

watershed code 92
#920-2577-057-000 92-02-20

CA CRD 55/11/11 LAKE SURVEY DATA

SURVEYED BY: E.J.C., I.W. DATE SURVEYED: 1954.

NAME: SOMENOS LAKE. MAP REF. CODE NO. 92B/13E

DATA ON FILE:

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

LOCATION: N. of Duncan, Somenos District.

Latitude, Longitude 48° 11' 12" N.W. 48° 48' : 118° 11'

Drainage System Richards Cr. - Somenos Lake - Somenos Cr. - Cowichen R. - Sea.

Elevation 18'

PHYSICAL DATA:

Surface Area	<u>245 acres.</u>	Volume	<u>3552 acre ft.</u>
Shoreline Development	_____	Shoreline Perimeter	<u>14,784'</u>
Maximum Depth	<u>25'</u>	Mean Depth	<u>14.5'</u>
Total Desolved Solids	<u>65 PPM.</u>	Secchi's Disc	_____

GEOGRAPHY:

Local Geography: 20' border of low bog bushes in soft muck and nuphar around entire lake.

Lake Drainage: South inlet 1' deep, mucky, about 2cfs., no spawning facilities. Outlet at north end similar.

2 Inlets at east shore have good gravel beds, good spawning facilities. Cut-throat seen spawning in stream XX by Warden. Cut and steelhead? Taken by Seine in pool below waterfall. 10 boats on lake, accessible only via private property.

LAKE: . . . SOMENOS LAKE

TEMPERATURE: . May 21, /54 . Air Temp, 16.6°C, . S, T, 16.6° C,
. 10' . - 15.6°C, 15' . - 13.4°C. . 10/10 O.C. . 1030 hrs.

LIGHT PENETRATION:
.

OXYGEN:
.

DISSOLVED SOLIDS:

DATE	T.D.S.	BREAKDOWN	
	<u>65</u> P.P.M.		
SP. COND.			

MISCELLANEOUS:

VERTICAL TEMPERATURE RECORD SHEET FOR LAKES

Lake **SOMENOS** Locality Station

Date **May 21, 1954** Time **1030 hrs.** Recorder **I.L.W.**

Cloud cover to O.C. **10/10** Wind Velocitym.p.h. Direction

Air Temperature **62°** F Instrument Used

Remarks

.....

Depth Surface	Temperature	Depth	Temperature	Depth	Temperature	Depth	Temperature
0	62°						
1		41		81			
2		42		82			
3		43		83			
4		44		84			
5		45		85			
6		46		86			
7		47		87			
8		48		88			
9		49		89			
10	60°	50		90			
11		51		91			
12		52		92			
13		53		93			
14		54		94			
15	56°	55		95			
16		56		96			
17		57		97			
18		58		98			
19		59		99			
20		60		100			
21		61		110			
22		62		120			
23		63		130			
24		64		140			
25		65		160			
26		66		180			
27		67		200			
28		68		225			
29		69		250			
30		70		275			
31		71		300			
32		72					
33		73					
34		74					
35		75					
36		76					
37		77					
38		78					
39		79					
40		80					

CHECKING LIST OF SPECIES

LAKE Somenos Lake

TROUT, CHAR

- Lake Trout Savlelinus namaycush
- Dolly Varden S. alpinus
- Brook Trout S. fontinalis
- Brown Trout Salmo trutta
- Cutthroat S. clarki
- Steelhead S. gairdneri (rainbow)

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

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
- Peamouth Chub Mylocheilus caurinum
- Northern Redbelly Dace Chrosomus eos
- Finescale Dace Pfrille neogoea
- Chiselmouth Acrocheilus alutaceum
- Flathead 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

