20			
02/17/95	0.2	0.2	0.20			
02/18/95	0.2	0.2	0.20			
02/19/95	0.2	0.2	0.20			
02/20/95	0.2	0.2	0.20			

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
02/21/95	0.4	0.2	0.21			
02/22/95	0.2	0.2	0.20			
02/23/95	0.4	0.2	0.25			
02/24/95	0.4	0.2	0.34			
02/25/95	0.4	0.2	0.26			
02/26/95	0.2	0.2	0.20			
02/27/95	0.2	0.2	0.20			
02/28/95	0.2	0.2	0.20			
03/01/95	0.2	0.2	0.20			
03/02/95	0.2	0.2	0.20			
03/03/95	0.2	0.2	0.20			
03/04/95	0.2	0.2	0.20			
03/05/95	0.2	0.2	0.20			
03/06/95	0.2	0.2	0.20			
03/07/95	0.2	0.2	0.20			
03/08/95	0.2	0.2	0.20			
03/09/95	0.2	0.2	0.20			
03/10/95	0.2	0.2	0.20			
03/11/95	0.2	0.2	0.20			
03/12/95	0.2	0.2	0.20			
03/13/95	0.2	0.2	0.20			
03/14/95	0.2	0.2	0.20			
03/15/95	0.2	0.2	0.20			
03/16/95	0.2	0.2	0.20			
03/17/95	0.4	0.2	0.28			
03/18/95	0.4	0.4	0.40			
03/19/95	0.4	0.2	0.33			
03/20/95	0.2	0.2	0.20			
03/21/95	0.4	0.2	0.33			
03/22/95	0.4	0.4	0.40			
03/23/95	0.4	0.4	0.40			
03/24/95	0.4	0.2	0.38			
03/25/95	0.4	0.2	0.33			
03/26/95	0.4	0.4	0.40			
03/27/95	0.4	0.4	0.40			
03/28/95	0.4	0.4	0.40			
03/29/95	0.4	0.2	0.39			
03/30/95	0.4	0.2	0.38			
03/31/95	0.4	0.2	0.33			
04/01/95	0.4	0.2	0.26			
04/02/95	0.4	0.2	0.30			
04/03/95	0.4	0.2	0.32			
04/04/95	0.4	0.2	0.23			
04/05/95	0.4	0.2	0.31			
04/06/95	0.4	0.4	0.40			
04/07/95	0.5	0.4	0.42			
04/08/95	0.5	0.4	0.41			
04/09/95	0.5	0.4	0.43			
04/10/95	0.5	0.4	0.43			
04/11/95	0.7	0.4	0.49			
04/12/95	0.7	0.4	0.50			
04/13/95	0.5	0.4	0.47			
04/14/95	0.5	0.4	0.47			
04/15/95	0.7	0.5	0.58			
04/16/95	0.9	0.5	0.59			
04/17/95	0.7	0.5	0.61			
04/18/95	0.9	0.5	0.68			
04/19/95	1.0	0.5	0.68			
04/20/95	1.0	0.7	0.78			
04/21/95	1.0	0.7	0.78			

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
04/22/95	0.9	0.4	0.74			
04/23/95	0.9	0.2	0.53			
04/24/95	0.9	0.2	0.44			
04/25/95	1.4	0.2	0.70			
04/26/95	1.5	0.5	0.88			
04/27/95	1.7	0.5	0.86			
04/28/95	1.9	0.4	0.88			
04/29/95	1.4	0.7	0.93			
04/30/95	1.7	0.5	1.09	4.3		
05/01/95	2.4	0.7	1.30	5.0	2.6	3.90
05/02/95	2.1	0.9	1.40	5.4	3.4	4.56
05/03/95	2.1	1.0	1.43	5.4	3.3	4.41
05/04/95	2.2	0.7	1.37	5.6	3.3	4.46
05/05/95	2.4	0.7	1.43	6.5	3.3	4.90
05/06/95	2.9	0.9	1.62	7.7	4.3	5.82
05/07/95	3.1	1.0	1.89	7.7	4.3	6.12
05/08/95	3.4	1.0	2.09	8.4	5.2	6.80
05/09/95	3.6	1.0	2.16	8.6	5.6	7.18
05/10/95	3.3	1.2	1.99	8.0	6.1	7.24
05/11/95	2.4	1.2	1.73	7.3	6.1	6.69
05/12/95	3.3	1.2	2.04	8.8	5.8	7.19
05/13/95	4.3	1.2	2.57	9.4	6.1	7.80
05/14/95	3.8	1.9	2.73	8.6	7.1	7.98
05/15/95	4.5	1.5	2.97	8.6	6.0	7.39
05/16/95	4.0	2.1	3.09	8.6	6.7	7.66
05/17/95	3.4	1.9	2.73	7.7	6.1	6.82
05/18/95	3.3	1.7	2.57	7.3	5.2	6.34
05/19/95	4.0	2.1	3.00	7.3	5.6	6.57
05/20/95	4.5	1.9	3.36	8.6	5.4	6.93
05/21/95	5.4	2.4	3.89	9.0	5.8	7.37
05/22/95	5.8	2.6	4.33	9.2	6.3	7.93
05/23/95	6.1	3.1	4.64	10.0	7.3	8.60
05/24/95	6.0	3.3	4.73	10.0	7.7	8.85
05/25/95	6.5	3.8	5.21	10.2	8.0	9.12
05/26/95	7.3	4.0	5.63	10.9	8.2	9.57
05/27/95	7.3	4.5	5.95	11.1	9.0	10.13
05/28/95	6.9	4.5	5.67	10.7	8.8	9.88
05/29/95	6.3	5.0	5.62	10.4	9.2	9.96
05/30/95	6.0	4.9	5.40	9.8	8.6	9.15
05/31/95	5.2	4.1	4.86	8.8	7.3	8.11
06/01/95	6.3	4.5	5.41	9.8	7.5	8.63
06/02/95	6.5	5.2	5.86	10.7	8.4	9.48
06/03/95	6.7	4.9	5.89	11.1	7.8	9.46
06/04/95	7.1	6.7	6.87	10.7	9.8	10.19
06/05/95	6.7	6.1	6.36	9.8	8.8	9.38
06/06/95	6.7	4.9	5.86	10.0	7.5	8.68
06/07/95	7.3	6.0	6.65	10.4	8.4	9.53
06/08/95	7.5	6.5	6.98	12.1	9.0	10.45
06/09/95	7.8	6.7	7.21	13.5	9.6	11.42
06/10/95	8.2	7.7	7.85	13.7	10.9	12.35
06/11/95	8.2	8.0	8.11	12.8	11.5	12.23
06/12/95	7.8	7.1	7.34	11.3	9.8	10.65
06/13/95	7.1	6.3	6.57	10.4	9.0	9.81
06/14/95	6.7	6.3	6.48	10.2	9.0	9.54
06/15/95	6.5	6.3	6.46	9.8	9.0	9.43
06/16/95	7.1	6.1	6.56	11.3	8.4	9.94
06/17/95	7.8	6.9	7.41	12.1	10.0	11.00
06/18/95	7.7	6.9	7.33	12.8	9.6	11.14
06/19/95	10.7	7.5	8.62	13.5	10.9	12.20
06/20/95	11.9	9.2	10.44	15.1	11.5	13.25

