ENVIRONMENT CANADA
ENVIRONMENTAL PROTECTION SERVICE
PACIFIC AND YUKON REGION

KAMLOOPS LAKE

A DATA REPORT ON RECEIVING WATER DATA COLLECTED AS PART OF THE FEDERAL-PROVINCIAL TASK FORCE (MARCH 1974 TO APRIL 1975) AND BY EPS IN 1976

Regional Program Report No. 85-07

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

A Federal-Provincial Task Force was established in 1973 to determine the source and effects of nutrients, foaming agents, and fish tainting substances on the Thompson River system including Kamloops Lake. Detailed limnological studies were conducted on Kamloops Lake (Federal-Provincial Task Force, 1976). Based on the Task Force findings a monitoring program for Kamloops Lake was established. This program was incorporated into Weyerhaeuser Canada's Waste Management Permit (PE1199) and required that lake surveys to be conducted every spring and fall on a biennial basis.

Weyerhaeuser Canada, conducted surveys in 1978, 1980 and 1982. A review of the lake studies by Regulatory Agencies identified the need to report certain parts of the original Task Force data in a form that could be better utilized by Weyerhaeuser in their lake study assessments. St. John et al, 1976 reported on the chemical/physical limnology of Kamloops Lake while Kelso and Derksen, 1976 reported on the standing crop of plankton in Kamloops Lake.

Data collected in those studies has been tabulated here in a monthly format to help facilitate comparisons with post-Task Force studies. Additional data collected by the Environmental Protection Service (EPS) in April and September, 1976 has also been reported here. Sample sites are shown on Figure 1.

2.0 METHODS

St. John et al, 1976 and Kelso and Derksen, 1976 should be consulted for a description of field methods. The water chemistry analytical methods for the Task Force data are reported in Appendix 1 (NAQUADAT, 1983). Analytical methods used by EPS in 1976 are reported by Anon, 1976.

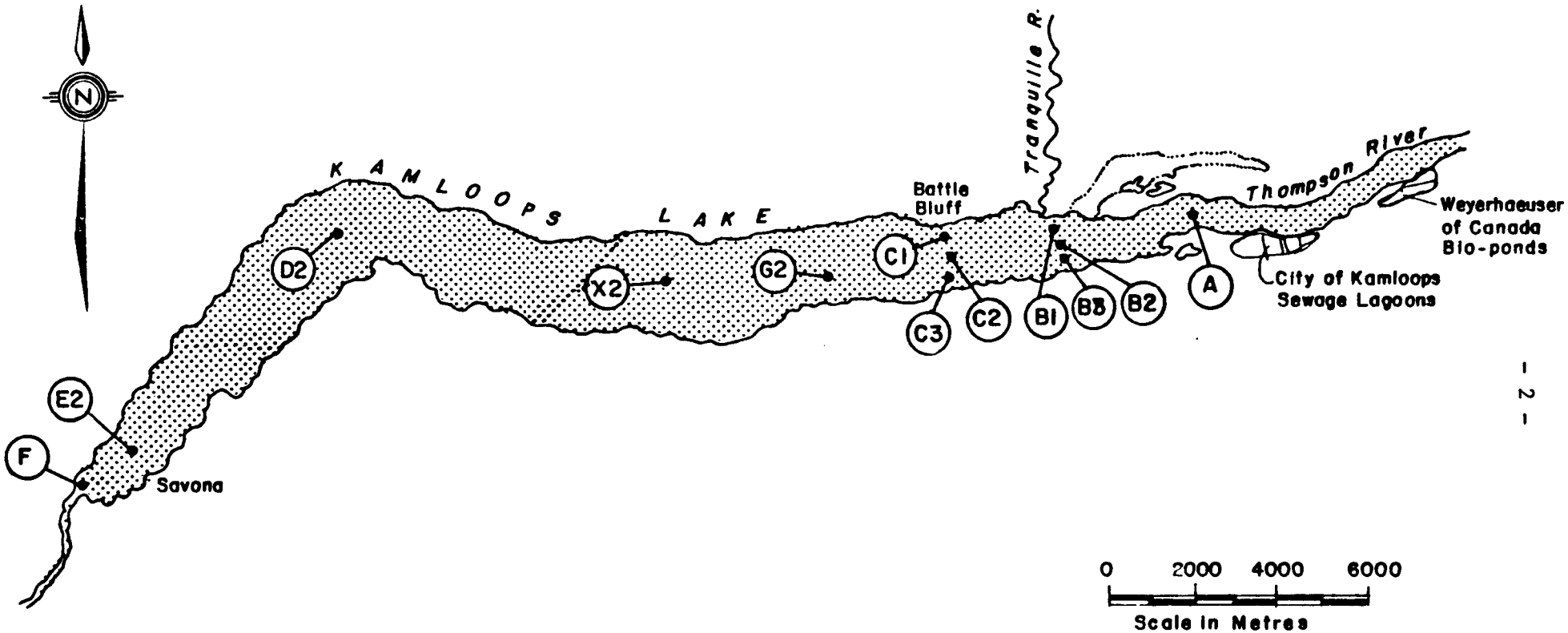

FIGURE 1 KAMLOOPS LAKE SAMPLE SITES

3.0 RESULTS

The period of data collection extended from March, 1974 to April 1975. The March, 1974 results are reported in Table 1 and each subsequent month is reported chronologically up to April, 1975 (Table 14). The results have been reported in a consistent fashion for each Table:

(a) Depth, Specific Conductance, Turbidity, Apparent Colour, Dissolved Oxygen, Oxygen Saturation and Temperature

(b) Depth, pH, Total Alkalinity, Total Inorganic Carbon, Total Organic Carbon and Particulate Carbon

(c) Depth, Total Phosphorus, Dissolved Phosphorous, Particulate Phosphorous and Reactive Silica

(d) Depth, Nitrate plus Nitrite, Ammonia, Particulate Nitrogen, Total Nitrogen and Dissolved Organic Nitrogen

(e) Photic Zone, Depth, Chlorophyll-a and Ash-Free Dry Weight

(f) Zooplankton (#20 mesh)

The results for the EPS 1976 surveys are reported in Appendices 2 and 3 and in an identical format to the 1974/75 Task Force data.

4.0 DISCUSSION

The reporting of the 1974/75 Task Force data in a standard format should aid in the review of post-Task Force studies. Individual monthly results can be consulted for water quality parameters, chlorophyll-a and ash-free dry weight. For zooplankton, the organisms are reported by individual haul (#/m^3) and the mean, standard deviation and 95% confidence limits calculated.

REFERENCES

Anon. Pollution Sampling Handbook, Environment Canada, Pacific Region, Laboratory Services (1976).

Federal Provincial Task Force. Sources and Effects of Algal Growth, Colour, Foaming and Fish Tainting in the Thompson River System, Federal-Provincial Thompson River Task Force, July (1976).

Kelso, B.W. and G. Derksen. The Standing Crop of Plankton in Kamloops Lake, B.C., from March, 1974 to April, 1975. Environmental Protection Service, Pacific and Yukon Region, Report No. EPS 5-PR-75-2 (1976).

NAQUADAT. Dictionary of Parameter Codes, Data Systems Section, Water Quality Branch, Environment Canada, Ottawa (1983).

St. John, B.E., E.C. Carmack, R.J. Daley, D.B.J. Gray and C.H. Pharo. The Limnology of Kamloops Lake, B.C. Inland Waters Directorate, Pacific and Yukon Region, June (1976).

ACKNOWLEDGEMENTS

Thanks are extended to Martin Peter and Tessa Wong for their help in tabulating the data.

The 1974/75 water quality data was provided courtesy of the National Water Research Institute, Inland Waters Directorate, Environment Canada, West Vancouver. Thanks are extended to Colin Gray for editing the Task Force water quality data.

TABLE 1(a) KAMLOOPS LAKE WATER QUALITY - March, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	144	4.5	-	12.50	97.23	2.1
B1	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
B2	1	107	0.70		12.25	95.29	2.1
	28	112	0.28		11.90	92.57	2.1
	35	-	-		-	-	2.1
	60	108	0.34		11.90	92.57	2.1
	65	122	2.80		12.15	94.51	2.1
B3	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
C1	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
C2	1	104	0.38		12.20	95.18	2.2
	28	102	0.28		12.50	97.52	2.2
	35	102	0.54		12.10	94.40	2.2
	60	103	0.34		12.20	95.18	2.2
	140	103	1.10		12.00	93.62	2.2
C3	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-
	-	-	-		-	-	-

Continued...

TABLE 1(a) KAMLOOPS LAKE WATER QUALITY - March, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	104	0.49		12.20	94.90	2.1
	28	102	0.35		12.10	94.12	2.1
	35	98	0.27		12.15	94.51	2.1
	60	108	0.33		12.10	94.12	2.1
	144	105	3.60		11.95	94.01	2.5
X2	1	104	0.27		12.30	95.68	2.1
	28	104	0.29		12.30	95.68	2.1
	35	104	0.28		12.00	93.34	2.1
	60	103	0.27		12.50	97.23	2.1
	112	105	0.72		12.10	94.12	2.1
D2	1	104	0.49		-	-	2.2
	28	102	0.38		11.80	92.06	2.2
	35	103	0.39		-	-	2.2
	60	102	0.23		12.30	95.96	2.2
	125	103	0.42		11.55	90.11	2.2
E2	1	103	0.28		12.40	96.45	2.1
	28	103	0.30		12.35	96.07	2.1
	35	102	0.33		12.35	96.07	2.1
	-	-	-		-	-	-
	44	102	0.30		12.45	96.84	2.1
F	0	104	0.69		12.45	96.84	2.1

TABLE 1(b) KAMLOOPS LAKE WATER QUALITY - March, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.7	48.2	7.3	5.6	
B1	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
B2	1	7.5	37.5	5.0	2.8	
	28	7.5	38.2	4.9	2.3	
	35	-	-	-	-	
	60	7.6	38.1	6.5	3.0	
	65	7.6	40.4	7.2	3.4	
B3	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
C1	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
C2	1	7.5	37.5	6.8	4.0	
	28	7.5	37.5	5.5	2.9	
	35	7.8	37.8	3.7	3.0	
	60	7.5	37.6	6.6	3.7	
	140	7.5	40.4	7.1	3.4	
C3	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	

Continued...

TABLE 1(b) KAMLOOPS LAKE WATER QUALITY - March, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.5	37.8	6.5	2.9	
	28	7.5	37.1	6.2	3.4	
	35	7.6	37.2	6.3	2.3	
	60	7.5	37.3	6.5	2.7	
	144	7.5	38.9	6.8	2.8	
X2	1	7.5	36.9	6.4	3.8	
	28	7.5	37.1	6.2	3.9	
	35	7.7	37.5	6.3	3.4	
	60	7.6	37.1	5.0	2.8	
	112	7.6	37.7	6.6	3.5	
D2	1	7.4	36.5	6.6	3.0	
	28	7.5	36.4	6.6	3.0	
	35	7.8	37.1	5.9	3.2	
	60	7.5	35.9	6.8	3.1	
	125	7.4	36.4	6.5	3.0	
E2	1	7.4	36.6	5.8	4.3	
	28	7.4	36.4	5.8	3.2	
	35	7.7	36.6	-	-	
	-	-	-	-	-	
	44	7.5	36.3	6.3	3.8	
F	0	7.5	36.9	-	-	

TABLE 1(c) KAMLOOPS LAKE WATER QUALITY - March, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	97	44	53	5.9
B1	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
B2	1	17	10	7	5.7
	28	12	8	4	5.7
	35	-	-	-	-
	60	12	7	5	5.7
	65	33	13	20	5.7
B3	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
C1	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
C2	1	9	7	2	5.7
	28	9	6	3	5.7
	35	19	5	14	5.7
	60	10	5	5	5.7
	140	39	12	27	5.7
C3	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-

Continued...

TABLE 1(c) KAMLOOPS LAKE WATER QUALITY - March, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	7	7	-	5.6
	28	8	5	3	5.6
	35	9	5	4	5.6
	60	6	5	1	5.6
	144	22	7	15	5.6
X2	1	8	6	2	5.6
	28	7	6	1	5.6
	35	7	4	3	5.6
	60	9	5	4	5.6
	112	13	6	7	5.6
D2	1	15	10	5	5.7
	28	14	10	4	5.6
	35	95	85	10	5.6
	60	11	8	3	5.6
	125	9	6	3	5.1
E2	1	10	8	2	5.6
	28	11	9	2	5.6
	35	9	7	2	5.6
	-	-	-	-	-
	44	9	6	3	5.6
F	0	16	-	-	5.6

*Calculated from TP-TDP

TABLE 1(d) KAMLOOPS LAKE WATER QUALITY - March, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	72	86		263	349	
B1	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
B2	1	104	< 5		50	154	
	28	102	< 5		29	131	
	35	-	-		-	-	
	60	101	< 5		38	139	
	65	96	32		65	161	
B3	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
C1	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
C2	1	104	< 5		39	143	
	28	101	< 5		33	134	
	35	102	< 5		32	134	
	60	104	< 5		43	147	
	140	98	31		152	250	
C3	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	
	-	-	-		-	-	

Continued...

TABLE 1(d) KAMLOOPS LAKE WATER QUALITY - March, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	101	6		100	201	
	28	101	< 5		49	150	
	35	102	7		54	156	
	60	100	7		47	147	
	144	95	17		63	158	
X2	1	104	8		84	188	
	28	101	28		68	169	
	35	102	11		61	163	
	60	100	8		-	-	
	112	102	12		70	172	
D2	1	108	< 5		94	202	
	28	105	< 5		50	155	
	35	108	< 5		100	208	
	60	105	8		89	194	
	125	105	< 5		49	154	
E2	1	104	< 5		45	149	
	28	107	< 5		50	157	
	35	107	< 5		56	163	
	-	-	-		-	-	
	44	106	25		66	172	
F	0	117	17		264	381	

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 1(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - March, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	0.3	
		2	0.1	
		4	< 0.1	
		6	< 0.1	
		10	< 0.1	
		15	0.2	
		20	0.2	
C2		0	0.1	
		2	0.2	
		4	0.2	
		6	0.1	
		10	0.1	
		15	0.2	
		20	< 0.1	
G2		0	0.1	
		2	0.1	
		4	3.5	
		6	< 0.1	
		10	0.1	
		15	0.1	
		20	0.2	
X2		0	0.4	
		2	< 0.1	
		4	< 0.1	
		6	< 0.1	
		10	< 0.1	
		15	< 0.1	
		20	< 0.1	
D2		0	< 0.1	
		2	< 0.1	
		4	< 0.1	
		6	< 0.1	
		10	0.1	
		15	0.1	
		20	< 0.1	
E2		0	0.3	
		2	0.1	
		4	0.1	
		6	0.1	
		10	< 0.1	
		15	0.2	
		20	0.1	

*Monthly Maximum Depth = 15 m

TABLE 1(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi														
Cylops biscupidatus thomasi														
Epischura nevadensis														
Other														
CLADOCERA														
Daphnia longispina														
Bosmina longirostris														
Leptodora kindtii														
Heolopedium gibberum														
Other														
ROTIFERA														
Kellicottia longispina														
Keratella sp.														
Notholoca sp.														
Asplanchna sp.														
Other														
NAUPLIUS														
OTHER CLASSES														

Continued...

TABLE 1(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	3791	2150	2738		2893	831	1366 - 4420	2567	3016	2583		2722	255	2254 - 3190
Cylops biscupidatus thomasi	380	342	257		329	63	211 - 442	417	706	556		560	144	294 - 825
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	16	21	11		6	5	7 - 25	0	32	32		21	18	-13 - 55
Bosmina longirostris	160	107	86		118	38	48 - 188	21	235	187		148	112	-59 - 354
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	43	37	32		37	5	27 - 47	48	43	48		46	3	41 - 52
Keratella sp.	144	273	171		196	68	71 - 321	118	374	840		444	366	-228 - 1116
Notholoca sp.	64	64	16		48	28	-3 - 99	48	27	48		41	12	19 - 63
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	21	26	47		31	14	6 - 57	5	10	43		19	21	-19 - 57
NAUPLIUS	9914	5690	7048		7551	2156	3589 -11512	7337	11519	8000		8952	2248	4823 -13081
OTHER CLASSES	16	0	0		5	9	-12 - 22	27	27	70		41	25	-4 - 87

Continued...

TABLE 1(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2738	2920	5230		3629	1389	1077 - 6181	4096	2139	2160		2798	1124	734 - 4863
Cyclops biscupidatus thomasi	321	449	684		485	184	146 - 823	197	610	406		404	206	25 - 784
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	0	11	64		25	34	-38 - 88	76	11	21		36	35	-28 - 100
Bosmina longirostris	118	53	257		143	104	-49 - 334	235	321	171		242	75	104 - 381
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	32	32	96		53	37	-15 - 121	53	139	118		103	45	21 - 186
Keratella sp.	588	225	476		430	186	88 - 771	909	1155	1412		1158	251	697 - 1621
Notholoca sp.	32	16	27		25	8	10 - 40	-	-	-		-	-	-
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	5	21	42		23	19	-11 - 57	118	300	149		189	97	10 - 368
NAUPLIUS	4321	7401	10588		7437	3134	1680 -13194	2503	4652	12364		6506	5185	-3020 -16032
OTHER CLASSES	48	70	150		89	54	-9 - 188	-	-	-		-	-	-

TABLE 2(a) KAMLOOPS LAKE WATER QUALITY - April, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	97.1	3.4	15	11.42	107.68	9.6
B1	1	97.2	2.5	15	-	-	9.5
	15	102	2.2	10	11.62	103.29	7.2
	20	107	1.8	10	11.70	99.09	5.3
	49	107	1.7	10	11.85	99.87	5.1
	-	-	-	-	-	-	-
B2	1	96.6	2.9	15	11.45	106.42	9.0
	15	105	1.2	10	12.15	102.15	5.0
	20	106	0.95	10	11.65	96.62	4.5
	58	106	1.0	5	11.48	95.21	4.5
	-	-	-	-	-	-	-
B3	1	100	1.8	10	-	-	9.0
	15	105	0.93	10	11.92	99.89	4.9
	20	106	1.0	10	12.30	102.58	4.7
	68	106	1.1	10	11.98	98.57	4.2
	-	-	-	-	-	-	-
C1	1	99.4	2.6	15	-	-	8.8
	28	105	0.93	10	11.65	98.18	5.1
	45	105	0.89	10	11.99	98.87	4.3
	60	105	0.85	10	11.50	94.92	4.3
	140	108	1.6	10	11.47	94.67	4.3
C2	1	103	2.4	15	-	-	
	28	104	1.3	10	11.7	96.27	7.0
	45	105	1.0	10	12.00	98.73	4.2
	60	105	0.94	10	11.98	98.57	4.2
	129	107	1.0	10	11.72	96.43	4.2
C3	1	103	2.1	15	11.32	100.11	7.0
	28	105	1.0	10	12.00	98.27	4.0
	45	105	1.0	10	12.00	98.27	4.0
	60	106	1.7	10	-	-	4.0
	104	107	1.0	10	11.91	97.22	3.9

Continued...

TABLE 2(a) KAMLOOPS LAKE WATER QUALITY - April, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	103	2.1	10	11.60	101.04	6.4
	23	106	1.1	10	-	-	4.0
	45	106	1.0	10	11.65	95.40	4.0
	60	106	1.1	10	12.20	99.91	4.0
	130	109	1.7	10	11.37	92.82	3.9
X2	1	105	1.5	10	11.35	93.39	4.2
	25	105	0.90	10	12.00	98.50	4.1
	45	105	0.63	10	11.78	96.69	4.1
	60	105	0.74	10	11.90	97.45	4.0
	90	105	0.74	10	-	-	3.9
D2	1	104	0.95	10	-	-	4.1
	28	103	0.60	10	12.20	99.91	4.0
	45	103	0.74	10	12.20	99.91	4.0
	60	105	0.47	10	-	-	4.0
	114	105	0.82	10	12.00	98.27	4.0
E2	1	103	0.74	10	11.46	93.85	4.0
	-	-	-	-	-	-	-
	28	103	0.71	10	12.20	99.59	3.9
	35	105	0.66	10	12.19	99.51	3.9
	39	103	1.3	10	12.50	102.04	3.9
F	0	105	0.80	10	12.62	103.34	4.0

TABLE 2(b) KAMLOOPS LAKE WATER QUALITY - April, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.7	37.4	4.8	1.2	
B1	1	7.6	38.6	9.7	4.0	
	15	7.5	38.1	9.7	6.8	
	20	7.4	38.3	9.2	6.8	
	49	7.5	38.6	10.1	4.6	
	-	-	-	-	-	
B2	1	7.7	37.5	9.7	4.3	
	15	7.4	38.5	9.7	3.0	
	20	7.5	38.6	10.1	3.9	
	58	7.5	38.8	9.2	3.0	
	-	-	-	-	-	
B3	1	7.5	37.8	9.2	4.8	
	15	7.4	38.6	9.7	5.0	
	20	7.7	39.2	9.7	5.0	
	68	7.6	38.3	9.7	4.8	
	-	-	-	-	-	
C1	1	7.5	37.7	10.1	4.9	
	28	7.5	38.8	9.7	4.5	
	45	7.5	38.5	9.7	4.5	
	60	7.5	38.7	10.1	4.1	
	140	7.6	39.5	9.7	4.5	
C2	1	7.6	38.0	8.7	4.3	
	28	7.5	38.7	9.7	3.5	
	45	7.5	38.8	9.7	4.0	
	60	7.6	38.8	9.7	5.0	
	129	7.5	39.1	9.7	3.0	
C3	1	7.7	38.8	9.7	5.0	
	28	7.4	38.7	10.1	5.4	
	45	7.4	38.4	10.1	4.1	
	60	7.5	38.8	10.1	3.9	
	104	7.4	38.8	9.7	4.0	

Continued...

TABLE 2(b) KAMLOOPS LAKE WATER QUALITY - April, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.6	38.6	9.2	5.0	
	23	7.7	39.2	-	-	
	45	7.5	38.9	-	-	
	60	7.4	39.0	7.2	6.0	
	130	7.4	39.4	9.7	8.0	
X2	1	7.6	39.0	10.1	5.4	
	25	7.5	38.8	9.7	4.5	
	45	7.7	38.8	9.7	5.0	
	60	7.6	38.8	10.1	4.4	
	90	7.4	38.8	10.1	5.6	
D2	1	7.4	38.4	8.7	6.0	
	28	7.5	38.3	9.2	3.8	
	45	7.7	38.4	9.7	5.0	
	60	7.7	38.8	9.7	2.8	
	114	7.5	38.8	9.2	3.8	
E2	1	7.7	38.3	9.2	2.3	
	-	-	-	-	-	
	28	7.5	38.6	10.1	3.1	
	35	7.5	38.1	9.2	1.3	
	39	7.6	38.2	9.2	2.0	
F	0	7.7	38.2	10.1	2.9	

TABLE 2(c) KAMLOOPS LAKE WATER QUALITY - April, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	16	6	10	6.3
B1	1	14	< 2	12	6.5
	15	14	2	12	6.5
	20	9	< 2	7	6.2
	49	8	< 2	6	5.9
	-	-	-	-	-
B2	1	11	2	9	6.3
	15	9	2	7	5.9
	20	10	5	5	5.9
	58	9	4	5	5.9
	-	-	-	-	-
B3	1	13	< 2	11	6.2
	15	9	< 2	7	5.9
	20	12	3	9	5.9
	68	11	3	8	5.9
	-	-	-	-	-
C1	1	11	< 2	9	6.7
	28	8	< 2	6	5.8
	45	7	3	4	5.8
	60	8	< 2	6	5.8
	140	7	< 2	5	5.8
C2	1	16	< 2	14	6.1
	28	9	< 2	7	5.8
	45	8	2	6	5.8
	60	8	2	6	5.8
	129	9	9.6	(-0.6)	5.8
C3	1	9	< 2	7	6.1
	28	10	3	7	5.8
	45	8	3	5	5.8
	60	8	3	5	5.8
	104	9	2	7	5.8

Continued...

TABLE 2(c) KAMLOOPS LAKE WATER QUALITY - April, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	10	< 2	8	6.5
	23	9	3	6	5.8
	45	9	< 2	7	5.8
	60	8	2	6	5.8
	130	13	4	9	5.8
X2	1	13	6	7	6.2
	25	6	< 2	4	5.8
	45	4	< 2	2	5.8
	60	5	< 2	3	5.7
	90	4	2	2	5.7
D2	1	4	4	0	5.6
	28	4	3	1	5.6
	45	6	4	2	5.6
	60	5	2	3	5.6
	114	5	< 2	3	5.7
E2	1	24	3	21	5.7
	-	-	-	-	-
	28	7	3	4	5.7
	35	6	3	3	5.7
	39	8	3	5	5.7
F	0	20	11	9	5.7

*Calculated from TP-TDP

TABLE 2(d) KAMLOOPS LAKE WATER QUALITY - April, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	54	5		210	264	
B1	1	69	6		197	266	
	15	101	< 5		143	244	
	20	131	< 5		144	275	
	49	113	< 5		161	274	
	-	-	-		-	-	
B2	1	55	< 5		170	225	
	15	103	< 5		124	127	
	20	98	< 5		142	240	
	58	97	< 5		133	230	
	-	-	-		-	-	
B3	1	50	< 5		117	167	
	15	96	< 5		144	240	
	20	102	< 5		150	252	
	68	100	< 5		122	222	
	-	-	-		-	-	
C1	1	67	< 5		142	209	
	28	101	< 5		102	203	
	45	101	< 5		97	198	
	60	99	< 5		105	204	
	140	103	< 5		111	214	
C2	1	67	7		141	208	
	28	99	< 5		109	208	
	45	100	< 5		107	207	
	60	104	< 5		106	210	
	129	100	< 5		98	198	
C3	1	75	< 5		142	217	
	28	100	< 5		101	201	
	45	99	< 5		97	196	
	60	98	< 5		77	175	
	104	105	< 5		71	176	

Continued...

TABLE 2(d) KAMLOOPS LAKE WATER QUALITY - April, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	82	< 5		93	175	
	23	99	< 5		82	181	
	45	99	< 5		64	163	
	60	98	< 5		71	169	
	130	100	< 5		88	188	
X2	1	83	< 5		94	177	
	25	101	< 5		73	174	
	45	102	< 5		53	155	
	60	104	< 5		100	205	
	90	101	< 5		56	157	
D2	1	103	12		52	155	
	28	102	< 5		135	235	
	45	107	< 5		57	164	
	60	103	< 5		72	175	
	114	103	8		43	146	
E2	1	105	< 5		61	166	
	-	-	-		-	-	
	28	106	< 2		97	203	
	35	107	6		80	187	
	39	113	< 5		106	219	
F	0	110	< 5		98	208	

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 2(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - April, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.5	2.77
		2	2.6	4.30
		4	2.6	4.69
		6	2.3	4.97
		10	1.6	-
		15	1.0	2.70
		20	0.9	2.03
C2		0	0.9	2.42
		2	3.2	3.58
		4	1.8	2.81
		6	-	3.80
		10	1.7	2.36
		15	1.0	1.50
		20	0.6	1.15
G2		0	0.9	0.21
		2	0.9	0.82
		4	0.7	0.77
		6	0.9	0.71
		10	0.6	0.59
		15	0.8	0.77
		20	0.6	0.53
X2		0	0.8	0.74
		2	0.2	0.47
		4	0.7	0.58
		6	0.9	0.23
		10	0.5	0.66
		15	0.8	0.55
		20	0.2	0.59
D2		0	0.7	0.38
		2	0.7	0.47
		4	0.4	0.13
		6	0.6	0.18
		10	0.6	0.38
		15	0.6	0.24
		20	0.6	0.28
E2		0	0.6	0.19
		2	0.4	0.25
		4	0.6	0.14
		6	0.7	0.19
		10	0.9	0.36
		15	0.7	-
		20	0.7	0.26

*Monthly Maximum Depth = 15 m

TABLE 2(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1974

# / m³	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1775	2257	2781		2271	503	1347 - 3195	3134	2866	3583		3194	362	2529 - 3860
Cylops biscupidatus thomasi	171	406	225		267	123	41 - 493	332	727	738		599	231	174 - 1024
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	21	-	-		7	21	-15 - 29	-	21	-		7	12	-15 - 29
Bosmina longirostris	21	86	43		50	33	-11 - 111	43	21	43		36	13	12 - 59
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	11	11	-		7	6	-4 - 19	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	-	21	-		7	12	-15 - 29	53	53	21		42	18	8 - 76
Keratella sp.	-	43	11		18	22	-23 - 59	289	289	214		264	43	184 - 344
Notholoca sp.	-	289	182		157	146	-111 - 425	332	299	299		310	19	275 - 345
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	129	22	11		54	65	-66 - 174	11	11	32		18	12	-4 - 40
NAUPLIUS	1861	3005	3102		2656	690	1388 - 3924	3861	5508	4385		4585	841	3039 - 6131
OTHER CLASSES	1	11	1		4	6	-6 - 15	-	-	21		7	12	-15 - 29

Continued...

