

SUMMARY OF TAGGING OPERATIONS

July 1, 1959 through June 30, 1960

Bureau of Commercial Fisheries Biological Laboratory

U. S. Fish and Wildlife Service, Woods Hole, Mass.

60-01

Prepared by:

Sterling L. Cogswell, Fishery Methods and Equipment Specialist

**Woods Hole Laboratory
Report Number 60-1**

A summary of fish tagged by the Woods Hole Laboratory of the U. S. Bureau of Commercial Fisheries and by the State Conservation Departments of New York and New Jersey, and the Rhode Island State University in cooperation with this Laboratory.

Shown here are - type of tag, location on fish, number series, area where tagged, date of tagging, number of fish tagged, and gear used in collecting fish for tagging.

CONTENTS

<u>Species</u>	<u>Number tagged</u>	<u>Pages</u>
Dogfish	112	1
Redfish	362	2
Scup (Porgy)	4,752	3
Alewives	149	8
	<hr/>	
TOTAL	5,375	

DOGFISH

Page 1

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Single white Petersen, looped through base of first dorsal fin w/yel- low flexible vinyl tubing	E2025-E2098 (except E2050's and E2080's)	Massachusetts Bay, Stellwagen Bank and off Highland Light to 30 mi. East	5Z	Oct. 19-23, 1959	54	<u>Delaware, otter trawl</u>
do.	E2099-E2109	N. E. Peak of Georges Bank	5Z	Oct. 26, 1959	10	<u>Delaware, otter trawl</u>
do.	E2110-E2118	Buzzards Bay, Mass.	5Z	Nov. 24, 1959	9	<u>Minkette (charter), otter trawl</u>
Yellow spaghetti, looped thru base of first dorsal fin	J1366-J1374	Buzzards Bay, Mass.	5Z	Nov. 24, 1959	9	<u>Minkette (charter), otter trawl</u>
White Petersen, looped thru base of first dorsal fin w/yel- low flexible vinyl tubing	E2119-E2130	66 mi. So. of Block Island, R. I.	5Z	Dec. 11, 1959	12	<u>Delaware, otter trawl</u>
do.	E2132-E2149	Great Harbor, Woods Hole, Mass.	5Z	May 25, 1960	18	From trap, Buz- zards Bay
TOTAL					<u>112</u>	

REDFISH

Page 2

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Atkins, looped thru dorsum w/ flexible vinyl tubing	B0500-B0539	Eastport Harbor, Maine	5Y	October, 1959	40	Rod and reel
Dart-spaghetti, in dorsum	H602-H606	do.	5Y	October, 1959	5	Rod and reel
do.	H610-H627	do.	5Y	Dec. 1959	18	Rod and reel
Petersen disc, thru dorsum	D8097-D8102	do.	5Y	Dec. 1959	6	Rod and reel
Dart-spaghetti, in dorsum	H608-H609	do.	5Y	Feb. 1960	2	Rod and reel
do.	H803-H858	do.	5Y	Feb. 1960	56	Rod and reel
do.	H859-H896	do.	5Y	March, 1960	38	Rod and reel
do.	H897-H1032	do.	5Y	April, 1960	136	Rod and reel
do.	H1033-H1093	do.	5Y	May, 1960	61	Rod and reel
TOTAL					<u>362</u>	

The following section of the scup summary shows fish which were tagged primarily for a comparison study of types of tags, and variations in their attachment to the fish.

The 1,629 fish shown (Massachusetts) are part of a total of 2,500; the remainder of which will appear in the 1960-1961 Summary.

For simplification, the types and variations are coded and shown as follows in the column "Kind of tag."

Type A	Type B	Type C	Type D	Type E
Petersen discs yellow, paired (one serially numbered, one message) attached by stainless steel pin through dorsum.	Dart-spaghetti (nylon double barbed dart) inserted in yellow vinyl tubing, 3-1/2 inches in length, serially numbered and marked with message attached in dorsum with special tool.	Atkins, single attached through dorsum by yellow vinyl tubing, with terminal end tied in single figure eight knot, trailing.	Atkins, double same as Type C, but with <u>double</u> figure eight knot.	Atkins, looped same as Type C, but with vinyl tubing tied in loop over back of fish, instead of trailing.

The above coded reference is for this group of scup only.

