

LAKE SURVEY DATA

56630

SURVEYED BY: Burns & Tredger DATE SURVEYED: August 12, 1975

NAME: Seymour MAP REF. CODE NO. 93 L 11 E

DATA ON FILE:

Physical Data	<u> </u>	Fish Samples	<u> x </u>
Geography	<u> </u>	Stomach Analysis	<u> </u>
Chemical	<u> x </u>	Scale Reading	<u> </u>
Flora	<u> </u>	Resort & Campsite	<u> </u>
Invertebrates	<u> </u>	Habitation	<u> </u>
Temperature Series	<u> x </u>	Access	<u> </u>
Obstructions & Pollutions	<u> </u>	Oxygen	<u> x </u>
Stocking	<u> x </u>	Photography	<u> x </u>
General Information	<u> </u>	Rehabilitation	<u> </u> Year
Miscellaneous	<u> </u>	Bench Mark	<u> </u>

LOCATION: 3 kilometers south of Smithers.

Latitude, Longitude 54° 44' 30": 127° 09' 30"

Drainage, System Seymour Ck. → Bulkley R. → Skeena R.

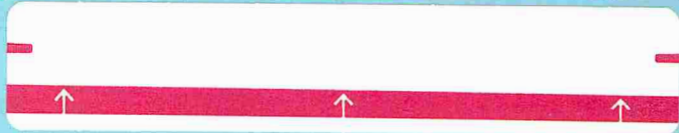
Elevation Approx. 550 m. (approx. 1800 ft.)

PHYSICAL DATA:

Surface Area	<u> </u>	Volume	<u> </u>
Area, contour	<u> </u>	Shoreline Perimeter	<u> </u>
Maximum Depth	<u> </u>	Mean Depth	<u> </u>
Total Dissolved Solids	<u>64 mg. / 1.</u>	Shoreline Development	<u> </u>
Bench Mark	<u> </u>	Secchi Reading	<u>2m.</u>

GEOGRAPHY

Immediate Shoreline:



Surrounding Country:

Lake Drainage:

X

LAKE: Seymour

TEMPERATURE: see temperature record sheet

LIGHT PENETRATION: Secchi Disc. 2 m. 0/10 O.C.

1100 Hrs. Surface rippled

OXYGEN: see oxygen record sheet

pH: Surface 7.3 4.0 - 6.5

5.5 m. 6.5 3.0 m. - 7.0

H₂S: 5.5 m.

DISSOLVED SOLIDS: Instrument Used _____

DATE	T.D.S.	BREAKDOWN
August 11, 1975		
Surface	64 mg./l.	
5.5 m.	67 mg./l.	
SP. COND.		

MISCELLANEOUS:

BENCH MARK: Located m. above water level in a cm.
tree,

SOUNDING DEVICE:

MAP OUTLINE FROM:

VERTICAL TEMPERATURE RECORD SHEET FOR LAKES

Lake Seymour Locality Smithers Station _____
 Date Aug. 12, 1975 Time 1100 Recorder Burns
 Cloud cover (1/10's O.C.) 0 Wind Velocity 3 m.p.h. Direction NW
 Air Temperature °C. 20.0 Instrument Used Telethermometer
 Surface Condition Rippled Remarks _____

Depth in m.	Temperature in °C.	Depth in m.	Temperature in °C.	Depth in m.	Temperature in °C.
Surface	16.5	20.5		41.0	
0.5		21.0		41.5	
1.0		21.5		42.0	
1.5		22.0		42.5	
2.0		22.5		43.0	
2.5		23.0		43.5	
3.0	15.7	23.5		44.0	
3.5		24.0		44.5	
4.0	14.9	24.5		45.0	
4.5	14.0	25.0		45.5	
5.0		25.5		46.0	
5.5	13.5	26.0		46.5	
6.0		26.5		47.0	
6.5	Bottom	27.0		47.5	
7.0		27.5		48.0	
7.5		28.0		48.5	
8.0		28.5		49.0	
8.5		29.0		49.5	
9.0		29.5		50.0	
9.5		30.0		50.5	
10.0		30.5		60.0	
10.5		31.0		65.0	
11.0		31.5		70.0	
11.5		32.0		75.0	
12.0		32.5		80.0	
12.5		33.0		85.0	
13.0		33.5		90.0	
13.5		34.0		95.0	
14.0		34.5		100.0	
14.5		35.0		105.0	
15.0		35.5		110.0	
15.5		36.0		115.0	
16.0		36.5		120.0	
16.5		37.0		125.0	
17.0		37.5		130.0	
17.5		38.0		135.0	
18.0		38.5		140.0	
18.5		39.0		145.0	
19.0		39.5		150.0	
19.5		40.0			
20.0		40.5			

CHECKING LIST OF SPECIES

LAKE SEYMOUR

BASS

		SPECIMENS	SCALES	STOMACH	RECORD ONLY
Smallmouth	Micropterus dolomieu	.....	.....	.....	.....
Largemouth	M. salmoides	.....	.....	.....	.....
Pumpkinseed	Lepomis gibbosus	.....	.....	.....	.....
Black Crappie	Pomoxis nigromaculatus	.....	.....	.....	.....