	SPECIMENS	SCALES	STOMACHS	RECORD ONLY
Savlelinus namaycush	✓			
S. alpinus				
S. fontinalis				
Salmo trutta				
S. clarki	✓			
S. gairdneri (rainbow)	✓			
Prosopium cylindraceum				
P. williamsoni				
P. coulteri				
Coregonus clupeaformis				
C. nasus				
C. sardinella				
Stenodus leucichthys nelma				
Arctic Thymallus arcticus				
Catostomus macrocheilus				
C. commersonni				
C. catostomus				
C. columbianus				
Pantosteus jordani				
Cyprinus carpio				
Carassius auratus				
Tinca tinca				
Richardsonius balteatus				
Ptychocheilus oregonense				
Margariscus margarita nachtriebi				
Mylocheilus caurinum				
Chrosomus eos				
Pfrille neogoea				
Acrocheilus alutaceum				
Platygobio gracilis				
Couesius plumbeus				
Rhinichthys osculus				
R. falcatus				
R. cataractoe				
Hybognathus hankinsoni				
Cottus asper				
C. aleuticus				
C. ricei				
C. rhotheus				
C. cognatus				
C. hubbsi				
Micropterus dolomieu				
M. salmoides				
Lepomis gibbosus				
Pomoxis nigromaculatus				

CHECKING LIST OF SPECIES

LAKE Somenos Lake

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 ..(rainbow).....	✓			

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				
--------	--------------------------	--	--	--	--

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				
Peamouth Chub	Mylocheilus caurinum				
Northern Redbelly Dace	Chrosomus eos				
Finescale Dace	Pfrille neogoea				
Chiselmouth	Acrocheilus alutaceum				
Flathead 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				

CHECKING LIST OF SPECIES

		SPECIMENS	SCALES	STOMACHS	RECORD ONLY
<u>LAKE Somenos Lake</u>					
<u>TROUT, CHAR</u>					
Lake Trout	Savlelinus namaycush	.....	.....	.....	.....
Dolly Varden	S. alpinus	.....	.....	.....	.....
Brook Trout	S. fontinalis	.....	.....	.....	.....
Brown Trout	Salmo trutta	.....	.....	.....	.....
Cutthroat	S. clarki	.....	.....	.....	.....
Steelhead	S. gairdneri (rainbow)	.....	.....	.....	.....
<u>WHITEFISH</u>					
Round	Prosopium cylindraceum	.....	.....	.....	.....
Mountain	P. williamsoni	.....	.....	.....	.....
Pygmy	P. coulteri	.....	.....	.....	.....
Lake	Coregonus clupeaformis	.....	.....	.....	.....
Broad	C. nasus	.....	.....	.....	.....
Least Cisco	C. sardinella	.....	.....	.....	.....
Inconnu	Stenodus leucichthys nelma	.....	.....	.....	.....
<u>GRAYLING</u>					
Arctic	Thymallus arcticus	.....	.....	.....	.....
<u>SUCKERS</u>					
Coarse Scale	Catostomus macrocheilus	.....	.....	.....	.....
White	C. commersonni	.....	.....	.....	.....
Longnose	C. catostomus	.....	.....	.....	.....
Bridgelip	C. columbianus	.....	.....	.....	.....
Northern Mountain	Pantosteus jordani	.....	.....	.....	.....
<u>MINNOW</u>					
Carp	Cyprinus carpio	.....	.....	.....	.....
Goldfish	Carassius auratus	.....	.....	.....	.....
Tench	Tinca tinca	.....	.....	.....	.....
Redside Shiner	Richardsonius balteatus	.....	.....	.....	.....
Squawfish	Ptychocheilus oregonense	.....	.....	.....	.....
Northern Pearl Dace	Margariscus margarita nachtriebi	.....	.....	.....	.....
Peamouth Chub	Mylocheilus caurinum	.....	.....	.....	.....
Northern Redbelly Dace	Chrosomus eos	.....	.....	.....	.....
Finescale Dace	Pfrille neogoea	.....	.....	.....	.....
Chiselmouth	Acrocheilus alutaceum	.....	.....	.....	.....
Flathead Chub	Platygobio gracilis	.....	.....	.....	.....
Lake Chub	Couesius plumbeus	.....	.....	.....	.....
Speckled	Rhinichthys osculus	.....	.....	.....	.....
Leopard Dace	R. falcatus	.....	.....	.....	.....
Longnose Dace	R. cataractoe	.....	.....	.....	.....
Brassy Minnow	Hybognathus hankinsoni	.....	.....	.....	.....
<u>SCULPINS</u>					
Prickly	Cottus asper	.....	.....	.....	.....
Aleutian	C. aleuticus	.....	.....	.....	.....
Spoonhead	C. ricei	.....	.....	.....	.....
Torrent	C. rhotheus	.....	.....	.....	.....
Slimy	C. cognatus	.....	.....	.....	.....
Columbia	C. hubbsi	.....	.....	.....	.....
<u>BASS</u>					
Smallmouth	Micropterus dolomieu	.....	.....	.....	.....
Largemouth	M. salmoides	.....	.....	.....	.....
Pumpkinseed	Lepomis gibbosus	.....	.....	.....	.....
Black Crappie	Pomoxis nigromaculatus	.....	.....	.....	.....

