

Plankton, 1944

- (1) Lakelse Lake
- (2) Kitsumgallum Lake
- (3) Morice Lake

Plankton

- (1) Lakelse Lake
(2) Kitsumgallum lake

(1) Lakelse Lake Plankton

	<u>Abundance</u>	<u>Range</u>
Crustacea:		
Cladocera: (4 species)		
<u>Bosmina longispina</u>	Abundant	10% (5-20%)
<u>Diaphanosoma leuchtenbergianum</u>	Not uncommon	2% (1-10%)
<u>Daphnia longispina</u>	Rare	
<u>Sida crystallina</u>	Very rare	
Copepoda: (2+ species)		
<u>Cyclops</u> sp.	Very abundant	55% (25-75%)
<u>Epischura nevadensis</u>	Abundant	15% (10-25%)
Nauplii	Abundant	10% (5-15%)
Hydracarina: (1 specimen)	Very rare	
Arachnida : (2 specimens)	Very rare	
Insecta:		
Ephemeroptera: (1 species)	Rare	
Algae:		
Bacillarieae: (Variety of species)	Fairly abundant	8% (5-20%)
Chlorophyceae: (A few species)	Not uncommon	2% (0-5%)

(2) Kitsumgallum Lake Plankton

Crustacea.

Abundance

Range

Cladocera: (1 species)

Bosmina obtusirostris

Very rare

Copepoda: (2+ species)

Cyclops sp.

Very abundant 35% (20-50%)

Epischura nevadensis

Very abundant 45% (30-60%)

Nauplii

Abundant 10% (5-15%)

Algae.

Bacillarieae: (Variety of species)

Fairly abundant 10% (5-15%)

(3) Morice Lake Plankton

Crustacea.

Cladocera: (2 species)

Bosmina longispina

Abundant 10%

Daphnia longispina

Rare 1%

Copepoda: (2+ species)

Cyclops sp.

Very abundant 30%

Epischura sp.

Fairly abundant 5%

Nauplii

Very abundant 40%

Algae:

Bacillarieae (Variety of species)

Fairly abundant 10%

The following is a table of the total number of plankters present in a complete vertical haul determined from a sample obtained in a suction pipette.

The plankters were diluted to 50 c.c. and a pipette of uniform bore from mouth to top filled to a volume of 4.5 c.c. i.e. 11.1% of the complete volume.

<u>Lake</u>	<u>Date</u>	<u>Depth</u>	<u>Net No.</u>	<u>Cyclops</u>		<u>Epischura</u>		<u>Nauplii</u>		<u>Bosmina</u>	
				<u>Total</u>	<u>%</u>	<u>Total</u>	<u>%</u>	<u>Total</u>	<u>%</u>	<u>Total</u>	<u>%</u>
Lakelse	July 29	80'	No. 10	1800	77%	100	4%	200	8%	250	11%
	Aug. 12		"	2800	71%	190	5%	620	16%	310	8%
	Aug. 28		"	3500	83%	200	5%	230	5%	230	5%
Kalum	July 22	300'	"	230	48%	100	20%	160	32%	0	0%
Morice	Sept. 9	300'	No. 20	820	30%	45	2%	1800	65%	70	3%

The following figure illustrates the above figures graphically.