

ANNUAL REPORT
HAGERMAN, IDAHO NATIONAL FISH HATCHERY
F.Y. 1983

INTRODUCTION

Hagerman, Idaho National Fish Hatchery is located along the Snake River in southern Idaho's "thousand springs" area. Steelhead trout are reared, as part of the Lower Snake River Compensation Plan (Public Law 94-587), for release into Idaho's Salmon River. Spring chinook and fall chinook salmon are also reared to aid in replenishing these depleted stocks in the lower Snake River system.



HAGERMAN NATIONAL FISH HATCHERY
WITH SNAKE RIVER IN BACKGROUND

STATION OPERATIONS

1. Fiscal

Salaries	\$180,581
Fish Feed	77,667
Supplies and Materials	140,566
Utilities	11,108
GSA Motor Pool	<u>16,571</u>
	\$426,493

Total cost to produce one pound of fish was \$2.00. Labor cost to produce one pound of fish was \$0.85.



NEW HATCHERY BUILDING IN FOREGROUND
AND STEELHEAD RACEWAY(66) IN
CENTER OF PICTURE

2. Labor

Hatchery Staff

Hatchery Manager	Dave Bruhn
Assistant Hatchery Manager	Tom Shaw
Hatchery Assistant (Typing)	Bea Martindale
Fishery Biologist	Tom Pruitt
Animal Caretaker Leader	Floyd Hoffman (retired)
Motor Vehicle Operator	Mike Jacobson
Motor Vehicle Operator	Bill Olson
Maintenance Worker	Larry Moats

Production per staff year of labor totaled 27,990 pounds production.

3. Fish Cultural Operations

(a). Eggs Received

<u>Species</u>	<u>Number</u>	<u>Source</u>	<u>Brood Year</u>
Steelhead - A's	778,000	Pahsimeroi	'83
Steelhead - B's	712,000	Pahsimeroi	'83
Spring Chinook Salmon	120,800	Rapid River	'82
Spring Chinook Salmon	148,000	Kooskia	'82
Fall Chinook Salmon	149,000	Dworshak	'82
Rainbow Trout	74,000	White Sulpher, W.Va.	'82
Rainbow Trout	68,000	Ennis, MT	'82
Rainbow Trout	798,000	Shasta, CA	'83
Cutthroat Trout	103,000	Big Timber, MT	'83

(b). Production (releases)

<u>Species</u>	<u>Number</u>	<u>Weight</u>
Steelhead	424,400	131,380 lbs.
Spring Chinook	269,800	8,895 lbs.
Fall Chinook	79,000	1,800 lbs.
Rainbow Trout	752,000	30,638 lbs.

Total pounds of gain (all species) was 212,725.