CHECKING LIST OF SPECIES

		SPECIMENS	SCALES	STOMACHS	RECORD ONLY
<u>LAKE Somenos Lake</u>					
<u>TROUT, CHAR</u>					
Lake Trout	Savlelinus namaycush .....	.....	.....	.....	.....
Dolly Varden	S. alpinus .....	.....	.....	.....	.....
Brook Trout	S. fontinalis .....	.....	.....	.....	.....
Brown Trout	Salmo trutta .....	.....	.....	.....	.....
Cutthroat	S. clarki .....	.....	.....	.....	.....
Steelhead	S. gairdneri ..(rainbow).....	.....	.....	.....	.....
<u>WHITEFISH</u>					
Round	Prosopium cylindraceum .....	.....	.....	.....	.....
Mountain	P. williamsoni .....	.....	.....	.....	.....
Pygmy	P. coulteri .....	.....	.....	.....	.....
Lake	Coregonus clupeaformis .....	.....	.....	.....	.....
Broad	C. nasus .....	.....	.....	.....	.....
Least Cisco	C. sardinella .....	.....	.....	.....	.....
Inconnu	Stenodus leucichthys nelma .....	.....	.....	.....	.....
<u>GRAYLING</u>					
Arctic	Thymallus arcticus .....	.....	.....	.....	.....
<u>SUCKERS</u>					
Coarse Scale	Catostomus macrocheilus .....	.....	.....	.....	.....
White	C. commersonni .....	.....	.....	.....	.....
Longnose	C. catostomus .....	.....	.....	.....	.....
Bridgelip	C. columbianus .....	.....	.....	.....	.....
Northern Mountain	Pantosteus jordani .....	.....	.....	.....	.....
<u>MINNOW</u>					
Carp	Cyprinus carpio .....	.....	.....	.....	.....
Goldfish	Carassius auratus .....	.....	.....	.....	.....
Tench	Tinca tinca .....	.....	.....	.....	.....
Redside Shiner	Richardsonius balteatus .....	.....	.....	.....	.....
Squawfish	Ptychocheilus oregonense .....	.....	.....	.....	.....
Northern Pearl Dace	Margariscus margarita nachtriebi .....	.....	.....	.....	.....
Peamouth Chub	Mylocheilus caurinum .....	.....	.....	.....	.....
Northern Redbelly Dace	Chrosomus eos .....	.....	.....	.....	.....
Finescale Dace	Pfrittle neogoea .....	.....	.....	.....	.....
Chiselmouth	Acrocheilus alutaceum .....	.....	.....	.....	.....
Flathead Chub	Platygobio gracilis .....	.....	.....	.....	.....
Lake Chub	Couesius plumbeus .....	.....	.....	.....	.....
Speckled	Rhinichthys osculus .....	.....	.....	.....	.....
Leopard Dace	R. falcatus .....	.....	.....	.....	.....
Longnose Dace	R. cataractoe .....	.....	.....	.....	.....
Brassy Minnow	Hybognathus harkinsoni .....	.....	.....	.....	.....
<u>SCULPINS</u>					
Prickly	Cottus asper .....	.....	.....	.....	.....
Aleutian	C. aleuticus .....	.....	.....	.....	.....
Spoonhead	C. ricei .....	.....	.....	.....	.....
Torrent	C. rhotheus .....	.....	.....	.....	.....
Slimy	C. cognatus .....	.....	.....	.....	.....
Columbia	C. hubbsi .....	.....	.....	.....	.....
<u>BASS</u>					
Smallmouth	Micropterus dolomieu .....	.....	.....	.....	.....
Largemouth	M. salmoides .....	.....	.....	.....	.....
Pumpkinseed	Lepomis gibbosus .....	.....	.....	.....	.....
Black Crappie	Pomoxis nigromaculatus .....	.....	.....	.....	.....