

LAKE SURVEY DATA

SURVEYED BY: J.C.L., I.B., DATE SURVEYED: July, August, 1951,

NAME: EUGHU LAKE MAP REF. CODE NO. 93F/5

DATA ON FILE:

Physical Data	<input checked="" type="checkbox"/>	Fish Samples	<input checked="" type="checkbox"/>
Geography	<input type="checkbox"/>	Stomach Analysis	<input type="checkbox"/>
Chemical	<input type="checkbox"/>	Scale Reading	<input checked="" type="checkbox"/>
Flora	<input checked="" type="checkbox"/>	Resort & Campsite	<input type="checkbox"/>
Invertebrates	<input checked="" type="checkbox"/>	Habitation	<input type="checkbox"/>
Temperature Series	<input checked="" type="checkbox"/>	Access	<input type="checkbox"/>
Obstructions & Pollutions	<input type="checkbox"/>	Oxygen	<input type="checkbox"/>
Stocking	<input type="checkbox"/>	Photography	<input type="checkbox"/>
General Information	<input checked="" type="checkbox"/>	Rehabilitation	<input type="checkbox"/>
Miscellaneous	<input type="checkbox"/>		Year <input type="checkbox"/>

LOCATION: Central B.C., 118 miles miles, S.W., of Prince George in a direct line, E. of Tweedsmuir Park.

Latitude, Longitude \_\_\_\_\_

Drainage System Several inlet creeks, connects with Natalkus and Ootsa lakes.

Elevation 2800'

PHYSICAL DATA:

(Including 44.8 acres island)

Surface Area	<u>6259 acres</u>	Volume	<u>250 360</u>
Shoreline Development	<input type="checkbox"/>	Shoreline Perimeter	<u>158,400'</u>
Maximum Depth	<u>154'</u>	Mean Depth	<u>40'</u>
Total Dissolved Solids	<input type="checkbox"/>	Secchi's Disc	<input type="checkbox"/>

GEOGRAPHY:

Local Geography:

Lake Drainage: Spanning not known, but probably adequate for lake.

CHECKING LIST OF SPECIES

LAKE ..... EUCHU .....

TROUT, CHAR

		SPECIMENS	SCALES	STOMACHS	RECORD ONLY
Lake Trout	Savlelinus namaycush .....				
Dolly Varden	S. alpinus .....				
Brook Trout	S. fontinalis .....				
Brown Trout	Salmo trutta .....				
Cutthroat	S. clarki .....				
Steelhead	S. gairdneri .....				✓

WHITEFISH

Round	Prosopium cylindraceum .....				✓
Mountain	P. williamsoni .....				
Fygmy	P. coulteri .....				
Lake	Coregonus clupeaformis .....				
Broad	C. nasus .....				
Least Cisco	C. sardinella .....				
Inconmu	Stenodus leucichthys nelma .....				

GRAYLING

Arctic Thymallus arcticus .....					
---------------------------------	--	--	--	--	--

SUCKERS

Coarse Scale	Catostomus macrocheilus .....				✓
White	C. commersonni .....				✓
Longnose	C. catostomus .....				✓
Bridgelip	C. columbianus .....				
Northern Mountain	Pantosteus jordani .....				

MINNOW

Carp	Cyprinus carpio .....				
Goldfish	Carassius auratus .....				
Tench	Tinca tinca .....				
Redside Shiner	Richardsonius balteatus .....				
Squawfish	Ptychocheilus oregonense .....				✓
Northern Pearl Dace	Margariscus margarita nachtriebi .....				
Peanmouth Chub	Mylocheilus caurinum .....				
Northern Redbelly Dace	Chrosomus eos .....				
Finescale Dace	Pfrille neogoea .....				
Chiselmouth	Acrocheilus alutaceum .....				
Fathead Chub	Platygobio gracilis .....				
Lake Chub	Couesius plumbeus .....				
Speckled	Rhinichthys osculus .....				
Leopard Dace	R. falcatus .....				
Longnose Dace	R. cataractoe .....				
Brassy Minnow	Hybognathus hankinsoni .....				

SCULPINS

Prickly	Cottus asper .....				
Aleutian	C. aleuticus .....				
Spoonhead	C. ricei .....				
Torrent	C. rhotheus .....				
Slimy	C. cognatus .....				
Columbia	C. hubbsi .....				

BASS

Smallmouth	Micropterus dolomieu .....				
Largemouth	M. salmoides .....				
Pumpkinseed	Lepomis gibbosus .....				
Black Crappie	Pomoxis nigromaculatus .....				

CHECK LIST OF SPECIES

LAKE .....