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
06/21/95	11.9	10.2	10.91	14.9	12.6	13.81
06/22/95	11.9	9.8	10.77	14.9	12.1	13.57
06/23/95	10.9	9.4	10.09	13.7	11.9	12.84
06/24/95	9.8	9.2	9.52	12.6	11.3	12.00
06/25/95	9.0	7.8	8.42	11.7	10.2	10.76
06/26/95	9.6	6.7	8.08	12.1	8.6	10.45
06/27/95	10.9	7.8	9.13	13.5	9.6	11.63
06/28/95	11.7	8.8	10.09	14.4	10.7	12.68
06/29/95	12.1	9.4	10.65	15.1	11.5	13.40
06/30/95	12.4	10.2	11.19	15.3	12.4	14.02
07/01/95	11.3	10.4	11.06	14.6	13.0	13.62
07/02/95	10.9	10.4	10.66	13.3	12.4	12.70
07/03/95	10.9	10.2	10.53	13.3	12.1	12.67
07/04/95	10.9	9.8	10.33	13.5	11.7	12.69
07/05/95	11.1	9.8	10.33	13.5	11.7	12.65
07/06/95	10.0	9.0	9.35	13.7	11.3	12.68
07/07/95	9.2	8.6	8.88	13.7	11.1	12.63
07/08/95	9.2	8.8	8.99	13.5	11.7	12.67
07/09/95	9.0	8.6	8.84	14.9	11.9	13.34
07/10/95	10.4	9.0	9.69	13.9	12.6	13.27
07/11/95	9.6	9.0	9.34	12.6	11.7	11.93
07/12/95	9.8	8.6	9.28	12.6	10.9	11.83
07/13/95	9.8	8.8	9.43	12.1	11.1	11.76
07/14/95	10.4	8.6	9.51	12.8	10.9	11.91
07/15/95	10.2	8.6	9.48	12.6	10.4	11.73
07/16/95	10.7	8.8	9.68	13.0	10.7	12.03
07/17/95	11.1	9.4	10.20	13.7	11.7	12.73
07/18/95	11.7	9.4	10.44	14.6	11.7	13.21
07/19/95	12.4	10.0	11.08	15.1	12.1	13.73
07/20/95	12.8	10.9	11.67	15.6	13.3	14.41
07/21/95	12.4	10.4	11.51	15.6	13.0	14.46
07/22/95	12.4	10.9	11.64	15.3	13.0	14.35
07/23/95	11.7	10.7	11.18	14.4	13.0	13.81
07/24/95	10.7	9.8	10.18	13.3	12.1	12.55
07/25/95	11.3	9.8	10.53	13.9	11.9	12.86
07/26/95	11.3	10.2	10.60	13.9	12.4	13.14
07/27/95	10.2	9.2	9.64	12.8	11.3	12.05
07/28/95	9.4	8.4	9.00	12.4	10.0	11.27
07/29/95	10.0	8.6	9.27	13.3	10.9	11.95
07/30/95	9.4	8.8	9.11	12.1	11.1	11.43
07/31/95	9.6	9.0	9.28	12.1	10.9	11.58
08/01/95	9.6	8.8	9.20	12.8	10.2	11.61
08/02/95	9.6	8.6	9.14	11.5	10.2	11.00
08/03/95	11.1	9.4	10.09	12.8	10.9	11.80
08/04/95	11.3	10.2	10.75	13.5	12.1	12.67
08/05/95	10.4	9.4	9.94	13.0	11.3	12.10
08/06/95	10.2	8.4	9.26	12.4	10.0	11.25
08/07/95	10.0	8.4	9.24	11.7	9.8	10.85
08/08/95	9.8	8.6	9.22	12.8	9.8	11.25
08/09/95	10.2	8.4	9.28	12.8	9.8	11.37
08/10/95	10.0	8.8	9.50	12.4	10.4	11.51
08/11/95	10.4	9.4	9.88	12.4	11.1	11.76
08/12/95	10.7	9.2	9.91	13.3	10.7	11.88
08/13/95	10.0	9.2	9.65	12.1	11.1	11.63
08/14/95	9.8	9.2	9.58	11.5	10.7	11.20
08/15/95	9.2	8.0	8.62	10.9	9.2	10.15
08/16/95	8.8	8.0	8.41	10.7	9.2	9.87
08/17/95	9.0	8.0	8.59	10.9	9.4	10.13
08/18/95	9.2	8.4	8.77	10.7	9.6	10.22
08/19/95	9.4	8.6	8.99	11.7	10.0	10.72

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
08/20/95	9.8	8.6	9.15	11.9	10.2	11.07
08/21/95	9.6	9.0	9.32	11.3	10.7	11.04
08/22/95	9.4	8.6	8.98	10.9	9.8	10.50
08/23/95	8.4	7.8	7.93	10.0	9.2	9.58
08/24/95	8.0	7.7	7.79	9.8	8.6	9.17
08/25/95	8.2	7.8	7.97	10.0	8.8	9.43
08/26/95	7.8	7.5	7.67	9.4	8.2	8.85
08/27/95	8.0	7.3	7.62	9.4	8.0	8.75
08/28/95	7.7	6.9	7.27	9.2	7.3	8.40
08/29/95	7.7	6.9	7.28	9.2	7.5	8.42
08/30/95	7.7	6.9	7.30	9.2	7.5	8.43
08/31/95	7.8	7.1	7.45	9.2	7.7	8.58
09/01/95	8.2	7.3	7.69	9.8	8.0	8.97
09/02/95	8.8	8.0	8.37	10.7	9.2	10.00
09/03/95	8.6	7.8	8.27	10.7	8.8	9.83
09/04/95	8.4	7.7	8.03	10.4	8.4	9.58
09/05/95	9.0	8.0	8.44	11.1	9.2	10.19
09/06/95	8.8	8.2	8.54	11.3	9.4	10.45
09/07/95	9.0	8.2	8.63	11.5	9.4	10.55
09/08/95	9.0	8.2	8.57	11.1	9.2	10.36
09/09/95	9.2	8.2	8.68	11.3	9.4	10.44
09/10/95	9.4	8.8	9.00	11.3	10.2	10.81
09/11/95	9.6	9.0	9.32	12.1	10.9	11.43
09/12/95	9.4	8.8	9.18	11.9	10.4	11.25
09/13/95	8.8	8.0	8.35	10.9	9.0	9.99
09/14/95	8.8	8.0	8.34	11.1	9.0	10.04
09/15/95	8.4	7.8	8.03	10.7	8.6	9.67
09/16/95	7.8	7.3	7.55	10.0	8.0	9.12
09/17/95	7.7	6.9	7.36	9.6	7.8	8.78
09/18/95	7.3	6.3	7.01	9.0	7.5	8.26
09/19/95	6.3	5.6	5.97	7.7	5.8	6.72
09/20/95	5.8	5.2	5.53	7.3	5.0	6.15
09/21/95	5.6	5.0	5.32	7.1	5.0	6.07
09/22/95	6.0	5.2	5.54	7.5	5.2	6.37
09/23/95	6.3	5.2	5.78	8.0	5.8	6.92
09/24/95	6.9	5.6	6.27	8.4	6.5	7.51
09/25/95	6.7	5.8	6.27	8.4	6.7	7.62
09/26/95	7.3	6.1	6.68	8.8	7.1	8.03
09/27/95	7.7	6.9	7.23	8.8	8.2	8.46
09/28/95	7.3	6.3	6.83	8.4	7.3	7.83
09/29/95	7.3	6.5	6.90	8.2	7.1	7.67
09/30/95	6.9	6.0	6.60	7.7	6.7	7.38
10/01/95	5.8	4.7	5.45	6.6	5.4	6.16
10/02/95	6.0	5.2	5.70	7.2	6.4	6.68
10/03/95	5.4	4.5	4.89	6.5	5.4	5.92
10/04/95	5.2	4.1	4.63	6.1	4.9	5.48
10/05/95	5.0	4.7	4.87	5.8	5.4	5.57
10/06/95	5.6	4.7	5.05	6.3	5.3	5.75
10/07/95	5.2	4.5	4.93	6.2	5.5	5.84
10/08/95	5.2	4.3	4.85	6.0	5.2	5.69
10/09/95	4.9	4.5	4.82	6.4	5.4	5.80
10/10/95	4.9	4.0	4.38	5.8	5.0	5.39
10/11/95	4.3	3.3	3.90	5.1	4.1	4.71
10/12/95	3.8	3.1	3.41	4.6	3.7	4.23
10/13/95	4.7	3.6	4.07	5.3	4.2	4.74
10/14/95	4.9	4.0	4.50	5.7	4.7	5.26
10/15/95	3.8	3.3	3.57	4.6	3.9	4.14
10/16/95	3.4	2.7	3.14	4.4	3.8	4.05
10/17/95	2.9	2.1	2.53	3.9	3.0	3.50
10/18/95	2.9	2.2	2.58	4.3	3.1	3.66