TABLE 2(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2184	1775	2096		2018	215	1623 - 2414	2449	2086	1176		1904	656	699 - 3108
Cylops biscupidatus thomasi	3529	2642	2663		2945	506	2015 - 3875	663	684	898		748	130	509 - 987
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	43	21	75		46	27	-4 - 96	11	11	-		7	6	-4 - 19
Bosmina longirostris	150	332	257		246	91	78 - 414	64	64	21		50	25	4 - 95
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	-	-	-		-	-	-	-	11	-		4	6	-8 - 15
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	43	-	-		14	25	-31 - 60	-	-	-		-	-	-
Keratella sp.	-	-	-		-	-	-	-	-	11		4	6	-8 - 15
Notholoca sp.	834	-	-		278	482	-607 - 1163	-	-	139		46	80	101 - 194
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
NAUPLIUS	6075	2417	2107		3533	2207	-521 - 7587	3925	3636	6214		4592	1412	1997 - 7186
OTHER CLASSES	-	-	-		-	-	-	-	-	-		-	-	-

Continued...

TABLE 2(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	4749	2845	3209		3601	1011	1744 - 5458	3146	2975	4217		3446	673	2209 - 4683
Cylops biscupidatus thomasi	2545	1647	1733		1975	496	1065 - 2885	856	824	1412		1031	331	423 - 1638
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	43	-	43		29	25	-17 - 74	-	32	-		11	18	-23 - 45
Bosmina longirostris	43	-	178		74	93	-97 - 244	193	171	75		146	63	31 - 262
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	107	107	86		100	12	78 - 122	182	118	107		136	41	61 - 210
Keratella sp.	-	-	-		-	-	-	524	749	653		642	113	435 - 849
Notholoca sp.	1326	-	920		748	679	-499 - 1997	268	203	214		228	35	164 - 292
Asplanchna sp.	-	1219	-		406	704	-887 - 1699	-	-	-		-	-	-
Other	-	-	-		-	-	-	11	42	14		25	16	-4 - 54
NAUPLIUS	8513	2646	6032		5730	2945	320 - 11141	6561	5918	5993		6157	352	5511 - 6803
OTHER CLASSES	21	-	-		7	12	-15 - 29	-	11	21		11	11	-9 - 30

TABLE 3(a) KAMLOOPS LAKE WATER QUALITY - May, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	76.2	8.1	20	10.68	101.16	9.8
B1	1	78.0	4.5	15	10.50	98.73	9.5
	7	78.3	6.5	15	10.58	95.93	9.0
	15	76.4	6.7	15	10.80	98.87	8.4
	25	94.3	5.0	15	10.71	95.69	7.4
	37	-	-	-	-	-	-
B2	1	85.8	2.5	10	10.40	99.69	10.3
	3	-	-	-	10.41	99.60	10.2
	18	84.7	5.1	15	10.41	101.18	9.3
	40	107	1.0	10	10.88	90.74	4.7
	57	108	0.83	5	10.60	87.77	4.45
B3	1	86.3	1.4	10	10.49	100.36	10.2
	12	84.2	2.1	10	10.55	99.03	9.4
	23	91.0	2.8	10	10.73	94.65	6.9
	40	105	0.70	10	10.85	90.49	4.7
	63	108	0.75	10	11.12	91.78	4.3
C1	1	87.2	1.8	5	10.35	99.21	10.3
	16	78.0	6.0	15	10.50	97.59	9.0
	35	100	1.4	10	10.80	91.91	5.5
	115	108	1.4	10	10.65	87.08	3.95
	150	110	1.1	10	10.00	81.63	3.9
C2	1	87.2	1.7	10	11.53	111.34	10.6
	13	82.6	3.6	10	10.41	97.27	9.25
	22	89.0	1.8	5	10.50	94.79	7.8
	27	99.3	1.5	5	10.90	94.47	6.2
	126	109	0.75	5	10.52	86.22	4.05
C3	1	86.5	1.8	10	10.30	98.73	10.3
	20	90.8	1.8	10	10.30	94.13	8.3
	27	100	0.57	10	10.85	94.51	6.4
	50	107	0.71	10	11.10	92.06	4.5
	105	108	0.61	5	11.40	93.35	4.0

Continued...

TABLE 3(a) KAMLOOPS LAKE WATER QUALITY - May, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	86.5	2.1	10	10.50	104.20	11.8
	10	83.5	2.2	10	10.49	98.02	9.25
	20	88.1	2.1	10	10.55	96.84	8.5
	25	89.0	2.2	10	10.50	95.20	8.0
	128	108	6.4	10	10.58	86.71	4.05
X2	1	86.6	2.4	10	10.50	100.00	10.0
	15	86.1	3.4	15	10.57	98.24	9.0
	28	89.3	2.4	10	10.61	95.78	7.8
	40	101	0.92	10	10.91	94.08	6.0
	111	-	-	-	-	-	-
D2	1	89.0	1.4	10	10.58	102.36	10.7
	6	88.7	1.4	10	10.50	100.55	10.25
	12	93.7	1.0	10	10.78	102.86	10.1
	36	103	0.95	10	11.10	98.16	7.0
	94	-	-	-	-	-	-
E2	1	89.6	1.6	5	10.51	100.19	10.05
	5	88.5	1.7	10	10.65	100.78	9.75
	30	89.6	0.95	10	10.55	92.90	6.85
	42	106	0.76	10	10.92	90.78	4.6
	48	106	7.0	10	11.16	92.78	4.6
F	0	90.4	1.3	10	-	-	10.0

TABLE 3(b) KAMLOOPS LAKE WATER QUALITY - May, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.3	58.9	6.4	9.0	.52
B1	1	7.4	33.6	7.4	5.5	-
	7	7.3	33.0	6.1	7.9	.46
	15	7.4	31.3	6.9	6.8	.49
	25	7.5	36.5	8.0	7.1	-
	37	-	-	-	-	-
B2	1	7.5	34.3	8.0	6.8	-
	3	-	-	8.2	8.3	-
	18	7.6	33.1	5.9	12.6	-
	40	7.6	38.5	7.6	7.1	-
	57	7.1	38.0	7.4	7.4	-
B3	1	7.5	34.5	6.4	11.1	-
	12	7.5	33.5	6.4	8.5	-
	23	7.7	36.0	6.8	9.2	-
	40	7.9	39.0	7.4	7.4	-
	63	7.5	38.8	7.4	7.4	-
C1	1	7.9	35.4	6.8	7.8	-
	16	7.7	31.4	6.4	6.9	.38
	35	7.7	36.8	7.6	6.1	-
	115	7.8	40.4	8.2	6.6	-
	150	7.5	40.4	7.2	7.6	-
C2	1	7.5	34.8	6.8	8.7	-
	13	7.3	32.4	6.5	9.5	.21
	22	7.4	35.1	7.0	9.2	-
	27	7.6	36.1	7.2	7.9	-
	126	7.7	39.0	10.6	3.7	-
C3	1	7.7	34.1	9.2	4.8	-
	20	7.6	35.5	9.4	4.6	-
	27	7.6	36.8	10.0	4.6	-
	50	7.6	38.1	9.8	4.5	-
	105	7.6	38.1	9.8	2.8	-

Continued...

TABLE 3(b) KAMLOOPS LAKE WATER QUALITY - May, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.8	34.0	7.8	4.8	-
	10	7.7	32.8	7.8	5.3	-
	20	7.7	34.0	7.2	5.4	-
	25	7.7	34.4	8.6	4.8	-
	128	7.7	38.6	9.2	4.2	-
X2	1	7.7	33.8	8.4	4.8	-
	15	7.7	33.5	8.6	6.2	-
	28	7.7	34.5	8.6	4.6	-
	40	7.6	36.8	5.7	5.8	-
	111	-	-	-	-	-
D2	1	7.7	35.4	8.8	4.1	-
	6	7.6	37.4	9.2	3.4	-
	12	7.7	35.8	9.2	3.7	-
	36	7.7	37.1	10.0	3.2	-
	94	-	-	-	-	-
E2	1	7.6	35.5	9.0	3.6	-
	5	7.7	35.1	9.0	4.4	-
	30	7.8	34.8	9.0	4.4	-
	42	7.7	37.5	9.4	3.8	-
	48	7.8	37.9	9.6	8.0	-
F	0	7.8	34.9	9.4	6.0	-

TABLE 3(c) KAMLOOPS LAKE WATER QUALITY - May, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	36	10	26	5.9
B1	1	8	8	0	6.1
	7	24	7	17	6.0
	15	26	11	15	6.1
	25	14	7	7	6.0
	37	-	-	-	-
B2	1	11	7	4	6.2
	3	11	5	6	6.2
	18	15	6	9	6.2
	40	10	6	4	5.9
	57	9	8	1	5.9
B3	1	11	4	7	6.3
	12	17	9	8	6.2
	23	14	5	9	6.2
	40	6	6	0	5.9
	63	7	7	0	5.9
C1	1	10	7	3	6.2
	16	20	9	11	6.2
	35	10	6	4	6.1
	115	8	6	2	5.9
	150	10	9	1	5.9
C2	1	10	6	4	6.2
	13	17	7	10	6.2
	22	16	6	10	6.3
	27	10	7	3	6.1
	126	8	6	2	5.9
C3	1	10	5	5	6.3
	20	8	8	0	6.3
	27	12	6	6	6.2
	50	7	6	1	5.9
	105	7	6	1	5.8

Continued...

TABLE 3(c) KAMLOOPS LAKE WATER QUALITY - May, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	12	5	7	6.2
	10	16	4	12	6.9
	20	11	6	5	6.3
	25	9	5	4	6.3
	128	43	9	34	5.9
X2	1	11	4	7	6.2
	15	11	6	5	6.2
	28	12	8	4	6.2
	40	9	6	3	6.0
	111	-	-	-	-
D2	1	7	4	3	6.1
	6	9	4	5	6.2
	12	8	6	2	6.2
	36	9	6	3	6.0
	94	-	-	-	-
E2	1	21	5	16	6.2
	5	7	2	5	6.2
	30	7	5	2	6.3
	42	8	7	1	5.9
	48	23	7	16	5.9
F	0	8	6	2	6.2

*Calculated from TP-TDP

TABLE 3(d) KAMLOOPS LAKE WATER QUALITY - May, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	84	8	42	183	267	133
B1	1	83	7	-	142	225	-
	7	86	6	44	141	227	91
	15	91	3	47	171	262	121
	25	108	6	-	144	252	-
	37	-	-	-	-	-	-
B2	1	84	10	-	132	216	-
	3	97	2	-	-	234	-
	18	86	5	-	130	216	-
	40	113	9	-	121	234	-
	57	114	13	-	111	225	-
B3	1	84	8	-	136	220	-
	12	85	10	-	139	224	-
	23	103	6	-	115	218	-
	40	124	6	-	144	268	-
	63	113	4	-	158	271	-
C1	1	79	8	-	128	207	-
	16	93	9	44	148	241	95
	35	98	3	-	110	208	-
	115	120	7	-	100	220	-
	150	128	9	-	103	231	-
C2	1	81	10	-	132	213	-
	13	89	5	22	125	214	98
	22	93	4	-	121	214	-
	27	110	6	-	115	225	-
	126	126	6	-	97	223	-
C3	1	82	11	-	149	231	-
	20	88	4	-	134	222	-
	27	108	2	-	-	108	-
	50	114	2	-	115	229	-
	105	117	2	-	114	231	-

Continued...

TABLE 3(d) KAMLOOPS LAKE WATER QUALITY - May, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	81	3	-	134	215	-
	10	87	2	-	132	219	-
	20	88	2	-	128	216	-
	25	89	2	-	178	267	-
	128	118	< 2	-	112	230	-
X2	1	82	< 2	-	250	332	-
	15	85	< 2	-	140	225	-
	28	95	< 2	-	129	224	-
	40	106	< 2	-	116	222	-
	111	-	-	-	-	-	-
D2	1	76	10	-	160	236	-
	6	78	3	-	169	247	-
	12	98	3	-	181	279	-
	36	109	3	-	188	297	-
	94	-	-	-	-	-	-
E2	1	80	6	-	195	275	-
	5	81	2	-	162	243	-
	30	89	2	-	129	218	-
	42	119	< 2	-	115	234	-
	48	138	2	-	114	252	-
F	0	78	3	-	136	214	-

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 3(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - May, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.0	0.00
		2	1.1	-
		4	0.1	11.97
		6	0.3	-
		10	-	5.08
		15	0.7	1.90
		20	0.1	-
C2		0	1.4	1.97
		2	1.7	0.06
		4	-	-
		6	1.1	-
		10	0.1	6.75
		15	0.6	5.18
		20	< 0.1	6.86
G2		0	1.8	2.01
		2	1.3	2.13
		4	1.0	2.94
		6	0.8	5.29
		10	0.6	7.57
		15	-	8.41
		20	0.2	9.12
X2		0	1.4	0.54
		2	1.9	1.00
		4	1.9	1.07
		6	1.9	0.21
		10	< 0.1	-
		15	0.7	4.80
		20	0.2	4.63
D2		0	0.8	0.60
		2	1.5	1.45
		4	1.4	1.07
		6	1.3	0.44
		10	0.4	1.33
		15	0.5	1.29
		20	0.1	1.28
E2		0	0.7	1.37
		2	0.2	1.22
		4	0.6	1.48
		6	1.1	0.46
		10	1.0	1.45
		15	0.2	2.37
		20	0.2	-

*Monthly Maximum Depth = 2 m

TABLE 3(f) KAMLOOPS LAKE ZOOPLANKTON - May, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1198	1198	1497		1298	173	981 - 1615	1818	1807	1989		1871	102	1684 - 2059
Cylops biscupidatus thomasi	578	674	588		613	53	516 - 710	941	898	888		909	28	857 - 961
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	86	118	171		125	43	46 - 204	128	118	118		121	6	111 - 132
Bosmina longirostris	64	128	193		128	65	10 - 247	86	86	118		97	18	63 - 131
Leptodora kindtii	-	-	-		-	-	-	-	-	-		-	-	-
Heolopedium gibberum	-	-	32		11	18	-23 - 45	43	21	21		28	13	5 - 52
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	21	21	11		18	6	7 - 28	813	578	481		624	171	310 - 938
Keratella sp.	-	-	11		4	6	-8 - 15	-	-	-		-	-	-
Notholoca sp.	-	-	11		4	6	-8 - 15	257	278	171		235	57	131 - 339
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
NAUPLIUS	1840	1604	2738		2061	598	961 - 3160	4449	3989	4492		4310	279	3798 - 4822
OTHER CLASSES	-	754	32		262	426	-521 - 1045	86	43	97		75	29	-23 - 128

Continued...

TABLE 3(f) KAMLOOPS LAKE ZOOPLANKTON - May, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1711	2225			1968	364	862 - 2074	898	1840	1797		1512	532	535 - 2489
Cylops biscupidatus thomasi	834	1070			952	169	444 - 1460	556	856	642		685	154	401 - 968
Epischura nevadensis	-	-			-	-	-	-	-	-		-	-	-
Other	-	-			-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	-	64			32	45	-106 - 170	-	-	-		-	-	-
Bosmina longirostris	171	364			268	136	-148 - 683	43	214	86		114	89	-49 - 278
Leptodora kindtii	-	-			-	-	-	-	-	-		-	-	-
Heolopedium gibberum	64	43			54	15	8 - 99	-	-	-		-	-	-
Other	-	-			-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	107	299			203	136	-210 - 616	43	86	-		43	43	-36 - 122
Keratella sp.	-	-			-	-	-	-	-	-		-	-	-
Notholoca sp.	663	1005			834	242	98 - 1570	-	257	385		214	196	-146 - 574
Asplanchna sp.	-	-			-	-	-	-	-	-		-	-	-
Other	-	-			-	-	-	-	-	-		-	-	-
NAUPLIUS	5158	5241			5200	59	5021 - 5378	4749	9711	10267		8242	3038	2661 - 13824
OTHER CLASSES	43	107			75	45	-63 - 213	-	-	-		-	-	-

Continued...

TABLE 3(f) KAMLOOPS LAKE ZOOPLANKTON - May, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2021	2246	2449		2239	214	1845 - 2632	2492	2086	1979		2186	271	1688 - 2683
Cylops biscupidatus thomasi	1027	1037	1369		1144	195	787 - 1502	1401	1551	1476		1476	75	1338 - 1614
Epischura nevadensis	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	267	214	160		214	54	115 - 312	128	182	171		160	29	108 - 213
Bosmina longirostris	492	193	214		300	167	-7 - 606	96	107	118		107	11	87 - 127
Leptodora kindtii	-	-	-		-	-	-	11	-	-		4	6	-8 - 15
Heolopedium gibberum	32	118	11		54	57	-50 - 158	75	96	53		75	22	35 - 114
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	631	449	674		585	119	365 - 804	995	781	1497		1091	368	416 - 1766
Keratella sp.	-	-	-		-	-	-	-	-	-		-	-	-
Notholoca sp.	64	21			28	33	-32 - 88	374	257	481		371	112	165 - 576
Asplanchna sp.	-	-	-		-	-	-	-	-	-		-	-	-
Other	-	-	-		-	-	-	-	-	-		-	-	-
NAUPLIUS	2257	2021	3187		2488	616	1356 - 3621	2128	1979	2032		2046	76	1908 - 2185
OTHER CLASSES	118	118	171		136	31	79 - 192	299	171	193		221	68	95 - 347

TABLE 4(a) KAMLOOPS LAKE WATER QUALITY - June, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	65.9	21	30	11.30	111.39	11.50
B1	1	68.2	10	20	10.00	104.52	14.10
	2.5	66.1	11	20	10.00	102.26	13.10
	7	62.6	12	20	10.30	103.40	12.30
	25	60.3	14	40	10.10	100.52	11.90
	37	63.7	15	30	10.40	102.52	11.50
B2	1	70.9	5.7	20	9.80	103.05	14.40
	5	72.8	6.2	15	9.90	102.35	13.60
	25	74.0	8.9	15	10.40	103.01	11.70
	55	101	1.8	20	-	-	5.10
	60	101	1.6	15	10.70	89.96	5.00
B3	1	70.5	5.9	20	9.90	103.69	14.20
	10	70.5	7.2	20	9.80	101.51	13.70
	32	74.4	7.1	20	10.50	100.92	10.40
	45	92.0	3.0	15	10.80	94.31	6.50
	63	92.5	2.9	15	10.40	87.44	5.00
C1	1	70.2	5.8	15	10.10	105.57	14.10
	10	72.2	6.2	15	10.10	104.62	13.70
	28	72.8	7.5	20	10.20	98.22	10.50
	60	104	1.2	15	11.20	93.63	4.80
	102	105	1.2	10	11.20	93.41	4.70
C2	1	71.2	5.4	15	10.50	110.41	14.40
	10	71.1	6.1	15	10.10	104.83	13.80
	25	69.8	8.0	15	10.60	102.55	10.70
	50	103	1.5	15	10.60	98.00	5.20
	122	104	1.2	10	11.20	92.44	4.30
C3	1	69.7	5.0	15	11.20	117.30	14.20
	10	70.7	6.0	15	10.20	105.45	13.60
	28	73.2	6.9	15	10.40	99.96	10.40
	60	104	1.9	10	11.10	93.32	5.00
	102	106	1.1	10	11.30	93.27	4.30

Continued...

TABLE 4(a) KAMLOOPS LAKE WATER QUALITY - June, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	68.8	5.1	15	10.70	-	-
	20	70.5	6.5	15	10.40	-	-
	40	81.3	6.4	15	-	-	-
	70	105	1.5	10	11.40	-	-
	135	-	-	-	-	-	-
X2	1	69.7	4.5	20	10.00	-	-
	15	66.9	8.1	20	10.00	-	-
	35	71.5	7.6	15	10.50	-	-
	60	104	1.2	10	11.30	-	-
	110	-	-	-	-	-	-
D2	1	68.8	5.5	15	10.10	-	-
	10	69.0	6.9	15	10.10	-	-
	30	71.0	7.0	20	10.10	-	-
	65	104	1.4	15	11.10	-	-
	95	-	-	-	-	-	-
E2	1	69.4	4.0	15	10.00	-	-
	5	68.4	6.4	20	10.10	-	-
	18	67.4	8.4	20	10.00	-	-
	30	69.7	7.5	20	10.30	-	-
	48	-	-	-	-	-	-
F	0	69.4	5.0	15	9.80	-	-

TABLE 4(b) KAMLOOPS LAKE WATER QUALITY - June, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	25.4	6.4	5.1	0.39
B1	1	7.6	26.6	6.2	5.5	.33
	2.5	7.6	26.3	5.3	11.6	.25
	7	7.5	24.6	6.0	9.6	.28
	25	7.5	23.4	6.9	3.8	.38
	37	7.5	25.1	5.3	4.7	.29
B2	1	7.5	27.9	9.4	2.0	.15
	5	7.6	28.4	6.7	5.3	.16
	25	7.6	29.0	6.4	3.5	.27
	55	7.7	36.9	8.8	5.2	.087
	60	7.7	37.1	8.0	8.0	.076
B3	1	7.7	28.2	5.7	9.9	.23
	10	7.7	28.3	4.2	4.8	.27
	32	7.6	28.3	11.7	5.3	.18
	45	7.7	34.8	9.4	3.8	.13
	63	7.8	34.5	7.6	4.9	-
C1	1	7.8	28.3	6.2	7.1	.40
	10	7.7	29.0	6.2	6.8	-
	28	7.6	28.8	6.2	6.3	.25
	60	7.7	37.4	8.3	5.5	.090
	102	7.7	37.9	5.3	11.1	.12
C2	1	7.7	28.5	6.0	5.8	.18
	10	7.6	28.5	6.2	5.0	.16
	25	7.7	28.1	6.0	6.0	.14
	50	7.7	37.2	8.1	6.7	.093
	122	7.7	38.4	9.4	3.6	.12
C3	1	7.7	29.6	6.0	4.7	.17
	10	7.6	28.0	6.0	6.3	.17
	28	7.6	28.1	6.0	5.5	.14
	60	7.7	37.2	8.3	6.0	.10
	102	7.6	38.5	8.3	5.6	.11

Continued...

TABLE 4(b) KAMLOOPS LAKE WATER QUALITY - June, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.6	27.8	6.0	4.5	-
	20	7.6	28.6	6.0	6.5	.24
	40	7.5	31.0	6.2	5.3	.17
	70	7.5	37.7	8.3	6.0	-
	135	-	-	-	-	-
X2	1	7.6	28.2	5.7	7.3	.26
	15	7.5	26.5	5.3	6.5	.22
	35	7.6	27.8	6.9	4.9	.20
	60	7.6	37.7	7.4	7.5	-
	110	-	-	-	-	-
D2	1	7.6	27.8	6.0	8.3	.18
	10	7.6	28.0	6.2	5.8	.16
	30	7.6	28.0	6.2	5.3	.19
	65	7.6	37.8	6.0	8.1	.10
	95	-	-	-	-	-
E2	1	7.5	28.2	6.0	6.5	.21
	5	7.5	27.2	6.2	6.1	.25
	18	7.4	26.6	6.9	4.9	.19
	30	7.5	27.7	5.7	5.0	-
	48	-	-	-	-	-
F	0	7.5	27.4	6.0	5.5	.20

TABLE 4(c) KAMLOOPS LAKE WATER QUALITY - June, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	48	11	37	4.9
B1	1	25	5	20	5.2
	2.5	25	6	19	5.1
	7	27	7	20	4.9
	25	30	7	23	4.8
	37	33	7	26	4.7
B2	1	16	6	10	5.4
	5	45	14	31	5.5
	25	23	6	17	5.5
	55	7	6	1	5.9
	60	7	8	1	5.9
B3	1	14	7	7	5.4
	10	20	5	15	5.4
	32	17	5	12	5.4
	45	9	7	2	5.9
	63	11	8	3	5.9
C1	1	16	8	8	5.4
	10	16	7	9	5.5
	28	18	7	11	5.4
	60	18	6	12	5.8
	102	10	7	3	5.8
C2	1	16	4	12	5.4
	10	16	5	11	5.4
	25	16	6	10	5.4
	50	10	7	3	5.9
	122	8	6	2	5.9
C3	1	20	7	13	5.4
	10	18	6	12	5.5
	28	16	9	7	5.4
	60	9	6	3	5.9
	102	8	7	1	5.8

Continued...

TABLE 4(c) KAMLOOPS LAKE WATER QUALITY - June, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	20	5	15	5.3
	20	25	3	22	5.4
	40	22	37	(-15)	5.5
	70	9	5	4	5.8
	135	-	-	-	-
X2	1	14	5	9	5.3
	15	19	5	14	5.1
	35	20	5	15	5.2
	60	9	6	3	5.9
	110	-	-	-	-
D2	1	16	5	11	5.4
	10	15	5	10	5.3
	30	15	7	8	5.4
	65	9	6	3	5.8
	95	-	-	-	-
E2	1	20	6	14	5.4
	5	18	6	12	5.2
	18	18	16	2	5.1
	30	18	56	(-38)	4.3
	48	-	-	-	-
F	0	15	8	7	5.3

*Calculated from TP-TDP

TABLE 4(d) KAMLOOPS LAKE WATER QUALITY - June, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	66	5	37	193	259	151
B1	1	67	3	35	160	227	122
	2.5	66	5	31	165	231	129
	7	71	13	35	183	254	135
	25	92	4	43	170	262	123
	37	84	4	26	175	259	145
B2	1	60	4	22	145	205	119
	5	69	13	22	160	229	125
	25	94	7	29	165	259	129
	55	121	2	9	136	257	125
	60	129	3	10	130	259	117
B3	1	63	2	35	168	231	131
	10	65	6	62	158	223	90
	32	91	3	28	153	244	122
	45	114	2	10	150	264	138
	63	114	< 1	-	145	259	-
C1	1	68	3	57	173	241	113
	10	64	3	-	155	219	-
	28	85	3	24	140	225	113
	60	244	3	9	138	382	126
	102	132	2	11	123	255	110
C2	1	54	5	24	180	234	151
	10	66	5	16	158	224	137
	25	82	4	14	134	216	116
	50	122	< 1	7	129	251	122
	122	128	< 1	10	119	247	108
C3	1	73	5	25	164	237	134
	10	67	4	20	141	208	117
	28	89	3	18	152	241	131
	60	129	2	14	113	242	97
	102	128	1	9	124	252	114

Continued...

TABLE 4(d) KAMLOOPS LAKE WATER QUALITY - June, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	61	4	-	185	246	-
	20	75	3	24	148	223	121
	40	100	2	18	162	262	142
	70	121	< 1	-	136	257	-
	135	-	-	-	-	-	-
X2	1	57	4	33	181	238	144
	15	68	3	23	146	214	120
	35	87	7	20	157	244	130
	60	119	7	-	126	245	-
	110	-	-	-	-	-	-
D2	1	57	3	26	169	226	140
	10	75	3	17	156	231	136
	30	136	7	19	174	310	148
	65	136	1	11	132	268	120
	95	-	-	-	-	-	-
E2	1	52	2	27	190	242	161
	5	78	7	29	173	251	137
	18	104	4	20	155	259	131
	30	105	5	-	167	272	-
	48	-	-	-	-	-	-
F	0	66	7	23	213	279	183

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 4(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - June, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.7	4.70
		2	1.8	1.92
		4	1.3	3.47
		6	0.8	3.71
		10	0.9	3.67
		15	0.7	4.39
		20	0.9	9.59
C2		0	1.6	2.56
		2	2.0	3.37
		4	1.5	6.10
		6	1.2	4.64
		10	1.1	5.62
		15	0.8	4.33
		20	0.8	5.67
G2		0	2.0	2.86
		2	2.3	4.09
		4	1.4	2.89
		6	1.3	3.96
		10	0.9	5.31
		15	1.0	5.11
		20	0.9	5.05
X2		0	1.8	2.87
		2	1.6	3.07
		4	1.0	4.18
		6	0.9	4.29
		10	0.9	4.82
		15	0.8	5.36
		20	0.9	6.23
D2		0	1.0	3.03
		2	2.2	1.53
		4	1.9	2.45
		6	1.1	2.54
		10	0.8	3.16
		15	0.6	4.70
		20	0.7	5.76
E2		0	2.5	2.35
		2	2.9	2.83
		4	1.8	2.15
		6	0.9	2.56
		10	0.6	5.61
		15	0.3	6.53
		20	0.2	3.76

*Monthly Maximum Depth = 2 m

TABLE 4(f) KAMLOOPS LAKE ZOOPLANKTON - June, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1262	-	-		-	-	-	2652	3465	2610		2909	482	2024 - 3794
Cylops biscupidatus thomasi	2513	-	-		-	-	-	4513	4364	3722		4200	420	3427 - 4972
Epischura nevadensis	-	-	-		-	-	-	21	-	43		21	22	-18 - 61
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	952	-	-		-	-	-	1283	1027	1155		1155	128	920 - 1390
Bosmina longirostris	396	-	-		-	-	-	941	877	770		863	86	704 - 1021
Leptodora kindtii	-	-	-		-	-	-	21	43	1		22	21	-17 - 60
Heolopedium gibberum	182	-	-		-	-	-	171	193	214		193	22	153 - 232
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	503	-	-		-	-	-	8791	8321	9198		8770	439	7964 - 9576
Keratella sp.	-	-	-		-	-	-	86	-	-		29	50	-63 - 120
Notholoca sp.	-	-	-		-	-	-	-	-	-		-	-	-
Asplanchna sp.	1872	-	-		-	-	-	1305	1412	1412		1376	62	1263 - 1490
Other	-	-	-		-	-	-	21	-	-		7	12	-15 - 29
NAUPLIUS	1412	-	-		-	-	-	8770	10118	9840		9576	712	8268 - 10884
OTHER CLASSES	11	-	-		-	-	-	-	-	-		-	-	-

Continued...

