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

by

Robert V. Walker

FISHERIES RESEARCH INSTITUTE  
School of Fisheries  
College of Ocean and Fishery Sciences  
University of Washington  
Seattle, Washington 98195

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

## **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**

The United States and the U.S.S.R. cooperated in a high seas salmonid sampling and tagging program from 1983 to 1991 (Harris 1983, 1984, 1985; Kautsky and Harris 1986; Walker et al. 1988, 1989, 1990, 1991; Walker and Myers 1990). This document presents information not previously reported on tags released in 1990 and 1991. Data were provided by the U.S.S.R.'s Pacific Research Institute of Fisheries and Oceanography (TINRO).

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.

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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.

Set No.	Date	Location		Surf. T. (C)	Salmonid catch							Tag releases							
		N. Lat.	Long.		Red	Chum	Pink	Coho	King	Sthd.	Total	Red	Chum	Pink	Coho	King	Sthd.	Total	Tag serial numbers
N37	7/17	54-25	160-11W	10.0	5	20	12	0	2	0	39	1	19	11	0	0	0	31	AA435-AA440,AA442, AA444-AA465,A294,A121
N38	7/24	49-22	161-10E	11.8	0	4	0	1	0	0	5	0	0	0	0	0	0	0	
Leg 5 totals:				5	24	12	1	2	0	44	1	19	11	0	0	0	31		

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.

Set No.	Location		Surf. T. (C)	Salmonid catch							Tag releases								
	Date	N. Lat.		Long.	Red	Chum	Pink	Coho	King	Sthd.	Total	Red	Chum	Pink	Coho	King	Sthd.	Total	Tag serial numbers
N13	data		missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
N14	5/23	51-18	173-24W	0	3	2	0	0	0	5	0	3	2	0	0	0	5	5	Z051-Z055
Leg 3 totals:				0	3	2	0	0	0	5	0	3	2	0	0	0	5	5	