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
10/19/95	2.9	2.4	2.63	3.6	3.2	3.39
10/20/95	3.1	2.4	2.79	4.1	3.2	3.62
10/21/95	2.7	2.1	2.38	3.6	2.6	3.18
10/22/95	2.1	1.5	1.88	2.6	2.1	2.36
10/23/95	2.7	2.1	2.41	3.2	2.6	2.92
10/24/95	2.9	2.1	2.50	3.5	2.9	3.16
10/25/95	2.7	2.4	2.65	3.4	3.2	3.35
10/26/95	2.7	1.9	2.23	3.4	2.7	3.01
10/27/95	2.1	1.5	1.79	2.7	2.1	2.44
10/28/95	1.5	0.7	1.18	2.0	1.1	1.55
10/29/95	1.2	0.4	0.75	1.0	0.4	0.77
10/30/95	0.9	0.4	0.55	0.8	0.1	0.46
10/31/95	0.7	0.4	0.50	0.5	-0.1	0.10
11/01/95	0.4	0.4	0.40	0.1	-0.1	-0.01
11/02/95	0.5	0.2	0.40	0.4	-0.1	0.11
11/03/95	0.7	0.2	0.44	0.6	0.0	0.23
11/04/95	0.7	0.4	0.50	0.6	0.2	0.40
11/05/95	0.7	0.4	0.55	0.7	0.4	0.56
11/06/95	0.4	0.2	0.36	0.4	-0.1	0.18
11/07/95	0.4	0.2	0.26	0.0	-0.1	-0.04
11/08/95	0.4	0.2	0.21	0.0	-0.1	-0.05
11/09/95	0.2	0.2	0.20	0.0	-0.1	-0.04
11/10/95	0.2	0.2	0.20	0.0	-0.1	-0.05
11/11/95	0.4	0.2	0.30	0.0	-0.1	-0.03
11/12/95	0.4	0.2	0.39	0.0	-0.1	-0.00
11/13/95	0.4	0.4	0.40	0.0	-0.1	-0.05
11/14/95	0.4	0.2	0.34	0.0	-0.1	-0.03
11/15/95	0.5	0.4	0.43	0.0	-0.1	-0.03
11/16/95	0.7	0.4	0.50	0.0	-0.1	-0.00
11/17/95	0.7	0.5	0.64	0.0	-0.1	-0.02
11/18/95	0.7	0.5	0.53	0.0	-0.1	-0.01
11/19/95	0.5	0.4	0.41	0.0	-0.1	-0.02
11/20/95	0.5	0.4	0.45	0.0	-0.1	-0.00
11/21/95	0.5	0.4	0.48	0.0	-0.1	-0.02
11/22/95	0.7	0.5	0.64	0.0	0.0	0.00
11/23/95	0.7	0.4	0.65	0.1	0.0	0.03
11/24/95	0.7	0.7	0.70	0.2	0.1	0.13
11/25/95	0.9	0.7	0.76	0.3	0.1	0.20
11/26/95	0.9	0.5	0.72	0.3	0.1	0.18
11/27/95	0.5	0.4	0.44	0.1	-0.1	-0.01
11/28/95	0.4	0.2	0.23	0.0	-0.1	-0.03
11/29/95	0.2	0.2	0.20	0.0	-0.1	-0.05
11/30/95	0.2	0.2	0.20	0.0	-0.1	-0.05
12/01/95	0.2	0.2	0.20	0.0	-0.1	-0.02
12/02/95	0.2	0.2	0.20	0.0	-0.1	-0.03
12/03/95	0.2	0.2	0.20	0.0	0.0	0.00
12/04/95	0.2	0.0	0.19	0.0	-0.1	-0.06
12/05/95	0.2	0.2	0.20	0.0	0.0	0.00
12/06/95	0.2	0.0	0.19	0.0	-0.1	-0.05
12/07/95	0.2	0.0	0.13	0.0	-0.1	-0.00
12/08/95	0.2	0.2	0.20	0.0	-0.1	-0.02
12/09/95	0.2	0.2	0.20	0.0	-0.1	-0.02
12/10/95	0.2	0.2	0.20	0.0	-0.1	-0.03
12/11/95	0.2	0.2	0.20	0.0	-0.1	-0.05
12/12/95	0.2	0.2	0.20	0.0	-0.1	-0.01
12/13/95	0.2	0.2	0.20	0.0	-0.1	-0.01
12/14/95	0.2	0.2	0.20	0.0	-0.1	-0.06
12/15/95	0.2	0.2	0.20	0.0	0.0	0.00
12/16/95	0.2	0.2	0.20	0.0	-0.1	-0.03
12/17/95	0.2	0.2	0.20	0.0	-0.1	-0.03

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
12/18/95	0.4	0.2	0.21	0.0	0.0	0.00
12/19/95	0.4	0.2	0.33	0.0	-0.1	-0.05
12/20/95	0.4	0.2	0.39	0.0	-0.1	-0.08
12/21/95	0.4	0.2	0.38	0.0	0.0	0.00
12/22/95	0.4	0.4	0.40	0.0	0.0	0.00
12/23/95	0.4	0.4	0.40	0.0	-0.1	-0.00
12/24/95	0.4	0.2	0.34	0.0	-0.1	-0.01
12/25/95	0.2	0.2	0.20	0.0	-0.1	-0.02
12/26/95	0.2	0.2	0.20	0.0	-0.1	-0.01
12/27/95	0.4	0.2	0.23	0.0	-0.1	-0.00
12/28/95	0.4	0.2	0.38	0.0	-0.1	-0.02
12/29/95	0.4	0.4	0.40	0.0	0.0	0.00
12/30/95	0.4	0.4	0.40	0.0	-0.1	-0.01
12/31/95	0.4	0.4	0.40	0.0	0.0	0.00
01/01/96	0.4	0.0	0.26	0.0	0.0	0.00
01/02/96	0.2	0.0	0.19	-0.1	-0.1	-0.10
01/03/96	0.2	0.0	0.18	0.0	-0.1	-0.07
01/04/96	0.0	0.0	0.00	0.0	-0.1	-0.03
01/05/96	0.0	0.0	0.00	0.0	-0.1	-0.05
01/06/96	0.2	0.0	0.09	0.0	-0.1	-0.02
01/07/96	0.2	0.2	0.20	0.0	-0.1	-0.05
01/08/96	0.2	0.2	0.20	0.0	0.0	0.00
01/09/96	0.2	0.2	0.20	0.0	0.0	0.00
01/10/96	0.2	0.0	0.18	0.0	-0.1	-0.02
01/11/96	0.2	0.0	0.13	0.0	-0.1	-0.03
01/12/96	0.0	0.0	0.00	0.0	-0.1	-0.07
01/13/96	0.0	0.0	0.00	0.0	-0.1	-0.08
01/14/96	0.0	0.0	0.00	0.0	-0.1	-0.05
01/15/96	0.0	0.0	0.00	0.0	0.0	0.00
01/16/96	0.0	0.0	0.00	0.0	0.0	0.00
01/17/96	0.0	0.0	0.00	0.0	0.0	0.00
01/18/96	0.0	0.0	0.00	0.0	0.0	0.00
01/19/96	0.0	0.0	0.00	0.0	0.0	0.00
01/20/96	0.0	0.0	0.00	0.0	0.0	0.00
01/21/96	0.0	0.0	0.00	0.0	-0.1	-0.00
01/22/96	0.0	0.0	0.00	0.0	-0.1	-0.06
01/23/96	0.0	0.0	0.00	-0.1	-0.1	-0.10
01/24/96	0.0	0.0	0.00	0.0	-0.1	-0.10
01/25/96	0.0	0.0	0.00	0.0	-0.1	-0.08
01/26/96	0.0	0.0	0.00	0.0	-0.1	-0.05
01/27/96	0.0	0.0	0.00	0.0	-0.1	-0.10
01/28/96	0.0	0.0	0.00	0.0	-0.1	-0.09
01/29/96	0.0	0.0	0.00	0.0	-0.1	-0.03
01/30/96	0.0	0.0	0.00	0.0	0.0	0.00
01/31/96	0.0	0.0	0.00	0.0	0.0	0.00
02/01/96	0.0	0.0	0.00	0.0	-0.1	-0.00
02/02/96	0.0	0.0	0.00	0.0	0.0	0.00
02/03/96	0.0	0.0	0.00	0.0	-0.1	-0.00
02/04/96	0.0	0.0	0.00	0.0	-0.1	-0.03
02/05/96	0.0	0.0	0.00	0.0	-0.1	-0.08
02/06/96	0.2	0.0	0.08	0.0	-0.1	-0.08
02/07/96	0.2	0.2	0.20	0.0	-0.1	-0.09
02/08/96	0.2	0.2	0.20	-0.1	-0.1	-0.10
02/09/96	0.2	0.2	0.20	-0.1	-0.1	-0.10
02/10/96	0.2	0.2	0.20	0.0	-0.1	-0.10
02/11/96	0.2	0.2	0.20	0.0	-0.1	-0.08
02/12/96	0.2	0.2	0.20	0.0	-0.1	-0.07
02/13/96	0.2	0.2	0.20	0.0	-0.1	-0.08
02/14/96	0.2	0.2	0.20	-0.1	-0.1	-0.10
02/15/96	0.2	0.2	0.20	0.0	-0.1	-0.00