TABLE 4(f) KAMLOOPS LAKE ZOOPLANKTON - June, 1974
(Continued)

# / m³	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	877	930	1059		955	94	783 - 1127	2203	1540	1690		1811	348	1172 - 2450
Cylops biscupidatus thomasi	1561	1289	1465		1438	138	1185 - 1692	2096	1861	1797		1918	157	1629 - 2207
Epischura nevadensis	-	-	11		4	6	-8 - 15	21	-	21		14	12	-8 - 36
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	599	396	385		460	121	239 - 681	492	406	257		385	119	167 - 603
Bosmina longirostris	385	364	321		357	33	297 - 417	599	471	385		485	108	287 - 683
Leptodora kindtii	-	-	-		-	-	-	21	-	-		7	12	-15 - 29
Heolopedium gibberum	11	11	-		7	6	-4 - 19	-	21	-		7	12	-15 - 29
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	3572	3283	5262		4039	1069	2075 - 6003	6160	6845	5112		6039	873	4436 - 7642
Keratella sp.	32	32	160		75	74	-61 - 210	-	-	-		-	-	-
Notholoca sp.	-	-	-		-	-	-	-	-	-		-	-	-
Asplanchna sp.	1711	1251	1743		1568	275	1063 - 2074	1198	1690	941		1276	381	577 - 1976
Other	-	11	-		4	6	-8 - 15	21	-	-		7	12	-15 - 29
NAUPLIUS	4524	4011	5027		4521	508	3587 - 5454	4235	5198	5604		5012	703	3721 - 6304
OTHER CLASSES	11	-	-		4	6	-8 - 15	1	1	-		1	1	0 - 2

Continued...

TABLE 4(f) KAMLOOPS LAKE ZOOPLANKTON - June, 1974
(Continued)

# / m³	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	3080	2310	2267		2552	457	1712 - 3393	1326	834	2011		1390	591	304 - 2476
Cylops biscupidatus thomasi	4342	4364	4663		4456	179	4127 - 4786	2310	2267	2545		2374	150	2099 - 2649
Epischura nevadensis	86	-	-		29	50	-63 - 120	21	21	43		28	13	5 - 52
Other	-	-	-		-	-	-	-	-	-		-	-	-
CLADOCERA														
Daphnia longispina	620	385	1027		677	325	81 - 1274	299	257	342		299	43	221 - 377
Bosmina longirostris	599	421	727		582	154	30 - 865	556	299	513		456	138	203 - 709
Leptodora kindtii	21	-	-		7	12	-15 - 29	-	-	-		-	-	-
Heolopedium gibberum	-	43	171		71	89	-92 - 235	21	21	86		43	38	-26 - 112
Other	-	-	-		-	-	-	-	-	-		-	-	-
ROTIFERA														
Kellicottia longispina	9299	10567	11679		10515	1191	8327 - 12703	5626	5433	5112		5390	260	4913 - 5867
Keratella sp.	-	-	-		-	-	-	-	-	-		-	-	-
Notholoca sp.	-	-	-		-	-	-	-	-	-		-	-	-
Asplanchna sp.	2332	2182	2824		2446	336	1829 - 3063	1797	1561	1626		1661	122	1437 - 1885
Other	-	-	-		-	-	-	-	-	-		-	-	-
NAUPLIUS	8578	7144	7529		7750	742	6387 - 9114	6011	4578	4428		5006	874	3400 - 6611
OTHER CLASSES	-	-	-		-	-	-	-	-	-		-	-	-

TABLE 5(a) KAMLOOPS LAKE WATER QUALITY - July, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	67.4	5.0	9	9.80	102.28	14.05
B1	1	69.5	3.3	6	9.75	103.26	14.75
	3	69.2	3.7	8	-	-	14.45
	15	66.6	5.6	11	9.80	100.41	13.20
	25	65.3	6.1	12	9.70	98.23	12.70
	35.5	57.9	8.9	14	10.10	97.26	10.50
B2	1	69.8	2.0	9	9.75	104.11	15.10
	5	70.6	2.2	7	9.60	102.09	14.90
	20	66.6	3.9	10	9.80	98.28	12.25
	40	70.1	1.9	9	10.10	96.72	10.25
	57	96.1	1.4	9	10.50	93.45	7.25
B3	1	69.0	1.7	8	9.70	103.25	14.95
	7	69.2	2.0	8	9.80	103.47	14.60
	28	63.5	3.6	6	9.95	98.55	11.70
	50	84.6	2.2	9	10.20	92.73	8.10
	61	96.1	.97	12	10.60	87.49	6.00
C1	1	71.3	3.4	11	9.70	102.00	14.40
	9	66.7	4.2	11	9.80	101.31	13.60
	19	64.2	5.2	12	9.95	100.76	12.70
	50	80.5	1.3	11	10.10	90.24	7.40
	120	104	.86	9	10.30	85.42	4.50
C2	1	69.2	2.1	9	9.50	99.60	14.25
	8	68.6	2.6	8	9.80	102.54	14.15
	26	89.9	4.5	11	9.90	97.78	11.60
	64	98.4	1.6	11	10.60	89.12	5.00
	117	103	1.1	10	9.90	82.11	4.50
C3	1	69.1	2.2	9	9.80	103.89	14.80
	10	67.5	2.9	10	9.70	101.49	14.15
	28	64.3	3.8	13	9.80	97.07	11.70
	55	87.7	1.5	6	10.40	91.74	6.90
	98	104	1.2	11	10.15	84.18	4.55

Continued...

TABLE 5(a) KAMLOOPS LAKE WATER QUALITY - July, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	93.4	2.1	10	9.85	104.00	14.60
	10	67.8	3.3	9	9.80	102.02	13.95
	20	62.4	5.4	11	10.00	100.58	12.40
	70	-	-	-	10.80	90.29	4.80
	121	-	-	-	-	-	-
X2	1	69.4	2.9	9	9.60	101.26	14.55
	5	67.9	2.8	11	9.90	103.69	14.20
	20	63.2	4.9	13	9.50	95.46	12.35
	60	113	1.3	12	-	-	5.30
	110	106	.84	13	10.30	85.12	4.35
D2	1	68.1	1.6	7	9.80	105.95	15.70
	11	65.9	3.1	8	9.90	102.19	13.55
	15	64.7	2.7	9	9.80	99.63	12.85
	23	64.0	2.7	11	10.30	103.20	12.20
	80	104	.96	13	11.00	91.45	4.60
E2	1	67.6	1.4	8	9.70	104.21	15.40
	5	89.9	1.6	10	9.90	104.21	14.45
	13	66.4	2.2	12	9.90	101.09	13.05
	50	87.6	1.8	12	10.10	91.70	8.05
	60	86.3	1.7	13	10.30	87.95	5.60
F	0	68.3	1.2	10	9.80	104.64	15.10

TABLE 5(b) KAMLOOPS LAKE WATER QUALITY - July, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	26.6	0.16	22.2	0.24
B1	1	7.7	28.1	6.8	4.4	.18
	3	7.7	27.8	6.8	2.9	.17
	15	7.6	26.5	6.0	3.1	.19
	25	7.6	26.3	6.3	2.7	.14
	35.5	7.5	23.1	5.2	4.5	.16
B2	1	7.6	28.0	6.8	3.4	.16
	5	7.6	28.8	6.3	5.5	.13
	20	7.5	26.7	6.3	2.6	.18
	40	7.6	27.9	6.6	3.1	.041
	57	7.5	36.3	9.0	3.3	.072
B3	1	7.6	28.2	6.9	3.4	-
	7	7.6	28.1	6.6	4.2	-
	28	7.5	25.0	6.0	3.7	-
	50	7.5	32.6	7.9	2.8	.094
	61	7.6	36.2	9.0	3.8	.077
C1	1	7.8	30.0	6.6	3.6	-
	9	7.5	26.9	6.6	3.6	.18
	19	7.6	25.1	6.3	2.9	.19
	50	7.5	30.6	7.9	2.8	-
	120	7.6	38.9	9.8	2.8	.13
C2	1	7.7	28.1	6.8	3.1	.14
	8	7.7	27.5	6.6	3.8	.18
	26	7.6	26.1	6.3	3.4	-
	64	7.6	37.2	9.0	4.1	-
	117	7.7	39.0	9.5	3.4	-
C3	1	7.7	28.3	6.8	3.9	-
	10	7.8	27.6	6.6	3.9	-
	28	7.7	26.0	6.3	3.4	-
	55	7.7	34.1	8.1	4.7	-
	98	7.7	38.6	9.2	3.0	-

Continued...

TABLE 5(b) KAMLOOPS LAKE WATER QUALITY - July, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.7	27.5	6.9	3.1	.33
	10	7.7	27.4	6.6	3.4	.58
	20	7.7	24.5	5.8	3.4	.16
	70	-	-	9.0	4.0	-
	121	-	-	-	-	-
X2	1	7.7	27.6	6.6	3.3	.23
	5	7.8	26.6	6.0	2.9	-
	20	7.6	25.3	6.3	3.1	.15
	60	7.9	37.3	9.0	3.3	.059
	110	7.7	38.9	9.5	2.8	-
D2	1	7.8	27.5	6.8	2.8	-
	11	7.7	26.6	6.6	3.1	.15
	15	7.7	26.1	6.3	3.4	.14
	23	7.7	25.8	6.3	3.9	-
	80	7.7	38.1	9.3	2.6	-
E2	1	7.8	27.4	6.8	3.4	-
	5	7.7	27.7	6.6	3.6	.16
	13	7.7	26.7	6.3	3.4	.24
	50	7.6	33.6	7.9	3.3	-
	60	7.7	33.1	7.9	3.6	.10
F	0	7.8	27.8	6.6	3.1	.14

TABLE 5(c) KAMLOOPS LAKE WATER QUALITY - July, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	19	8	11	4.8
B1	1	11	2	9	5.2
	3	15	< 2	13	5.2
	15	15	< 2	13	4.7
	25	13	4	9	4.7
	35.5	15	4	11	3.9
B2	1	9	3	6	5.2
	5	10	14	(-4)	5.3
	20	10	7	3	4.9
	40	6	3	3	5.0
	57	4	3	1	5.7
B3	1	4	3	1	5.1
	7	8	6	2	5.2
	28	7	4	3	4.5
	50	11	3	8	5.6
	61	3	2	1	5.8
C1	1	10	2	8	5.1
	9	12	3	9	4.9
	19	14	3	11	4.5
	50	7	3	4	5.4
	120	6	< 2	4	5.8
C2	1	3	< 2	1	5.2
	8	8	< 2	6	5.1
	26	13	2	11	4.5
	64	6	5	1	5.9
	117	7	3	4	5.7
C3	1	13	6	7	5.0
	10	12	5	7	4.9
	28	9	9	0	4.6
	55	5	5	0	5.6
	98	8	8	0	5.7

Continued...

TABLE 5(c) KAMLOOPS LAKE WATER QUALITY - July, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	13	3	10	5.9
	10	16	6	10	5.8
	20	12	3	9	5.3
	70	14	< 2	12	-
	121	-	-	-	-
X2	1	13	< 2	11	6.0
	5	10	< 2	8	5.9
	20	11	< 2	9	5.4
	60	7	-	-	5.7
	110	8	5	3	5.7
D2	1	10	< 2	8	4.9
	11	11	4	7	4.8
	15	10	4	6	4.6
	23	10	4	6	4.6
	80	16	10	6	5.7
E2	1	6	< 2	4	4.9
	5	6	2	4	4.9
	13	6	4	2	4.7
	50	5	2	3	5.5
	60	7	4	3	5.5
F	0	8	2	6	5.9

*Calculated from TP-TDP

TABLE 5(d) KAMLOOPS LAKE WATER QUALITY - July, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	47	6	25	110	157	79
B1	1	39	4	19	110	149	87
	3	75	3	16	110	185	91
	15	51	5	17	120	171	98
	25	55	5	16	110	165	89
	35.5	69	6	12	100	169	82
B2	1	38	4	17	90	128	69
	5	35	5	15	110	145	90
	20	59	9	22	130	189	99
	40	86	5	1	120	206	114
	57	134	12	1	90	224	77
B3	1	43	5	-	150	193	-
	7	40	4	-	110	150	-
	28	69	2	-	110	179	-
	50	110	4	8	80	190	68
	61	145	3	1	120	265	116
C1	1	40	2	-	130	170	-
	9	49	3	19	130	179	108
	19	107	9	19	160	267	132
	50	105	7	-	110	215	-
	120	140	11	9	110	250	90
C2	1	95	3	13	100	195	84
	8	23	4	21	120	143	95
	26	76	5	-	120	196	-
	64	127	7	-	120	247	-
	117	135	4	-	90	225	-
C3	1	41	2	-	140	181	-
	10	57	4	-	90	147	-
	28	72	5	-	70	142	-
	55	115	5	-	110	225	-
	98	126	3	-	70	196	-

Continued...

TABLE 5(d) KAMLOOPS LAKE WATER QUALITY - July, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	43	4	26	150	193	120
	10	49	3	26	100	149	71
	20	78	4	13	100	178	83
	70	-	-	-	90	-	-
	121	-	-	-	-	-	-
X2	1	38	8	18	170	208	144
	5	43	4	-	90	133	-
	20	63	3	11	160	223	146
	60	121	4	< 1	160	281	155
	110	135	5	-	90	225	-
D2	1	38	6	26	100	138	68
	11	48	4	20	100	148	76
	15	57	4	17	80	137	59
	23	66	4	11	100	166	85
	80	126	3	5	220	346	212
E2	1	45	2	20	130	175	108
	5	44	2	20	130	174	108
	13	60	5	11	120	180	104
	50	118	6	-	90	208	-
	60	117	5	7	100	217	88
F	0	70	11	31	130	200	88

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 5(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - July, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.6	7.90
		2	1.4	10.50
		4	1.5	6.20
		6	1.6	9.70
		10	1.3	9.50
		15	1.0	5.70
		20	0.9	12.90
C2		0	1.3	4.00
		2	1.7	5.00
		4	1.9	5.70
		6	1.5	8.30
		10	1.1	7.60
		15	0.8	11.50
		20	0.7	7.20
G2		0	1.2	1.40
		2	1.7	8.10
		4	1.8	3.90
		6	1.6	3.50
		10	1.1	12.20
		15	1.1	8.80
		20	0.7	4.70
X2		0	1.6	5.30
		2	3.3	4.70
		4	2.7	7.70
		6	2.0	7.90
		10	1.5	5.60
		15	0.7	8.20
		20	< 0.1	7.40
D2		0	1.5	5.60
		2	2.1	5.30
		4	2.5	5.20
		6	1.4	5.00
		10	0.5	4.90
		15	0.5	2.90
		20	0.2	7.50
E2		0	2.3	3.80
		2	1.1	7.30
		4	2.1	3.50
		6	1.8	5.60
		10	1.6	2.90
		15	0.5	6.30
		20	0.5	5.80

*Monthly Maximum Depth = 10 m

TABLE 5(f) KAMLOOPS LAKE ZOOPLANKTON - July, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1829	1455	1422	1353	1515	214	1271 - 1758	1578	1358	1209	1150	1324	191	1107 - 1541
Cylops biscupidatus thomasi	1369	759	909	840	969	273	658 - 1281	866	1294	642	578	845	324	476 - 1214
Epischura nevadensis	-	-	-	-	-	-	-	16	11	5	11	11	5	6 - 16
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	674	663	807	561	676	101	561 - 791	722	620	583	422	587	125	445 - 729
Bosmina longirostris	278	278	316	278	288	19	266 - 309	209	267	123	182	195	60	127 - 263
Leptodora kindtii	21	11	5	16	13	7	5 - 21	5	-	-	5	3	3	-1 - 6
Heolopedium gibberum	32	21	11	-	16	14	0 - 32	11	27	53	21	28	18	8 - 48
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	257	203	75	123	165	81	72 - 257	193	187	235	273	222	40	177 - 268
Keratella sp.	-	-	-	-	-	-	-	27	-	27	11	16	13	1 - 31
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	11	11	11		8	6	2 - 15	5	11	11	5	8	3	4 - 12
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	3722	2920	2251	1727	2655	863	1672 - 3638	1898	1679	2123	1984	1921	186	1709 - 2133
OTHER CLASSES	21	21	16	11	17	5	12 - 23	5	1	11	16	8	7	1 - 16

Continued...

TABLE 5(f) KAMLOOPS LAKE ZOOPLANKTON - July, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	802	701	738	572	703	97	593 - 814	615	428	572	476	523	86	425 - 620
Cylops biscupidatus thomasi	1032	909	620	775	834	177	632 - 1036	893	738	807	807	811	64	739 - 884
Epischura nevadensis	5	-	5	-	3	3	-1 - 6	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	353	230	310	230	281	61	211 - 350	209	230	187	219	211	18	190 - 232
Bosmina longirostris	332	219	166	171	222	77	134 - 310	166	193	191	257	202	39	158 - 246
Leptodora kindtii	-	-	16	5	5	8	-3 - 14	-	-	-	5	1	3	-2 - 4
Heolopedium gibberum	27	11	-	5	11	12	-3 - 24	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	289	214	53	43	150	121	11 - 288	70	8	48	70	49	29	16 - 82
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	16	5	5	-	7	7	-1 - 14	5	-	-	5	3	3	-1 - 6
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	2723	2572	1615	1492	2101	637	1376 - 2825	1711	1128	1668	1802	1577	305	1231 - 1924
OTHER CLASSES	-	5	-	-	1	3	-2 - 4	-	-	-	-	-	-	-

Continued...

TABLE 5(f) KAMLOOPS LAKE ZOOPLANKTON - July, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	599	477	567	599	561	58	495 - 626	583	439	455	465	486	66	410 - 561
Cylops biscupidatus thomasi	770	745	845	818	795	45	743 - 846	829	781	647	813	768	83	673 - 862
Epischura nevadensis	11	-	-	-	3	6	-4 - 9	5	-	5	-	3	3	-1 - 6
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	219	199	214	118	188	47	134 - 241	193	176	187	203	190	11	177 - 203
Bosmina longirostris	139	185	187	144	164	26	134 - 193	171	166	112	123	143	30	109 - 177
Leptodora kindtii	-	3	-	5	2	2	-1 - 5	-	-	-	21	5	11	-7 - 17
Heolopedium gibberum	43	21	32	16	28	12	14 - 42	53	32	43	64	48	14	32 - 64
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	369	274	369	353	341	45	289 - 393	139	75	128	43	96	45	45 - 148
Keratella sp.	-	3	-	-	1	2	-1 - 2	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	5	11	-	16	8	7	0 - 16	-	-	16	-	4	8	-5 - 13
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	2059	2369	2449	2888	2441	342	2052 - 2831	1759	1893	1396	1294	1586	286	1260 - 1911
OTHER CLASSES	5	-	5	-	3	3	-1 - 6	-	-	5	-	1	3	-2 - 4

TABLE 6(a) KAMLOOPS LAKE WATER QUALITY - August, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	74.3	2.9	12	9.90	110.35	17.20
B1	1	99.3	2.7	10	9.40	107.08	18.30
	5	74.0	2.4	9	8.90	101.38	18.30
	28	67.3	2.3	7	8.80	93.10	14.70
	33	67.2	1.1	-	9.60	94.64	11.50
B2	1	71.3	1.2	8	9.80	112.49	18.70
	20	72.6	3.0	11	9.30	99.71	15.30
	30	67.9	1.6	10	9.60	96.37	12.30
	45	74.7	0.97	12	10.00	91.39	8.30
	55	83.8	1.4	12	5.90	50.75	5.90
B3	1	71.7	0.91	9	10.30	117.97	18.60
	6	70.4	1.1	9	9.20	105.37	18.60
	20	71.6	1.0	11	9.20	98.03	15.00
	35	72.3	0.98	8	9.70	94.10	10.80
	60	73.4	1.0	10	10.10	86.45	5.70
C1	1	71.2	1.1	9	8.90	101.71	18.50
	14	73.6	2.0	12	9.20	103.10	17.50
	35	66.6	1.3	6	10.10	101.00	12.10
	75	104	0.98	12	10.60	88.40	4.70
	127	107	1.4	11	10.20	84.19	4.30
C2	1	71.9	1.0	7	10.00	114.29	18.50
	8	72.1	1.6	9	9.20	105.14	18.50
	38	69.0	1.5	12	9.90	94.89	10.30
	70	106	1.0	14	11.20	93.63	4.80
	127	-	-	-	-	-	-
C3	1	70.0	1.2	10	9.70	110.86	18.50
	10	71.6	1.1	9	9.70	110.25	18.20
	35	70.0	1.4	8	9.60	95.27	11.80
	68	102	0.90	11	10.60	89.55	5.20
	97	101	3.9	15	9.5	78.79	4.50

Continued...

TABLE 6(a) KAMLOOPS LAKE WATER QUALITY - August, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	69.3	0.94	7	9.60	109.35	18.30
	14	70.0	0.99	9	8.90	100.83	18.00
	40	72.9	0.85	11	9.60	91.43	10.00
	70	104	1.0	11	11.20	93.63	4.80
	125	-	-	-	-	-	-
X2	1	68.8	0.84	6	-	-	18.00
	10	72.7	1.8	10	9.30	103.89	17.30
	30	66.4	1.5	10	9.60	98.95	13.50
	60	100	0.80	12	11.40	95.84	5.00
	107	-	-	-	-	-	-
D2	1	70.4	0.95	10	9.40	106.84	18.20
	20	66	1.3	9	10.30	109.53	14.90
	38	72.4	0.84	10	9.90	96.68	11.10
	58	103	0.71	10	10.90	91.86	5.10
	93	-	-	-	-	-	-
E2	1	69.4	0.91	10	9.50	107.16	17.80
	10	71.2	1.1	11	9.10	100.15	16.60
	20	69.6	1.4	10	9.00	96.89	15.50
	35	70.3	0.90	10	11.30	109.32	10.70
	50	94.2	1.2	13	10.00	86.45	7.00
F	1	69.5	0.96	7	9.20	102.55	17.20

TABLE 6(b) KAMLOOPS LAKE WATER QUALITY - August, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	29.3	7.6	3.0	.15
B1	1	7.9	41.9	7.6	2.0	.13
	5	7.6	28.7	7.6	2.8	.10
	28	7.5	26.3	6.8	4.0	.063
	33	7.5	26.4	6.8	2.6	.049
B2	1	7.7	28.8	7.3	2.3	.13
	20	7.7	28.6	6.8	1.8	.13
	30	7.7	26.3	7.3	2.3	.057
	45	7.6	29.0	8.0	2.1	.037
	55	7.6	31.8	7.0	2.1	.039
B3	1	7.7	28.0	7.0	1.8	.097
	6	7.8	28.3	7.3	2.1	.12
	20	7.7	28.2	7.3	2.1	.088
	35	7.7	28.2	7.3	2.3	.090
	60	7.5	28.2	7.3	1.8	.032
C1	1	7.7	28.4	7.3	2.1	.11
	14	7.7	29.0	6.5	3.6	.090
	35	7.4	26.2	9.3	2.9	.038
	75	7.7	37.7	9.8	2.7	.068
	127	7.6	39.4	7.0	2.1	.050
C2	1	7.8	28.3	6.8	1.8	.085
	8	7.7	28.4	6.5	2.3	.095
	38	7.6	27.4	9.0	2.9	.029
	70	7.6	37.9	6.8	1.8	.038
	127	-	-	-	-	-
C3	1	7.7	27.7	6.8	2.0	.11
	10	7.7	28.0	6.8	2.0	.10
	35	7.7	27.8	9.0	2.9	.095
	68	7.7	37.4	9.5	2.4	.035
	97	7.7	38.5	6.8	2.6	.082

Continued...

TABLE 6(b) KAMLOOPS LAKE WATER QUALITY - August, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.7	27.5	6.6	4.5	.16
	14	7.7	27.9	6.6	3.0	.095
	40	7.6	28.9	7.1	3.8	.040
	70	7.6	37.9	9.1	2.3	.032
	125	-	-	-	-	-
X2	1	7.8	27.8	6.6	2.2	.099
	10	7.7	28.5	6.8	2.3	.075
	30	7.6	26.0	6.6	3.0	.087
	60	7.6	36.8	8.6	3.6	.027
	107	-	-	-	-	-
D2	1	7.6	27.3	6.5	2.3	.13
	20	7.6	26.2	6.8	2.6	.071
	38	7.6	28.4	9.0	2.9	.093
	58	7.7	37.4	6.5	2.9	.032
	93	-	-	-	-	-
E2	1	7.6	27.6	6.8	2.6	.17
	10	7.6	27.5	6.8	2.0	.20
	20	7.6	27.1	6.6	2.7	.079
	35	7.5	27.8	6.8	2.6	.077
	50	7.5	35.0	8.6	2.8	.053
F	0	7.7	27.8	6.8	2.6	.21

TABLE 6(c) KAMLOOPS LAKE WATER QUALITY - August, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	16	4	12	5.3
B1	1	8	8	0	5.1
	5	7	3	4	5.1
	28	8	2	6	4.5
	33	5	2	2	4.8
B2	1	6	< 2	4	4.5
	20	6	< 2	4	4.5
	30	4	3	1	4.5
	45	4	4	0	5.3
	55	5	4	1	5.6
B3	1	6	2	4	4.8
	6	5	2	3	4.8
	20	5	< 2	3	4.9
	35	5	2	3	4.6
	60	4	2	2	5.2
C1	1	7	3	4	5.0
	14	6	3	3	5.2
	35	4	2	2	4.7
	75	5	2	3	5.9
	127	7	5	2	6.0
C2	1	6	3	3	4.9
	8	5	< 2	3	5.0
	38	5	3	2	5.0
	70	6	4	2	5.9
	127	-	-	-	-
C3	1	6	3	3	5.8
	10	6	3	3	4.8
	35	6	< 2	4	4.8
	68	5	2	3	5.9
	97	11	5	6	6.0

Continued...

TABLE 6(c) KAMLOOPS LAKE WATER QUALITY - August, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	9	8	1	4.7
	14	23	5	18	4.8
	40	7	5	2	5.2
	70	5	3	2	5.8
	125	-	-	-	-
X2	1	5	2	3	4.6
	10	7	5	2	4.8
	30	8	4	4	4.5
	60	28	4	24	5.9
	107	-	-	-	-
D2	1	6	2	4	4.6
	20	5	2	3	4.5
	38	5	< 2	3	5.2
	58	5	4	1	5.9
	93	-	-	-	-
E2	1	7	< 2	5	4.7
	10	7	< 2	5	4.8
	20	5	4	1	4.7
	35	3	< 2	1	5.1
	50	5	3	2	5.8
F	0	7	2	5	4.7

*Calculated from TP-TDP

TABLE 6(d) KAMLOOPS LAKE WATER QUALITY - August, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	22	5	22	120	142	93
B1	1	24	3	15	120	144	102
	5	23	18	13	190	213	159
	28	68	2	7	100	168	91
	33	83	3	5	110	193	102
B2	1	20	3	20	170	190	147
	20	31	2	18	160	191	140
	30	65	4	7	89	154	78
	45	97	2	3	140	237	135
	55	112	1	3	94	206	90
B3	1	16	5	13	140	156	122
	6	17	7	19	140	157	114
	20	25	7	12	120	145	101
	35	18	10	14	170	188	146
	60	94	7	3	110	204	100
C1	1	22	12	15	160	182	133
	14	26	2	11	100	126	87
	35	79	1	3	87	166	83
	75	127	2	8	100	227	90
	127	149	6	5	170	319	159
C2	1	19	5	12	110	129	93
	8	21	4	14	140	161	122
	38	68	3	3	100	168	94
	70	133	3	4	110	243	103
	127	-	-	-	-	-	-
C3	1	18	3	14	140	158	123
	10	21	4	15	140	161	121
	35	25	5	13	190	215	172
	68	126	2	3	110	236	105
	97	156	10	7	130	286	113

Continued...

