

FISHERY RESEARCH



FEDERAL AID
IN
FISH RESTORATION

LOWER SNAKE RIVER FISH AND WILDLIFE COMPENSATION PLAN
Identification of Lower Snake River Fish and Wildlife
Compensation Plan Hatchery-Reared Fish Stocks
Contract No.: 14-16-0001-86505
Period Covered: October 1, 1985 to September 30, 1986

By

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INTRODUCTION

Chinook salmon and steelhead trout originating from Lower Snake River Compensation Plan (LSRCP) hatcheries will constitute a significant portion of anadromous runs returning as adults to Idaho. Comprehensive evaluation will be required to properly manage the LSRCP programs and the wild stocks with which these stocks are intermingled. Evaluation requires the ability to identify individual fish that are harvested, return to the hatchery, or otherwise collected. Coded wire tagging will be used to mass mark juvenile salmon and steelhead prior to release.

OBJECTIVES

1. To mark with coded wire tags and appropriately fin clip approximately 350,000 chinook salmon and steelhead trout at the five, producing, LSRCP rearing facilities.
2. To process returned tags and provide information to interested entities.

METHODS

Project personnel coded wire tagged and fin clipped chinook salmon and steelhead trout juveniles at Idaho LSRCP hatcheries. An attempt was made to mark representative production groups, or groups for which special management information was needed.

Chinook salmon and steelhead trout snouts were removed from **appropriately** fin marked salmon and steelhead either in the harvest, or at hatchery racks. Coded wire tags within the snouts were removed and decoded. The information was entered on the existing coded wire tag data base.

RESULTS

Table 1 summarizes chinook salmon and steelhead trout tagged and released from LSRCP hatcheries. An additional 315,000 salmon were marked at the McCall facility in conjunction with the U.S.-Canada program evaluating contribution to downstream ocean fisheries.

Table 2 summarizes the coded wire tag groups and numbers recovered during the study period. More detailed information regarding how, when and where each tag was recovered can be obtained from the Department's coded wire tag recovery lab, Lewiston, Idaho.

Table 1. Summary of LSRCP-reared chinook salmon and steelhead trout coded wire tagged and released in 1986.

Species	Hatchery	Tag code	Number tagged and released
Chinook salmon	Sawtooth	10/28/45	37,550
		10/28/46	38,300
	McCall	10/30/12	105,325 ^a
		10/30/11	104,675 ^a
		10/30/10	105,375 ^a
		10/28/12	39,800
		10/28/04	8,800
	Dworshak	10/28/43	41,850
		10/25/20	41,075
	Steelhead trout	Hagerman	10/28/20
10/28/42			35,475
10/28/05			8,650
10/28/01			9,450
10/28/44			39,125

^aMarked in conjunction with the U.S.-Canada program

Table 2. Summary of coded wire tags recovered and processed during the period between October 1, 1985 and September 30, 1986.

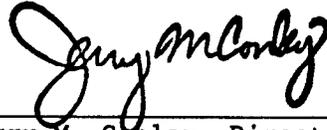
Steelhead trout		Chinook salmon	
Data code	Number	Data code	Number
5/10/20	1	10/24/08	15
5/10/21	3	10/24/58	18
5/10/24	11	10/24/59	11
5/10/25	17	10/24/63	3
5/10/26	3	10/25/18	28
5/10/27	7	10/25/35	9
5/10/28	21	10/26/33	34
5/10/29	68	10/26/35	2
5/13/33	6	10/27/08	217
5/13/34	4	10/2709	181
5/13/35	9	10/27/38	90
5/13/36	62		
5/13/49	13		
5/13/50	39		
5/13/51	25		
5/13/52	20		
10/24/04	3		
10/24/60	12		
10/25/16	11		
10/25/17	23		
10/25/19	270		
10/27/44	49		
10/27/45	157		
10/27/45	193		
10/28/06	4		
10/28/07	2		
23/16/16	1		
23/16/17	8		
23/16/19	12		
23/16/20	5		
23/16/38	7		
23/16/39	5		
23/16/40	8		
23/16/46	1		
23/16/52	2		
63/28/38	7		
63/28/39	1		
63/32/12	3		
63/32/13	1		
63/32/14	3		
63/32/15	8		

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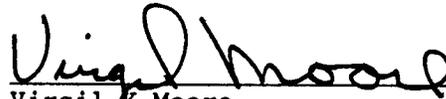
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