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
02/16/96	0.2	0.2	0.20	0.0	0.0	0.00
02/17/96	0.2	0.2	0.20	0.0	0.0	0.00
02/18/96	0.2	0.2	0.20	0.0	0.0	0.00
02/19/96	0.2	0.0	0.16	0.0	0.0	0.00
02/20/96	0.2	0.2	0.20	0.0	0.0	0.00
02/21/96	0.2	0.2	0.20	0.0	0.0	0.00
02/22/96	0.2	0.2	0.20	0.0	0.0	0.00
02/23/96	0.2	0.2	0.20	0.0	0.0	0.00
02/24/96	0.2	0.2	0.20	0.0	0.0	0.00
02/25/96	0.2	0.0	0.15	0.0	-0.1	-0.02
02/26/96	0.0	0.0	0.00	0.0	-0.1	-0.09
02/27/96	0.0	0.0	0.00	0.0	-0.1	-0.04
02/28/96	0.0	0.0	0.00	0.0	-0.1	-0.00
02/29/96	0.0	0.0	0.00	0.0	0.0	0.00
03/01/96	0.0	0.0	0.00	0.0	-0.1	-0.04
03/02/96	0.2	0.0	0.02	0.0	-0.1	-0.04
03/03/96	0.2	0.0	0.06	0.0	-0.1	-0.06
03/04/96	0.0	0.0	0.00	0.0	-0.1	-0.08
03/05/96	0.0	0.0	0.00	0.0	-0.1	-0.08
03/06/96	0.0	0.0	0.00	0.0	-0.1	-0.03
03/07/96	0.2	0.0	0.05	-0.1	-0.1	-0.10
03/08/96	0.2	0.2	0.20	0.0	-0.1	-0.07
03/09/96	0.2	0.0	0.16	0.0	-0.1	-0.01
03/10/96	0.2	0.0	0.14	0.0	0.0	0.00
03/11/96	0.2	0.0	0.03	0.0	-0.1	-0.00
03/12/96	0.2	0.0	0.15	0.0	0.0	0.00
03/13/96	0.2	0.0	0.18	0.0	0.0	0.00
03/14/96	0.0	0.0	0.00	0.0	0.0	0.00
03/15/96	0.0	0.0	0.00	0.0	0.0	0.00
03/16/96	0.0	0.0	0.00	0.0	0.0	0.00
03/17/96	0.2	0.0	0.18	0.0	0.0	0.00
03/18/96	0.2	0.2	0.20	0.0	-0.1	-0.03
03/19/96	0.2	0.2	0.20	0.0	-0.1	-0.08
03/20/96	0.2	0.2	0.20	0.0	-0.1	-0.08
03/21/96	0.2	0.2	0.20	0.0	-0.1	-0.09
03/22/96	0.2	0.2	0.20	0.0	-0.1	-0.06
03/23/96	0.2	0.0	0.03	0.0	-0.1	-0.05
03/24/96	0.0	0.0	0.00	0.0	-0.1	-0.06
03/25/96	0.2	0.0	0.10	0.0	-0.1	-0.03
03/26/96	0.2	0.0	0.19	0.0	-0.1	-0.00
03/27/96	0.2	0.0	0.15	0.0	0.0	0.00
03/28/96	0.2	0.2	0.20	0.0	0.0	0.00
03/29/96	0.2	0.2	0.20	0.0	0.0	0.00
03/30/96	0.2	0.0	0.13	0.0	-0.1	-0.00
03/31/96	0.0	0.0	0.00	0.0	-0.1	-0.03
04/01/96	0.0	0.0	0.00	0.0	-0.1	-0.06
04/02/96	0.2	0.0	0.14	0.0	-0.1	-0.02
04/03/96	0.2	0.2	0.20	0.0	-0.1	-0.03
04/04/96	0.2	0.2	0.20	0.0	-0.1	-0.04
04/05/96	0.2	0.0	0.13	0.0	-0.1	-0.06
04/06/96	0.0	0.0	0.00	0.0	-0.1	-0.09
04/07/96	0.0	0.0	0.00	0.0	-0.1	-0.06
04/08/96	0.2	0.0	0.07	0.0	-0.1	-0.04
04/09/96	0.2	0.0	0.08	0.0	0.0	0.00
04/10/96	0.2	0.0	0.01	0.0	0.0	0.00
04/11/96	0.2	0.0	0.03	0.0	0.0	0.00
04/12/96	0.2	0.0	0.07	0.0	-0.1	-0.01
04/13/96	0.2	0.0	0.09	0.0	-0.1	-0.02
04/14/96	0.2	0.0	0.08	0.0	-0.1	-0.03
04/15/96	0.2	0.0	0.04	0.0	-0.1	-0.01

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
04/16/96	0.2	0.0	0.04	0.0	-0.1	-0.00
04/17/96	0.2	0.0	0.17	0.0	-0.1	-0.08
04/18/96	0.2	0.2	0.20	0.0	-0.1	-0.09
04/19/96	0.4	0.2	0.27	0.0	-0.1	-0.05
04/20/96	0.5	0.2	0.33	0.0	-0.1	-0.07
04/21/96	0.7	0.4	0.48	0.0	-0.1	-0.05
04/22/96	0.7	0.4	0.57	0.0	-0.1	-0.03
04/23/96	0.7	0.5	0.63	0.6	0.0	0.22
04/24/96	0.7	0.4	0.63	1.3	0.3	0.65
04/25/96	0.9	0.5	0.68	1.0	0.3	0.65
04/26/96	1.0	0.7	0.80	1.5	0.5	1.05
04/27/96	1.2	0.9	0.95	2.4	0.7	1.47
04/28/96	1.2	0.9	1.01	2.2	0.7	1.51
04/29/96	1.4	1.0	1.12	3.1	1.5	2.19
04/30/96	1.4	1.0	1.18	2.9	1.4	2.11
05/01/96	1.2	1.0	1.08	2.4	1.4	1.98
05/02/96	1.2	1.0	1.15	2.6	1.7	2.18
05/03/96	1.4	1.0	1.18	3.6	1.5	2.45
05/04/96	1.5	1.0	1.30	3.8	1.5	2.63
05/05/96	1.5	1.2	1.34	3.1	2.2	2.66
05/06/96	1.4	0.9	1.12	2.9	1.4	2.08
05/07/96	1.2	0.7	0.92	3.4	0.9	2.14
05/08/96	1.0	0.7	0.85	2.9	1.2	2.15
05/09/96	1.0	0.7	0.88	3.3	1.4	2.30
05/10/96	1.2	0.7	0.98	4.7	1.4	2.91
05/11/96	1.4	0.9	1.11	5.4	2.1	3.66
05/12/96	1.5	1.2	1.35	5.0	3.4	4.17
05/13/96	1.5	1.4	1.46	4.9	3.8	4.32
05/14/96	1.7	1.4	1.49	5.4	3.6	4.38
05/15/96	1.7	1.4	1.48	5.0	3.4	4.25
05/16/96	1.5	1.2	1.40	5.0	2.9	3.95
05/17/96	1.7	1.2	1.44	5.8	2.7	4.26
05/18/96	1.9	1.7	1.75	5.4	4.1	4.73
05/19/96	2.2	1.5	1.88	5.2	4.0	4.69
05/20/96	2.2	1.0	1.63	5.6	3.4	4.58
05/21/96	2.7	1.2	1.82	6.3	3.6	4.92
05/22/96	3.3	1.5	2.07	6.0	4.1	5.03
05/23/96	3.4	1.4	2.21	7.1	4.3	5.75
05/24/96	2.9	1.0	1.93	6.9	4.5	5.80
05/25/96	2.6	1.2	1.76	6.7	5.2	5.99
05/26/96	2.4	0.9	1.58	6.7	4.1	5.41
05/27/96	2.7	0.9	1.81	6.5	4.1	5.43
05/28/96	3.4	0.9	2.20	6.9	4.5	5.74
05/29/96	3.6	1.2	2.42	7.5	4.9	6.23
05/30/96	4.0	1.4	2.65	7.8	5.8	6.69
05/31/96	4.3	1.4	2.66	8.4	5.6	6.93
06/01/96	3.4	1.7	2.54	8.0	6.5	7.30
06/02/96	3.4	1.9	2.65	9.2	6.3	7.75
06/03/96	3.8	1.5	2.73	8.4	6.3	7.43
06/04/96	4.1	2.1	3.05	7.8	6.7	7.39
06/05/96	4.5	2.1	3.26	8.6	6.1	7.43
06/06/96	4.9	2.7	3.71	8.0	6.5	7.41
06/07/96	4.3	2.6	3.50	7.8	6.5	7.23
06/08/96	4.0	2.2	3.28	7.5	6.0	6.88
06/09/96	4.5	2.6	3.59	7.7	6.1	7.00
06/10/96	4.3	3.1	3.70	7.5	6.5	7.01
06/11/96	4.5	2.7	3.67	7.5	6.1	6.81
06/12/96	5.0	2.6	3.91	7.7	6.0	6.91
06/13/96	4.7	2.9	3.94	7.5	6.3	6.98
06/14/96	4.7	2.4	3.70	7.3	5.4	6.50