TABLE 6(d) KAMLOOPS LAKE WATER QUALITY - August, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	18	10	20	140	158	110
	14	32	8	9	120	152	103
	40	99	1	6	88	187	81
	70	129	1	4	93	222	88
	125	-	-	-	-	-	-
X2	1	19	1	14	87	106	72
	10	40	2	11	92	132	79
	30	75	1	13	68	143	54
	60	119	< 1	3	81	200	78
	107	-	-	-	-	-	-
D2	1	16	2	18	110	126	90
	20	49	3	6	87	146	78
	38	90	1	10	110	200	99
	58	124	1	2	90	214	87
	93	-	-	-	-	-	-
E2	1	27	2	11	89	116	76
	10	40	10	13	140	180	117
	20	50	2	6	89	139	81
	35	87	< 1	5	75	162	70
	50	124	2	2	170	294	166
F	0	31	4	16	130	161	110

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 6(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - August, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.7	0.50
		2	0.9	0.50
		4	0.5	0.60
		6	2.7	2.35
		10	2.3	5.10
		15	< 0.1	5.60
		20	0.5	4.40
C2		0	0.7	0.40
		2	1.7	0.65
		4	0.7	0.80
		6	0.9	0.80
		10	0.2	1.25
		15	0.7	1.80
		20	< 0.1	2.00
G2		0	1.8	0.60
		2	1.4	-
		4	1.5	0.80
		6	1.4	0.70
		10	1.0	0.90
		15	0.5	2.05
		20	0.3	1.57
X2		0	< 0.1	0.90
		2	1.6	0.80
		4	0.6	0.60
		6	0.7	0.70
		10	1.5	0.85
		15	< 0.1	1.40
		20	0.3	1.45
D2		0	< 0.1	0.20
		2	0.9	0.25
		4	0.9	0.40
		6	0.8	0.50
		10	1.5	0.40
		15	0.4	0.60
		20	1.7	0.50
E2		0	1.0	0.30
		2	1.9	0.40
		4	1.9	0.50
		6	1.4	0.40
		10	< 0.1	0.30
		15	< 0.1	0.40
		20	0.7	0.40

*Monthly Maximum Depth = 10 m

TABLE 6(f) KAMLOOPS LAKE ZOOPLANKTON - August, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	3914	4834	3765	4813	4332	571	3681 - 4982	7422	6481	5798	4706	6102	1144	4799 - 7405
Cyclops biscupidatus thomasi	663	877	599	599	685	132	534 - 835	963	647	813	684	777	143	614 - 940
Epischura nevadensis	235	150	128	193	177	47	122 - 231	471	492	257	342	391	111	264 - 517
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	802	556	620	706	671	107	549 - 793	749	941	663	963	829	147	662 - 996
Bosmina longirostris	246	214	257	150	217	48	162 - 272	128	278	299	471	294	140	134 - 454
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	781	663	770	663	719	65	645 - 793	1048	770	1027	1390	1059	254	769 - 1349
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	-	43	-	-	11	22	-14 - 35	21	21	43	64	37	21	14 - 61
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	543	1176	1818	1134	1168	521	574 - 1761	1519	1647	1733	2396	1824	392	1378 - 2270
OTHER CLASSES	43	21	-	-	16	21	-7 - 39	-	-	-	-	-	-	-

Continued...

TABLE 6(f) KAMLOOPS LAKE ZOOPLANKTON - August, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1289	1572	1374	1332	1392	125	1249 - 1534	567	663	663	861	689	124	548 - 829
Cylops biscupidatus thomasi	668	652	765	850	734	92	629 - 839	668	658	626	567	630	46	578 - 682
Epischura nevadensis	37	96	53	55	60	25	32 - 89	27	16	37	37	29	10	18 - 41
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	305	257	406	439	352	85	255 - 449	75	139	128	144	122	32	85 - 158
Bosmina longirostris	235	278	321	396	308	69	229 - 386	294	283	230	401	302	72	220 - 384
Leptodora kindtii	5	-	-	-	1	3	-2 - 4	-	-	-	-	-	-	-
Heolopedium gibberum	155	171	182	198	177	18	156 - 197	5	27	16	37	21	14	6 - 37
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	11	-	21	86	30	39	-14 - 73	37	5	16	16	19	13	3 - 34
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	1176	1551	1647	2086	1615	374	1189 - 2041	973	1241	1447	1770	1358	336	975 - 1741
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 6(f) KAMLOOPS LAKE ZOOPLANKTON - August, 1974
(Continued)

# / m³	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1529	1626	1294	706	1289	413	819 - 1759	861	945	877	818	875	53	815 - 935
Cylops biscupidatus thomasi	631	674	749	727	695	53	635 - 756	364	513	476	417	443	66	368 - 517
Epischura nevadensis	139	107	64	150	115	39	71 - 159	48	43	21	43	39	12	25 - 52
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	727	620	610	684	660	55	597 - 723	358	492	385	299	384	81	292 - 475
Bosmina longirostris	299	417	364	171	313	106	192 - 434	241	326	235	225	257	47	204 - 310
Leptodora kindtii	-	11	21	-	8	10	-4 - 20	-	-	-	-	-	-	-
Heolopedium gibberum	706	802	802	1027	834	136	679 - 989	273	342	380	412	352	60	284 - 420
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	32	53	43	-	32	23	6 - 58	5	27	37	21	23	13	7 - 38
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	1390	1636	2267	1412	1676	409	1210 - 2142	1257	1428	1283	1214	1296	93	1190 - 1401
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7(a) KAMLOOPS LAKE WATER QUALITY - September, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	82.7	2.5	5	9.65	104.11	15.60
B1	1	77.7	1.0	< 5	9.75	108.45	17.10
	5	82.3	1.4	< 5	9.55	105.77	16.90
	10	82.3	1.9	5	9.55	104.33	16.20
	27	82.5	2.2	5	9.40	101.41	15.60
	34	71.3	1.0	5	9.60	93.75	11.10
B2	1	77.3	1.0	< 5	9.70	107.89	17.10
	10	83.0	2.0	5	9.75	106.85	16.35
	25	80.6	2.0	< 5	9.20	99.05	15.50
	35	70.3	1.0	5	9.65	94.81	11.35
	55	98.9	2.0	5	10.10	87.97	6.40
B3	1	77.3	1.0	< 5	9.65	106.99	17.05
	15	80.7	1.4	< 5	9.05	99.28	16.40
	25	81.8	2.4	5	9.10	97.97	15.50
	40	80.1	.89	5	9.40	88.23	9.40
	60	82.1	1.7	5	9.10	78.28	5.90
C1	1	77.1	1.1	< 5	9.55	106.11	17.05
	20	82.6	2.1	5	9.40	102.26	16.00
	40	79.1	1.0	5	10.50	97.94	9.15
	80	107	.95	5	10.70	89.38	4.75
	120	110	1.3	5	10.00	82.84	4.45
C2	1	77.5	1.1	5	9.20	101.79	16.85
	22	81.8	1.9	6	8.90	96.42	15.80
	40	87.6	.95	5	9.45	88.58	9.35
	75	106	.82	5	10.00	84.07	5.00
	120	-	-	-	-	-	-
C3	1	77.6	1.0	< 5	9.40	103.89	16.80
	10	77.7	1.0	5	8.90	97.95	16.60
	24	80.9	1.4	5	9.05	97.53	15.55
	47	83.2	1.0	5	9.70	87.12	7.60
	90	108	.90	5	10.35	86.04	4.60

Continued...

TABLE 7(a) KAMLOOPS LAKE WATER QUALITY - September, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	76.5	.98	5	9.45	105.11	17.10
	24	82.0	1.1	5	9.15	99.02	15.75
	40	75.2	.86	< 5	9.80	91.33	9.10
	70	104	1.0	5	10.65	89.04	4.80
	120	109	2.0	5	9.10	75.47	4.50
X2	1	76.9	.99	< 5	9.15	101.13	16.80
	20	81.1	1.0	< 5	9.15	99.33	15.90
	40	74.5	.95	5	10.05	95.19	9.80
	60	100	.95	5	10.40	88.08	5.30
	105	107	.92	5	10.10	83.96	4.60
D2	1	75.7	1.8	6	9.35	103.45	16.85
	25	76.9	1.5	5	9.00	96.69	15.40
	45	76.8	1.0	5	8.90	81.23	8.25
	65	74.0	.91	5	9.40	78.78	4.90
	90	105	.73	< 5	10.50	87.29	4.60
E2	1	76.0	.92	< 5	9.60	106.21	16.85
	10	77.1	1.2	< 5	8.70	95.54	16.45
	20	75.4	1.2	< 5	9.00	96.99	15.55
	35	69.4	.83	< 5	9.30	95.29	13.20
	38	70.3	.83	< 5	9.85	99.22	12.45
F	0	76.5	.95	< 5	9.20	101.46	16.70

TABLE 7(b) KAMLOOPS LAKE WATER QUALITY - September, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.8	30.8	8.0	3.1	.16
B1	1	7.7	29.0	7.5	2.6	.17
	5	7.7	30.2	6.8	14.6	.15
	10	7.8	30.5	7.7	2.6	.14
	27	7.9	31.2	7.7	4.4	.13
	34	7.7	27.9	7.0	2.0	.057
B2	1	7.8	29.6	7.5	2.0	.14
	10	7.8	30.6	7.7	2.2	.11
	25	7.8	30.4	7.7	2.3	.11
	35	7.6	27.4	7.0	2.8	.067
	55	7.7	36.2	9.2	2.6	.081
B3	1	7.8	29.6	7.7	2.2	.105
	15	7.8	30.3	7.7	2.8	.093
	25	7.7	30.3	7.7	2.2	.12
	40	7.7	30.4	7.7	2.3	.051
	60	7.8	30.4	7.7	1.8	-
C1	1	7.7	28.8	7.5	1.5	.18
	20	7.6	30.2	7.7	1.8	.14
	40	7.5	30.0	7.5	2.3	.062
	80	7.5	38.0	9.2	3.1	.056
	120	7.4	39.4	9.7	2.6	.057
C2	1	7.7	29.0	7.5	2.5	.12
	22	7.6	31.0	7.7	1.3	.11
	40	7.6	31.7	7.3	2.0	.10
	75	7.4	37.8	9.4	2.7	.05
	120	-	-	-	-	-
C3	1	7.8	29.2	7.5	1.5	.16
	10	7.8	29.4	6.3	3.0	.12
	24	7.7	29.8	5.0	5.1	.12
	47	7.5	32.0	7.7	2.4	.068
	90	7.6	38.4	9.5	2.1	.071

Continued...

TABLE 7(b) KAMLOOPS LAKE WATER QUALITY - September, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.7	28.8	7.5	1.5	.14
	24	7.6	30.0	7.5	1.8	.12
	40	7.4	29.0	7.3	1.7	.10
	70	7.6	37.3	9.2	2.4	.057
	120	7.4	39.1	9.0	2.8	.086
X2	1	7.7	29.2	7.3	1.7	.14
	20	7.7	29.8	7.3	2.2	.064
	40	7.5	29.2	7.0	2.5	.053
	60	7.5	36.3	8.7	3.4	.048
	105	7.5	38.3	8.7	3.4	.048
D2	1	7.8	28.8	7.0	2.0	.13
	25	7.6	28.5	7.3	1.7	.067
	45	7.7	28.5	7.5	1.5	.13
	65	7.5	28.1	7.0	2.0	.060
	90	7.6	32.5	7.5	4.8	.046
E2	1	7.8	28.5	9.5	2.5	.11
	10	7.7	29.0	7.3	1.5	.11
	20	7.6	28.1	7.0	1.5	.078
	35	7.5	26.8	6.8	1.5	.11
	38	7.5	26.6	7.3	1.2	.064
F	0	7.6	28.3	6.5	2.3	.16

TABLE 7(c) KAMLOOPS LAKE WATER QUALITY - September, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	11	5	6	11.6
B1	1	12	5	7	11.0
	5	10	3	7	11.4
	10	12	3	9	11.8
	27	20	5	15	11.6
	34	8	5	3	10.4
B2	1	11	3	8	11.4
	10	16	12	4	11.8
	25	8	3	5	11.8
	35	6	3	3	10.5
	55	9	2	7	13.3
B3	1	8	3	5	11.1
	15	9	4	5	11.6
	25	17	4	13	11.7
	40	5	5	0	11.7
	60	12	6	6	11.6
C1	1	7	6	1	11.3
	20	10	5	5	11.6
	40	4	3	1	11.7
	80	5	5	0	14.2
	120	6	6	0	15.1
C2	1	5	3	2	11.1
	22	9	4	5	11.8
	40	5	3	2	12.5
	75	4	3	1	14.4
	120	-	-	-	-
C3	1	7	2	5	11.9
	10	8	2	6	11.4
	24	6	2	4	11.4
	47	4	2	2	12.3
	90	5	3	2	14.2

Continued...

TABLE 7(c) KAMLOOPS LAKE WATER QUALITY - September, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	9	5	4	11.3
	24	20	2	18	12.1
	40	7	3	4	11.0
	70	7	4	3	14.4
	120	6	4	2	14.5
X2	1	6	3	3	11.7
	20	8	4	4	11.8
	40	7	4	3	11.4
	60	3	3	0	13.6
	105	6	4	2	14.8
D2	1	5	4	1	11.4
	25	10	3	7	11.1
	45	5	2	3	11.0
	65	4	3	1	11.0
	90	4	3	1	14.3
E2	1	28	3	25	11.4
	10	4	< 2	2	11.3
	20	15	8	7	11.2
	35	19	3	16	10.6
	38	4	2	2	10.7
F	0	8	2	6	11.7

*Calculated from TP-TDP

TABLE 7(d) KAMLOOPS LAKE WATER QUALITY - September, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	59	6	19	100	106	75
B1	1	12	7	25	160	167	128
	5	28	14	20	120	134	86
	10	28	8	19	98	106	71
	27	33	4	13	99	103	82
	34	91	3	3	99	102	93
B2	1	14	6	17	140	146	117
	10	30	10	14	120	130	96
	25	33	7	12	95	102	76
	35	91	5	4	91	96	82
	55	120	15	6	150	165	129
B3	1	23	12	13	300	312	275
	15	28	12	10	100	112	78
	25	59	10	14	94	104	70
	40	129	9	1	94	103	84
	60	32	17	-	110	127	-
C1	1	15	10	24	160	170	128
	20	32	12	15	120	132	93
	40	105	5	3	110	115	102
	80	134	6	17	120	126	97
	120	177	5	3	110	115	102
C2	1	21	6	14	110	116	90
	22	36	7	11	94	101	76
	40	71	10	9	110	120	91
	75	134	4	1	130	134	125
	120	-	-	-	-	-	-
C3	1	25	8	25	160	168	127
	10	26	12	12	110	122	86
	24	45	12	12	150	162	126
	47	113	4	4	110	114	102
	90	132	5	4	110	115	101

Continued...

TABLE 7(d) KAMLOOPS LAKE WATER QUALITY - September, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	17	3	20	140	143	117
	24	35	5	14	120	125	101
	40	104	2	5	120	122	113
	70	127	4	2	110	114	104
	120	168	4	7	140	144	129
X2	1	22	3	20	130	133	107
	20	38	8	7	150	158	135
	40	102	4	2	110	114	104
	60	127	4	3	150	154	143
	105	142	5	2	140	145	133
D2	1	13	6	13	130	136	111
	25	54	7	6	88	95	75
	45	31	5	13	130	135	112
	65	96	2	3	89	91	84
	90	134	5	2	120	125	113
E2	1	16	5	14	130	135	111
	10	33	5	11	110	115	94
	20	52	6	7	110	116	97
	35	85	6	13	93	99	74
	38	89	4	4	110	114	102
F	0	34	6	17	150	156	127

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 7(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - September, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.2	.30
		2	2.6	.48
		4	2.5	.38
		6	1.7	.26
		10	1.0	.74
		15	1.5	.36
		20	1.1	.56
C2		0	2.8	.64
		2	4.0	.98
		4	3.6	.61
		6	1.5	.48
		10	1.2	.29
		15	1.4	.48
		20	0.8	.56
G2		0	3.3	.02
		2	4.3	.00
		4	5.4	.01
		6	5.0	1.08
		10	3.2	.02
		15	2.6	.54
		20	0.8	.49
X2		0	0.8	.00
		2	3.4	.02
		4	3.2	.00
		6	2.6	.00
		10	1.7	.00
		15	0.5	.04
		20	0.2	.01
D2		0	3.1	.00
		2	3.6	.02
		4	3.7	.03
		6	3.0	.01
		10	1.0	.06
		15	0.7	.01
		20	0.7	.01
E2		0	2.0	.03
		2	3.1	.80
		4	2.8	.44
		6	4.9	.15
		10	2.3	.00
		15	1.0	.01
		20	0.2	.49

*Monthly Maximum Depth = 10 m

TABLE 7(f) KAMLOOPS LAKE ZOOPLANKTON - September, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	13818	14631	17283	17668	15850	1913	13672-18028	9668	12193	12107	13734	11926	1680	10012-13839
Cylops biscupidatus thomasi	598	1241	599	642	970	315	412 - 1128	214	856	513	727	578	281	258 - 897
Epischura nevadensis	86	257	299	43	171	126	28 - 314	171	171	214	128	171	35	131 - 211
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	941	1412	1112	941	1102	222	849 - 1354	1583	984	1241	1798	1402	361	991 - 1812
Bosmina longirostris	128	128	128	43	107	43	58 - 155	43	86	43	-	43	35	3 - 83
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	299	428	428	1027	546	327	173 - 918	1412	1925	1027	1241	1401	383	965 - 1837
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	86	128	214	43	118	73	35 - 201	86	43	43	43	54	22	29 - 78
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	3465	5262	3850	5348	4481	965	3383 - 5580	10695	7487	6930	8727	8460	1669	6559-10360
OTHER CLASSES	43	-	-	-	11	22	-14 - 35	-	-	-	-	-	-	-

Continued...

TABLE 7(f) KAMLOOPS LAKE ZOOPLANKTON - September, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1840	2171	2064	2235	2078	173	1880 - 2275	4406	4428	4428	4856	4530	218	4281 - 4778
Cylops biscupidatus thomasi	663	684	738	759	711	45	660 - 762	299	620	556	920	599	255	308 - 889
Epischura nevadensis	-	11	21	-	8	10	-4 - 20	43	43	150	-	59	64	-14 - 132
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	1861	1283	1155	1412	1428	307	1078 - 1778	770	1861	1412	1562	1401	460	877 - 1926
Bosmina longirostris	64	107	64	75	78	20	54 - 101	64	43	107	86	75	28	44 - 106
Leptodora kindtii	-	-	11	-	3	6	-4 - 9	-	-	-	-	-	-	-
Heolopedium gibberum	791	642	770	642	711	80	620 - 803	684	727	684	556	663	74	578 - 747
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	21	75	11	43	38	28	5 - 70	43	86	64	64	64	18	44 - 84
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	3658	4468	2984	2202	3328	965	2229 - 4427	3251	5497	5134	5690	4893	1119	3619 - 6167
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 7(f) KAMLOOPS LAKE ZOOPLANKTON - September, 1974
(Continued)

# / m³	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	7957	7743	7401	7701	7701	229	7440 - 7961	2417	1380	973	1342	1528	620	821 - 2235
Cylops biscupidatus thomasi	642	770	727	770	727	60	659 - 727	706	567	428	417	530	136	375 - 684
Epischura nevadensis	-	-	43	43	22	25	-7 - 22	43	21	-	5	17	19	-5 - 39
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	3123	1326	2053	2396	2225	747	1374 - 2225	856	824	513	497	673	194	452 - 893
Bosmina longirostris	86	43	128	171	107	55	44 - 107	64	53	118	134	92	40	47 - 138
Leptodora kindtii	-	-	-	-	-	-	-	-	11	-	-	3	6	-4 - 9
Heolopedium gibberum	1241	556	1070	471	835	379	403 - 835	770	898	930	840	860	70	779 - 940
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	214	86	128	86	129	60	60 - 129	-	-	64	-	16	32	-20 - 52
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	6503	7744	7914	5804	6991	1011	5840 - 6991	3422	3337	8166	2374	4325	2605	1359 - 7291
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 8(a) KAMLOOPS LAKE WATER QUALITY - October, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	84	2.3	5	10.50	95.71	8.20
B1	1	84	1.1	5	9.75	97.03	11.90
	7	85	1.0	6	9.70	96.31	11.85
	15	86	1.0	6	9.60	95.27	11.80
	23	85	1.2	6	9.70	95.62	11.50
	30	86	1.8	5	9.85	96.19	11.10
B2	1	85	.92	9	9.70	96.72	12.00
	10	85	1.0	9	9.75	97.22	12.00
	20	85	1.1	7	9.70	96.72	12.00
	45	90	1.8	5	10.40	97.35	9.30
	54	102	1.0	10	10.20	86.17	5.20
B3	1	84	1.1	6	9.65	96.13	12.05
	15	84	1.0	9	9.80	98.00	12.10
	30	84	.86	9	9.70	96.72	12.00
	41	84	1.4	9	9.60	93.31	10.90
	60	93	1.9	7	10.30	86.61	5.10
C1	1	83	1.0	7	9.75	97.22	12.00
	25	86	1.0	6	9.80	97.07	11.70
	44	87	1.4	8	10.40	99.23	10.10
	69	100	.87	5	9.80	82.59	5.10
	95	100	1.0	9	10.30	86.01	4.75
C2	1	84	.89	5	9.55	95.23	12.00
	20	85	.84	5	9.80	97.62	11.95
	40	86	1.3	6	10.20	98.96	10.80
	70	102	.81	10	10.55	88.56	5.05
	120	108	1.4	13	8.33	69.25	4.60
C3	1	83	.74	9	9.70	97.00	12.10
	30	84	.86	9	9.50	94.73	12.00
	40	86	1.0	9	9.90	95.78	10.70
	50	96	.76	9	10.20	87.49	5.75
	85	99	.96	10	10.25	85.69	4.80

Continued...

TABLE 8(a) KAMLOOPS LAKE WATER QUALITY - October, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	83	.64	7	9.70	96.86	12.05
	30	85	.81	7	9.60	95.27	11.80
	40	84	.76	7	9.80	92.82	9.80
	70	101	.56	10	10.30	86.68	5.00
	118	109	1.2	10	9.10	75.65	4.60
X2	1	83	.66	6	9.60	95.54	11.90
	20	86	.77	8	9.70	96.40	11.85
	38	89	1.0	8	9.80	93.76	10.20
	50	88	.76	10	9.95	86.78	6.45
	103	101	.88	10	10.05	83.92	4.75
D2	1	82	.66	5	9.70	97.19	12.20
	25	81	1.0	5	9.55	95.68	12.20
	55	94	.87	10	10.40	91.62	6.85
	70	101	1.0	8	10.05	84.91	5.20
	90	-	-	-	-	-	-
E2	1	79	.64	6	9.40	93.55	11.90
	15	90	.68	6	9.35	93.10	11.95
	25	83	.71	7	9.30	90.65	11.00
	40	83	.79	9	9.10	87.63	10.50
	43	89	1.0	9	-	-	8.50
F	0	80	.72	7	9.50	94.10	11.70

TABLE 8(b) KAMLOOPS LAKE WATER QUALITY - October, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	32.7	7.8	2.8	.15
B1	1	7.6	31.1	7.7	2.4	.17
	7	7.5	31.4	7.4	2.1	.067
	15	7.4	31.2	6.0	2.6	.18
	23	7.5	31.7	7.8	2.2	.17
	30	7.5	31.4	8.2	1.6	.24
B2	1	7.3	30.7	7.6	2.1	.17
	10	7.5	31.0	7.5	2.3	.16
	20	7.7	32.0	7.7	2.4	.14
	45	7.6	34.5	7.9	2.4	.19
	54	7.6	37.7	9.0	2.8	.086
B3	1	7.6	31.4	7.5	2.8	.16
	15	7.6	31.3	7.8	1.7	.18
	30	7.6	31.3	7.5	2.0	.23
	41	7.6	30.9	7.7	1.9	.18
	60	7.5	34.9	8.3	2.7	.17
C1	1	7.5	30.7	7.5	2.6	.20
	25	7.5	31.4	7.7	3.3	-
	44	7.4	32.0	7.7	2.9	.12
	69	7.4	37.3	9.4	3.4	.087
	95	7.4	36.8	9.2	2.8	.084
C2	1	7.6	30.9	6.9	2.3	.14
	20	7.5	31.0	7.6	1.9	.15
	40	7.5	32.6	8.0	3.8	.18
	70	7.3	37.3	9.0	1.1	.066
	120	7.2	39.0	9.6	3.0	.14
C3	1	7.4	30.7	7.7	5.7	.15
	30	7.9	31.0	7.7	2.9	.16
	40	7.5	32.2	7.8	2.6	.21
	50	7.3	35.5	8.8	2.7	.11
	85	7.3	36.1	9.2	3.1	.080

Continued...

TABLE 8(b) KAMLOOPS LAKE WATER QUALITY - October, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.5	30.6	7.4	2.4	.14
	30	7.5	37.4	7.4	2.4	.13
	40	7.5	30.9	7.4	2.4	.15
	70	7.4	37.1	9.0	3.0	.11
	118	7.3	39.2	9.0	4.0	.13
X2	1	7.5	30.7	7.4	2.7	.14
	20	7.5	31.5	7.7	2.5	.16
	38	7.4	32.8	7.9	2.5	.21
	50	7.3	33.0	8.5	1.8	.15
	103	7.3	37.0	8.8	2.4	.11
D2	1	7.4	29.9	7.5	2.6	.14
	25	7.4	30.2	7.2	2.5	.13
	55	7.4	34.6	9.0	2.0	.095
	70	7.3	37.1	8.6	3.8	.092
	90	-	-	-	-	-
E2	1	7.5	30.0	8.8	1.3	.16
	15	7.4	29.4	7.4	2.1	.14
	25	7.4	30.8	7.8	2.3	.073
	40	7.3	31.1	7.7	2.4	.11
	43	7.3	32.2	7.8	2.3	.10
F	0	7.5	30.7	7.4	3.5	.16

TABLE 8(c) KAMLOOPS LAKE WATER QUALITY - October, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	12	3	9	4.6
B1	1	7	3	4	4.4
	7	7	2	5	4.5
	15	6	3	3	4.5
	23	8	3	5	4.6
	30	8	4	4	4.6
B2	1	12	4	8	4.5
	10	8	2	6	4.5
	20	6	< 2	4	4.5
	45	9	2	7	5.1
	54	7	3	4	5.9
B3	1	6	2	4	4.4
	15	8	2	6	4.5
	30	8	2	6	4.5
	41	7	2	5	4.5
	60	8	2	6	5.4
C1	1	11	2	9	4.5
	25	7	2	5	4.6
	44	10	3	7	4.8
	69	7	3	4	5.8
	95	7	5	2	5.8
C2	1	7	2	5	4.4
	20	6	< 2	4	4.5
	40	8	2	6	4.8
	70	5	2	3	5.9
	120	7	4	3	6.2
C3	1	8	8	0	4.4
	30	8	2	6	4.5
	40	7	2	5	4.7
	50	5	3	2	5.8
	85	66	71	(-5)	5.8

Continued...

TABLE 8(c) KAMLOOPS LAKE WATER QUALITY - October, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	6	3	3	4.4
	30	6	2	4	4.6
	40	6	3	3	4.5
	70	5	3	2	5.8
	118	5	3	2	6.0
X2	1	7	4	3	4.5
	20	7	4	3	4.6
	38	7	2	5	4.9
	50	5	2	3	5.5
	103	5	3	2	5.9
D2	1	9	< 2	7	4.3
	25	5	< 2	3	4.4
	55	5	< 2	3	5.6
	70	5	< 2	3	5.8
	90	-	-	-	-
E2	1	4	< 2	2	4.4
	15	5	< 2	3	4.5
	25	5	3	2	5.0
	40	5	3	2	5.1
	43	6	2	4	5.5
F	0	12	2	10	4.5

*Calculated from TP-TDP

TABLE 8(d) KAMLOOPS LAKE WATER QUALITY - October, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	51	10	18	170	221	142
B1	1	44	6	23	140	184	111
	7	45	8	44	130	175	78
	15	45	6	24	120	165	90
	23	46	9	24	130	176	97
	30	48	10	31	150	198	109
B2	1	191	9	25	170	361	136
	10	340	7	22	190	530	161
	20	48	9	21	120	168	90
	45	78	6	20	110	188	84
	54	132	3	7	120	252	110
B3	1	44	7	22	130	174	101
	15	44	10	25	130	174	95
	30	45	9	30	130	175	91
	41	62	56	22	140	202	62
	60	98	3	18	95	193	74
C1	1	44	11	25	130	174	94
	25	47	9	-	120	167	-
	44	56	8	15	110	166	87
	69	131	5	6	94	225	83
	95	131	4	8	96	227	84
C2	1	44	6	19	110	154	85
	20	55	9	22	100	155	69
	40	68	8	21	99	167	70
	70	138	7	4	150	288	139
	120	202	5	17	140	242	118
C3	1	44	7	21	100	144	72
	30	47	8	21	110	157	81
	40	57	9	31	200	257	160
	50	129	8	11	120	249	101
	85	174	4	7	140	314	129

Continued...