SCUP

Page 4

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Type C	C8331-C8351 C8361-C8370 C8381-C8390 C8411-C8440 C8461-C8470	Guisset Harbor, Mass. (Buzzards Bay side of Cape Cod)	5Z	May 23, 1960	81	Trap
Type D	C8371-C8380 C8391-C8410 C8441-C8450 C8491-C8500 C8511-C8530 C8541-C8549	Buzzards Bay, off Guisset Harbor, Cape Cod, Mass.	5Z	May 27, 1960	81	Trap
Type A*	NA25200-NA25296	do.	5Z	May 27, 1960	80	Trap
Type C	C8451-C8460 C8471-C8490 C8501-C8510 C8531-C8540 C8551-C8580	do.	5Z	June 1, 1960	80	Trap
Type B	H1220-H1300	do.	5Z	June 1, 1960	80	Trap
Type D	C8581-C8660	Guisset Harbor, Mass. (Buzzards Bay side of Cape Cod)	5Z	June 7, 1960	79	Trap
Type A	D8601-D8680	do.	5Z	June 7, 1960	79	Trap
Type C	C8661-C8750	Great Harbor, Woods Hole, Mass.	5Z	June 16, 1960	90	Trap
Type D	C8751-C8800 C8861-C8890	do.	5Z	June 16, 1960	80	Trap

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Type A	D8681-D8760	Great Harbor, Woods Hole, Mass.	5Z	June 16, 1960	79	Trap
Type B	H1301-H1380	do.	5Z	June 16, 1960	80	Trap
Type E	B6101-B6180	do.	5Z	June 21, 1960	80	Trap
Type B	H1386-H1466	do.	5Z	June 21, 1960	81	Trap
Type E	B6181-B6260	do.	5Z	June 23, 1960	78	Trap
Type B	H1467-H1547	do.	5Z	June 23, 1960	80	Trap
Type A	D8761-D8900	Buzzards Bay, off Quisset Harbor, Cape Cod, Mass.	5Z	June 27, 1960	140	Trap
Type C	B8891-B8999	do.	5Z	June 27, 1960	108	Trap
Type D	B0540-B0630	Great Harbor, Woods Hole, Mass.	5Z	June 28, 1960	90	Trap
Type B	H1548-H1630	Buzzards Bay, off Quisset Harbor, Cape Cod, Mass.	5Z	June 28, 1960	83	Trap
SUBTOTAL (Massachusetts)					<u>1,629</u>	

The following part of the summary shows scup (porgy) tagged by biologists from the New York State Conservation Department Laboratory at Freeport, Long Island (Great Peconic Bay tagging), by the State of New Jersey Department of Conservation and Development (Sandy Hook Bay, and Cape May tagging), and alewives tagged by the Rhode Island State University, at Kingston, Rhode Island (Narrow River tagging).

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Atkins, thru dorsum, att. w/flexible vinyl tubing, trailing	B1000-B1258	Great Peconic Bay, Long Island, N. Y.	---	**May 18, 1959	259	Otter trawl
do.	B1259-B1473	do.	---	**May 19, 1959	195	Otter trawl
do.	B1454-B1499	do.	---	**May 20, 1959	46	Otter trawl
SUBTOTAL (New York)					<u>500</u>	
Atkins, thru dorsum, att. w/flexible vinyl tubing, trailing	B1601-B1861	Sandy Hook Bay, N. J.	---	August 3, 1959	261	Otter trawl
do.	B1862-B1999 B3121-B3221	do.	---	August 4, 1959	239	Otter trawl
do.	B2000-B2422	do.	---	August 27, 1959	423	Otter trawl
do.	B2423-B2861	do.	---	August 28, 1959	439	Otter trawl
do.	B3001-B3120 B3222-B3238 ***B5000-B5085	do.	---	Sept. 1, 1959	223	Otter trawl
do.	B2862-B2936 B3239-B3409 B5086-B5200	do.	---	Sept. 3, 1959	361	Otter trawl

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Atkins, thru dorsum, att. w/flexible vinyl tubing, trailing	B2937-B3000 B3410-B3600 ***B5201-B5400	Sandy Hook Bay, N. J.	---	Sept. 8, 1959	455	Otter trawl
do.	B3601-B3822	Cape May, N. J.	---	Sept. 22, 1959	222	Otter trawl

SUBTOTAL (New Jersey)

2,623

TOTAL

4,752

- * White Petersen discs
- ** Not included in 1958-1959 Summary
- *** Attached w/green monofilament nylon line

ALEWIVES

Page 9

<u>Kind of tag</u>	<u>Number series</u>	<u>Location</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
Atkins, thru dorsum, att. w/flexible vinyl tubing, trailing	C8811-C8860 B4001-B4099	Mouth of Narrow River, Kingston, R. I.	5Z	*April 29-30, 1959	149	Trap
TOTAL					<u>149</u>	
* Not included in 1958-1959 Summary						
TOTAL ALL SPECIES					5,327	

866 - 10/31/60