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
06/15/96	4.1	3.3	3.78	7.1	6.3	6.75
06/16/96	5.2	2.7	4.02	7.5	5.6	6.59
06/17/96	5.0	3.1	4.10	7.1	5.6	6.47
06/18/96	6.0	4.0	4.99	8.4	6.3	7.32
06/19/96	6.7	4.3	5.58	8.8	6.9	7.80
06/20/96	6.9	4.5	5.78	8.4	6.9	7.74
06/21/96	6.7	5.2	5.98	8.6	7.3	7.93
06/22/96	6.5	5.0	5.85	8.0	7.1	7.58
06/23/96	7.5	4.9	6.17	8.4	6.9	7.69
06/24/96	7.3	5.0	6.33	9.0	7.3	8.13
06/25/96	7.1	5.2	6.32	9.2	7.5	8.44
06/26/96	7.3	5.6	6.61	9.4	7.8	8.58
06/27/96	7.5	5.8	6.68	9.4	8.0	8.75
06/28/96	7.1	5.8	6.44	9.0	8.0	8.58
06/29/96	6.9	5.4	6.25	8.4	7.7	8.11
06/30/96	8.4	6.0	7.08	9.6	7.7	8.55
07/01/96	7.3	5.6	6.57	8.8	7.5	8.26
07/02/96	7.8	5.0	6.48	9.6	6.7	8.14
07/03/96	7.5	6.7	7.08	9.4	8.6	8.95
07/04/96	7.8	6.0	6.87	9.0	8.0	8.57
07/05/96	6.9	6.1	6.51	8.4	7.8	8.07
07/06/96	8.4	5.8	6.99	10.2	7.5	8.73
07/07/96	9.0	6.5	7.93	11.1	8.0	9.51
07/08/96	9.8	8.0	8.72	11.7	10.0	10.64
07/09/96	9.0	8.0	8.42	11.3	10.2	10.77
07/10/96	9.0	7.1	7.97	11.1	9.2	10.18
07/11/96	9.6	7.3	8.32	11.7	8.8	10.23
07/12/96	10.2	8.0	8.91	12.4	9.6	10.93
07/13/96	10.9	8.4	9.46	13.0	10.0	11.38
07/14/96	10.9	8.8	9.69	13.3	10.2	11.70
07/15/96	10.4	9.0	9.48	12.4	10.4	11.50
07/16/96	9.2	7.8	8.56	11.7	9.2	10.60
07/17/96	8.4	7.7	7.89	10.7	9.2	9.67
07/18/96	7.8	7.1	7.52	9.6	9.0	9.31
07/19/96	6.9	6.1	6.40	9.0	8.2	8.54
07/20/96	7.5	6.1	6.84	9.8	8.2	8.90
07/21/96	7.8	6.7	7.32	10.4	9.0	9.70
07/22/96	8.6	6.5	7.59	11.7	9.2	10.32
07/23/96	9.4	6.9	8.20	12.4	9.6	10.94
07/24/96	10.0	7.7	8.92	13.3	10.4	11.74
07/25/96	10.4	8.4	9.42	13.7	11.1	12.31
07/26/96	10.2	8.6	9.61	13.0	11.5	12.33
07/27/96	10.9	8.8	9.91	13.9	11.5	12.75
07/28/96	10.9	9.4	10.22	13.7	11.9	12.93
07/29/96	11.3	9.6	10.44	13.9	11.9	13.06
07/30/96	10.4	8.8	9.51	13.0	11.3	11.95
07/31/96	9.2	8.2	8.77	11.7	10.2	11.10
08/01/96	9.4	8.2	8.72	11.9	10.0	10.99
08/02/96	9.2	7.7	8.43	12.1	9.4	10.81
08/03/96	9.0	8.2	8.58	11.1	9.8	10.50
08/04/96	9.2	8.0	8.50	11.7	9.6	10.64
08/05/96	9.6	7.5	8.42	12.4	9.4	10.87
08/06/96	9.2	8.2	8.77	11.9	10.2	11.21
08/07/96	9.0	8.0	8.51	11.1	9.4	10.38
08/08/96	9.4	8.0	8.71	12.4	9.6	10.98
08/09/96	9.2	8.4	8.72	11.7	10.2	11.03
08/10/96	9.4	8.8	9.00	12.6	10.7	11.59
08/11/96	9.0	8.8	8.95	12.1	10.7	11.28
08/12/96	8.8	8.6	8.68	11.7	10.2	11.16
08/13/96	8.6	8.4	8.53	11.5	9.8	10.78

Table 4. WATER TEMPERATURES (°C) BIVOUAC and LEO CREEKS 1994 - 1996

DATE	BIVOUAC CREEK			LEO CREEK		
	MAX	MIN	MEAN	MAX	MIN	MEAN
08/14/96	8.6	8.2	8.38	11.5	9.2	10.50
08/15/96	8.6	8.2	8.41	11.1	9.6	10.48
08/16/96	8.4	8.0	8.18	10.9	9.6	10.25
08/17/96	8.2	8.0	8.06	10.4	9.2	9.92
08/18/96	8.0	7.8	7.96	10.2	9.0	9.73
08/19/96	8.2	7.8	8.02	10.4	9.2	9.84
08/20/96	8.2	8.0	8.07	10.4	9.0	9.81
08/21/96	8.0	7.8	7.93	10.2	9.0	9.57
08/22/96	8.6	7.8	8.14	11.1	9.2	9.95
08/23/96	8.8	8.4	8.57	11.1	9.8	10.54
08/24/96	8.4	8.0	8.18	10.4	8.6	9.66
08/25/96	8.4	7.8	8.05	10.7	8.6	9.73
08/26/96	8.6	8.0	8.24	10.9	8.8	9.98
08/27/96	8.6	8.2	8.41	10.7	9.0	9.85
08/28/96	9.0	8.4	8.74	10.9	9.8	10.39
08/29/96	10.2	8.8	9.58	11.9	10.2	11.00
08/30/96	10.7	9.6	10.26	11.9	11.1	11.45
08/31/96	9.6	8.8	9.23	11.1	9.8	10.39
09/01/96	9.2	8.4	8.73	10.2	9.4	9.82
09/02/96	8.6	7.1	7.88	9.8	8.0	8.99
09/03/96	8.6	7.8	8.25	9.8	8.8	9.32
09/04/96	7.7	6.3	7.13	9.2	7.3	8.18
09/05/96	7.5	6.1	6.89	8.4	7.1	7.71
09/06/96	7.5	6.5	7.03	8.2	7.3	7.85
09/07/96	7.3	6.5	6.99	8.2	7.5	7.89
09/08/96	7.8	6.7	7.21	8.8	7.5	8.09
09/09/96	8.2	7.1	7.63	9.0	8.0	8.53
09/10/96	7.5	6.1	6.90	8.6	6.9	7.88
09/11/96	8.0	6.7	7.34	9.2	7.3	8.27
09/12/96	8.2	7.3	7.77	9.2	8.2	8.78
09/13/96	8.0	7.3	7.61	9.0	8.2	8.58
09/14/96	8.0	7.5	7.73	9.0	8.4	8.69
09/15/96	7.5	6.5	7.05	8.6	7.7	8.23
09/16/96	7.1	6.1	6.49	8.4	7.1	7.74
09/17/96	6.1	5.0	5.70	7.7	6.1	6.83
09/18/96	7.3	6.1	6.64	8.0	7.1	7.45
09/19/96	6.5	5.4	5.85	7.8	6.3	6.97
09/20/96	5.6	4.5	5.28			6.1
09/21/96	4.5	3.8	4.20			
09/22/96	3.8	3.1	3.48			
09/23/96	3.8	2.7	3.18			
09/24/96	4.3	3.1	3.65			
09/25/96	4.5	4.0				