TABLE 8(d) KAMLOOPS LAKE WATER QUALITY - October, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	43	8	18	110	153	84
	30	47	6	17	140	187	117
	40	48	9	21	160	208	130
	70	134	6	10	110	244	94
	118	180	3	12	140	320	125
X2	1	53	5	16	160	213	139
	20	80	5	20	110	190	85
	38	70	7	20	140	210	113
	50	114	2	14	99	213	83
	103	137	5	9	120	257	106
D2	1	46	2	19	130	176	109
	25	49	3	16	120	169	101
	55	121	2	8	110	231	100
	70	138	4	7	170	308	159
	90	-	-	-	-	-	-
E2	1	50	4	20	94	144	70
	15	54	4	18	96	150	74
	25	80	7	7	85	165	71
	40	91	15	10	89	180	64
	43	117	4	8	99	216	87
F	0	56	5	17	94	150	72

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 8(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - October, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	1.4	.48
		2	2.1	.25
		4	1.6	.64
		6	1.7	.41
		10	1.6	.56
		15	1.6	-
		20	.8	.96
C2		0	1.7	.62
		2	2.2	.86
		4	1.2	.63
		6	.9	.67
		10	.8	.51
		15	1.7	.67
		20	.8	.58
G2		0	1.0	.21
		2	2.1	.58
		4	2.8	.39
		6	1.0	.49
		10	2.2	.41
		15	2.5	.59
		20	1.9	.58
X2		0	1.5	-
		2	2.1	.00
		4	2.0	.44
		6	2.0	.59
		10	1.5	.69
		15	1.0	.52
		20	.8	.41
D2		0	1.8	.41
		2	-	.70
		4	1.4	-
		6	1.9	.37
		10	1.4	.34
		15	1.2	.57
		20	.9	.58
E2		0	.9	.30
		2	2.7	.47
		4	2.0	-
		6	.6	.39
		10	2.5	.48
		15	-	.40
		20	1.6	.48

*Monthly Maximum Depth = 10 m

TABLE 8(f) KAMLOOPS LAKE ZOOPLANKTON - October, 1974

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	20150	20877	23914	21861	21701	1634	19840-23561	5797	5070	6267	5604	5686	495	5120 - 6249
Cylops biscupidatus thomasi	1540	1925	1882	1668	1754	181	1547 - 1960	535	620	963	791	727	190	511 - 943
Epischura nevadensis	428	471	513	471	471	35	431 - 510	64	21	107	107	75	41	28 - 122
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	2866	1754	3765	2824	2802	823	1865 - 3739	620	770	556	1005	738	199	511 - 965
Bosmina longirostris	257	171	86	128	161	73	77 - 244	107	128	107	171	128	30	94 - 163
Leptodora kindtii	128	43	-	-	43	60	-26 - 111	-	-	-	-	-	-	-
Heolopedium gibberum	214	86	86	-	96	88	-4 - 197	64	21	107	128	80	48	26 - 134
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	342	86	86	257	193	128	47 - 339	86	128	86	214	129	60	60 - 197
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7059	4578	8813	2695	5786	2695	2717 - 8856	5262	4898	4834	5198	5048	213	4805 - 5291
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 8(f) KAMLOOPS LAKE ZOOPLANKTON - October, 1974
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1091	1412		1230	1244	161	949 - 1540	577	524	647	604	588	51	529 - 647
Cylops biscupidatus thomasi	460	647		888	665	215	271 - 1059	417	342	497	364	405	69	326 - 484
Epischura nevadensis	-	11		-	4	6	-8 - 15	5	5	16	11	9	5	3 - 15
Other	-	-		-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	449	733		444	542	165	238 - 846	187	166	219	176	187	23	161 - 213
Bosmina longirostris	75	96		70	80	14	55 - 106	27	53	59	43	46	14	30 - 61
Leptodora kindtii	-	-		-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	171	299		401	290	115	79 - 502	149	112	166	139	142	23	116 - 167
Other	-	-		-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	32	16		27	25	8	10 - 40	32	102	91	64	72	31	37 - 108
Keratella sp.	-	-		-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-		-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-		-	-	-	-	-	-	-	-	-	-	-
Other	-	-		-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	2599	1711		2759	2356	565	1319 - 3394	2364	2551	2626	2749	2573	161	2389 - 2756
OTHER CLASSES	-	-		-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 8(f) KAMLOOPS LAKE ZOOPLANKTON - October, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	6279	4984	5369	493	4281	2583	1339 - 7223	850	807	786	845	822	31	787 - 857
Cylops biscupidatus thomasi	1059	684	749	619	778	195	556 - 1000	337	428	299	545	402	109	278 - 527
Epischura nevadensis	32	21	-	43	24	18	3 - 45	5	-	11	16	8	7	0 - 16
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	984	578	813	727	776	170	582 - 969	273	235	294	235	259	29	226 - 293
Bosmina longirostris	86	43	107	-	59	48	5 - 113	70	107	59	107	86	25	57 - 114
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	267	107	150	86	153	81	60 - 245	476	508	449	556	497	46	445 - 550
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	86	43	299	235	166	121	28 - 304	112	150	59	43	91	49	35 - 147
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	3647	2332	6631	4470	4270	1804	2216 - 6324	2840	2797	2572	2396	2651	207	2416 - 2887
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 9(a) KAMLOOPS LAKE WATER QUALITY - November, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	121	2.0	20	11.55	96.33	4.70
B1	1	93.5	.6	15	10.30	93.07	7.85
	5	93.6	1.0	15	10.30	93.07	7.85
	25	96.6	.7	15	10.30	92.38	7.55
	30	94.8	1.1	15	10.30	90.86	6.90
	32	98.1	1.0	10	10.40	91.86	6.95
B2	1	94.2	.8	15	10.30	93.15	7.90
	10	95.1	.75	15	10.20	92.24	7.90
	25	94.7	.7	15	10.20	91.84	7.70
	40	95.5	1.3	15	10.35	93.19	7.70
	52.5	97.2	1.2	15	10.30	91.91	7.35
B3	1	93	.8	15	10.30	93.27	7.95
	10	88.2	.55	15	10.30	93.15	7.90
	25	95.2	1.0	15	10.30	93.15	7.90
	40	95.8	1.1	15	10.30	92.74	7.70
	52.5	96.4	1.4	15	10.20	91.61	7.60
C1	1	91.3	.65	15	10.40	94.42	8.05
	12	91.7	.9	15	10.55	95.78	8.05
	64	93.2	.85	15	10.40	91.51	6.80
	96	92.6	.7	14	10.20	86.28	5.25
	126	99.4	1.2	16	10.40	86.84	4.75
C2	1	92.1	1.0	15	10.45	94.34	7.80
	25	91.8	1.0	15	10.25	92.53	7.80
	60	97.3	1.4	15	10.40	92.09	7.05
	80	100.1	1.2	15	10.10	86.56	5.75
	125	108.7	1.3	15	9.20	76.73	4.70
C3	1	91.6	.6	15	10.25	92.53	7.80
	20	93.2	1.3	15	10.35	93.52	7.85
	40	93.3	1.5	15	10.25	92.53	7.80
	65	97.5	.7	15	10.25	90.19	6.80
	94	104	.6	15	10.10	85.23	5.15

Continued...

TABLE 9(a) KAMLOOPS LAKE WATER QUALITY - November, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	91.9	0.60	12	10.20	93.30	8.35
	25	93.3	0.60	13	10.25	93.55	8.25
	50	98.4	1.0	15	10.20	90.90	7.30
	80	104	1.0	15	10.00	84.38	5.15
	120	106	1.1	15	9.80	81.93	4.80
X2	1	91.3	0.6	10	10.30	94.42	8.45
	30	91.0	0.5	11	10.30	94.55	8.50
	45	96.1	0.7	15	10.10	90.47	7.50
	60	103	0.5	15	10.00	85.11	5.50
	104	107	1.1	15	9.65	80.48	4.70
D2	1	88.9	0.7	14	10.25	94.34	8.60
	30	91.7	0.5	10	10.20	94.00	8.65
	45	101	0.5	15	9.90	88.34	7.35
	65	105	1.1	15	9.70	82.15	5.30
	95	106	1.1	15	9.70	81.45	4.95
E2	1	88.2	0.7	15	10.25	94.59	8.70
	10	88.4	0.6	10	10.15	93.66	8.70
	25	88.3	0.7	10	10.15	93.75	8.75
	45	89.2	0.8	10	10.15	93.54	8.65
	46	95.2	0.9	15	9.95	91.01	8.35
F	0	89.8	0.8	13	10.30	94.67	8.55

TABLE 9(b) KAMLOOPS LAKE WATER QUALITY - November, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.7	121	11.1	1.8	.55
B1	1	7.7	93.5	9.4	2.7	.24
	5	7.7	93.6	10.7	0.7	.21
	25	7.7	96.6	10.0	1.8	.17
	30	7.6	94.8	10.3	1.0	.27
	32	7.7	98.1	10.0	1.3	.20
B2	1	7.6	94.2	10.0	1.3	.15
	10	7.6	95.1	10.2	1.2	.15
	25	7.6	94.7	10.2	1.3	.13
	40	7.64	95.5	10.2	0.8	.16
	52.5	7.7	97.2	10.2	1.5	.14
B3	1	7.6	93.0	9.7	3.0	.23
	10	7.6	88.2	9.9	2.5	.14
	25	7.6	95.2	10.0	2.5	.13
	40	7.6	95.8	9.9	2.3	.14
	52.5	7.6	96.4	10.0	1.7	.14
C1	1	7.6	91.3	9.7	1.3	.15
	12	7.7	91.7	9.5	2.7	.13
	64	7.7	93.2	9.7	2.2	.11
	96	7.9	92.6	9.7	0.9	.13
	126	7.6	99.4	10.2	1.9	.084
C2	1	7.6	92.1	9.2	2.2	.14
	25	7.7	91.8	9.3	1.7	.31
	60	7.8	97.3	9.7	1.9	.22
	80	7.6	100.1	9.8	2.3	.14
	125	7.6	108.7	10.4	1.8	.24
C3	1	7.7	91.6	9.1	1.9	.12
	20	7.7	93.2	9.5	1.7	.27
	40	8.0	93.3	9.2	2.1	.25
	65	8.0	97.5	9.8	2.0	.15
	94	7.7	104	10.0	2.0	.13

Continued...

TABLE 9(b) KAMLOOPS LAKE WATER QUALITY - November, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.8	91.9	10.0	1.1	.13
	25	7.8	93.3	10.0	0.7	.21
	50	7.8	98.4	10.6	0.5	.27
	80	7.8	104	10.5	2.0	.089
	120	7.9	106	11.3	1.5	.10
X2	1	7.8	91.3	9.5	0.9	.10
	30	7.8	91.0	9.5	1.0	.23
	45	7.8	96.1	9.9	1.5	.17
	60	7.9	103	11.0	1.8	.19
	104	7.9	107	11.5	1.0	.16
D2	1	7.7	88.9	9.2	3.9	.11
	30	7.7	91.7	9.2	1.5	.15
	45	7.7	101	10.8	1.4	.12
	65	7.7	105	10.7	1.5	.099
	95	7.7	106	10.9	1.9	.13
E2	1	7.6	88.2	8.9	1.8	.10
	10	7.6	88.4	9.2	1.3	.13
	25	7.7	88.3	9.0	1.8	.10
	45	7.8	89.2	9.2	1.6	.12
	46	7.8	95.2	9.5	1.7	.13
F	0	7.8	89.8	9.2	1.9	.12

TABLE 9(c) KAMLOOPS LAKE WATER QUALITY - November, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	16	4	12	5.1
B1	1	5	< 2	3	4.9
	5	6	< 2	4	4.9
	25	6	< 2	4	4.9
	30	5	2	3	4.9
	32	8	3	5	5.0
B2	1	8	2	6	4.9
	10	7	2	5	5.0
	25	8	3	5	4.9
	40	8	2	6	4.9
	52.5	7	2	5	5.0
B3	1	9	3	6	4.8
	10	5	3	2	4.8
	25	6	4	2	4.9
	40	7	4	3	5.0
	52.5	10	2	8	5.0
C1	1	5	2	3	4.7
	12	6	2	4	4.8
	64	5	< 2	3	4.7
	96	5	4	1	4.8
	126	20	3	17	5.0
C2	1	6	3	3	4.7
	25	6	3	3	4.5
	60	5	3	2	4.9
	80	6	3	3	5.4
	125	9	6	3	5.7
C3	1	5	2	3	4.6
	20	7	2	5	4.7
	40	6	3	3	4.7
	65	5	3	2	5.0
	94	4	2	2	5.6

Continued...

TABLE 9(c) KAMLOOPS LAKE WATER QUALITY - November, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	4	4	0	4.6
	25	4	3	1	4.6
	50	5	< 2	3	4.9
	80	4	< 2	2	4.6
	120	4	2	2	5.6
X2	1	6	3	3	4.5
	30	3	2	1	4.4
	45	2	2	0	4.9
	60	3	3	0	5.4
	104	5	3	2	5.1
D2	1	5	2	3	4.5
	30	5	4	1	4.5
	45	6	6	0	5.3
	65	6	4	2	5.6
	95	6	5	1	5.7
E2	1	5	2	3	4.5
	10	5	2	3	4.5
	25	11	5	6	4.5
	45	6	2	4	4.6
	46	5	4	1	5.0
F	0	4	3	1	4.5

*Calculated from TP-TDP

TABLE 9(d) KAMLOOPS LAKE WATER QUALITY - November, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	63	18	36	182	245	128
B1	1	73	10	18	95	168	67
	5	74	10	15	73	147	48
	25	86	15	16	81	167	50
	30	76	11	20	76	152	45
	32	76	11	22	82	158	49
B2	1	76	14	15	76	152	47
	10	80	12	16	73	153	45
	25	81	19	16	82	163	47
	40	82	17	20	85	167	48
	52.5	107	40	19	123	230	64
B3	1	76	22	17	123	199	84
	10	84	12	19	139	223	108
	25	86	13	16	41	127	12
	40	79	10	20	105	184	75
	52.5	92	11	17	124	216	96
C1	1	70	8	17	64	134	39
	12	70	9	16	42	112	17
	64	76	10	14	61	137	37
	96	72	16	15	247	319	216
	126	84	15	8	106	190	83
C2	1	71	13	16	80	151	51
	25	72	14	28	98	170	56
	60	89	13	16	74	163	45
	80	123	7	11	58	181	40
	125	167	12	18	61	228	31
C3	1	70	9	16	49	119	24
	20	77	11	26	61	138	24
	40	84	8	27	106	190	71
	65	105	11	15	42	147	16
	94	140	7	11	96	236	78

Continued...

TABLE 9(d) KAMLOOPS LAKE WATER QUALITY - November, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	92	8	17	64	156	39
	25	71	7	21	58	129	30
	50	89	12	20	58	147	26
	80	137	9	8	64	201	47
	120	150	9	9	82	232	64
X2	1	85	7	13	107	192	87
	30	70	6	17	89	159	66
	45	95	7	15	121	216	99
	60	134	5	15	112	246	82
	104	161	5	15	112	273	82
D2	1	72	9	13	52	124	30
	30	80	8	18	15	95	(-11)
	45	119	6	11	56	175	39
	65	145	9	7	25	170	9
	95	152	7	10	58	210	41
E2	1	72	7	13	58	130	38
	10	69	8	15	49	118	26
	25	71	10	12	48	119	26
	45	73	10	16	75	148	49
	46	100	8	15	72	172	49
F	0	67	5	15	45	112	25

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 9(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - November, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	0.5	0.46
		2	0.6	0.33
		4	0.2	0.22
		6	0.9	0.61
		10	0.7	0.41
		15	0.8	0.65
		20	1.0	1.20
C2		0	0.7	0.56
		2	0.8	0.38
		4	0.5	0.12
		6	0.8	0.56
		10	0.4	0.47
		15	0.8	0.44
		20	0.4	0.63
G2		0	0.6	0.56
		2	0.5	0.56
		4	0.4	0.56
		6	0.2	0.62
		10	0.4	0.36
		15	0.5	0.45
		20	0.5	0.50
X2		0	0.5	0.26
		2	0.5	0.58
		4	0.6	0.73
		6	0.6	0.62
		10	0.5	0.74
		15	0.2	0.41
		20	0.6	-
D2		0	0.8	0.55
		2	1.0	0.40
		4	1.2	0.48
		6	< 0.1	0.28
		10	0.8	0.21
		15	0.6	0.28
		20	0.2	0.18
E2		0	0.6	0.18
		2	0.6	0.47
		4	0.5	0.15
		6	0.6	0.19
		10	0.7	0.23
		15	0.7	0.11
		20	0.6	0.10

*Monthly Maximum Depth = 10 m

TABLE 9(f) KAMLOOPS LAKE ZOOPLANKTON - November, 1974

# / m³	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	5583	5818	5005	6631	5759	674	4992 - 6527	7316	5775	7358	5561	6503	968	5400 - 7605
Cylops biscupidatus thomasi	1219	1241	1048	1455	1241	167	1051 - 1431	1369	1198	1540	1390	1374	140	1215 - 1534
Epischura nevadensis	64	43	43	21	43	18	23 - 63	107	64	107	64	86	25	57 - 114
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	385	342	364	193	321	87	222 - 420	321	321	385	513	385	91	282 - 488
Bosmina longirostris	406	193	214	171	246	108	123 - 369	620	321	492	492	481	123	342 - 621
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	21	21	43	128	53	51	-5 - 111	107	43	86	64	75	28	44 - 106
Other														
ROTIFERA														
Kellicottia longispina	877	770	620	642	727	120	591 - 863	706	727	1048	813	824	157	645 - 1002
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	470	278	428	749	481	197	257 - 705	856	1005	834	2182	1219	646	483 - 1955
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7722	6995	8278	9968	8241	1266	6799 - 9682	6075	6631	7594	8299	7150	990	6022 - 8278
OTHER CLASSES	21	-	-	-	5	11	-7 - 17	-	-	-	-	-	-	-

Continued...

TABLE 9(f) KAMLOOPS LAKE ZOOPLANKTON - November, 1974
(Continued)

# / m³	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	4021	4791	3187	4599	4150	720	3329 - 4970	5326	3701	3786	3936	4187	765	3316 - 5059
Cylops biscupidatus thomasi	1476	1583	1198	1198	1364	196	1140 - 1587	1155	1497	1134	1326	1278	169	1085 - 1471
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	150	43	193	128	129	63	57 - 200	150	107	128	21	102	56	37 - 166
Bosmina longirostris	107	128	128	128	123	11	111 - 135	471	428	342	342	396	65	322 - 469
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	171	235	150	193	187	36	146 - 229	171	43	150	86	113	59	46 - 179
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	150	193	171	193	177	21	153 - 200	535	599	513	556	551	37	509 - 592
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	257	342	428	813	460	245	180 - 740	513	599	513	428	513	70	434 - 593
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7786	9476	6246	10075	8396	1730	6425 -10366	8684	8107	5412	8471	7669	1523	5934 - 9403
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 9(f) KAMLOOPS LAKE ZOOPLANKTON - November, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	4171	3358	2652	3743	3481	645	2747 - 4215	2824	3358	3786	3059	3257	415	2784 - 3729
Cylops biscupidatus thomasi	1091	941	770	1241	1011	202	781 - 1241	385	663	877	513	610	211	369 - 850
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	214	86	107	21	107	80	16 - 198	43	107	43	43	59	32	23 - 95
Bosmina longirostris	150	107	193	193	161	41	114 - 208	21	193	86	21	80	81	-12 - 173
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	64	64	-	128	64	52	4 - 124	150	43	64	-	64	63	-8 - 136
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	428	727	770	513	610	165	421 - 798	150	214	406	257	257	109	133 - 381
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	620	2139	877	877	1128	685	349 - 1908	770	770	1091	941	893	155	717 - 1069
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7957	9112	8449	9112	8658	562	8018 - 9297	7914	9604	7016	3807	7085	2435	4313 - 9858
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 10(a) KAMLOOPS LAKE WATER QUALITY - December, 1974

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	119	4.2	27	13.90	110.18	2.80
B1							
B2	1	102	1.5	16	12.25	103.37	5.15
	15	103	1.0	16	12.30	103.79	5.15
	30	103	1.3	16	12.45	105.05	5.15
	40	107	1.1	18	12.00	100.89	5.00
	53	107	1.5	18	12.55	104.33	4.60
B3							
C1							
C2	1	103	1.6	20	12.20	103.20	5.25
	40	103	1.3	16	12.05	102.05	5.30
	70	103	1.0	16	12.10	102.48	5.30
	100	103	1.1	17	12.30	103.92	5.20
	130	103	1.0	16	12.70	106.90	5.05
C3							

Continued...

TABLE 10(a) KAMLOOPS LAKE WATER QUALITY - December, 1974
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	101	1.1	14	12.10	102.98	5.50
	30	103	1.2	14	12.10	102.98	5.50
	70	102	1.0	14	12.30	104.68	5.50
	100	103	1.1	15	12.20	102.82	5.10
	120	104	1.0	16	12.30	103.66	5.10
X2	1	101	0.8	15	11.90	101.73	5.65
	20	101	1.0	16	12.20	104.43	5.70
	50	100	1.0	15	12.30	105.28	5.70
	80	102	1.4	15	11.90	101.86	5.70
	105	103	1.5	15	11.90	101.44	5.55
D2	1	98	1.0	14	12.45	107.10	5.90
	10	98	1.6	15	12.40	106.80	5.95
	40	99	1.4	14	12.20	105.08	5.95
	70	96	0.8	15	12.00	103.48	6.00
	90	102	1.2	15	11.85	101.68	5.80
E2	1	97	1.0	14	12.45	107.36	6.00
	10	96	1.0	16	12.40	106.93	6.00
	20	95	1.0	15	12.60	108.66	6.00
	30	100	1.2	13	12.50	107.79	6.00
	40	95	0.8	15	12.55	108.23	6.00
F	0	96	1.7	14	12.65	108.55	5.80

TABLE 10(b) KAMLOOPS LAKE WATER QUALITY - December, 1974

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	40.5	11.0	1.6	.32
B1						
B2	1	7.6	36.4	11.0	.8	.24
	15	7.5	36.9	10.4	.4	.16
	30	7.5	36.9	10.2	1.4	.24
	40	7.2	37.3	10.4	2.0	.16
	53	7.2	26.9	10.2	2.0	.13
B3						
C1						
C2	1	7.5	37.4	10.2	.8	.16
	40	7.6	36.9	10.0	1.2	.12
	70	7.6	37.0	9.8	1.2	.12
	100	7.6	36.6	10.0	.4	.11
	130	7.4	36.2	10.2	.8	.12
C3						

Continued...

TABLE 10(b) KAMLOOPS LAKE WATER QUALITY - December, 1974
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.6	36.3	10.2	.4	.13
	30	7.6	36.3	10.2	.4	.12
	70	7.6	36.5	10.0	.4	.16
	100	7.5	36.4	10.2	.0	.12
	120	7.6	36.5	10.8	.0	.11
X2	1	7.6	35.4	10.0	.6	.098
	20	7.6	37.5	9.6	.2	.15
	50	7.6	36.0	10.2	.4	.093
	80	7.6	36.1	10.6	.2	.12
	105	7.5	37.0	10.6	.4	.11
D2	1	7.5	35.4	9.6	2.6	.13
	10	7.6	35.3	9.2	1.4	.16
	40	7.6	36.1	9.6	.6	.086
	70	7.6	35.0	10.0	.2	.10
	90	7.6	36.1	9.6	1.0	.16
E2	1	7.6	34.9	9.2	.4	.089
	10	7.6	34.8	9.4	.8	.12
	20	7.6	34.6	9.4	1.2	.14
	30	7.6	35.7	9.4	.4	.12
	40	7.5	34.7	9.6	.6	.13
F	0	7.6	34.9	9.8	.2	.16

TABLE 10(c) KAMLOOPS LAKE WATER QUALITY - December, 1974

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	12	8	4	5.4
B1					
B2	1	5	4	1	5.2
	15	5	5	0	5.2
	30	7	6	1	5.2
	40	7	4	3	5.2
	53	10	4	6	5.2
B3					
C1					
C2	1	7	5	2	5.2
	40	6	6	0	5.2
	70	6	8	(-2)	5.2
	100	7	6	1	5.3
	130	10	4	6	5.3
C3					

Continued...

TABLE 10(c) KAMLOOPS LAKE WATER QUALITY - December, 1974
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	9	7	2	5.4
	30	6	5	1	5.4
	70	10	5	5	5.3
	100	4	4	0	5.3
	120	5	4	1	5.3
X2	1	6	5	1	5.1
	20	8	6	2	5.2
	50	5	5	0	5.2
	80	8	5	3	5.3
	105	9	2	7	5.3
D2	1	6	5	1	5.0
	10	4	3	1	5.1
	40	4	3	1	5.1
	70	4	5	(-1)	5.3
	90	5	5	0	5.3
E2	1	6	2	4	5.0
	10	8	2	6	4.9
	20	8	4	4	5.0
	30	16	3	13	5.0
	40	7	3	4	5.0
F	0	4	3	1	5.0

*Calculated from TP-TDP

TABLE 10(d) KAMLOOPS LAKE WATER QUALITY - December, 1974

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	110	26	37	162	272	99
B1							
B2	1	108	6	18	126	234	102
	15	109	7	16	121	230	98
	30	109	9	22	107	216	76
	40	109	10	18	104	213	76
	53	108	15	15	126	234	96
B3							
C1							
C2	1	113	7	20	102	215	75
	40	112	10	15	98	210	73
	70	112	6	16	78	190	56
	100	112	8	15	107	219	84
	130	112	7	18	78	190	53
C3							

Continued...

TABLE 10(d) KAMLOOPS LAKE WATER QUALITY - December, 1974
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	110	11	14	90	200	66
	30	110	5	15	65	175	45
	70	109	8	22	70	179	40
	100	110	9	14	76	186	53
	120	110	6	14	97	207	77
X2	1	104	5	13	94	198	76
	20	105	11	15	202	307	176
	50	106	9	13	91	197	69
	80	108	7	15	72	180	50
	105	113	9	16	67	180	42
D2	1	103	6	20	84	187	58
	10	100	6	18	80	180	56
	40	101	9	12	104	205	83
	70	112	4	13	100	212	83
	90	116	9	21	79	195	49
E2	1	95	10	12	78	173	56
	10	94	9	17	85	179	59
	20	92	8	18	85	177	59
	30	92	6	14	88	180	68
	40	93	9	13	85	178	63
F	0	100	10	18	100	200	72

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 10(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - December, 1974

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	< 0.1	0.60
		2	< 0.1	0.80
		4	< 0.1	0.70
		6	0.6	0.60
		10	< 0.1	-
		15	< 0.1	-
		20	< 0.1	0.60
C2		0	< 0.1	0.40
		2	< 0.1	0.50
		4	< 0.1	0.50
		6	< 0.1	0.50
		10	< 0.1	0.50
		15	< 0.1	0.50
		20	< 0.1	-
G2		0	< 0.1	0.40
		2	< 0.1	-
		4	< 0.1	0.40
		6	< 0.1	-
		10	< 0.1	-
		15	< 0.1	0.40
		20	< 0.1	0.50
X2		0	< 0.1	-
		2	< 0.1	0.40
		4	< 0.1	0.40
		6	< 0.1	0.40
		10	< 0.1	0.50
		15	< 0.1	0.80
		20	< 0.1	0.20
D2		0	< 0.1	0.10
		2	< 0.1	0.20
		4	< 0.1	0.10
		6	< 0.1	0.10
		10	< 0.1	0.30
		15	< 0.1	0.30
		20	< 0.1	0.20
E2		0	< 0.1	0.30
		2	< 0.1	0.20
		4	< 0.1	0.40
		6	< 0.1	-
		10	< 0.1	0.40
		15	< 0.1	-
		20	< 0.1	0.40

*Monthly Maximum Depth = 10 m

TABLE 10(f) KAMLOOPS LAKE ZOOPLANKTON - December, 1974

# / m³	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1487	1294	1294	1305	1345	95	1237 - 1453	824	813	995	749	845	105	725 - 965
Cyclops biscupidatus thomasi	845	749	759	759	778	45	727 - 829	380	374	299	230	321	71	240 - 401
Epischura nevadensis	32	43	21	11	27	14	11 - 42	-	-	32	-	8	16	-10 - 26
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	75	32	64	96	67	27	36 - 97	21	32	53	21	32	15	15 - 49
Bosmina longirostris	406	332	246	225	302	83	207 - 397	144	75	171	64	114	52	54 - 173
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	449	353	364	428	399	47	345 - 452	310	193	257	278	260	49	203 - 316
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	289	310	374	406	345	55	283 - 407	219	267	374	107	242	111	116 - 368
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7904	7005	7251	7914	7519	462	6992 - 8045	7610	7754	8118	6481	7491	706	6686 - 8295
OTHER CLASSES	-	11	-	-	3	6	-4 - 9	-	-	-	-	-	-	-

Continued...

