

ILLINOIS DEPARTMENT OF CONSERVATION
DIVISION OF FISHERIES

County Lake

T 43N R 10E S 17

SUPPLEMENTAL SURVEY

Directions from nearest town: in village of

Lake Zurich

Date of inspection: 8/20/79

Water (Name) Echo Lake Owner multiple

Address of Owner see below Phone of owner _____

Lessee N

Person(s) contacted John Krebsbach Identification homeowner

Address of contact 23568 Cedar Lane, Lake Zurich 60047 Phone of contact -----

Water classification (check) State _____, Public _____, Organization X, Commercial _____, Private _____, Stream _____.

1. Survey initiated by: Mr. Krebsbach

2. Water size: 25.0 Acres or _____ Miles.

3. Date of last inspection or work on water: 6/22/76

4. Purpose of survey: Effects of winterkill

5. Observation, comments, recommendations:

During 30 minutes of electroshocking, 149 fish comprising 8 species were collected. The following is a review of the sample collected.

Largemouth bass: This segment is indicative of the results of a winterkill on an intolerant species. Only one fish was collected, and it would have been of relatively small size during the winter as it is only 8.0" in total length. This species has been hard hit and will probably not repopulate the lake in any number due to competition by the remaining species.

Panfish: The pumpkinseed, green sunfish, and bluegill are currently present in comparable numbers with Y.O.Y. abundant. Condition factors range from poor to average. Yellow perch are also present in comparable numbers and are in good condition.

Commercial: The carp have increased dramatically due to the absence of predators to control their numbers. Only one breeder was collected with the remaining 61 fish being Y.O.Y.

Only one black bullhead was collected, and it appears to be of the 1979 yearclass.

Aquatic vegetation was scarce due to the high turbidities created by the abundant carp population.

(Continue remarks on reverse side)

6. Biologist: Gary Erickson & Harvey Brown Date of report June 26, 1980

Distribution: If classification of State, Public, or Stream: District, Area, Central
All others: District

ILLINOIS DEPARTMENT OF CONSERVATION
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FISH POPULATION ANALYSIS

(Condition factor & Length-Frequency Summary)

COUNTY Lake

WATER (NAME) Echo Lake

DATE OF COLLECTION 8/20/79

Species	½" Group	Number	Percent of Total	Weight	Condition Factor	Rating
Largemouth bass	8.0	1	100	.23	45	Poor
(<u>Micropterus sal-</u> <u>moides</u>)						
Bluegill (<u>Lepomis</u>	1.0	9	56.3			
<u>macrochirus</u>)	4.5	3	18.8	.07	77	Average
	5.0	1	6.3	.08	64	Poor
	5.5	2	12.5	.13	78	Average
	6.0	1	6.3	.13	60	Poor
Total		16				
Bluegill x Green	5.0	2	100	.12	96	Good
sunfish						
Pumpkinseed	1.0	1	4.3			
(<u>Lepomis gibbosus</u>)	2.0	1	4.3			
	3.5	1	4.3			
	4.0	5	21.7	.04	63	Poor
	4.5	3	13.0	.07	77	Average
	5.0	9	39.0	.09	72	Average
	5.5	3	13.0	.12	72	Average
Total		23				
Pumpkinseed x	5.0	2	100	.12	96	Good
Green sunfish						
Green sunfish	1.0	Abundant				
(<u>Lepomis cyanellus</u>)	1.5	Abundant				
	4.0	4		.05	78	Average
	4.5	8		.06	66	Poor
	5.0	10		.10	80	Average
Total		22				
Yellow Perch (<u>Perca</u>	1.0	1	6.3			
<u>flavescens</u>)	3.0	2	12.5			

Sampling Time Involved: 30 minutes Method of Collection: Electroshocking

Biologist: Gary Erickson Date of Report: November 13, 1979

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All Others — District Office Only.

(Condition factor & Length-Frequency Summary

DATE OF COLLECTION 8/20/79

F.M. 12.0 (8-70)