Table 5. WATER TEMPERATURES (°C) FORFAR and KYNOCH CREEKS, OFF CHANNEL STATIONS, 1995 and 1996.

DATE	FORFAR OFF CHAN UPPER			FORFAR OFF CHAN LOWER			KYNOCHE OFF CHAN LOWER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
04/30/95	3.8								
05/01/95	4.3	1.7	2.80						
05/02/95	4.3	1.9	3.01	data starts April 1996			data starts April 1996		
05/03/95	4.1	2.1	3.06						
05/04/95	4.1	2.1	3.07						
05/05/95	4.9	2.1	3.23						
05/06/95	5.0	2.2	3.41						
05/07/95	4.9	2.4	3.53						
05/08/95	5.0	2.6	3.67						
05/09/95	4.9	3.1	3.92						
05/10/95	4.1	3.6	3.88						
05/11/95	3.8	3.1	3.54						
05/12/95	4.3	2.6	3.53						
05/13/95	4.7	2.2	3.47						
05/14/95	4.7	3.4	3.84						
05/15/95	4.7	3.6	4.18						
05/16/95	4.7	3.4	4.03						
05/17/95	4.7	4.0	4.19						
05/18/95	4.3	3.8	4.09						
05/19/95	4.5	4.0	4.20						
05/20/95	5.0	3.8	4.33						
05/21/95	5.4	4.0	4.45						
05/22/95	5.2	4.0	4.52						
05/23/95	5.6	4.0	4.65						
05/24/95	5.2	4.0	4.53						
05/25/95	5.2	4.0	4.53						
05/26/95	5.4	4.1	4.59						
05/27/95	5.8	4.0	4.48						
05/28/95	4.9	4.0	4.34						
05/29/95	4.7	4.0	4.28						
05/30/95	4.7	4.0	4.27						
05/31/95	4.5	3.8	4.13						
06/01/95	5.0	3.6	4.31						
06/02/95	5.4	3.8	4.53						
06/03/95	5.6	4.0	4.70						
06/04/95	5.2	4.3	4.76						
06/05/95	5.0	4.1	4.55						
06/06/95	5.6	4.0	4.63						
06/07/95	5.6	4.1	4.89						
06/08/95	6.3	4.3	5.10						
06/09/95	6.9	4.3	5.47						
06/10/95	7.1	4.9	5.95						
06/11/95	6.1	5.4	5.78						
06/12/95	5.6	4.7	5.13						
06/13/95	5.4	4.5	4.88						
06/14/95	5.4	4.5	4.96						
06/15/95	5.2	4.7	4.95						
06/16/95	6.1	4.5	5.24						
06/17/95	6.5	5.0	5.69						
06/18/95	6.9	4.9	5.78						
06/19/95	6.9	5.4	6.13						
06/20/95	8.0	5.6	6.69						
06/21/95	7.8	6.1	6.83						
06/22/95	7.7	5.8	6.62						
06/23/95	7.5	5.8	6.52						
06/24/95	6.5	5.8	6.12						
06/25/95	6.3	5.6	5.93						
06/26/95	7.1	5.2	5.96						
06/27/95	7.7	5.4	6.39						
06/28/95	8.0	5.8	6.75						

Table 5. WATER TEMPERATURES (°C) FORFAR and KYNOCH CREEKS, OFF CHANNEL STATIONS, 1995 and 1996.

DATE	FORFAR OFF CHAN UPPER			FORFAR OFF CHAN LOWER			KYNOCHE OFF CHAN LOWER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
06/29/95	8.6	6.0	7.12						
06/30/95	8.2	6.5	7.25						
07/01/95	7.7	6.5	7.09						
07/02/95	8.0	6.9	7.32						
07/03/95	7.7	6.7	7.23						
07/04/95	8.2	6.5	7.20						
07/05/95	8.4	6.5	7.18						
07/06/95	7.7	6.5	6.98						
07/07/95	7.5	6.3	6.92						
07/08/95	7.3	6.5	7.01						
07/09/95	8.8	6.5	7.40						
07/10/95	8.8	7.5	8.17						
07/11/95	8.0	7.3	7.48						
07/12/95	7.7	6.7	7.17						
07/13/95	7.1	6.3	6.80						
07/14/95	7.8	6.3	6.88						
07/15/95	7.5	6.5	6.91						
07/16/95	7.5	6.5	6.98						
07/17/95	8.2	6.7	7.32						
07/18/95	8.2	6.9	7.40						
07/19/95	8.4	7.1	7.65						
07/20/95	9.0	7.7	8.15						
07/21/95	9.0	7.5	8.26						
07/22/95	10.0	7.7	8.43						
07/23/95	9.6	8.0	8.62						
07/24/95	8.2	7.5	7.86						
07/25/95	9.2	7.5	7.91						
07/26/95	9.0	7.3	7.96						
07/27/95	8.6	7.3	7.77						
07/28/95	8.6	6.5	7.43						
07/29/95	10.0	7.5	8.10						
07/30/95	8.0	7.7	7.80						
07/31/95	8.8	7.5	7.88						
08/01/95	9.6	6.9	7.88						
08/02/95	7.8	6.9	7.43						
08/03/95	8.4	7.3	7.85						
08/04/95	9.4	7.7	8.28						
08/05/95	8.8	7.3	7.89						
08/06/95	9.4	6.7	7.61						
08/07/95	8.8	6.9	7.76						
08/08/95	8.8	6.9	7.68						
08/09/95	8.6	6.9	7.60						
08/10/95	8.6	7.1	7.73						
08/11/95	8.4	7.5	7.83						
08/12/95	9.2	7.1	7.92						
08/13/95	8.4	7.5	7.86						
08/14/95	8.0	7.5	7.74						
08/15/95	7.8	6.1	7.13						
08/16/95	8.4	6.5	7.45						
08/17/95	8.4	7.1	7.59						
08/18/95	7.8	7.3	7.53						
08/19/95	8.2	7.3	7.68						
08/20/95	8.2	7.3	7.61						
08/21/95	8.2	7.7	7.82						
08/22/95	8.2	7.5	7.78						
08/23/95	7.8	7.3	7.58						
08/24/95	7.8	6.7	7.28						
08/25/95	7.5	6.9	7.28						
08/26/95	7.5	6.3	6.98						
08/27/95	7.8	6.5	7.08						

Table 5. WATER TEMPERATURES (°C) FORFAR and KYNOCH CREEKS, OFF CHANNEL STATIONS, 1995 and 1996.

