

LAKE SURVEY DATA

SURVEYED BY: J.A.B. & D.G.B. DATE SURVEYED: August 24, 1958.

NAME: WINDERMERE LAKE. MAP REF. CODE NO. 82J/5

DATA ON FILE:

Physical Data	☒	Fish Samples	☒
Geography	☒	Stomach Analysis	☐
Chemical	☒	Scale Reading	☐
Flora	☐	Resort & Campsite	☐
Invertebrates	☒	Habitation	☐
Temperature Series	☐	Access	☐
Obstructions & Pollutions	☐	Oxygen	☐
Stocking	☒	Photography	☐
General Information	☒	Rehabilitation	☐
Miscellaneous	☐		Year ☐

LOCATION: INVEREMERE, B.C.

Latitude, Longitude 50° 30' ; 116° 00' .0'

Drainage System Columbia River

Elevation 2624'

PHYSICAL DATA:

Surface Area	<u>4490 acres</u>	Volume	<u>52,450 acre ft.</u>
Shoreline Development	☐	Shoreline Perimeter	<u>152,000'</u>
Maximum Depth	<u>24'</u>	Mean Depth	<u>11.7'</u>
Total Dissolved Solids	<u>197 PPM.</u>	Secchi's Disc	☐

GEOGRAPHY:

Local Geography: Small hills surround lake, mostly open land.

Lake Drainage: Several seasonal inlets enter lake. Outlet quite big, little could be done with it in terms of a barrier.

LAKE: WINDERMERE LAKE

TEMPERATURE:
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LIGHT PENETRATION:
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OXYGEN:
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DISSOLVED SOLIDS:

DATE	Aug. 24/58	T.D.S.	BREAKDOWN	
		<u>197</u>	P.P.M.	
SP. COND.				
<u>22.46 @ 26.5°C</u>				

MISCELLANEOUS:

WINDERMERE LAKE

FLORA AND INVERTEBRATE FAUNA

MACROFLORA

PLANKTON

Date, station	T.V. 10	T.V. 20	T.V. 3 S.T. 10	S.T. 20
August 24, 1958.	.2 ml.	.2 ml.	.3 ml.	

BOTTOM FAUNA

Date	Depth	Substrata	Organisms

CHECKING LIST OF SPECIES

LAKE WINDERMERE

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	✓			
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	✓			
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				
Pearmouth 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 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				

Locality	WINDEREMERE	Date	August 23, 1958	Method of Capture	Gillnetted
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[illegible]

AREA NO.	PLANIMETER READINGS		82.8741	AREA sq. in.	AREA Acres	Sun of 2 areas An + Am	Volume acre ft. h/2 (An+Am)
	24.49	29.70					2.5
A 5	8339 10784 5886 8339 2453 2445	9264 12235 6295 9264 2969 2971	54.19✓	54.19	4500 4490.94✓	8,080.21✓	20,205.25✓
A 5	2458 4124 0786 2458 1672 1666	4896 7558 2234 4896 2662 2662	43.31✓	43.31	3589.27✓		
A 10	4924 5728 4126 4924 798 804	10027 2495 7560 0027 2467 2468	= 32.68✓	32.68	2708.32✓	6,297.59✓	15,743.97✓
A 15	4386 6280 2497 4386 1889 1894		18.91✓	18.91	1567.14✓	4,275.46✓	10,688.65✓
A 20	6792 7291 6280 6792 512 499		5.05✓	5.05	418.14✓	1,985.28✓	4,963.20✓
				154.14	12,773.81	418.14	836.28✓
				12774.21			
Perimeter	80" @ 1900' = 152000'						

* Note: The deepest contour area to be multiplied the mean depth in the area

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* Note: The deepest contour area to be multiplied the mean depth in the area 2' 22" ✓

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Total
Acre - ft.

52,437.35
52,440