TAGS RELEASED DURING THE FINAL LEGS OF
U.S.S.R.-U.S. COOPERATIVE CRUISES
IN 1990 AND 1991

by

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THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:


ABSTRACT

Data is provided to the Commission on tag releases that have not been previously reported from 1990 and 1991 U.S.S.R.-U.S. cruises. In the final leg of the 1990 U.S.S.R.-U.S. cooperative tagging cruise, 31 tagged salmon were released in the vicinity of 54°N, 160°W in mid-July. In the final leg of the 1991 U.S.S.R.-U.S. cooperative tagging cruise, 5 tagged salmon were released in mid-June in the vicinity of 51°N, 173°W.

INTRODUCTION


In 1990 and 1991 U.S. scientists participated with Soviet scientists in portions of salmonid sampling and tagging programs in the North Pacific. Data on tag releases and other information from the first portions of those cruises have been reported previously (Walker et al. 1990, 1991). I report here data on tag releases made after U.S. scientists disembarked.

This report provides information promised in previous documents to complete the reports of the 1990 and 1991 surveys. Information on the vessel, gear, and sampling methods of the 1990 and 1991 cruises are found in the earlier reports.

RESULTS

Only two sets were made on the final, fifth leg of the 1990 cruise. Basic salmonid catch and tag release data from these sets are presented in Table 1. Forty-four salmon were caught, of which 31 from one of the sets were tagged (1 sockeye, 19 chum, and 11 pink) in the vicinity of 54°N, 160°W in mid-July.

In the third, final leg of the 1991 cruise two sets were also made (Table 2). No salmon were caught in the first set. Five salmon (3 chum and 2 pink) were caught in the other set; all five were tagged and released in mid-June in the vicinity of 51°N, 173°W.

ACKNOWLEDGMENTS

I would like to thank Anatoly Dekshtein of TINRO (Kamchatka Branch) for provision of the information in this report, and to express our appreciation to TINRO for many years of mutually beneficial salmon research cruises. Funding for the U.S. portion of this work was provided by the Auke Bay Laboratory, Alaska Fisheries Science Center, U.S. National Marine Fisheries Service (contract No. 50ABNF100027).
LITERATURE CITED


Table 1.  Salmonid catches and tag releases by seine net, final leg of U.S.S.R.-U.S. cooperative high seas salmonid research on R/V Nemirov, 1990.
Tags in the "AA" series are 3/4" red and white disk tags; tags in the "A" series are 1 3/4" red anchor tags.

<table>
<thead>
<tr>
<th>Set No.</th>
<th>Date</th>
<th>N. Lat.</th>
<th>Long.</th>
<th>T. (C)</th>
<th>Salmonid catch</th>
<th>Tag releases</th>
<th>Tag serial numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red</td>
<td>Chum</td>
<td>Pink</td>
</tr>
<tr>
<td>N37</td>
<td>7/17</td>
<td>54-25</td>
<td>160-11W</td>
<td>10.0</td>
<td>5</td>
<td>20</td>
<td>12</td>
</tr>
<tr>
<td>N38</td>
<td>7/24</td>
<td>49-22</td>
<td>161-10E</td>
<td>11.8</td>
<td>0</td>
<td>4</td>
<td>0</td>
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<tr>
<td>Leg 5 totals:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>24</td>
<td>12</td>
</tr>
</tbody>
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Table 2.  Salmonid catches and tag releases by seine net, final leg of U.S.S.R.-U.S. cooperative high seas salmonid research on R/V Nemirov, 1991.
Tags in the "Z" series are 3/4" red and white disk tags.

<table>
<thead>
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<th>Date</th>
<th>N. Lat.</th>
<th>Long.</th>
<th>T. (C)</th>
<th>Salmonid catch</th>
<th>Tag releases</th>
<th>Tag serial numbers</th>
</tr>
</thead>
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<td></td>
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<td></td>
<td>Red</td>
<td>Chum</td>
<td>Pink</td>
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<td>5/23</td>
<td>51-18</td>
<td>173-24W</td>
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<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Leg 3 totals:</td>
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<td></td>
<td>0</td>
<td>3</td>
<td>2</td>
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