DATE	FORFAR OFF CHAN UPPER			FORFAR OFF CHAN LOWER			KYNOCHE OFF CHAN LOWER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
08/28/95	7.5	5.8	6.71						
08/29/95	7.8	5.8	6.81						
08/30/95	7.7	5.8	6.86						
08/31/95	8.0	6.3	7.21						
09/01/95	7.8	6.5	7.23						
09/02/95	8.0	7.1	7.48						
09/03/95	7.8	6.9	7.40						
09/04/95	7.8	6.5	7.25						
09/05/95	8.2	7.3	7.61						
09/06/95	8.0	7.1	7.56						
09/07/95	8.2	7.1	7.57						
09/08/95	8.2	6.9	7.47						
09/09/95	8.2	6.9	7.62						
09/10/95	8.4	7.5	7.91						
09/11/95	9.0	7.8	8.18						
09/12/95	8.8	7.5	7.96						
09/13/95	8.4	6.5	7.44						
09/14/95	8.6	7.1	7.68						
09/15/95	8.2	6.7	7.45						
09/16/95	8.0	6.3	7.08						
09/17/95	8.0	6.5	7.22						
09/18/95	7.7	6.1	6.95						
09/19/95	7.3	5.2	6.17						
09/20/95	7.3	5.0	6.03						
09/21/95			5.4						
04/25/96	0.7								
04/26/96	1.2	0.5	0.80						
04/27/96	2.1	0.7	1.16						
04/28/96	2.1	0.7	1.26						
04/29/96	3.3	0.9	1.57	1.9			2.6		
04/30/96	1.9	0.7	1.15	1.0	0.0	0.28	2.1	0.2	1.05
05/01/96	1.9	0.9	1.31	0.7	0.0	0.25	2.1	0.5	1.15
05/02/96	3.1	1.0	1.65	1.2	0.0	0.37	2.6	0.9	1.60
05/03/96	4.0	1.0	2.03	2.2	0.0	0.64	3.6	0.7	1.93
05/04/96	3.3	1.2	1.99	1.4	0.0	0.46	3.3	0.4	1.74
05/05/96	3.6	1.4	2.10	1.2	0.0	0.48	2.6	0.7	1.52
05/06/96	2.9	1.2	1.84	1.2	0.2	0.55	2.2	0.4	1.24
05/07/96	4.0	1.2	1.92	3.3	0.4	1.41	3.4	0.0	1.43
05/08/96	2.9	1.2	1.78	2.2	1.4	1.81	2.2	0.2	1.20
05/09/96	3.8	1.0	2.02	3.4	1.4	2.19	2.6	0.4	1.45
05/10/96	4.9	1.2	2.23	4.7	1.9	3.13	4.5	0.4	2.09
05/11/96	5.2	1.2	2.41	5.2	2.6	3.86	5.4	0.5	2.68
05/12/96	4.1	1.4	2.53	4.5	3.8	4.16	3.4	1.5	2.50
05/13/96	4.1	1.7	2.86	4.3	3.8	4.15	3.6	1.9	2.58
05/14/96	4.9	2.1	3.03	4.9	3.8	4.31	4.3	1.7	2.67
05/15/96	4.3	1.7	2.84	4.7	4.0	4.28	3.3	1.4	2.30
05/16/96	4.9	1.5	2.90	5.2	4.0	4.37	4.1	0.9	2.40
05/17/96	5.0	1.9	3.09	5.6	4.0	4.55	5.0	0.9	2.75
05/18/96	4.3	2.4	3.33	4.7	4.3	4.46	3.1	1.9	2.52
05/19/96	3.6	2.4	3.10	4.5	4.1	4.24	2.9	1.5	2.23
05/20/96	4.3	2.4	3.26	4.7	4.1	4.27	4.1	1.2	2.49
05/21/96	4.9	2.7	3.66	5.2	4.3	4.67	4.5	1.5	2.75
05/22/96	4.7	2.9	3.72	6.1	4.9	5.35	4.7	1.7	2.99
05/23/96	5.0	3.3	4.08	6.7	5.4	5.99	4.7	1.5	3.09
05/24/96	5.0	3.6	4.18	6.9	6.0	6.42	4.1	1.5	2.85
05/25/96	4.9	3.6	4.23	7.3	6.1	6.57	3.8	1.7	2.59
05/26/96	4.1	3.4	3.80	6.3	5.2	5.66	3.4	1.4	2.35
05/27/96	4.9	3.1	3.85	5.6	4.7	5.12	4.3	1.4	2.81
05/28/96	4.9	3.1	4.00	5.8	4.9	5.14	4.9	1.7	3.09

Table 5. WATER TEMPERATURES (°C) FORFAR and KYNOCH CREEKS, OFF CHANNEL STATIONS, 1995 and 1996.

DATE	FORFAR OFF CHAN UPPER			FORFAR OFF CHAN LOWER			KYNOCHE OFF CHAN LOWER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
05/29/96	5.0	3.3	4.06	6.0	5.0	5.40	4.9	1.9	3.34
05/30/96	4.7	3.4	4.10	6.0	5.4	5.69	4.1	2.2	3.18
05/31/96	5.4	3.4	4.20	6.9	5.8	6.13	5.4	1.9	3.41
06/01/96	4.7	3.8	4.27	6.1	4.0	4.72	4.1	2.2	3.08
06/02/96	4.5	3.8	4.13	4.5	3.6	4.14	4.5	2.2	3.06
06/03/96	4.1	3.3	3.65	4.1	2.9	3.49	4.0	2.1	2.90
06/04/96	4.0	3.1	3.61	4.0	2.4	3.21	4.0	2.1	2.91
06/05/96	4.0	2.7	3.44	4.1	2.4	3.13	4.3	2.2	3.17
06/06/96	4.1	2.9	3.49	4.3	2.6	3.10	4.5	2.6	3.28
06/07/96	4.1	2.9	3.49	4.3	2.4	3.19	4.5	2.4	3.34
06/08/96	3.8	2.4	3.09	3.8	2.1	3.03	4.1	2.1	3.23
06/09/96	4.3	2.7	3.42	4.3	2.2	3.24	4.7	2.2	3.48
06/10/96	4.3	3.6	4.05	4.1	2.7	3.33	4.3	2.9	3.50
06/11/96	4.3	3.8	4.10	4.1	2.4	3.32	4.3	2.4	3.45
06/12/96	4.9	4.0	4.29	4.9	2.4	3.64	5.4	2.6	3.98
06/13/96	4.9	4.0	4.26	4.7	2.7	3.69	5.4	2.9	4.08
06/14/96	4.7	3.4	4.03	4.7	2.4	3.61	5.4	2.4	4.00
06/15/96	4.1	3.4	3.82	4.1	3.1	3.74	4.5	3.3	3.94
06/16/96	4.7	3.3	3.88	4.9	2.7	3.78	5.4	2.9	4.06
06/17/96	4.5	3.4	3.99	4.7	3.1	3.88	4.9	3.1	4.08
06/18/96	5.2	3.6	4.33	5.4	3.6	4.34	6.3	3.8	4.99
06/19/96	5.0	4.0	4.46	5.8	3.8	4.56	6.3	4.0	5.17
06/20/96	4.9	4.0	4.48	5.2	3.4	4.27	6.1	3.6	4.87
06/21/96	5.2	4.1	4.57	5.2	3.6	4.42	5.6	4.0	4.71
06/22/96	5.0	4.1	4.55	5.0	3.4	4.16	5.6	3.6	4.61
06/23/96	5.0	4.1	4.49	5.2	3.4	4.23	6.1	3.8	4.92
06/24/96	5.6	4.0	4.68	6.0	3.4	4.53	6.7	3.8	5.25
06/25/96	5.2	4.1	4.67	5.6	3.4	4.52	6.7	4.0	5.32
06/26/96	5.0	4.1	4.60	5.8	3.8	4.73	7.1	4.3	5.59
06/27/96	5.2	4.3	4.68	5.8	3.8	4.72	6.3	4.1	5.40
06/28/96	5.0	4.3	4.66	5.4	4.0	4.71	6.5	4.3	5.38
06/29/96	5.4	4.1	4.67	5.0	4.0	4.53	6.3	4.3	5.43
06/30/96	5.6	4.3	4.85	5.6	4.5	4.95	7.7	4.9	6.21
07/01/96	5.4	4.3	4.81	5.6	4.1	4.80	6.9	4.3	5.69
07/02/96	6.0	4.0	4.82	5.2	4.1	4.53	7.5	4.0	5.83
07/03/96	5.4	4.7	4.93	5.4	4.5	4.95	6.7	5.6	6.20
07/04/96	5.4	4.7	4.95	5.4	5.0	5.16	6.9	5.0	5.98
07/05/96	5.4	4.7	5.05	5.4	5.0	5.24	7.3	5.2	6.10
07/06/96	6.5	4.7	5.37	6.3	5.2	5.60	8.4	5.2	6.75
07/07/96	6.7	4.7	5.49	6.5	6.0	6.16	9.0	5.6	7.42
07/08/96	6.7	5.0	5.70	6.9	6.0	6.29	8.8	7.1	7.90
07/09/96	6.1	5.4	5.75	6.9	6.1	6.54	8.0	6.3	7.18
07/10/96	6.5	5.0	5.60	7.1	6.7	6.91	8.8	5.8	7.20
07/11/96	6.9	4.9	5.72	7.3	6.5	6.86	9.6	6.3	7.91
07/12/96	7.1	5.2	6.04	7.5	6.7	7.03	10.0	7.1	8.60
07/13/96	7.5	5.4	6.28	7.8	7.1	7.40	10.7	7.5	9.13
07/14/96	7.7	5.6	6.43	8.4	7.5	7.82	10.9	7.8	9.42
07/15/96	6.9	5.8	6.27	8.4	7.8	8.08	10.2	8.2	9.17
07/16/96	7.3	5.4	6.03	8.6	8.2	8.39	9.6	7.3	8.39
07/17/96	6.7	5.6	5.96	8.6	7.3	8.12	8.0	7.3	7.49
07/18/96	6.9	6.5	6.72	7.3	6.7	7.06	7.5	6.9	7.14
07/19/96	6.5	5.8	6.01	6.9	5.8	6.20	6.9	6.0	6.24
07/20/96	6.9	6.0	6.40	7.1	6.1	6.58	7.8	6.1	6.96
07/21/96	7.1	6.3	6.67	7.3	6.9	7.18	8.4	6.9	7.72
07/22/96	7.7	6.1	6.77	8.2	7.3	7.55	9.6	7.1	8.37
07/23/96	7.8	6.0	6.85	8.6	7.5	7.90	10.4	7.5	8.87
07/24/96	8.0	6.1	6.93	9.0	7.8	8.33	11.1	8.0	9.47
07/25/96	8.2	6.3	7.11	9.4	8.4	8.84	11.5	8.4	9.89
07/26/96	7.8	6.3	7.03	9.6	9.0	9.24	11.7	9.2	10.34
07/27/96	8.2	6.3	7.16	10.2	9.2	9.67	12.1	9.4	10.75

