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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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REPORT NO. 592

SUMMARY OF TAGGED SMALL-MOUTHED BASS PLANTING AND  
RECAPTURE IN DOUGLAS LAKE, MICHIGAN, SUMMER OF 1939

by

I. A. Rodeheffer

Date planted	Number planted	Number found dead	Per cent found dead	Dates found dead	Number caught	Per cent caught	Dates caught
6/27	53	0	0.0	...	3	5.7	6/30 to 7/25
7/13	151	15	9.9	7/17 to 7/22	20	13.2	7/16 to 9/1
7/24	67	8	11.9	7/25 to 7/28	2	3.0	7/28 to 8/1
Total	271	23	8.5		25	9.2	

Notes on Tagging

Fish planted on 6/27 and 7/13 tagged by I. A. Rodeheffer.

Tags placed on upper or lower jaw. Tags on upper jaw placed on maxillary or premaxillary.

Fish planted on 7/24 tagged by Dr. David Shetter on lower or upper jaw.

Notes on Planting

Fish planted on 6/27 were transported directly from Sturgeon Bay and planted in Douglas Lake. Fish planted on 7/13 and 7/24 were transported from Sturgeon Bay to the Oden hatchery, where they were kept in cold water, to permit the selection of breeders for other parts of the state.

Fish not used for breeders were planted in Douglas Lake.

All fish planted at the Biological Station boat dock.

Notes on Recapture

Eight small-mouthed bass were recaptured with nets.

Seventeen were recaptured with hook and line.

Of the 25 recaptured, 11 were kept, 14 released.

Map (page 3) indicates location of recaptures. Number within circle indicates number of fish captured near that locality.

Notes on Parasites

Fish examined for parasites by Dr. Lyell J. Thomas and Mr. Larry Penner.

Results of their findings are as follows:

Report of Parasitologists on Small-mouthed Bass Received  
From Sturgeon Bay and Planted in Douglas Lake in 1939

Fish examined by Dr. Lyell J. Thomas and Mr. Larry Penner of the University of Michigan Biological Station parasitology staff.

Four small-mouthed bass examined from the 7/13 planting.

Five small-mouthed bass examined from the 7/25 planting.

Parasites found in the fish examined:

1. Proteocephalus ambloplites (larvae and adult)
2. Leptorhynchoides thecatus
3. Dichelyne cotylophora
4. Proteocephalus singularis
5. Neoechinorhynchua cylindratus
6. Azygia sp.

Numbers 1, 2, 3 and 5 are reported as common in Douglas Lake.

Numbers 4 and 6 have never been found in Douglas Lake.

Number 1 was reported as abundant in the fish examined.

Number 2 was reported as common in the fish examined.

Number 3, 4, 5 and 6 were reported rare in the fish examined.

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Map showing recaptures of planted small-mouthed bass in Douglas Lake. 1939.  
 Red circles indicate location of recaptures.  
 Red numbers within the circles indicate the number of small-mouthed bass caught in that locality.