TABLE 10(f) KAMLOOPS LAKE ZOOPLANKTON - December, 1974
(Continued)

# / m³	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2225	1979	1690	1940	1959	219	1709 - 2208	1765	1786	2160	2289	2000	265	1699 - 2301
Cylops biscupidatus thomasi	578	364	385	631	490	135	336 - 643	439	578	684	529	558	102	441 - 674
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	32	21	21	24	6	17 - 30	43	32	32	53	40	10	28 - 52
Bosmina longirostris	107	128	182	182	150	38	106 - 193	171	193	278	310	238	67	162 - 314
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	150	107	96	139	123	26	94 - 152	21	139	107	64	83	51	24 - 141
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	32	96	21	96	61	40	15 - 107	75	64	32	43	54	20	31 - 76
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	6845	6717	5775	7209	6637	611	5941 - 7332	6246	7551	6791	7219	6952	564	6309 - 7594
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 10(f) KAMLOOPS LAKE ZOOPLANKTON - December, 1974
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1433	1658	1658	1080	1457	273	1146 - 1768	1947	2428	2214	1861	2113	259	1818 - 2407
Cylops biscupidatus thomasi	439	738	396	513	522	152	348 - 695	655	898	588	588	682	147	515 - 850
Epischura nevadensis	-	-	21	-	5	11	-7 - 17	11	-	-	-	3	6	-4 - 9
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	32	32	21	-	21	15	4 - 38	21	21	32	32	27	6	19 - 34
Bosmina longirostris	32	160	139	139	118	58	52 - 183	203	257	171	193	206	37	164 - 248
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	150	235	332	225	236	75	150 - 321	203	428	310	203	286	107	164 - 408
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	128	118	267	128	160	71	79 - 241	171	449	203	32	214	174	16 - 411
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	6727	9904	9005	7059	8174	1530	6432 - 9916	8471	7754	7283	8332	7960	548	7336 - 8584
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 11(a) KAMLOOPS LAKE WATER QUALITY - January, 1975

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	118	1.1	22	12.2	90.11	.20
B1	1	111	.79	15	11.60	90.23	2.10
	5	107	.75	20	11.60	91.46	2.60
	10	107	1.3	20	11.65	91.86	2.60
	20	106	.72	20	11.30	90.33	3.10
	28	105	1.0	18	11.40	91.84	3.20
B2	1	108	1.0	19	11.70	91.01	2.10
	10	107	.79	20	11.40	90.64	2.90
	27	107	.7	18	11.35	90.94	3.20
	35	105	.7	19	11.20	90.51	3.50
	50	107	.7	19	11.40	92.12	3.50
B3	1	107	.7	20	11.55	90.86	2.50
	10	107	.7	20	11.50	91.65	3.00
	25	105	.6	20	11.30	90.19	3.05
	40	106	.5	17	11.40	91.84	3.40
	60	105	1.0	17	11.50	92.64	3.40
C1	1	109	.7	18	11.70	90.54	1.90
	20	109	.6	18	11.50	90.47	2.50
	40	104	.5	18	11.30	90.82	3.30
	80	104	.5	18	11.75	95.17	3.60
	109	104	.7	17	11.20	90.72	3.60
C2	1	108	.6	19	11.60	90.71	2.30
	15	105	.7	18	11.30	89.85	2.90
	40	102	.5	18	11.35	90.45	3.00
	90	100	.5	17	11.25	90.42	3.30
	127	99	.66	18	11.10	89.21	3.30
C3	1	101	.6	17	11.50	90.47	2.50
	12	102	.6	19	11.40	90.16	2.70
	30	100	.5	18	11.20	89.53	3.10
	60	100	.6	18	11.45	92.02	3.30
	97	102	.6	18	11.50	92.43	3.30

Continued...

TABLE 11(a) KAMLOOPS LAKE WATER QUALITY - January, 1975
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	104	.4	15	11.00	87.20	2.80
	20	105	.5	15	11.40	91.62	3.30
	50	104	.4	15	11.40	92.12	3.50
	90	106	.5	15	11.30	91.31	3.50
	117	107	.8	15	11.20	90.51	3.50
X2	1	107	.5	15	11.45	90.76	2.80
	19	106	.5	15	11.35	90.73	3.10
	40	106	.5	15	11.65	93.85	3.40
	70	105	.5	15	11.45	92.24	3.40
	100	105	.6	15	11.40	92.12	3.50
D2	1	99	.5	18	11.50	91.65	3.00
	12	99	.5	18	11.45	92.53	3.50
	30	99	.5	19	11.35	92.44	3.80
	60	104	.5	18	11.05	89.99	3.80
	88	102	.5	17	11.20	91.21	3.80
E2	1	102	.4	17	11.60	92.44	3.00
	10	102	.5	14	11.55	92.33	3.10
	20	102	.7	14	11.45	91.74	3.20
	30	102	.4	14	11.50	92.43	3.30
	40	102	.5	15	11.30	91.03	3.40
F	0	101	.6	14	11.40	90.37	2.80

TABLE 11(b) KAMLOOPS LAKE WATER QUALITY - January, 1975

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.7	39.9	10.8	3.6	.36
B1	1	7.6	38.0	10.5	2.5	.21
	5	7.6	37.7	9.7	3.1	.17
	10	7.6	37.8	9.9	3.1	.19
	20	7.6	44.8	9.9	3.6	.15
	28	7.6	37.3	10.0	3.0	.15
B2	1	7.5	38.3	10.1	3.3	.18
	10	7.6	38.0	9.9	3.1	.15
	27	7.6	44.3	10.0	3.0	.15
	35	7.5	36.4	9.9	2.9	.29
	50	7.6	37.7	9.9	3.7	.14
B3•	1	7.6	37.4	9.9	4.4	.18
	10	7.5	36.8	10.1	3.5	.14
	25	7.5	37.0	9.9	8.1	.17
	40	7.5	37.2	9.6	3.7	.16
	60	7.4	37.1	9.5	6.0	.15
C1	1	7.6	38.5	10.0	5.3	.18
	20	7.5	35.6	9.9	2.8	.19
	40	7.5	35.7	9.6	2.5	.10
	80	7.6	35.6	9.5	3.0	.10
	109	7.5	36.2	9.5	2.8	.13
C2	1	7.6	37.2	9.9	3.0	.16
	15	7.6	36.8	10.0	4.0	.18
	40	7.5	36.2	10.1	2.6	.12
	90	7.5	36.5	9.9	2.3	.14
	127	7.6	36.0	9.6	4.1	.15
C3	1	7.5	35.1	9.9	2.8	.17
	12	7.6	37.5	9.6	2.7	.18
	30	7.6	36.4	9.7	2.6	.14
	60	7.6	36.8	9.7	2.5	.14
	97	7.5	36.3	9.7	12.5	.17

Continued...

TABLE 11(b) KAMLOOPS LAKE WATER QUALITY - January, 1975
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.6	35.8	9.7	2.3	.095
	20	7.6	36.1	9.6	2.0	.13
	50	7.6	35.9	9.4	2.3	.11
	90	7.6	36.2	9.3	2.4	.11
	117	7.5	36.5	9.8	4.0	.15
X2	1	7.8	38.2	9.7	2.3	.15
	19	7.7	37.5	9.8	2.2	.15
	40	7.7	37.1	9.6	3.0	.16
	70	7.6	36.1	9.8	2.5	.22
	100	7.7	36.0	9.6	2.2	.19
D2	1	7.4	33.7	9.8	2.1	.12
	12	7.6	35.4	9.4	2.5	.093
	30	7.5	35.7	9.6	1.5	.10
	60	7.5	35.6	9.7	1.8	.099
	88	7.6	34.9	9.3	2.9	.11
E2	1	7.6	35.5	9.6	2.2	.24
	10	7.6	35.4	9.3	1.8	-
	20	7.5	35.6	9.8	2.2	-
	30	7.5	35.4	9.4	2.1	.13
	40	7.6	35.5	9.1	2.1	.17
F	0	7.6	34.8	9.4	2.9	.33

TABLE 11(c) KAMLOOPS LAKE WATER QUALITY - January, 1975

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	-	7	-	15.6
B1	1	17	8	9	14.7
	5	13	3	10	14.5
	10	10	5	5	14.9
	20	9	4	5	14.5
	28	10	7	3	14.7
B2	1	12	5	7	14.7
	10	9	5	4	14.5
	27	9	5	4	14.3
	35	8	4	4	13.6
	50	8	4	4	14.2
B3	1	8	5	3	14.4
	10	8	5	3	14.4
	25	8	5	3	14.7
	40	8	5	3	14.6
	60	8	5	3	14.3
C1	1	9	5	4	14.5
	20	10	5	5	14.3
	40	8	5	3	14.0
	80	7	5	2	14.0
	109	7	4	3	12.9
C2	1	10	5	5	14.2
	15	8	6	2	14.7
	40	8	10	(-2)	14.0
	90	8	56	(-48)	14.2
	127	8	4	4	14.2
C3	1	8	4	4	14.7
	12	8	6	2	14.3
	30	9	5	4	14.3
	60	7	5	2	14.1
	97	9	4	5	14.3

Continued...

TABLE 11(c) KAMLOOPS LAKE WATER QUALITY - January, 1975
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	7	5	2	5.3
	20	8	5	3	5.3
	50	10	4	6	5.3
	90	2	5	(-3)	5.3
	117	8	4	4	5.3
X2	1	8	4	4	5.3
	19	7	4	3	5.4
	40	8	4	4	5.3
	70	8	4	4	5.3
	100	6	3	3	5.3
D2	1	7	6	1	5.3
	12	7	4	3	5.3
	30	7	6	1	5.2
	60	8	4	4	5.4
	88	7	7	0	5.2
E2	1	10	5	5	5.2
	10	7	6	1	5.2
	20	7	4	3	5.2
	30	8	4	4	5.2
	40	7	4	3	5.2
F	0	9	4	5	5.2

*Calculated from TP-TDP

TABLE 11(d) KAMLOOPS LAKE WATER QUALITY - January, 1975

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	97	19	51	166	263	96
B1	1	105	14	29	142	247	99
	5	108	13	24	118	226	81
	10	108	10	29	107	215	68
	20	113	13	21	133	246	99
	28	113	12	21	130	243	97
B2	1	108	16	26	136	244	94
	10	111	9	21	112	223	82
	27	109	6	22	121	230	93
	35	113	5	21	133	246	107
	50	109	6	20	95	204	69
B3	1	114	7	26	115	229	82
	10	108	6	20	89	197	63
	25	110	8	25	82	192	49
	40	108	6	21	101	209	74
	60	108	6	20	84	192	58
C1	1	103	10	26	102	205	66
	20	115	11	24	127	242	92
	40	112	8	13	133	245	112
	80	111	7	13	78	189	58
	109	116	7	15	90	206	68
C2	1	122	8	22	96	218	66
	15	112	9	24	101	213	68
	40	112	6	17	112	224	89
	90	113	6	18	66	179	42
	127	113	6	22	56	169	28
C3	1	110	6	24	75	185	45
	12	110	8	27	76	186	41
	30	126	6	17	78	204	55
	60	121	8	18	106	227	80
	97	110	8	21	107	217	78

Continued...

TABLE 11(d) KAMLOOPS LAKE WATER QUALITY - January, 1975
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	130	6	11	100	230	83
	20	111	7	15	106	217	84
	50	111	6	13	80	191	61
	90	110	6	13	83	193	64
	117	113	9	18	101	114	74
X2	1	111	9	19	92	203	64
	19	108	5	19	89	197	65
	40	112	7	17	84	196	60
	70	119	6	20	89	208	63
	100	113	6	18	87	200	63
D2	1	112	8	13	39	151	18
	12	113	9	10	71	184	52
	30	112	7	12	46	158	27
	60	130	6	11	84	214	67
	88	115	7	10	97	212	80
E2	1	127	7	13	80	207	60
	10	110	6	-	87	197	-
	20	110	7	-	82	192	-
	30	111	5	12	79	190	62
	40	110	6	11	104	214	87
F	0	110	9	31	104	214	64

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 11(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - January, 1975

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	.7	1.40
		2	.7	1.60
		4	.7	1.29
		6	.7	1.20
		10	.6	1.05
		15	.6	.90
		20	.6	1.00
C2		0	.2	.98
		2	.4	.95
		4	.2	.98
		6	.4	.99
		10	.4	.91
		15	.4	.95
		20	.2	.76
G2		0	.4	.69
		2	.4	.76
		4	.2	.59
		6	.4	.63
		10	.5	.62
		15	.4	.63
		20	.4	.70
X2		0	.4	1.02
		2	.4	.82
		4	.5	.89
		6	.5	.89
		10	.5	.88
		15	.4	1.09
		20	.4	.92
D2		0	.2	.82
		2	.2	.77
		4	.4	.74
		6	.1	.79
		10	.2	.78
		15	.2	.60
		20	.2	.66
E2		0	.2	.82
		2	.2	.82
		4	.2	.51
		6	.4	.82
		10	.2	.80
		15	.2	.66
		20	.2	.85

*Monthly Maximum Depth = 10 m

TABLE 11(f) KAMLOOPS LAKE ZOOPLANKTON - January, 1975

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1797	2053	1668	1904	1856	163	1670 - 2041	2299	2075	1925	2160	2115	157	1936 - 2293
Cylops biscupidatus thomasi	492	503	492	481	492	9	482 - 502	588	567	642	610	602	32	565 - 638
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	21	11	11	16	6	9 - 23	-	11	-	-	3	6	-4 - 9
Bosmina longirostris	75	118	128	107	107	23	81 - 133	182	171	150	128	158	24	131 - 185
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	353	160	342	460	329	124	187 - 470	503	578	545	449	519	56	455 - 582
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	11	11	6	6	-2 - 13	139	75	53	107	94	38	51 - 136
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	8299	8225	7743	7604	7968	346	7574 - 8362	9604	9027	7893	7743	8567	898	7544 - 9590
OTHER CLASSES	-	11	-	11	6	6	-2 - 13	11	-	-	-	3	6	-4 - 9

Continued...

TABLE 11(f) KAMLOOPS LAKE ZOOPLANKTON - January, 1975
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1679	1733	1219	1711	1586	245	1306 - 1865	1422	1048	1433	1316	1305	179	1101 - 1509
Cylops biscupidatus thomasi	417	289	406	631	436	142	274 - 598	535	278	225	353	3488	135	194 - 502
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	32	11	21	-	16	14	0 - 32	21	-	-	-	5	11	-7 - 17
Bosmina longirostris	299	406	417	439	390	62	319 - 461	160	118	225	107	153	53	92 - 213
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	439	246	353	406	361	84	265 - 457	246	353	289	225	278	57	214 - 343
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	118	21	160	64	91	61	21 - 160	-	4	-	-	5	11	-7 - 17
Asplanchna sp.	-	11	-	-	3	6	-4 - 9	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	7989	8171	8021	7326	7877	376	7449 - 8305	7337	7134	7102	7733	7327	290	6996 - 7657
OTHER CLASSES	-	-	-	21	5	11	-7 - 17	21	-	-	-	5	11	-7 - 17

Continued...

TABLE 11(f) KAMLOOPS LAKE ZOOPLANKTON - January, 1975
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2567	2845	2246	3187	2711	401	2255 - 3167	3294	2802	2824	2973	2973	227	2715 - 3232
Cylops biscupidatus thomasi	1102	1070	749	1134	1014	178	811 - 1217	1198	834	1027	749	952	201	723 - 1181
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	21	-	-	-	5	11	-8 - 17
CLADOCERA														
Daphnia longispina	11	86	21	-	30	39	-14 - 73	-	21	21	43	21	18	1 - 41
Bosmina longirostris	449	428	257	556	423	124	282 - 563	385	235	257	150	257	97	146 - 367
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	1037	706	941	1198	971	206	736 - 1205	1283	1390	642	1283	1150	342	760 - 1539
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	203	364	193	485	311	140	152 - 471	257	150	150	214	193	52	133 - 252
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	13134	13647	11850	14075	13177	964	12078-14275	11979	12214	12043	11636	11968	243	11692-12244
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 12(a) KAMLOOPS LAKE WATER QUALITY - February, 1975

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	134	2.2	30	11.90	88.49	.45
B1	1	106	.7	17	12.05	90.75	.90
	6	105	.5	20	11.80	89.12	1.00
	15	102	.8	17	11.65	89.29	1.55
	25	104	.7	19	12.00	92.72	1.85
	33	103	.6	20	11.60	90.03	2.00
B2	1	105	.5	20	11.90	89.88	1.00
	10	106	.6	18	11.80	89.84	1.30
	25	105	.5	19	11.80	90.84	1.70
	40	103	.6	16	11.70	90.81	2.00
	52	102	.7	18	11.45	89.20	2.15
B3	1	108	.5	19	12.00	90.83	1.10
	10	103	.5	16	11.95	90.98	1.30
	30	104	.5	17	11.90	91.61	1.70
	47	105	.5	20	12.15	94.30	2.00
	54	104	.6	20	11.70	90.91	2.05
C1	1	108	.7	20	11.80	88.10	.60
	15	111	.8	21	11.80	89.45	1.15
	60	112	.6	20	12.15	95.37	2.15
	100	110	.7	19	12.20	96.01	2.55
	110	103	.9	17	11.50	90.50	2.55
C2	1	107	.6	20	12.00	90.83	1.10
	12	105	.5	20	11.95	90.45	1.10
	25	105	.6	17	11.55	88.78	1.65
	90	107	.6	17	11.65	91.37	2.40
	130	103	.6	16	12.00	94.4	2.50
C3	1	104	.5	16	11.90	90.60	1.30
	10	103	.5	19	11.95	91.18	1.40
	30	104	.5	17	11.70	89.80	1.60
	55	104	.5	16	11.90	92.84	2.20
	95	107	.6	17	11.60	91.12	2.45

Continued...

TABLE 12(a) KAMLOOPS LAKE WATER QUALITY - February, 1975
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	108	.4	16	12.05	90.48	.80
	15	105	.5	17	11.90	89.88	1.00
	40	102	.5	16	11.15	85.33	1.50
	90	101	.5	17	11.40	89.78	2.55
	115	102	.4	17	11.00	86.73	2.60
X2	1	107	.6	16	11.20	84.59	1.00
	15	107	.5	17	11.60	87.61	1.00
	40	104	.6	16	11.70	89.54	1.50
	60	104	.47	16	11.50	89.45	2.10
	102	102	1.7	17	11.20	87.71	2.35
D2	1	103	.4	16	11.90	89.23	.75
	10	104	.6	16	11.75	89.46	1.30
	50	104	.7	16	11.60	90.37	2.15
	75	105	.5	16	10.30	80.66	2.35
	89	103	.5	16	10.70	84.18	2.50
E2	1	105	.8	17	11.80	87.53	0.35
	5	105	.6	17	12.10	90.73	.75
	15	105	.9	17	11.80	88.73	.85
	25	102	.5	17	-	-	1.15
	38	102	.7	18	11.60	88.19	1.25
F	0	105	.7	16	12.30	91.83	.60

TABLE 12(b) KAMLOOPS LAKE WATER QUALITY - February, 1975

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.6	44	10.0	2.8	.50
B1	1	7.6	38.2	9.8	1.6	.12
	6	7.6	38.0	10.3	2.0	.14
	15	7.7	37.7	10.3	1.8	.13
	25	7.6	37.2	9.3	1.9	.10
	33	7.6	37.1	10.1	2.0	.15
B2	1	7.5	37.3	10.2	2.1	.15
	10	7.6	37.3	10.1	2.0	.14
	25	7.5	36.2	10.1	2.0	.074
	40	7.5	37.3	9.8	1.8	.11
	52	7.4	35.2	10.3	1.7	.12
B3	1	7.5	38.1	10.7	1.8	.15
	10	7.5	36.6	9.7	2.1	.11
	30	7.4	34.2	9.9	1.5	.11
	47	7.6	37.7	9.8	2.5	.13
	54	7.5	37.2	10.3	1.5	.22
C1	1	7.5	38.7	10.5	2.7	.26
	15	7.6	39.1	10.5	2.7	.21
	60	7.6	30.6	8.3	5.6	.27
	100	7.6	39.2	10.9	4.1	.19
	110	7.7	37.2	10.3	2.1	.13
C2	1	7.6	38.2	10.3	2.6	.14
	12	7.6	37.3	10.1	1.6	.091
	25	7.6	37.2	9.8	2.3	.11
	90	7.6	37.9	9.9	1.9	.14
	130	7.6	37.2	8.6	2.7	.11
C3	1	7.6	37.1	9.3	2.5	.15
	10	7.6	37.0	9.4	2.4	.13
	30	7.7	38.2	9.8	3.1	.21
	55	7.6	37.6	10.3	2.9	.15
	95	7.6	38.2	9.4	3.0	.11

Continued...

TABLE 12(b) KAMLOOPS LAKE WATER QUALITY - February, 1975
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.6	37.1	10.0	4.4	.19
	15	7.6	37.6	10.3	2.4	.23
	40	7.6	37.0	9.6	2.5	.21
	90	7.6	37.1	9.8	1.7	.35
	115	7.5	37.3	9.8	2.2	.15
X2	1	7.7	37.1	10.5	1.7	.14
	15	7.6	37.5	10.3	1.7	.18
	40	7.5	39.0	9.8	2.2	.15
	60	7.6	37.0	9.8	1.6	.18
	102	7.7	36.9	10.3	1.5	.18
D2	1	7.7	37.9	10.5	2.1	.14
	10	7.6	37.9	10.7	2.3	.29
	50	7.6	36.1	10.3	2.5	.19
	75	7.6	36.9	10.1	3.0	.19
	89	7.6	36.2	10.3	3.4	.13
E2	1	7.6	38.0	10.1	5.2	.20
	5	7.6	37.2	10.8	2.7	.21
	15	7.6	37.2	10.5	3.0	.33
	25	7.7	37.2	10.7	1.7	.53
	38	7.4	37.1	10.5	4.0	.32
F	0	7.7	37.7	10.3	3.6	.26

TABLE 12(c) KAMLOOPS LAKE WATER QUALITY - February, 1975

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	30	18	12	6.4
B1	1	10	9	1	5.5
	6	17	9	8	5.6
	15	25	8	17	5.4
	25	11	8	3	5.4
	33	10	8	2	5.5
B2	1	15	6	9	5.5
	10	11	8	3	5.5
	25	9	12	(-3)	5.4
	40	9	7	2	5.4
	52	9	25	(-16)	5.4
B3	1	10	6	4	5.5
	10	9	8	1	5.4
	30	9	8	1	5.4
	47	12	9	3	5.4
	54	8	6	2	5.4
C1	1	13	10	3	5.6
	15	12	11	1	5.7
	60	15	10	5	5.7
	100	12	6	6	5.7
	110	8	7	1	5.4
C2	1	13	10	3	5.5
	12	10	8	2	5.5
	25	9	8	1	5.4
	90	10	8	2	5.5
	130	9	15	(-6)	5.4
C3	1	10	12	(-2)	5.4
	10	15	9	6	5.4
	30	14	7	7	5.5
	55	16	10	6	5.4
	95	13	11	2	5.4

Continued...

TABLE 12(c) KAMLOOPS LAKE WATER QUALITY - February, 1975
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	14	7	7	5.4
	15	10	6	4	5.4
	40	10	4	6	5.4
	90	10	5	5	5.3
	115	13	4	9	5.3
X2	1	10	6	4	5.4
	15	8	6	2	5.4
	40	9	4	5	5.4
	60	9	5	4	5.3
	102	10	7	3	5.4
D2	1	9	5	4	5.4
	10	8	4	4	5.4
	50	9	7	2	5.4
	75	9	11	(-2)	5.4
	89	7	6	1	5.4
E2	1	11	6	5	5.4
	5	15	8	7	5.4
	15	13	6	7	5.4
	25	12	5	7	5.4
	38	9	6	3	5.4
F	0	9	8	1	5.4

*Calculated from TP-TDP

TABLE 12(d) KAMLOOPS LAKE WATER QUALITY - February, 1975

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	103	30	51	175	278	94
B1	1	117	10	16	139	256	113
	6	114	6	11	79	193	62
	15	126	5	16	76	202	55
	25	119	7	11	79	198	61
	33	117	7	21	101	218	73
B2	1	122	19	20	125	247	86
	10	118	6	17	136	254	113
	25	117	10	12	105	222	83
	40	123	9	15	107	230	83
	52	118	15	14	124	242	95
B3	1	122	16	19	130	252	95
	10	113	6	13	86	199	67
	30	113	4	15	83	196	64
	47	115	5	16	97	212	76
	54	117	5	28	92	209	59
C1	1	110	8	41	130	240	81
	15	110	15	29	107	217	63
	60	111	13	28	132	243	91
	100	112	13	25	140	252	102
	110	118	8	16	124	242	100
C2	1	112	7	18	102	214	77
	12	126	11	12	113	239	90
	25	114	8	12	112	226	92
	90	113	6	15	122	225	101
	130	115	5	12	88	203	71
C3	1	148	11	16	105	253	78
	10	113	10	15	88	201	63
	30	129	15	13	100	229	72
	55	114	10	17	92	206	65
	95	118	12	13	97	215	72

Continued...

TABLE 12(d) KAMLOOPS LAKE WATER QUALITY - February, 1975
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	112	6	16	94	206	72
	15	114	9	23	96	210	64
	40	117	21	15	104	221	68
	90	119	7	16	117	236	94
	115	116	5	12	101	217	84
X2	1	116	6	15	104	220	83
	15	112	7	18	97	209	72
	40	13	5	15	91	204	71
	60	114	4	18	101	215	79
	102	115	5	18	98	213	75
D2	1	113	12	16	94	207	66
	10	114	7	23	71	185	41
	50	117	32	15	118	235	71
	75	115	8	16	90	205	66
	89	115	8	12	96	211	76
E2	1	112	8	21	129	241	100
	5	112	10	25	114	226	79
	15	113	7	28	111	224	76
	25	114	6	45	111	225	60
	38	115	9	26	107	222	72
F	0	117	10	35	127	244	82

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 12(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - February, 1975

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	< 0.1	.37
		2	< 0.1	0.00
		4	< 0.1	.47
		6	< 0.1	.43
		10	< 0.1	.50
		15	< 0.1	.94
		20	< 0.1	.58
C2		0	< 0.1	.50
		2	< 0.1	.62
		4	< 0.1	.52
		6	< 0.1	.62
		10	< 0.1	.05
		15	< 0.1	.18
		20	< 0.1	.18
G2		0	< 0.1	-
		2	< 0.1	-
		4	< 0.1	-
		6	< 0.1	-
		10	0.3	-
		15	0.3	-
		20	0.4	-
X2		0	0.2	-
		2	0.2	.48
		4	0.1	.21
		6	< 0.1	.45
		10	< 0.1	.37
		15	0.4	.55
		20	< 0.1	.67
D2		0	< 0.1	.43
		2	< 0.1	.30
		4	< 0.1	.44
		6	< 0.1	.30
		10	< 0.1	.28
		15	< 0.1	.34
		20	< 0.1	.47
E2		0	< 0.1	.58
		2	< 0.1	.59
		4	< 0.1	.23
		6	< 0.1	.46
		10	< 0.1	.32
		15	< 0.1	.42
		20	< 0.1	.19

*Monthly Maximum Depth = 10 m

TABLE 12(f) KAMLOOPS LAKE ZOOPLANKTON - February, 1975

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1252	1937	2140	1381	1678	428	1190 - 2165	1605	1712	1948	1830	1774	148	1605 - 1942
Cylops biscupidatus thomasi	214	567	353	557	423	171	229 - 617	471	449	428	417	441	24	414 - 468
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	-	-	11	-	3	6	-4 - 9	-	-	-	-	-	-	-
Bosmina longirostris	75	203	139	161	145	53	84 - 205	128	193	64	43	107	68	30 - 184
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	321	364	214	150	262	98	151 - 374	257	257	203	268	246	29	213 - 280
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	5683	6528	7631	6732	6644	800	5733 - 7554	5287	5308	5961	5715	5568	328	5194 - 5941
OTHER CLASSES	-	-	-	11	3	6	-4 - 9	11	-	-	-	3	6	-4 - 9

Continued...