PERCH

Yellow Perca flavescens .....  
 Walleye Stizostedion vitreum .....

TROUTPERCH

Troutperch Percopsis omiscomaycus .....

PIKE

Northern Esox lucius .....

CODEFISH

Burbot Lota lota .....

CATFISH

Brown Bullhead Ictalurus nebulosus .....  
 Black Bullhead I. melas .....

MOONEYES

Goldeye Hiodon alosoides .....

HERRING

American Shad Alosa sapidissima .....

SMEELTS

Eulachon Thaleichthys pacificus .....  
 Longfin Spirinchus dilatatus .....

STICLEBACKS

Three Spine Gasterostens aculeatus .....  
 Brook Eucalia inconstans .....

STURGEN

White Acipenser transmontanus .....  
 Green A. medirostris .....

LAMPREYS

Pacific Entosphenus tridentatus .....  
 Western Brook Lampetra planeri .....  
 Western L. ayresi .....

SALMON

Pink Oncorhynchus gorbuscha .....  
 Cho O. kisutch .....  
 Spring O. tshawytscha .....  
 Chum O. keta .....  
 Sockeye O. nerka .....  
 Kokanee O. nerka kennerlyi .....

	SPECIMENS	SCALES	STOMACHS	RECORD ONLY
LAKE .....				
Yellow Perca flavescens .....				
Walleye Stizostedion vitreum .....				
Troutperch Percopsis omiscomaycus .....				
Northern Esox lucius .....				
Burbot Lota lota .....				✓
Brown Bullhead Ictalurus nebulosus .....				
Black Bullhead I. melas .....				
Goldeye Hiodon alosoides .....				
American Shad Alosa sapidissima .....				
Eulachon Thaleichthys pacificus .....				
Longfin Spirinchus dilatatus .....				
Three Spine Gasterostens aculeatus .....				✓
Brook Eucalia inconstans .....				
White Acipenser transmontanus .....				
Green A. medirostris .....				
Pacific Entosphenus tridentatus .....				
Western Brook Lampetra planeri .....				
Western L. ayresi .....				
Pink Oncorhynchus gorbuscha .....				
Cho O. kisutch .....				
Spring O. tshawytscha .....				
Chum O. keta .....				
Sockeye O. nerka .....				
Kokanee O. nerka kennerlyi .....				✓

Locality .... Eucyu Lake... (Eucyu R.)... Date .... July. 13. & 14/50 ..... Method of Capture .....

DATE	SPECIES	LENGTH	WEIGHT	SEX	COND.	AGE	STOMACH CONTENTS						REMARKS	
							Total Volume	Bottom Organisms	Plankton	Terr. Insects	Fish			
July 13, 14/50														
1	Kamloops	31.5	325	M			1.4	1.4 Caddis			+			
2	"	29	200	M			+	insect lar.						
3	"	26	175	F	Immat.		0.6	Caddis			+			
4	"	33	325	F	sp.		0.9	"						
5	"	30.5	250	M			0.9	insect lar.			beetles bugs			
6	"	31	275	M			0.7	"						
7	"	20.5	75	I			0.8	"						
8	"	29.5	250	F	Immat.		0.4							
9	"	32	275	M	Sp.		+				+			
10	"	30.5	225	F	Mat.		0.9	Caddis			+			
11	"						0.8							
12	"	33	350	F	"		0.4							
13	"	32	300	F	sp		0.4							
14	"	33	325	M			+			+				
15	"	30	225	F			0.6							
16	"	33.5	350	F			0.7	Insect lar.			+			
17	"	31	250	F	Sp.		0.5							
18	"	32	275	F	Sp.		0.2	Insect lar.						
19	"	28.5	225	F	Mat.		1.3							
20	"	35	450	M	sp		1.4	Insect lar.			+			
21	"	30.5	225	F			0.5	Insect lar.			+			
22	"	30.5	250	F			0.4	"			+			
23	"	23.5	125		Immat.		0.2							





EUCHU LAKE

FLORA AND INVERTEBRATE FAUNA

MACROFLORA Nitella 0.5' 14 July, 1950.

PLANKTON

Date, station	T.V. 10	T.V. 20	S.T. 10	S.T. 20
July 22, 1951.	30 ft. 1.3cc.		3 min. 2.6cc.	
	Cyclops Diaptomus Bosmina Daphnia Longispina Copepoda Nauplii  (Notholca (Dinobryon (Tabellaria		Bosmina Cyclops Leptodora Copepoda Nauplii  Amurca ) Notholca )  (Dinobryon (Tetraedion (Pediastrum (Fragilaria (Diatoma	) ) )

BOTTOM FAUNA

Date	Depth	Substrata	Organisms