

ANNUAL REPORT

Hagerman, Idaho NFH

Fiscal Year 1980

INTRODUCTION

The Hagerman National Fish Hatchery rears steelhead trout for release in Idaho's Salmon River as a part of the Lower Snake River Fish and Wildlife Compensation Plan. Snake River fall chinook salmon are reared, as a part of the "egg bank" program, for release in the lower Snake River above its confluence with the Columbia River. Rainbow trout are reared for the Fort Hall, Idaho Indian Reservation, and Forest Service and Bureau of Land Management waters in southern Idaho.

STATION OPERATIONS

A very successful Snake River fall chinook salmon program was experienced with ninety-two per cent of salmon received as eyed eggs being released as forty per pound, 4½ inch, smolts. This markedly improved success, over previous years, is attributed primarily to utilization of the Oregon Moist Pellet as the diet.

The station evaluated the use of self-feeders, or demand feeders, on both rainbow trout and steelhead trout. Results were very impressive; steelhead weight gain was thirty per cent better and conversions were seventeen per cent lower as compared to conventional hand feeding. Unit cost of the demand feeder is approximately \$103 with three feeders per eighty foot raceway.

There were no disease problems during the year. IPN continues to be identified by the Hatchery Biologist but mortalities do not occur; primarily due to maintaining low fish rearing densities during the critical three-to five-inch size range.

COOPERATION WITH OTHER AGENCIES

Station personnel continued to work closely with the Walla Walla District, Corps of Engineers regarding data and information for the station expansion as a part of the Lower Snake River Compensation Plan. According to the Corps' plans the expansion construction should commence in summer 1981.

Boise State University, Boise, Idaho entered into a contract with the Corps of Engineers to evaluate the archeological significance of the Hagerman hatchery grounds. This evaluation was necessary prior to any disruption of the site through construction of expanded facilities. Findings of the evaluation indicated presence of significant cultural artifacts and, as a result, further archeology investigations are necessary prior to construction.

Close cooperation existed with the Idaho Cooperative Fisheries Unit regarding steelhead and fall chinook salmon nose-tagging operations and release dates. Cooperation with Idaho Fish & Game also occurred relative to the nose-tagging operations as Department personnel conduct the tagging program.

CYCLICAL MAINTENANCE

The exterior wood of quarters seven was resided with aluminum siding, at a cost of \$1,800, to eliminate a severe paint peeling problem.

Auxiliary wood-burning furnaces were installed in the four residences at a cost of \$4,400.

VISITORS

It is estimated that 10,000 visitors toured the hatchery during the year. Station personnel presented several slide-talks to school, civic and professional groups. A local television station did a two-part series on the hatchery operation and the plans for the expansion of the hatchery.

Bureau of Sport Fisheries and Wildlife
Division of Fish Hatcheries

Station

HATCHERY PRODUCTION SUMMARY

Hagerman National Fish Hatchery
Period covered
Oct. 1, 1979 through Sept. 30, 1980

Species and Lot	FISH ON HAND END OF MONTH				FISH SHIPPED THIS F.Y.	GAIN THIS F.Y.	FISH FEED EXPENDED		Conversion	UNIT FEED COST			T. U. per Inch	T. U. to Date	Length Increase 30 day month Inches
	Number	Weight	Length				Number	Weight		Pounds	Cost	Per Lb.			
1	2	3	4		5	6	7	8	9	10	11	12	13	14	
STP															
9-DW-69	0	0	8.641		31.2	1,990	3,040	690.05	1.53	0.35	49.41	19.87	150.50	0.000	
RBT															
9-SA-70	0	0	11.421		18.1	7,592	8,650	1,734.51	1.14	0.23	113.42	14.45	152.00	0.000	
STP															
9-DW-71	0	0	9.237		119.7	21,065	37,790	8,606.92	1.79	0.41	93.45	21.97	179.50	0.000	
STP															
9-DW-72	0	0	8.457		305.7	49,532	91,970	23,031.71	1.86	0.47	87.99	21.34	157.50	4.807	
RBT															
9-YWA-73	0	0	12.316		456.8	104,435	144,595	64,588.35	1.39	0.62	468.31	14.38	164.00	1.218	
RBT															
9-SA-74	0	0	1.447		75.7	77	125	36.56	1.62	0.48	0.49	14.43	9.50	0.000	
RBT															
9-WSS-75	0	0	1.018		67.8	13	25	7.32	1.92	0.56	0.14	30.81	7.50	0.000	
FCS															
0-YWA-76	0	0	3.866		225.9	4,270	6,850	2,354.50	1.60	0.55	8.92	23.67	57.00	0.049	
RBT															
0-SA-77	2.6	914	9.583		538.6	6,286	9,390	2,129.27	1.49	0.34	120.80	12.29	107.00	1.643	
TOTALS															
AVERAGES															

Density Index 0.128

Flow Index 0.402

Total Flow 17,706

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	Number	Weight	Length	Number			Pounds	Cost		Per lb.	Per 1000			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
RBT														
0-SA-78	11.4	1,160	6,304	21.2	1,440	1,920	390.84	1.33	0.27	27.49	13.13	70.50	1.273	
STP														
0-YTD-79	843.5	27,639	4,583	0	27,445	31,356	8,432.66	1.14	0.31	9.99	16.68	61.00	1.053	
STP														
0-YTD-80	74.0	1,236	3,661	0	1,217	1,487	399.00	1.22	0.33	5.40	19.73	54.50	0.871	
STP														
0-DW-81	66.2	898	3,415	0	870	1,287	345.30	1.48	0.40	5.22	21.73	51.00	0.675	
TOTALS	997.7	31,847		1,860.8	226,232	338,485	112,746.99	1.50	0.50	39.44	18.80	93.96	1.122	
AVERAGES			4,469											