TABLE 12(f) KAMLOOPS LAKE ZOOPLANKTON - February, 1975
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	1456	1648	1627	1092	1456	257	1163 - 1749	1049	1134	1049	1263	1124	101	1009 - 1239
Cylops biscupidatus thomasi	953	749	1134	835	918	167	728 - 1108	1113	1006	771	1391	1070	257	777 - 1363
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	-	-	-	5	11	-7 - 17	-	21	-	43	16	21	-7 - 39
Bosmina longirostris	375	86	214	385	265	143	102 - 428	664	899	621	1156	835	246	554 - 1116
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	1209	1456	2140	1884	1672	418	1196 - 2149	1841	1969	2890	2761	2365	537	1754 - 2976
Keratella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Notholoca sp.	128	150	150	150	145	11	132 - 157	-	150	107	150	102	71	21 - 182
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	14223	15711	16589	14384	15227	1127	13944-16510	12265	11880	12051	14325	12630	1141	11331-13929
OTHER CLASSES	-	-	-	-	-	-	-	21	-	-	-	5	11	-7 - 17

Continued...

TABLE 12(f) KAMLOOPS LAKE ZOOPLANKTON - February, 1975
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2183	2269	1777	1873	2026	237	1755 - 2296	1402	2076	1777	1755	1753	276	1438 - 2067
Cylops biscupidatus thomasi	920	771	749	589	757	135	603 - 912	1006	963	706	1070	936	160	754 - 1118
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	-	-	43	-	11	22	-14 - 35	-	-	-	21	5	11	-7 - 17
Bosmina longirostris	214	471	407	471	391	122	252 - 529	268	342	150	578	336	181	129 - 540
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	899	514	642	631	672	162	487 - 856	1252	942	1134	1070	1100	129	952 - 1247
Keratella sp.	-	-	-	-	-	-	-	-	21	-	-	5	11	-7 - 17
Notholoca sp.	107	171	107	32	104	57	40 - 169	161	171	107	150	147	28	115 - 179
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	8904	9782	7235	9247	8792	1099	7540 -10044	9429	9718	9696	10424	9817	426	9332 -10301
OTHER CLASSES	-	21	-	-	5	11	-7 - 17	-	-	-	-	-	-	-

TABLE 13(a) KAMLOOPS LAKE WATER QUALITY - March, 1975

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	159	5.8	45	12.05	93.38	1.95
B1	1	111	1.2	19	12.15	93.74	1.80
	5	110	1.2	19	12.05	92.97	1.80
	20	110	1.2	18	11.80	91.04	1.80
	25	112	1.5	20	11.80	91.04	1.80
	31	112	1.7	20	11.90	91.95	1.85
B2	1	110	3.2	21	11.85	91.70	1.90
	10	110	1.7	20	11.80	91.17	1.85
	30	110	1.2	19	11.90	91.95	1.85
	45	110	1.3	18	11.75	90.79	1.85
	53	110	1.3	17	11.85	91.70	1.90
B3	1	110	1.3	20	12.00	92.86	1.90
	10	110	1.4	21	11.75	90.92	1.90
	25	110	1.3	20	11.90	92.08	1.90
	40	109	1.4	20	11.75	90.92	1.90
	58	109	1.3	17	11.75	91.06	1.95
C1	1	117	2.2	18	12.00	92.38	1.70
	15	116	1.7	20	12.00	92.38	1.70
	40	117	2.2	21	11.90	91.81	1.80
	70	117	2.4	21	11.80	91.31	1.90
	111	117	2.3	22	11.90	92.08	1.90
C2	1	114	1.5	22	12.00	92.58	1.80
	40	113	1.3	20	12.20	94.12	1.80
	70	113	1.3	21	11.65	90.01	1.85
	100	115	1.4	19	11.80	91.58	2.00
	132	111	1.4	20	11.90	92.36	2.00
C3	1	113	1.4	20	12.00	92.86	1.90
	20	112	1.7	21	11.70	90.40	1.85
	45	110	1.4	20	12.10	93.49	1.85
	60	108	1.3	20	11.50	88.99	1.90
	92	108	1.4	20	11.70	90.81	2.00

Continued...

TABLE 13(a) KAMLOOPS LAKE WATER QUALITY - March, 1975
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	114	1.3	17	12.30	94.13	1.50
	30	114	1.3	19	12.20	93.50	1.55
	70	113	1.4	18	11.85	91.22	1.70
	90	110	1.5	19	11.85	91.97	2.00
	119	113	1.3	18	12.00	93.24	2.05
X2	1	116	1.2	19	12.30	93.99	1.45
	15	112	1.1	17	11.55	88.65	1.60
	40	111	1.1	18	11.90	91.34	1.60
	80	109	1.2	19	11.50	88.53	1.70
	102	109	1.3	17	11.90	91.81	1.80
D2	1	109	1.0	21	12.25	93.75	1.50
	10	108	1.0	20	12.10	92.87	1.60
	35	109	1.1	22	12.30	94.41	1.60
	70	106	1.3	20	12.30	94.69	1.70
	90	106	1.2	20	12.00	92.72	1.85
E2	1	106	.9	19	12.40	95.17	1.60
	15	106	1.4	20	12.20	93.64	1.60
	25	109	1.1	18	12.25	94.02	1.60
	37	107	1.0	20	12.25	94.02	1.60
	50	106	1.2	20	12.30	94.55	1.65
F	0	109	1.4	18	12.30	94.79	1.75

TABLE 13(b) KAMLOOPS LAKE WATER QUALITY - March, 1975

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.8	50.4	12.9	3.6	.84
B1	1	7.8	40.6	10.4	1.9	.080
	5	7.7	39.5	10.4	1.9	.109
	20	7.7	40.5	10.4	1.9	.088
	25	7.9	40.5	10.4	1.7	.166
	31	7.7	40.3	10.4	2.2	.107
B2	1	7.7	39.0	10.2	2.6	.104
	10	7.7	39.6	10.0	3.5	.088
	30	7.7	39.8	10.0	2.1	.095
	45	7.7	40.5	10.2	1.7	.072
	53	7.7	39.9	10.2	2.4	.080
B3	1	7.7	39.8	10.0	2.1	.101
	10	7.7	39.9	10.2	1.7	.134
	25	7.7	40.1	10.2	1.7	.031
	40	7.7	39.7	10.0	1.9	.094
	58	7.7	39.9	10.0	1.7	.095
C1	1	7.7	42.0	10.2	2.1	.14
	15	7.7	41.2	10.2	2.6	.18
	40	7.8	41.3	10.5	2.5	.19
	70	7.7	41.0	10.7	1.9	.17
	111	7.7	41.2	10.2	2.4	.19
C2	1	7.7	40.3	10.2	2.4	.14
	40	7.8	40.3	10.2	2.8	.12
	70	7.6	40.4	10.0	2.1	.10
	100	7.7	40.8	9.7	3.3	.15
	132	7.7	40.4	10.0	2.3	.13
C3	1	7.7	40.5	11.3	14.6	.11
	20	7.6	40.6	11.3	9.8	.27
	45	7.7	39.6	11.3	5.2	.15
	60	7.7	40.6	11.3	5.8	.17
	92	7.6	38.5	11.3	2.6	.10

Continued...

TABLE 13(b) KAMLOOPS LAKE WATER QUALITY - March, 1975
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.7	40.8	10.4	4.7	.14
	30	7.7	41.1	10.2	4.0	.17
	70	7.6	40.6	10.4	2.8	.27
	90	7.7	40.0	10.4	2.6	.12
	119	7.7	39.4	10.4	2.8	.14
X2	1	7.6	37.1	9.5	3.0	.11
	15	7.7	40.5	10.2	2.8	.20
	40	7.7	40.3	10.2	2.6	.097
	80	7.7	39.7	9.7	2.8	.10
	102	7.7	39.7	9.7	2.6	.15
D2	1	7.7	39.8	12.8	2.5	.11
	10	7.7	39.5	10.4	2.8	.13
	35	7.6	38.4	11.1	6.1	.18
	70	7.7	39.6	9.9	8.4	.10
	90	7.7	39.3	10.2	7.4	.10
E2	1	7.7	39.2	9.9	10.7	.23
	15	7.7	39.9	9.9	7.9	.18
	25	7.5	36.2	10.2	3.5	.26
	37	7.6	38.2	9.2	4.2	.16
	50	7.7	39.6	9.9	4.5	.11
F	0	7.6	37.9	9.2	3.8	.21

TABLE 13(c) KAMLOOPS LAKE WATER QUALITY - March, 1975

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	41	17	24	6.3
B1	1	8	6	2	5.5
	5	10	8	2	5.4
	20	11	7	4	5.5
	25	11	7	4	5.5
	31	12	7	5	5.5
B2	1	9	8	1	5.6
	10	12	7	5	5.5
	30	10	9	1	5.5
	45	8	6	2	5.5
	53	13	8	5	5.4
B3	1	11	8	3	5.5
	10	9	9	0	5.5
	25	12	8	4	5.5
	40	10	6	4	5.5
	58	8	6	2	5.4
C1	1	12	13	(-1)	5.5
	15	13	7	6	5.5
	40	13	9	4	5.5
	70	12	8	4	5.5
	111	13	9	4	5.6
C2	1	10	13	(-3)	5.5
	40	12	5	7	5.5
	70	13	9	4	5.5
	100	15	9	6	5.5
	132	9	11	(-2)	5.5
C3	1	11	7	4	5.5
	20	11	10	1	5.5
	45	13	6	7	5.5
	60	9	8	1	5.4
	92	12	9	3	5.4

Continued...

TABLE 13(c) KAMLOOPS LAKE WATER QUALITY - March, 1975
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	10	6	4	5.5
	30	19	6	3	5.5
	70	10	6	4	5.5
	90	9	6	3	5.4
	119	12	8	4	5.4
X2	1	18	7	1	5.4
	15	11	7	4	5.4
	40	14	9	5	5.4
	80	12	12	0	5.4
	102	14	47	(-33)	5.35
D2	1	13	6	7	5.4
	10	12	6	6	5.4
	35	9	5	4	5.4
	70	11	6	5	5.4
	90	10	6	4	5.4
E2	1	13	15	(-2)	5.3
	15	17	6	1	5.3
	25	9	6	3	5.3
	37	8	6	2	5.3
	50	10	21	(-11)	5.3
F	0	10	9	1	5.3

*Calculated from TP-TDP

TABLE 13(d) KAMLOOPS LAKE WATER QUALITY - March, 1975

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	98	41	110	329	427	178
B1	1	122	11	7	137	259	119
	5	122	6	12	130	252	112
	20	155	7	12	131	286	112
	25	123	9	12	111	223	90
	31	124	45	12	143	267	86
B2	1	123	10	15	154	277	129
	10	124	9	10	115	239	96
	30	123	10	10	122	245	102
	45	131	8	9	94	225	77
	53	134	10	9	132	266	113
B3	1	124	15	12	171	295	144
	10	132	11	15	157	289	131
	25	125	7	2	131	256	122
	40	124	6	11	127	251	110
	58	121	6	10	136	257	120
C1	1	118	8	18	128	246	102
	15	119	17	19	132	251	96
	40	116	7	25	138	254	106
	70	116	6	21	136	157	109
	111	116	8	24	135	251	103
C2	1	119	9	15	144	263	120
	40	120	9	13	152	272	130
	70	119	8	12	138	257	118
	100	119	7	20	150	269	123
	132	118	7	16	116	234	93
C3	1	118	14	14	158	276	130
	20	130	9	31	134	264	94
	45	121	9	15	128	249	104
	60	147	18	22	134	281	94
	92	124	7	10	129	253	112

Continued...

TABLE 13(d) KAMLOOPS LAKE WATER QUALITY - March, 1975
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	117	8	18	143	260	117
	30	168	14	20	129	297	95
	70	118	6	30	124	242	88
	90	128	8	16	142	270	118
	119	117	11	16	131	248	104
X2	1	119	9	12	130	249	109
	15	119	10	22	120	239	88
	40	118	7	11	130	248	112
	80	120	9	12	136	256	115
	102	119	6	15	123	242	102
D2	1	119	7	10	121	240	104
	10	119	8	13	139	258	118
	35	136	8	18	134	270	108
	70	124	7	9	171	295	155
	90	120	7	7	164	284	150
E2	1	118	9	8	99	217	82
	15	119	7	11	110	229	92
	25	126	7	23	88	214	58
	37	120	12	16	90	210	62
	50	118	6	11	76	194	59
F	0	118	7	20	102	220	75

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 13(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - March, 1975

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	0.6	.60
		2	0.6	.52
		4	.5	.68
		6	1.1	.67
		10	.5	.64
		15	.5	.50
		20	.3	.67
C2		0	.6	.64
		2	.2	.89
		4	.9	.84
		6	.6	.95
		10	.2	.88
		15	.3	.69
		20	.2	.91
G2		0	.4	.65
		2	.4	.65
		4	.4	.62
		6	.5	.67
		10	.4	.64
		15	.4	.62
		20	.3	.70
X2		0	.1	.27
		2	.4	.35
		4	.1	.47
		6	.2	.34
		10	.4	.39
		15	.8	.53
		20	.6	.42
D2		0	.2	.14
		2	.4	.83
		4	.4	.51
		6	.4	.34
		10	.5	.36
		15	.8	.51
		20	.8	.48
E2		0	.9	.41
		2	.4	.53
		4	.5	.53
		6	.5	.56
		10	2.7	.42
		15	.8	.58
		20	.5	.46

*Monthly Maximum Depth = 10 m

TABLE 13(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1975

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2376	2194	2301	2215	2272	84	2176 - 2367	2023	2119	1991	2001	2034	59	1967 - 2100
Cylops biscupidatus thomasi	268	375	332	332	327	44	277 - 377	771	781	858	738	787	51	729 - 845
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	-	11	21	-	8	10	-4 - 20	-	11	-	32	11	15	-6 - 28
Bosmina longirostris	128	107	193	150	145	37	103 - 186	118	171	171	182	161	28	128 - 193
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	182	225	161	118	172	45	121 - 222	664	728	813	696	725	64	652 - 798
Keratella sp.	-	-	-	-	-	-	-	-	-	11	-	3	6	-4 - 9
Notholoca sp.	-	-	-	43	11	22	-14 - 35	96	54	128	161	110	46	58 - 162
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	5137	6197	4656	5362	5338	644	4605 - 6071	9739	9696	9910	10553	9975	397	9523 -10426
OTHER CLASSES	-	11	-	-	3	6	-4 - 9	-	-	-	-	-	-	-

Continued...

TABLE 13(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1975
(Continued)

# / m^3	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2825	2162	2611	2355	2488	290	2158 - 2819	1926	1777	1905	1819	1857	70	1776 - 1937
Cylops biscupidatus thomasi	1070	1241	113	1070	1124	81	1031 - 1216	749	706	685	706	712	27	681 - 742
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	11	21	-	-	8	10	-4 - 20	-	-	64	-	16	32	-20 - 52
Bosmina longirostris	225	364	86	471	287	167	96 - 477	300	257	535	621	428	177	226 - 630
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	1231	1306	2012	1370	1480	359	1071 - 1889	920	856	1134	942	963	120	827 - 1099
Keratella sp.	-	21	-	-	6	11	-7 - 17	-	-	-	-	-	-	-
Notholoca sp.	-	-	321	342	166	192	-52 - 384	235	193	171	86	171	63	100 - 243
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	11826	16896	12800	12800	13581	2258	11010-16151	11580	12415	11387	11815	11799	446	11291-12307
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued...

TABLE 13(f) KAMLOOPS LAKE ZOOPLANKTON - March, 1975
(Continued)

# / m^3	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	2033	2654	1777	2333	2199	379	1768 - 2631	2847	1798	2183	2783	2403	502	1831 - 2974
Cylops biscupidatus thomasi	706	753	1134	706	825	207	589 - 1061	1263	963	942	899	1017	166	827 - 1206
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	-	-	-	5	11	-7 - 17	-	-	-	21	5	11	-7 - 17
Bosmina longirostris	107	171	193	128	50	39	105 - 194	449	342	278	235	326	93	220 - 432
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	642	920	963	728	813	153	639 - 988	878	792	1241	1220	1033	231	769 - 1296
Keratella sp.	-	-	-	-	-	-	-	-	-	21	-	5	11	-7 - 17
Notholoca sp.	107	150	64	86	102	37	60 - 143	128	86	107	86	102	20	79 - 125
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	10981	10831	10424	10467	10676	273	10364-10987	14512	13613	14555	14534	14304	461	13779-14828
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14(a) KAMLOOPS LAKE WATER QUALITY - April, 1975

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	113	3.7	23	11.30	100.44	7.20
B1	1	114	1.3	18	11.95	95.02	2.90
	8	115	1.2	18	12.00	95.27	2.85
	15	114	1.5	20	11.90	95.86	3.40
	23	114	1.2	18	12.00	96.67	3.40
	30	113	1.9	20	11.80	95.69	3.65
B2	1	113	1.1	18	12.05	95.81	2.90
	20	113	1.3	17	11.95	94.73	2.80
	40	113	1.3	17	12.10	96.06	2.85
	45	113	1.4	18	12.10	96.95	3.20
	57	112	1.1	17	11.90	96.39	3.60
B3	1	114	1.0	16	12.10	95.91	2.80
	25	115	1.1	17	12.00	95.12	2.80
	52	114	1.2	18	12.10	95.91	2.80
	57	113	1.5	19	12.00	95.41	2.90
	62	113	1.0	17	12.20	97.11	2.95
C1	1	115	1.0	18	12.00	95.41	2.90
	40	114	1.3	17	12.00	95.52	2.95
	55	114	1.1	19	11.90	95.24	3.15
	100	113	1.2	17	11.45	92.13	3.35
	125	115	1.5	18	12.05	98.37	3.90
C2	1	114	1.1	18	12.00	95.41	2.90
	50	116	1.1	17	12.00	95.52	2.95
	80	114	1.1	17	12.10	96.58	3.05
	105	113	1.6	18	11.90	93.35	3.20
	131	113	1.2	17	12.00	97.20	3.60
C3	1	115	1.0	17	11.10	88.26	2.90
	30	115	1.1	17	12.00	95.12	2.80
	58	114	1.0	17	11.95	94.73	2.80
	65	115	1.1	17	12.10	96.21	2.90
	92	116	1.3	18	11.75	94.55	3.35

Continued...

TABLE 14(a) KAMLOOPS LAKE WATER QUALITY - April, 1975
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	APPARENT COLOUR UNITS	DISSOLVED OXYGEN (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	1	114	7.4	17	11.90	94.62	2.90
	50	115	7.6	17	12.00	95.41	2.90
	70	117	7.6	18	12.00	95.93	3.10
	100	118	7.5	18	11.85	95.35	3.35
	122	118	7.4	18	11.80	95.35	3.50
X2	1	114	1.2	17	11.80	93.68	2.85
	40	119	1.7	17	10.95	86.80	2.80
	80	114	1.3	18	10.75	85.21	2.80
	95	116	-	-	12.10	96.21	2.90
	105	117	1.7	19	11.45	92.24	3.40
D2	1	114	1.1	17	12.00	95.12	2.80
	30	113	1.2	17	12.00	95.12	2.80
	75	113	1.3	18	11.40	90.37	2.80
	85	113	1.1	17	11.35	90.59	3.05
	92	117	1.5	18	11.90	95.24	3.15
E2	1	112	1.4	17	12.20	97.23	3.00
	10	112	1.2	17	12.20	97.23	3.00
	25	112	1.2	18	12.20	97.38	3.05
	40	112	1.2	17	12.10	96.58	3.05
	52	112	1.3	18	12.20	97.52	3.10
F	0	112	1.5	18	10.75	86.40	3.30

TABLE 14(b) KAMLOOPS LAKE WATER QUALITY - April, 1975

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.7	45.3	11.0	2.4	.40
B1	1	7.4	41.0	10.2	4.6	.16
	8	7.4	40.6	10.2	2.3	.16
	15	7.4	41.5	10.4	1.3	.19
	23	7.5	41.7	10.2	5.1	.14
	30	7.5	43.0	10.4	2.1	.21
B2	1	7.5	41.0	9.8	2.9	.16
	20	7.4	41.2	9.8	1.5	.19
	40	7.4	41.7	10.2	1.6	.19
	45	7.5	41.3	9.8	1.3	.16
	57	7.4	41.5	9.6	1.7	.13
B3	1	7.4	41.0	9.0	1.8	.14
	25	7.4	41.3	9.6	1.7	.095
	52	7.4	40.8	9.6	2.4	.079
	57	7.4	41.5	9.2	2.1	.15
	62	7.5	40.8	9.4	2.1	.14
C1	1	7.5	39.3	9.8	1.7	.17
	40	7.5	41.4	9.8	2.0	.15
	55	7.5	41.1	10.0	1.8	.12
	100	7.6	41.2	9.8	1.5	.12
	125	7.6	42.0	10.8	2.8	.14
C2	1	7.5	41.4	10.2	0.9	.098
	50	7.5	41.0	9.9	2.6	.12
	80	7.6	41.2	9.7	2.7	.11
	105	7.6	41.5	9.6	3.0	.13
	131	7.5	41.5	10.2	2.2	.098
C3	1	7.5	41.5	9.6	3.5	.091
	30	7.6	41.6	9.4	4.0	.12
	58	7.4	41.3	9.8	2.3	.098
	65	7.4	40.8	9.4	3.0	.098
	92	7.5	41.9	9.4	3.1	.15

Continued...

TABLE 14(b) KAMLOOPS LAKE WATER QUALITY - April, 1975
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	1	7.4	41.3	9.4	3.6	.10
	50	7.6	42.0	9.6	3.0	.13
	70	7.6	41.4	10.0	2.8	.16
	100	7.5	42.0	10.2	2.7	.17
	122	7.4	41.9	10.0	3.0	.19
X2	1	7.5	41.4	9.8	2.5	.10
	40	7.2	40.4	10.0	2.4	.15
	80	7.5	41.9	9.8	3.0	.13
	95	-	41.7	10.2	0.4	.18
	105	7.5	42.2	10.0	2.6	.10
D2	1	7.5	41.3	9.6	2.8	.16
	30	7.5	41.3	9.4	3.5	.17
	75	7.5	41.6	9.6	3.2	.14
	85	7.6	41.2	9.6	2.8	.11
	92	7.5	42.0	9.6	2.6	.24
E2	1	7.5	41.3	9.6	3.2	.15
	10	7.5	40.5	9.6	2.8	.31
	25	7.5	40.5	9.6	3.0	.19
	40	7.5	40.5	9.4	2.7	.44
	52	7.5	41.2	9.6	2.8	.22
F	0	7.5	40.8	9.6	3.1	.27

TABLE 14(c) KAMLOOPS LAKE WATER QUALITY - April, 1975

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	20	15	5	6.2
B1	1	9	7	2	5.3
	8	11	4	7	5.3
	15	11	7	4	5.4
	23	12	7	5	5.4
	30	13	3	10	5.5
B2	1	13	7	6	5.4
	20	11	5	6	5.3
	40	8	6	2	5.3
	45	16	4	12	5.3
	57	8	4	4	5.3
B3	1	13	5	8	5.3
	25	11	5	6	5.3
	52	12	5	7	5.4
	57	9	5	4	5.4
	62	9	5	4	5.3
C1	1	7	5	2	5.3
	40	11	6	5	5.3
	55	11	4	7	5.4
	100	9	3	6	5.4
	125	8	5	3	5.4
C2	1	11	7	4	5.3
	50	8	4	4	5.3
	80	7	5	2	5.3
	105	8	4	4	5.4
	131	9	4	5	5.4
C3	1	7	6	1	5.4
	30	7	4	3	5.3
	58	6	4	2	5.3
	65	15	4	11	5.4
	92	9	4	5	5.4

Continued...

TABLE 14(c) KAMLOOPS LAKE WATER QUALITY - April, 1975
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	1	8	4	4	5.3
	50	8	4	4	5.3
	70	10	3	7	5.4
	100	9	4	5	5.4
	122	11	3	8	5.4
X2	1	7	3	4	5.3
	40	7	3	4	5.3
	80	7	3	4	5.3
	95	9	8	1	5.3
	105	10	5	5	5.4
D2	1	8	5	3	5.3
	30	8	5	3	5.3
	75	12	5	7	5.3
	85	7	5	2	5.3
	92	8	3	5	5.3
E2	1	11	7	4	5.2
	10	9	7	2	5.2
	25	11	7	4	5.2
	40	9	5	4	5.2
	52	8	5	3	5.2
F	0	7	4	3	5.2

*Calculated from TP-TDP

TABLE 14(d) KAMLOOPS LAKE WATER QUALITY - April, 1975

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	99	12	48	203	302	143
B1	1	121	6	17	163	284	140
	8	124	5	15	116	240	96
	15	118	5	19	-	-	-
	23	112	4	15	128	240	109
	30	117	4	20	106	223	82
B2	1	120	10	18	106	226	78
	20	145	7	15	128	273	106
	40	128	9	26	115	243	80
	45	119	17	16	154	273	121
	57	120	6	9	127	247	112
B3	1	119	6	14	105	224	85
	25	120	6	9	114	234	99
	52	122	6	10	109	231	93
	57	121	10	17	133	254	106
	62	120	7	15	115	235	93
C1	1	119	7	17	95	214	71
	40	130	8	16	154	284	130
	55	116	4	14	97	213	79
	100	125	8	14	96	221	74
	125	122	7	16	92	214	69
C2	1	124	9	12	118	242	97
	50	122	16	16	139	261	107
	80	118	5	10	122	240	107
	105	119	8	12	173	292	153
	131	118	4	10	135	253	121
C3	1	126	6	10	121	247	105
	30	121	6	13	116	237	97
	58	120	6	13	128	248	109
	65	119	5	13	126	245	108
	92	116	3	19	133	249	111

Continued...

TABLE 14(d) KAMLOOPS LAKE WATER QUALITY - April, 1975
(Continued)

STATION	DEPTH (m)	NITRATE PLUS NITRITE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	1	117	6	14	124	241	104
	50	118	6	15	126	244	105
	70	112	7	20	137	249	110
	100	112	7	22	132	244	103
	122	114	7	24	128	242	97
X2	1	119	12	12	121	240	97
	40	112	30	16	149	261	103
	80	123	9	17	118	241	92
	95	121	9	23	129	250	97
	105	116	10	16	132	248	106
D2	1	128	8	15	129	257	106
	30	121	5	18	115	236	92
	75	120	7	14	128	248	107
	85	121	5	12	98	219	81
	92	117	6	23	98	215	69
E2	1	120	5	16	141	261	120
	10	121	3	18	146	267	125
	25	121	6	16	118	239	96
	40	121	6	27	109	230	75
	52	132	11	22	130	262	97
F	0	120	10	24	126	246	92

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

TABLE 14(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - April, 1975

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2		0	0.4	0.25
		2	0.7	0.35
		4	0.5	0.37
		6	0.5	0.26
		10	0.4	0.39
		15	0.5	0.25
		20	0.5	0.22
C2		0	0.4	0.14
		2	0.6	0.21
		4	0.4	0.28
		6	0.6	0.00
		10	0.4	0.30
		15	0.5	0.34
		20	0.6	0.31
G2		0	0.4	0.23
		2	0.6	0.26
		4	0.5	0.24
		6	0.4	0.32
		10	0.5	0.41
		15	0.5	0.29
		20	0.5	0.28
X2		0	0.5	0.21
		2	0.4	0.24
		4	0.5	0.25
		6	0.7	0.70
		10	0.6	0.33
		15	0.5	0.36
		20	0.5	0.23
D2		0	0.4	0.30
		2	0.5	0.20
		4	0.5	0.27
		6	0.2	0.14
		10	0.4	0.07
		15	0.5	0.15
		20	0.6	0.12
E2		0	0.5	0.04
		2	0.6	0.34
		4	0.7	0.35
		6	0.5	0.15
		10	1.1	0.32
		15	0.7	0.25
		20	0.7	0.30

*Monthly Maximum Depth = 6 m

TABLE 14(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1975

# / m^3	STATION B2							STATION C2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	4302	3682	4110	3853	3987	274	3675 - 4299	3853	2890	3767	3104	3404	479	2858 - 3949
Cylops biscupidatus thomasi	3446	3703	3917	4088	3789	277	3473 - 4104	6507	4217	4474	4174	4843	1117	3571 - 6115
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	-	43	-	43	22	25	-7 - 50	43	107	21	43	54	37	11 - 96
Bosmina longirostris	514	385	214	235	337	140	177 - 497	835	321	578	257	498	264	197 - 799
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	792	1862	1472	2205	1583	606	892 - 2273	2890	1905	1991	1819	2151	497	1585 - 2718
Keratella sp.	-	-	-	-	-	-	-	-	21	-	-	5	11	-7 - 17
Notholoca sp.	107	235	193	300	209	81	117 - 301	492	150	214	128	246	168	55 - 437
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	17338	17381	15518	18815	17263	1351	15725-18801	20527	16803	17509	15968	17702	1986	15440-19963
OTHER CLASSES	-	-	1	-	0.3	0.5	-0.3 - .8	11	-	21	21	13	10	2 - 25

Continued...

