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Institute for Fisheries
Research
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Great Lakes Lake Trout
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INSTITUTE FOR FISHERIES RESEARCH
DIVISION OF FISHERIES
MICHIGAN DEPARTMENT OF CONSERVATION
COOPERATING WITH THE
UNIVERSITY OF MICHIGAN

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ADDRESS
UNIVERSITY MUSEUMS ANNEX
ANN ARBOR, MICHIGAN

Report No. 1261

A SHIPMENT OF 40 "BABY" LAKE TROUT CONFISCATED
IN CHICAGO, ILLINOIS

By

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Officer Goldsmith of the Illinois Department of Conservation, Chicago office, seized 40 "baby" lake trout which were sorted from two 120-pound boxes of chubs consigned to Booth Fisheries, 501 N. Des Plaines, Chicago, Illinois from John Hanrath and Son, Frankfort, Michigan. This constitutes a violation of both the Michigan and Illinois statutes which are identical as to the legal size of lake trout that may be sold. Officer Goldsmith phoned the news of the seizure to Mr. Fred A. Westerman, Chief of the Fish Division who requested that the undersize lake trout be shipped to the Institute for Fisheries Research.

The shipment arrived in Ann Arbor on May 19, 1950. Each fish was carefully examined for clipped or deformed fins and for lamprey scars. Scale samples were taken and the fish were preserved in 10 percent formalin. Of the 40 lake trout examined two had deformed pectoral fins. One lake trout which measured 11.9 inches total length and weighed 7.1 ounces dressed (200 grams) had a left pectoral fin which was about 2/3 normal length with 12 twisted fin rays. Another fish

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which was 12.9 inches, 7.6 ounces dressed (215 grams) had a right pectoral fin which was normal length with 13 fin rays and a hump on the leading edge of the fin. The deformity is so slight that most fishermen probably would not have noticed it. One lake trout 13.8 inches, 8.5 ounces dressed (242 grams) had a lamprey scar on the right side just behind the head. The lengths and weights of the 40 lake trout are given in Table 1.

On May 24 Assistant District Supervisor O. Rettig and Conservation Officer R. Joslin went to Beulah and obtained a warrant for John M. Hanrath and Sons of Frankfort. The officers then went to Frankfort and served the warrant to Henry Hanrath, one of the sons, who accompanied them to Beulah and before Justice Case paid a fine of \$50.00 and costs of \$7.80.

INSTITUTE FOR FISHERIES RESEARCH

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Report approved by A. S. Hazzard

Report typed by M. E. Keyser

Table 1

Total lengths and dressed weights of 40 undersize lake trout seized in Chicago, Illinois

Length (in.)	Weight (gm.)	Weight (oz.)
11.2	146	5.2
11.4	157	5.5
11.5	176	6.2
11.7	168	5.9
11.8	188	6.6
11.8	213	7.5
11.9	173	6.1
√11.9	200	7.1
12.0	177	6.2
12.0	183	6.5
12.0	186	6.6
12.1	176	6.2
12.1	188	6.6
12.3	193	6.8
12.4	193	6.8
12.4	196	6.9
12.4	202	7.1
12.4	207	7.3
12.4	216	7.6
12.5	192	6.8
12.5	206	7.3
12.5	211	7.4
12.6	209	7.4
12.6	221	7.8
12.7	202	7.1
12.7	245	8.6
12.8	219	7.7
√12.9	215	7.6
12.9	235	8.3
12.9	242	8.5
13.0	264	9.3
13.0	272	9.6
13.2	265	9.3
13.6	258	9.1
13.6	270	9.5
13.7	264	9.3
√13.8	242	8.5
14.9	350	12.3
14.9	357	12.6
15.7	398	14.0
Average:		
12.67	221.9	7.82

√ Fish with deformed fin.
 √ Fish with lamprey scar.