

SUMMARY OF TAGGING OPERATIONS

July 1, 1960 through June 30, 1961

Bureau of Commercial Fisheries Biological Laboratory

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

Prepared by:

Sterling L. Cogswell, Fishery Methods and Equipment Specialist

WOODS HOLE LABORATORY
REPORT NO. 61-12

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 Massachusetts and New Jersey, 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 - - - - -	88	1
Fluke - - - - -	2491	2
Redfish - - - - -	396	4
Scup (Porgy) - - - - -	790	6
Winter Flounder - - - - -	<u>400</u>	8
TOTAL		4165

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>
Yellow spaghetti looped through base of first dorsal fin	J5039 - J5069	50 mi. south of Block Island, Rhode Island	5Z	Oct. 26-27, 1960	28	<u>Delaware otter trawl</u>
do	J5070 - J5099	do	5Z	Jan. 29, 1961	30	do
do	J1400 - J1402	do	5Z	Jan. 29, 1961	3	do
do	J1403 - J1414	Hudson Canyon, 80 mi. south of Long Island, New York	--	Mar. 24, 1961	12	do
do	J1415 - J1429	50 mi. south of Block Island, Rhode Island	5Z	Mar. 26, 1961	15	do
TOTAL					<hr/> 88	

FLUKE

<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>
Tagged by the State of New Jersey Department of Conservation and Economic Development in coordination with this Laboratory.						
Atkins spaghetti through dorsum	B3824 - B3848	Sandy Hook Bay, New Jersey	--	Sept. 23, 1960	25	Otter trawl
do	B5575 - B5599	do	--	Sept. 23, 1960	25	Otter trawl
do	B3849 - B4000	Hereford Inlet, Cape May, New Jersey	--	Oct. 14, 1960	152	Otter trawl
do	B4301 - B4340	do	--	Oct. 14, 1960	40	Otter trawl
do	B5553 - B5574	do	--	Oct. 14, 1960	22	Otter trawl
do	B5600 - B5700	do	--	Oct. 14, 1960	101	Otter trawl
do	B4341 - B4399	do	--	Oct. 18, 1960	59	Otter trawl
do	B4700 - B4818	do	--	Oct. 18, 1960	118	Otter trawl
do	B5701 - B5850	do	--	Oct. 18, 1960	149	Otter trawl
SUBTOTAL (New Jersey)					<hr/> 691	

<u>Kind of tag</u>	<u>Number series</u>	<u>Locatiôn</u>	<u>ICNAF Conv. Area</u>	<u>Date tagged</u>	<u>Number of fish</u>	<u>Remarks</u>
These fish were tagged at stations beginning at a point 80 miles south of Chatham, Cape Cod, Massachusetts, and extending in a line west to a point 80 miles south of Montauk Point, Long Island, New York.						
Petersen disc through nape	F1228 - F1277	15 mi. west of Veatch Canyon	5Z	Mar. 31, 1961	50	<u>Delaware otter trawl</u>
do	F1278 - F1282	7 mi. west of Veatch Canyon	5Z	Mar. 31, 1961	5	do
do	F1283 - F1288	7 mi. west of Hydro- grapher Canyon	5Z	Mar. 31, 1961	6	do
do	F1289 - F1302	Block Canyon (Fish Tail)	5Z	Apr. 1, 1961	14	do
do	F1303 - F3000	Between Hudson and Block Canyons	5Z	Apr. 2-6, 1961	1,638	do
do	D37500 - D37579	do	5Z	do	80	do
do	D37580 - D37586	do	5Z	Apr. 6, 1961	7	do
SUBTOTAL					<hr/>	1,800
TOTAL						2,491

REDFISH

<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>
Dart spaghetti in dorsum	H1094 - H1219	Eastport Harbor, Maine	5Y	August 1960	126	Rod and reel
do	H1800 - H2011	do	5Y	August 1960	212	Rod and reel
do	H2020 - H2041	do	5Y	Sept. 1960	22	Rod and reel
do	H2042 - H2077	do	5Y	April 1961	36	Rod and reel
TOTAL					<u>396</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 scup shown (Massachusetts) are part of a total of 2,420; the remainder of which appeared in the 1959-1960 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 figure eight knot.</u>	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

<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 B	H1631 - H1727	Great Harbor, Woods Hole, Mass.	5Z	July 26, 1960	97	Trap
Type A	D8901 - D9020	Great Harbor, Woods Hole, Mass.	5Z	July 26, 1960	120	Trap
Type E	B6261 - B6297	Great Harbor, Woods Hole, Mass.	5Z	July 29, 1960	37	Trap
Type D	B0630 - B0700	Buzzards Bay, off Quissett	5Z	Aug. 10, 1960	66	Trap
Type E	B6298 - B6400	Buzzards Bay, off Quissett	5Z	Aug. 11, 1960	102	Trap
Type C	C7400 - C7542	Buzzards Bay, off Quissett	5Z	Aug. 12, 1960	143	Trap
Type D	C7100 - C7199	Buzzards Bay, off Quissett	5Z	Aug. 12, 1960	100	Trap
Type C	C7044 - C7049	Buzzards Bay, off Quissett	5Z	Aug. 25, 1960	6	Trap
Type E	C7543 - C7617	Buzzards Bay, off Quissett	5Z	Aug. 25, 1960	73	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 E	C7010, 7011, 7613,	Laky's Cove, Vine- yard Sound	5Z	Sept. 21, 1960	3	Rod and reel
Type E	C7614, 7618, 7619	do	5Z	Sept. 21, 1960	3	Rod and reel
Type E	C7020 - C7039	do	5Z	Sept. 21, 1960	19	Rod and reel
Type E	C7000 - C7019	Hadley's Harbor, Woods Hole	5Z	Sept. 27, 1960	17	Rod and reel
Type E	C7030	do	5Z	Sept. 27, 1960	1	Rod and reel
Type E	C7040, 7041, 7042	do	5Z	Sept. 27, 1960	3	Rod and reel
TOTAL					<u>790</u>	

WINTER FLOUNDER

Page 8

<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>
Tagged by the Commonwealth of Massachusetts Department of Natural Resources, Division of Marine Fisheries, in a coordinated program with this Laboratory.						
Yellow Petersen disc through dorsum under first dorsal ray	A1 - A400	Boston Harbor, Quincy Bay, area	5Z	Apr. 18, 1961	400	Otter trawl
TOTAL					400	
TOTAL ALL SPECIES					4,165	

#1003 - 18 Dec. 1961