TABLE 14(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1975
(Continued)

# / m³	STATION D2							STATION E2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	3532	4088	3510	3125	3564	396	3112 - 4015	3296	3361	3403	3510	3393	90	3290 - 3495
Cylops biscupidatus thomasi	1348	1541	1391	1048	1332	207	1097 - 1567	1241	1327	1670	1477	1429	188	1215 - 1643
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	64	86	-	43	39	-2 - 87	21	21	21	43	27	11	14 - 39
Bosmina longirostris	107	-	43	21	43	46	-10 - 95	107	107	64	64	86	25	57 - 114
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	578	642	899	856	744	158	564 - 923	300	557	578	514	487	128	342 - 633
Keratella sp.	-	86	43	43	43	35	3 - 83	-	-	43	-	11	22	-14 - 35
Notholoca sp.	150	128	193	86	139	45	88 - 190	64	171	193	43	118	75	32 - 203
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	8690	8391	8134	6400	7904	1028	6733 - 9074	7385	8284	9183	9268	8530	884	7524 - 9536
OTHER CLASSES	2	-	-	-	0.5	1	-1 - 2	-	-	-	-	-	-	-

Continued...

TABLE 14(f) KAMLOOPS LAKE ZOOPLANKTON - April, 1975
(Continued)

# / m³	STATION G2							STATION X2						
	1	2	3	4	$\bar{x}$	SD	95% limits	1	2	3	4	$\bar{x}$	SD	95% limits
COPEPODA														
Diaptomus ashlandi	3510	2504	3425	3575	3254	503	2680 - 3827	2911	3082	2504	2611	2777	267	2474 - 3080
Cylops biscupidatus thomasi	2012	1648	1991	1884	1884	167	1694 - 2074	1113	1049	1092	1541	1199	230	937 - 1460
Epischura nevadensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLADOCERA														
Daphnia longispina	21	43	21	-	21	18	1 - 41	-	-	-	-			
Bosmina longirostris	86	107	86	235	129	72	47 - 210	171	43	150	107	118	57	53 - 182
Leptodora kindtii	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heolopedium gibberum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROTIFERA														
Kellicottia longispina	985	1348	1584	1134	1263	261	966 - 1560	1413	856	1306	1049	1156	252	869 - 1443
Keratella sp.	21	-	-	-	5	11	-7 - 17	21	-	-	-	5	11	-7 - 17
Notholoca sp.	64	321	235	107	167	140	8 - 326	193	150	128	64	134	54	73 - 195
Asplanchna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAUPLIUS	11109	11430	11088	11323	11238	167	11238-11427	9504	8797	7556	8605	8616	805	7699 - 9532
OTHER CLASSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX 1

ANALYTICAL METHODS - NAQUADAT

APPENDIX I ANALYTICAL METHODS - NAQUADAT

NAQUADAT CODE #	PARAMETER (+ units)	METHODS
02073	Turbidity (JTU)	Photometry on a Hach turbidimeter. A light beam is passed through the shaken sample. The light scattered at 90° to the beam axis is measured by photoelectric cells. The instrument is calibrated with standard Hydrazine sulfate (N_2H_4 H_2SO_4) - hexamethylenetetramine solutions, and standardized with a polyacrylic plastic rod containing special turbidity material. The detection limit is 0 Jackson Turbidity Units.
02011	Colour, Apparent (relative units)	Visual comparison. An aliquot of the shaken sample in a Nessler tube is compared with standard colour solutions, which are either Hellige Aqua Tester colour solutions or standard solutions of chloroplatinate and Co ions.
10301	pH (pH units)	Electrometric method. The pH of the sample is measured using a pH meter which has been calibrated with standard buffer solutions. Glass and calomel (Hg_2Cl_2) electrodes are used. Interferences: high Na ion concentrations when pH > 10.
07005	Nitrogen, Total Kjeldahl (N) (mg/l)	Kjeldahl Method. The shaken sample is digested with concentrated H_2SO_4, in the presence of $HgSO_4$ and K_2SO_4 to give NH_4HSO_4. The solution is then made alkaline, the NH_3 distilled, and collected in H_3BO_3 solution. NH_3 is determined by the manual indophenol blue method. Detection limit is 5 ug/l.
07110	Nitrogen, Dissolved NO_3 & NO_2 (N) (mg/l)	Colourimetry on an autoanalyzer. If turbid, the sample is passed thru a 0.45 u membrane filter. An aliquot of the sample is mixed with an NH_4Cl-NH_4OH buffer solution (pH=8.5) and passed thru a column of Cu-Cd filings. A solution of sulphanilamide, N-1 -napthylethylenediamine dihydrochloride & H_3PO_4 is then added to the sample to form an azo dye. The intensity of the dye is measured spectrophotometrically @ 550 mu, and compared with standard solutions of NO_3 and NO_2 ions. The detection limit is 2 ug/l.

Continued...

APPENDIX I ANALYTICAL METHODS - NAQUADAT
(Continued)

NAQUADAT CODE #	PARAMETER (+ units)	METHODS
07557	Nitrogen: Dissolved Ammonia (mg/l)	Indophenol blue method. Automated on an autoanalyzer. Detection limit: 2 ug/l.
15102	Phosphorus: Total Dissolved	Detertermination done on a field filtered sample (0.45 u filter) using the automated Murphy-Riley Method described under code #15406 for total P. (mg/l) Detection limit: 2 ug/l.
02041	Specific Conductance (usie/cm)	Measured by a conductivity meter with platinum electrodes, and then corrected to 25°C. Detection limit: 0.2 usie/cm. NOTE: This parameter was formally measured in umho/cm. Metric unit now used is microsiemens per cm (usie/cm): 1 umho/cm = 1 usie/cm.
10101	Total Alkalinity $CaCO_3$ (mg/l)	Potentiometric titration. If turbid, the sample is allowed to settle. An aliquot of the sample is then titrated with standard H_2SO_4 or HCl, to pH=4.5 then to pH=4.2. The total alkalinity is found for both titration volumes. An automatic titration system and a pH meter are used. Detection limit: 0.5 mg/l.
15406	Total Phosphorus (mg/l)	Colourimetry on an autoanalyzer with ammonium molybdate, ascorbic acid, and potassium antimonyl tartrate. $K_2S_2O_8$ and H_2SO_4 solutions are added to a sample which is then autoclaved 30 minutes @121°C. If turbid, the treated aliquot is passed thru a 0.45 membrane filter. A filtrate aliquot is then mixed with a reagent solution containing H_2SO_4, (NH_4) Mo_7O_{24}, potassium antimonyl tartrate, and ascorbic acid. The resulting colour is measured spectrophotometrically at 880 mu, and compared to those of identically prepared standard PO_4 ion solutions. Interference: high Fe concentrations. The detection limit = 2 ug/l.

Continued...

APPENDIX I ANALYTICAL METHODS - NAQUADAT
(Continued)

NAQUADAT CODE #	PARAMETER (+ units)	METHODS
14105	Reactive Silica SiO_2 (mg/l)	Colourimetry using heterpoly blue method on an autoanalyzer. If turbid, the sample is passed thru a 0.45 u membrane filter. If the sample is seawater, all a standard SiO_2 solutions are prepared with synthetic seawater. A filtrate aliquot is mixed with a solution of $(NH_4)_6Mo_7O_{24}$ in diluted H_2SO_4. The sample is then successively mixed with oxalic and ascorbic acid solutions. The resulting heteropoly blue colour is measured spectrophotometrically @ 660 mu, and compared with those of identically prepared standard SiO_2 solutions. Detection limit: 0.2 mg/l.
08101	Dissolved Oxygen (mg/l)	Winkler method (azide modification).
06051	Total Inorganic Carbon (mg/l)	Infrared analysis. A small volume of the blended samples is injected into a combustion tube at 150°C containing 85% H_3PO_4 on quartz chips. The resulting CO_2 is measured by an IR analyzer and compared with standard inorganic carbon solutions.
06001	Total Organic Carbon (mg/l)	Infrared analysis, dual channel method. A small volume of the blended sample is injected into a combusion tube at 950°C containing pumice stone impregnated with cobalt ozide. The resulting CO_2 is measured by an IR analyzer and compared with standard organic carbon solutions. To give total carbon an identical volume is injected into a combustion tube at 150°C containing 85% H_3PO_4 or quartz chips. The resulting CO_2 is measured by an IR analyzer and compared with standard inorganic carbon solutions to give the total inorganic carbon. The total organic carbon is found by difference.

Continued...

NAQUADAT CODE #	PARAMETER (+ units)	METHODS
06903	Particulate Carbon (mg/l)	A Hewlett-Packard 185 CHN Analyzer is used. Sample is filtered through a preignited (450°C) Whatman GF/F filter. The residue is not wased with dilute H_2SO_4 to remove CO_2 ions.
07903	Particulate Nitrogen (mg/l)	A Hewlett-Packard 185 CHN Analyzer is used. A sample is passed through a preignited whatman GF/F filter. The residue is dried and combusted at 950°C. The resulting N_2 is measured by thermal conductivity and compared with a blank and a standard.

APPENDIX 2

KAMLOOPS LAKE WATER QUALITY
- APRIL 1976

APPENDIX 2(a) KAMLOOPS LAKE WATER QUALITY - April, 1976

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	COLOUR* UNITS	DISSOLVED OXYGEN** (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	118	-	25	11.6	105.6	8
B1	1	111	-	18	11.4	101.2	7.0
	5	-	-	-	11.4	100.5	6.7
	15	114	-	16	11.8	110.2	5.2
	25	113	-	14	11.7	96.8	4.2
	40	111	-	15	11.8	97.3	4.1
B2	1	108	-	15	11.3	100.3	7.0
	5	109	-	14	11.4	100.7	6.8
	10	110	-	15	11.5	97.2	5.0
	30	13	-	10	11.7	95.0	3.5
	52	110	-	14	11.7	95.0	3.5
B3	1	107	-	14	11.2	99.0	7.0
	5	109	-	15	11.4	101.0	6.9
	10	111	-	16	11.2	94.7	5.0
	25	112	-	14	11.7	96.0	3.9
	52	112	-	13	11.7	95.0	3.5
C1	1	114	-	19	11.4	103.3	7.8
	5	114	-	17	11.4	102.5	7.5
	15	113	-	16	11.5	99.1	5.8
	30	113	-	15	11.6	98.5	5.2
	90	112	-	14	11.8	99.4	4.9
C2	1	115	-	14	11.3	102.4	7.8
	5	112	-	14	11.4	99.7	6.4
	10	113	-	15	11.5	98.4	5.5
	30	112	-	13	11.7	97.5	4.8
	120	113	-	13	11.7	97.5	4.5
C3	1	111	-	11	11.6	106.5	8.3
	5	111	-	14	11.5	101.6	6.8
	8	112	-	15	11.7	102.8	6.6
	25	113	-	10	11.6	101.2	6.3
	90	111	-	12	11.8	102.7	6.2

Continued...

APPENDIX 2(a) KAMLOOPS LAKE WATER QUALITY - April, 1976
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	COLOUR* UNITS	DISSOLVED OXYGEN** (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
X2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
D2	1	115	-	16	11.9	99.2	4.5
	5	112	-	14	11.8	98.4	4.5
	10	113	-	17	11.7	97.5	4.5
	25	114	-	15	11.8	98.4	4.5
	105	112	-	15	11.7	96.8	4.2
E2	1	113	-	14	11.9	97.9	4.0
	5	112	-	15	11.8	97.1	4.0
	10	113	-	14	-	-	4.0
	15	113	-	15	11.8	97.1	4.0
	30	112	-	14	11.9	97.6	3.9
F	0	112	-	12	11.8	97.1	4

*SPECTROPHOTOMETRIC METHOD
**WINKLER METHOD

APPENDIX 2(b) KAMLOOPS LAKE WATER QUALITY - April, 1976

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	7.8	-	11.0	5.0	-
B1	1	7.7	-	11.0	4.0	-
	5	-	-	11.0	3.0	-
	15	7.8	-	11.0	3.0	-
	25	7.7	-	11.0	3.0	-
	40	7.7	-	11.0	2.0	-
B2	1	7.8	-	11.0	3.0	-
	5	7.8	-	11.0	3.0	-
	10	7.8	-	11.0	3.0	-
	30	7.7	-	11.0	2.0	-
	52	7.7	-	11.0	3.0	-
B3	1	7.8	-	11.0	3.0	-
	5	7.8	-	11.0	3.0	-
	10	7.8	-	11.0	2.0	-
	25	7.7	-	11.0	2.0	-
	52	7.7	-	12.0	1.0	-
C1	1	7.8	-	12.0	2.0	-
	5	7.8	-	12.0	3.0	-
	15	7.8	-	11.0	2.0	-
	30	7.8	-	11.0	2.0	-
	90	7.8	-	11.0	2.0	-
C2	1	7.9	-	11.0	3.0	-
	5	7.9	-	11.0	2.0	-
	10	7.9	-	11.0	2.0	-
	30	7.8	-	11.0	2.0	-
	120	7.8	-	11.0	2.0	-
C3	1	7.9	-	11.0	3.0	-
	5	7.9	-	11.0	2.0	-
	8	7.8	-	11.0	2.0	-
	25	7.8	-	12.0	1.0	-
	90	7.8	-	11.0	2.0	-

Continued...

APPENDIX 2(b) KAMLOOPS LAKE WATER QUALITY - April, 1976
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
X2	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
D2	1	7.7	-	11.0	2.0	-
	5	7.7	-	11.0	2.0	-
	10	7.7	-	11.0	1.0	-
	25	7.7	-	11.0	1.0	-
	105	7.7	-	11.0	2.0	-
E2	1	7.7	-	11.0	2.0	-
	5	7.7	-	11.0	1.0	-
	10	7.7	-	11.0	1.0	-
	15	7.7	-	11.0	1.0	-
	30	7.8	-	11.0	1.0	-
F	0	7.7	-	11.0	3.0	-

APPENDIX 2(c) KAMLOOPS LAKE WATER QUALITY - April, 1976

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	20	< 10	-	-
B1	1	10	< 10	-	-
	5	-	< 10	-	-
	15	10	< 10	-	-
	25	20	< 10	-	-
	40	10	< 10	-	-
B2	1	20	< 10	-	-
	5	20	< 10	-	-
	10	20	< 10	-	-
	30	10	< 10	-	-
	52	20	< 10	-	-
B3	1	20	< 10	-	-
	5	30	< 10	-	-
	10	20	< 10	-	-
	25	10	< 10	-	-
	52	20	< 10	-	-
C1	1	10	< 10	-	-
	5	20	< 10	-	-
	15	20	< 10	-	-
	30	20	< 10	-	-
	90	20	< 10	-	-
C2	1	20	< 10	-	-
	5	20	< 10	-	-
	10	20	< 10	-	-
	30	20	< 10	-	-
	120	10	< 10	-	-
C3	1	20	< 10	-	-
	5	20	< 10	-	-
	8	20	< 10	-	-
	25	20	< 10	-	-
	90	20	< 10	-	-

Continued...

APPENDIX 2(c) KAMLOOPS LAKE WATER QUALITY - April, 1976
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
X2	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
D2	1	10	< 10	-	-
	5	20	< 10	-	-
	10	20	< 10	-	-
	25	20	< 10	-	-
	105	< 10	< 10	-	-
E2	1	< 10	< 10	-	-
	5	< 10	< 10	-	-
	10	< 10	< 10	-	-
	15	< 10	< 10	-	-
	30	< 10	< 10	-	-
F	0	10	< 10	-	-

APPENDIX 2(d) KAMLOOPS LAKE WATER QUALITY - April, 1976

STATION	DEPTH (m)	NITRATE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	60	9	-	-	-	-
B1	1	90	9	-	-	-	-
	5	-	-	-	-	-	-
	15	< 10	9	-	-	-	-
	25	90	7	-	-	-	-
	40	100	8	-	-	-	-
B2	1	60	8	-	-	-	-
	5	60	6	-	-	-	-
	10	90	12	-	-	-	-
	30	100	9	-	-	-	-
	52	100	8	-	-	-	-
B3	1	60	16	-	-	-	-
	5	60	20	-	-	-	-
	10	80	14	-	-	-	-
	25	100	12	-	-	-	-
	52	110	8	-	-	-	-
C1	1	80	10	-	-	-	-
	5	80	7	-	-	-	-
	15	90	9	-	-	-	-
	30	110	7	-	-	-	-
	90	110	5	-	-	-	-
C2	1	80	10	-	-	-	-
	5	80	10	-	-	-	-
	10	90	13	-	-	-	-
	30	100	10	-	-	-	-
	120	110	9	-	-	-	-
C3	1	70	19	-	-	-	-
	5	90	9	-	-	-	-
	8	100	13	-	-	-	-
	25	100	9	-	-	-	-
	90	110	6	-	-	-	-

Continued...

APPENDIX 2(d) KAMLOOPS LAKE WATER QUALITY - April, 1976
(Continued)

STATION	DEPTH (m)	NITRATE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
X2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
D2	1	110	8	-	-	-	-
	5	110	9	-	-	-	-
	10	110	9	-	-	-	-
	25	110	8	-	-	-	-
	105	110	11	-	-	-	-
E2	1	110	11	-	-	-	-
	5	110	11	-	-	-	-
	10	110	5	-	-	-	-
	15	110	8	-	-	-	-
	30	110	9	-	-	-	-
F	0	110	< 5	-	-	-	-

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

APPENDIX 2(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - April, 1976

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2	4.9	0	2.1	-
		2	1.3	-
		4	2.2	-
		6	1.1	-
		10	2.9	-
		15	-	-
		20	-	-
C2	4.9	0	2.0	-
		2	2.3	-
		4	1.9	-
		6	1.8	-
		10	1.0	-
		15	-	-
		20	-	-
G2	-	0	-	-
		2	-	-
		4	-	-
		6	-	-
		10	-	-
		15	-	-
		20	-	-
X2	-	0	-	-
		2	-	-
		4	-	-
		6	-	-
		10	-	-
		15	-	-
		20	-	-
D2	8.8	0	1.0	-
		2	0.3	-
		4	0.6	-
		6	0.7	-
		10	0.9	-
		15	-	-
		20	-	-
E2	9.5	0	0.8	-
		2	0.5	-
		4	1.3	-
		6	1.1	-
		10	0.6	-
		15	-	-
		20	-	-

*2.5 x secchi depth

APPENDIX 3

KAMLOOPS LAKE WATER QUALITY
- SEPTEMBER 1976

APPENDIX 3(a) KAMLOOPS LAKE WATER QUALITY - September, 1976

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	COLOUR* UNITS	DISSOLVED OXYGEN** (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
A	0	-	-	8	10.2	-	-
B1	1	-	-	-	9.3	103.7	17
	10	-	-	8	10.1	108.1	15
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	25	-	-	9	9.8	-	-
B2	1	-	-	7	9.5	103.8	16
	-	-	-	-	-	-	-
	10	-	-	6	9.3	98.1	14.2
	15	-	-	7	9.8	101.6	13.5
	30	-	-	8	9.5	-	-
B3	1	-	-	6	9.7	103.8	15
	-	-	-	-	-	-	-
	15	-	-	5	-	-	-
	-	-	-	-	-	-	-
	20	-	-	5	9.5	-	-
C1	1	-	-	7	9.3	103.7	17
	25	-	-	9	10.3	109.1	14.5
	50	-	-	11	9.5	87.0	8.2
	65	-	-	13	10.5	93.2	7.0
	80	-	-	-	10.4	91.9	6.8
C2	1	-	-	8	9.8	108.2	16.5
	25	-	-	10	9.7	99.4	13.0
	50	-	-	12	9.8	89.2	8.0
	75	-	-	13	10.3	89.2	6.0
	130	-	-	14	9.3	80.0	5.7
C3	1	-	-	6	9.7	106.0	16.0
	25	-	-	9	9.9	101.5	13.0
	50	-	-	10	9.9	89.0	7.5
	75	-	-	14	10.3	88.1	5.5
	120	-	-	7	9.6	-	-

Continued...

APPENDIX 3(a) KAMLOOPS LAKE WATER QUALITY - September, 1976
(Continued)

STATION	DEPTH (m)	SPECIFIC CONDUCTANCE (umho/cm)	TURBIDITY (JTU)	COLOUR* UNITS	DISSOLVED OXYGEN** (mg/l)	OXYGEN SATURATION (%)	TEMPERATURE (°C)
G2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
X2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
D2	1	-	-	11	9.7	106.0	16.0
	20	-	-	7	9.9	104.8	14.5
	50	-	-	12	9.9	88.3	7.2
	75	-	-	11	10.3	89.2	6.0
	115	-	-	11	9.6	-	-
E2	1	-	-	7	10.4	111.3	15.0
	15	-	-	7	9.9	104.4	14.2
	25	-	-	7	9.9	102.7	13.5
	35	-	-	8	10.2	99.8	11.0
	40	-	-	11	10.2	97.6	10.0
F	0	-	-	6	11.5	120.7	14.0

*SPECTROPHOTOMETRIC METHOD
**WINKLER METHOD

APPENDIX 3(b) KAMLOOPS LAKE WATER QUALITY - September, 1976

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
A	0	-	-	8.0	2.0	-
B1	1	-	-	8.0	2.0	-
	10	-	-	8.0	1.0	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	25	-	-	8.0	2.0	-
B2	1	-	-	8.0	1.0	-
	-	-	-	-	-	-
	10	-	-	8.0	1.0	-
	15	-	-	8.0	2.0	-
	30	-	-	8.0	2.0	-
B3	1	-	-	8.0	2.0	-
	-	-	-	-	-	-
	15	-	-	8.0	2.0	-
	-	-	-	-	-	-
	20	-	-	8.0	3.0	-
C1	1	-	-	8.0	2.0	-
	25	-	-	8.0	2.0	-
	50	-	-	9.0	2.0	-
	65	-	-	10.0	2.0	-
	80	-	-	10.0	3.0	-
C2	1	-	-	7.0	3.0	-
	25	-	-	8.0	2.0	-
	50	-	-	9.0	2.0	-
	75	-	-	10.0	2.0	-
	130	-	-	11.0	2.0	-
C3	1	-	-	8.0	2.0	-
	25	-	-	8.0	2.0	-
	50	-	-	9.0	2.0	-
	75	-	-	10.0	3.0	-
	120	-	-	8.0	2.0	-

Continued...

APPENDIX 3(b) KAMLOOPS LAKE WATER QUALITY - September, 1976
(Continued)

STATION	DEPTH (m)	pH	TOTAL ALKALINITY (mg/l CaCO3)	TOTAL INORGANIC CARBON (mg/l)	TOTAL ORGANIC CARBON (mg/l)	PARTICULATE CARBON (mg/l)
G2	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
X2	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
D2	1	-	-	7.0	3.0	-
	20	-	-	8.0	1.0	-
	50	-	-	9.0	1.0	-
	75	-	-	10.0	3.0	-
	115	-	-	10.0	2.0	-
E2	1	-	-	8.0	1.0	-
	15	-	-	8.0	1.0	-
	25	-	-	8.0	2.0	-
	35	-	-	8.0	1.0	-
	40	-	-	8.0	2.0	-
F	0	-	-	8.0	4.0	-

APPENDIX 3(c) KAMLOOPS LAKE WATER QUALITY - September, 1976

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
A	0	17	< 10	-	-
B1	1	10	< 10	-	-
	10	< 10	< 10	-	-
	-	-	-	-	-
	-	-	-	-	-
	25	< 10	< 10	-	-
B2	1	11	< 10	-	-
	-	-	-	-	-
	10	10	< 10	-	-
	15	< 10	< 10	-	-
	30	10	< 10	-	-
B3	1	16	< 10	-	-
	-	-	-	-	-
	15	< 10	< 10	-	-
	-	-	-	-	-
	20	< 10	< 10	-	-
C1	1	13	< 10	-	-
	25	11	< 10	-	-
	50	< 10	< 10	-	-
	65	10	< 10	-	-
	80	< 10	< 10	-	-
C2	1	15	< 10	-	-
	25	14	< 10	-	-
	50	12	< 10	-	-
	75	13	< 10	-	-
	130	13	< 10	-	-
C3	1	15	< 10	-	-
	25	15	< 10	-	-
	50	15	< 10	-	-
	75	12	< 10	-	-
	120	14	< 10	-	-

Continued...

APPENDIX 3(c) KAMLOOPS LAKE WATER QUALITY - September, 1976
(Continued)

STATION	DEPTH (m)	TOTAL PHOSPHORUS (ug/l)	DISSOLVED PHOSPHORUS (ug/l)	PARTICULATE* PHOSPHORUS (ug/l)	REACTIVE SILICA (mg/l)
G2	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
X2	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
D2	1	14	< 10	-	-
	20	13	< 10	-	-
	50	12	< 10	-	-
	75	12	< 10	-	-
	115	13	< 10	-	-
E2	1	13	< 10	-	-
	5	21	< 10	-	-
	25	14	11	-	-
	35	18	10	-	-
	40	15	11	-	-
F	0	< 10	< 10	-	-

APPENDIX 3(d) KAMLOOPS LAKE WATER QUALITY - September, 1976

STATION	DEPTH (m)	NITRATE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
A	0	12	7	-	-	-	-
B1	1	-	-	-	-	-	-
	10	68	18	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	25	68	11	-	-	-	-
B2	1	89	6	-	-	-	-
	-	-	-	-	-	-	-
	10	66	10	-	-	-	-
	15	86	23	-	-	-	-
	30	81	10	-	-	-	-
B3	1	59	11	-	-	-	-
	-	-	-	-	-	-	-
	15	70	10	-	-	-	-
	-	-	-	-	-	-	-
	20	70	10	-	-	-	-
C1	1	44	8	-	-	-	-
	25	50	10	-	-	-	-
	50	77	8	-	-	-	-
	65	130	11	-	-	-	-
	80	-	-	-	-	-	-
C2	1	23	10	-	-	-	-
	25	52	11	-	-	-	-
	50	89	9	-	-	-	-
	75	130	10	-	-	-	-
	130	160	11	-	-	-	-
C3	1	36	8	-	-	-	-
	25	57	11	-	-	-	-
	50	89	8	-	-	-	-
	75	130	6	-	-	-	-
	120	32	10	-	-	-	-

Continued...

APPENDIX 3(d) KAMLOOPS LAKE WATER QUALITY - September, 1976
(Continued)

STATION	DEPTH (m)	NITRATE (ug/l)	AMMONIA (ug/l)	PARTICULATE NITROGEN (ug/l)	TOTAL KJELDAHL NITROGEN (ug/l)	TOTAL* NITROGEN (ug/l)	DISSOLVED** ORGANIC NITROGEN (ug/l)
G2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
X2	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
D2	1	20	6	-	-	-	-
	20	43	11	-	-	-	-
	50	94	7	-	-	-	-
	75	130	10	-	-	-	-
	115	120	11	-	-	-	-
E2	1	16	6	-	-	-	-
	15	28	9	-	-	-	-
	25	40	10	-	-	-	-
	35	62	6	-	-	-	-
	40	89	13	-	-	-	-
F	0	63	9	-	-	-	-

*Calculated from (NO_3 + NO_2) + TKN
**Calculated from (TKN - NH_3) - PN

APPENDIX 3(e) KAMLOOPS LAKE CHLOROPHYLL-A AND ASH-FREE DRY WEIGHT - September, 1976

STATION	PHOTIC ZONE* (m)	DEPTH (m)	CHLOROPHYLL-A (ug/l)	ASH-FREE DRY WEIGHT (mg/l)
B2	5.7	0	< 0.8	-
		2	1.6	-
		4	0.9	-
		6	1.4	-
		10	0.9	-
		15	1.0	-
		20	-	-
C2	8.0	0	2.2	-
		2	2.1	-
		4	1.8	-
		6	1.8	-
		10	1.9	-
		15	1.8	-
		20	-	-
G2	-	0	-	-
		2	-	-
		4	-	-
		6	-	-
		10	-	-
		15	-	-
		20	-	-
X2	-	0	-	-
		2	-	-
		4	-	-
		6	-	-
		10	-	-
		15	-	-
		20	-	-
D2	9.5	0	1.3	-
		2	2.8	-
		4	3.7	-
		6	2.3	-
		10	1.6	-
		15	1.4	-
		20	-	-
E2	8.0	0	1.9	-
		2	2.4	-
		4	3.0	-
		6	2.5	-
		10	2.3	-
		15	1.7	-
		20	-	-

*2.5 x secchi depth