SALMON

Pink	Oncorhynchus gorbusha	.....	.....	.....	.....
Coho	O. kisutch	.....	.....	.....	.....
Spring	O. tshawytscha	.....	.....	.....	.....
Chum	O. keta	.....	.....	.....	.....
Sockeye	O. nerka	.....	.....	.....	.....
Kokanee	O. nerka	.....	.....	.....	.....

WHITEFISH

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

GRAYLING

Arctic	Thymallus arcticus
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SUCKERS

Coarse Scale	Catostomus macrocheilus	6
White	C. commersonni
Longnose	C. catostomus

CHECKING LIST OF SPECIES

LAKE ... SEYMOUR

		SPECIMENS	SCALES	STOMACH	RECORD ONLY
Bridgelip	C. columbianus				
Northern Mountain	C. platyrhynchus				
<u>SCULPINS</u>					
Prickly	Cottus asper				1
Aleutian	C. aleuticus				
Spoonhead	C. ricei				
Torrent	C. rhotheus				
Slimy	C. cognatus				
Mottled	C. bairdi				
<u>PERCH</u>					
Yellow	Perca fluviatilis flavescens				
Walleye	Stizostedion vitreum				
<u>TROUTPERCH</u>					
Troutperch	Percopsis omiscomaycus				
<u>PIKE</u>					
Northern	Esox lucius				
<u>CODFISH</u>					
Burbot	Lota lota				
<u>CATFISH</u>					
Brown Bullhead	Ictalurus nebulosus				
Black Bullhead	I. melas				
<u>MOONEYES</u>					
Goldeye	Hiodon alosoides				
<u>HERRING</u>					
American Shad	Alosa sapidissima				

CHECKING LIST OF SPECIES

LAKE .. SEYMOUR

SMELTS

Eulachon Thaleichthys pacificus

Longfin Spirinchus thaleichthys

TROUT, CHAR

Lake Trout Salvelinus namaycush

Dolly Varden S. malma

Brook Trout S. fontinalis

Brown Trout Salmo trutta

Cutthroat S. clarki

Steelhead &
Rainbow S. gairdneri

MINNOW

Chiselmouth Acrocheilus alutaceus

Carp Cyprinus carpio

Goldfish Carassius auratus

Tench Tinca tinca

Redside Shiner Richardsonius balteatus

Squawfish Ptychocheilus oregonensis

Northern Redbelly Dace Chrosomus eos

Northern Pearl Dace Semotilus margarita nachtriebi

Peamouth Chub Mylocheilus caurinus

Finescale Dace Pfrille neogoea

Flathead Chub Platygobio gracilis

Lake Chub Couesius plumbeus

Speckled Rhinichthys osculus

SPECIMENS	SCALES	STOMACHS	RECORD ONLY
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.....
.....	1 *
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.....	160
.....	39
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.....	241
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* See page 4

CHECKING LIST OF SPECIES

LAKE ... SEYMOUR

		SPECIMENS	SCALES	STOMACH	RECORD ONLY
Leopard Dace	R. falcatus				
Longnose Dace	R. cataractoe				
Brassy Minnow	Hybognathus hankinsoni				
<u>STICKLEBACKS</u>					
Three Spine	Gasterosteus aculeatus				
Brook	Culoea inconstans				
<u>STURGEON</u>					
White	Acipenser transmontanus				
Green	A. medirostris				
<u>LAMPREYS</u>					
Pacific	Entosphenus tridentatus				
Western Brook	Lampetra richardsoni				
Western	L. ayresi				

Net #1. sinking monofilament, 2.5 X 92m. set at 2030 hours on Aug. 12 and lifted at 0900 on Aug. 13.
 Net #2 sinking experimental, 2.5 X 74m. set at 2030 hours on Aug. 12, and lifted at 1000 on Aug. 13. for location see map.

	#1	#2
RED SIDED SHINER	105	55
PEAMOUTH CHUB	121	120
SQUAWFISH	12	27
LARGE SCALE SUCKER		6
CUTTHROAT		1

Although the lake has been stocked only with Rainbow we caught a Cutthroat.