Table 5. WATER TEMPERATURES (°C) FORFAR and KYNOCH CREEKS, OFF CHANNEL STATIONS, 1995 and 1996.

DATE	FORFAR OFF CHAN UPPER			FORFAR OFF CHAN LOWER			KYNOCHE OFF CHAN LOWER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
07/28/96	8.0	6.7	7.30	10.2	9.8	9.98	11.9	10.0	11.12
07/29/96	8.0	6.7	7.35	10.7	10.0	10.33	13.0	10.2	11.55
07/30/96	7.5	6.5	6.96	11.1	10.4	10.73	11.5	9.6	10.23
07/31/96	7.3	6.5	6.83	10.9	10.4	10.70	10.2	8.6	9.50
08/01/96	7.3	6.3	6.73	10.9	10.4	10.58	10.4	8.6	9.60
08/02/96	7.5	6.1	6.74	10.9	9.8	10.43	11.5	8.2	9.70
08/03/96	7.1	6.7	6.93	10.7	10.4	10.45	10.4	8.8	9.63
08/04/96	7.8	6.5	7.14	11.5	10.2	10.73	11.5	8.8	9.92
08/05/96	7.8	6.7	7.29	11.3	10.4	10.95	11.9	8.8	10.21
08/06/96	8.2	7.1	7.64	11.9	11.1	11.48	11.7	9.4	10.46
08/07/96	7.7	6.7	7.23	11.7	10.2	10.90	10.2	8.6	9.53
08/08/96	8.0	6.9	7.45	12.1	10.7	11.27	11.9	9.0	10.28
08/09/96	8.0	7.3	7.74	12.1	11.3	11.78	11.7	9.6	10.67
08/10/96	8.8	7.7	8.15	13.9	11.7	12.60	13.0	10.2	11.62
08/11/96	8.6	7.5	7.95	13.7	11.7	12.55	11.9	10.2	11.16
08/12/96	8.0	7.1	7.69	12.6	10.9	11.93	11.7	9.6	10.74
08/13/96	8.0	6.9	7.56	12.6	10.2	11.44	11.7	9.2	10.49
08/14/96	8.0	6.7	7.53	13.3	9.8	11.56	11.3	9.0	10.33
08/15/96	8.0	7.1	7.58	12.6	10.4	11.60	11.1	9.8	10.58
08/16/96	8.0	6.9	7.43	12.6	9.6	11.00	11.1	9.0	10.15
08/17/96	8.0	6.9	7.48	11.7	9.4	10.61	11.1	9.2	10.25
08/18/96	7.7	6.5	7.28	11.5	9.4	10.65	10.4	9.0	9.93
08/19/96	8.2	6.9	7.36	12.1	10.0	10.93	11.1	9.4	10.11
08/20/96	8.6	6.7	7.55	12.8	9.4	10.87	10.4	8.8	9.73
08/21/96	7.8	6.5	7.14	11.5	9.4	10.57	10.0	9.0	9.58
08/22/96	8.2	6.9	7.45				10.4	9.0	9.68
08/23/96	9.0	7.3	7.96				11.5	9.4	10.50
08/24/96	7.8	6.1	7.15	channel dry			11.7	8.4	10.22
08/25/96	8.0	6.1	7.12				12.1	9.2	10.75
08/26/96	8.4	6.1	7.22				12.4	9.4	11.08
08/27/96	7.8	6.1	7.08				11.7	9.6	10.73
08/28/96	8.0	6.7	7.42				11.7	10.2	11.11
08/29/96	8.8	6.9	7.84				12.6	10.7	11.54
08/30/96	8.8	7.8	8.37				11.5	10.7	11.06
08/31/96	9.0	7.8	8.47	12.1	10.9	11.62	11.1	9.2	10.05
09/01/96	8.6	7.3	7.85	11.9	10.7	11.10	10.0	8.8	9.32
09/02/96	7.3	6.0	6.79	10.4	8.2	9.38	9.8	7.5	8.53
09/03/96	7.7	6.7	7.15	11.1	9.8	10.42	9.6	8.4	8.83
09/04/96	7.1	5.4	6.35	9.8	6.9	8.50	9.2	6.9	8.00
09/05/96	7.1	5.4	6.17	8.8	6.7	8.01	8.0	6.3	7.34
09/06/96	7.1	6.0	6.46	9.2	7.5	8.33	8.4	6.9	7.61
09/07/96	7.1	6.1	6.53	9.0	7.7	8.34	7.8	7.1	7.45
09/08/96	7.3	6.1	6.61	9.8	7.7	8.69	8.2	6.9	7.52
09/09/96	7.3	6.3	6.66	10.2	8.4	9.19	8.6	7.3	7.85
09/10/96	7.1	5.6	6.31	10.2	7.1	8.55	9.0	6.3	7.43
09/11/96	7.1	5.6	6.41	11.1	7.3	9.02	9.4	6.5	7.73
09/12/96	7.5	6.1	6.75	11.5	8.6	9.85	9.2	7.3	8.17
09/13/96	7.1	6.1	6.57	10.2	8.6	9.35	8.2	7.5	7.87
09/14/96	7.1	6.3	6.71	10.4	9.2	9.68	8.6	7.8	8.03
09/15/96	6.9	6.1	6.52	9.8	7.8	8.73	8.6	7.1	7.68
09/16/96	6.7	5.6	6.17	8.6	6.9	7.70	8.4	6.5	7.29
09/17/96	6.3	4.9	5.58	8.0	5.0	6.45	7.5	5.4	6.39
09/18/96	6.9	6.1	6.43	9.6	7.5	8.35	8.0	6.5	7.08
09/19/96	6.5	5.2	5.95	8.0	6.0	6.91	7.3	5.6	6.45
09/20/96	6.1	4.9	5.55		5.2		6.3	5.0	5.80
09/21/96	5.6	4.3	4.84				5.2	4.0	4.64
09/22/96	5.2	3.8	4.48					4.1	
09/23/96	5.4	3.8	4.43						
09/24/96			4.0						