3. Fish Cultural Operations (Cont'd)

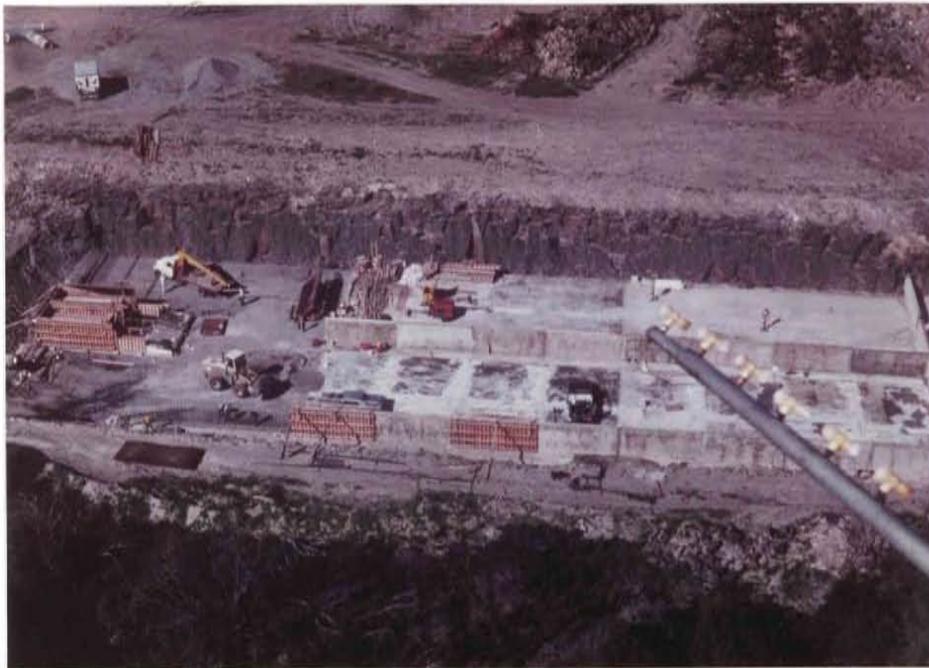
(c). Distribution Past Four Years

<u>Year</u>	<u>Species</u>	<u>Lot</u>	<u>Number</u>	<u>Weight (lbs)</u>
1983	STT	2-UID-98	196,700	65,671
	STT	2-UID-95	227,800	65,710
	FCS	2-Ds-03	79,000	1,800
	SCS	2-UID-01	95,400	2,725
	SCS	2-Ds-99	174,400	6,170
	Rbt	3-UCA-04	657,400	7,525
	Rbt	2-En-02	56,500	13,154
	Rbt	2-Ws-00	35,500	8,658
1982	Cutt	2-UMT-97	40,900	600
	FCS	2-UWA-96	227,200	2,435
	Rbt	2-YCA-94	507,500	8,047
	FCS	1-Ds-93	452,100 477,400	11,398
	Rbt	1-En-92	85,500	16,056
	Rbt	1-WS-91	53,200	21,796
	STT	1-Dw-90	52,400	8,560
	STT	1-YID-89	462,400	187,725
	STT	1-YID-88	64,300	15,432
	Rbt	1-YCA-86	11,300	6,850
	FCS	1-YWA-85	70,200	1,463
	FCS	1-DW-84	111,000	2,842
	1981	Rbt	1-YCA-87	257,400
Rbt		1-YCA-86	184,300	2,634
Rbt		0-En-83	82,900	25,774
Rbt		0-Ws-82	41,700	12,319
STT		0-DW-81	45,600	7,000
STT		0-YID-80	60,400	15,625
STT		0-YID-79	869,000	159,131
Rbt		0-SA-78	9,700	3,769
Rbt		0-SA-77	2,900	980
FCS		1-Dw-84	111,000	2,842
FCS	1-YWA-85	70,200	1,463	

3. Fish Cultural Operations (Cont'd)

(c). Distribution Past Four Years (Cont'd)

<u>Year</u>	<u>Species</u>	<u>Lot</u>	<u>Number</u>	<u>Weight(lbs)</u>
1980	Rbt	O-SA-78	21,200	288
	Rbt	O-SA-77	538,700	5,573
	FCS	O-YWA-76	226,000	4,490
	Rbt	9-Ws-75	68,000	29
	Rbt	9-SA-74	75,000	93
	Rbt	9-YWA-73	456,800	104,611
	STT	9-Dw-72	305,800	55,275
	STT	9-Dw-71	119,700	26,065
	Rbt	9-SA-70	18,100	8,487
	STT	9-Dw-69	31,200	4,350



EFFLUENT SEDIMENTATION PONDS
UNDER CONSTRUCTION

4. Major Accomplishments

Hagerman National Fish Hatchery has been rearing steelhead since 1979 and in 1983-84 Idaho is experiencing the largest return of adult steelhead since 1938. Undoubtedly this hatchery has played a role in contributing to this important steelhead success story.

The hatchery's participation in the Snake River fall chinook salmon egg bank program has resulted in significant marked returns of these salmon.

COOPERATION WITH OTHER AGENCIES

Construction activity during 1983 required daily contact and cooperation with the Corps of Engineers; from their local project office to their Clarkston, Washington construction office to the Walla Walla district engineer's office. There were also numerous contacts with Idaho Fish and Game Department; Idaho Cooperative Fisheries Unit, Moscow, Idaho; and the Service's Tunison Nutrition Laboratory.

CYCLICAL MAINTENANCE AND REHABILITATION

The deteriorated roof and supporting framework covering the domestic spring were replaced at a cost of \$2,100.

CONSTRUCTION

The Corps of Engineers, as a part of the Lower Snake River Compensation Plan, rebuilt and expanded the hatchery in 1983 at a cost of \$6.6 million dollars. New facilities include 78 raceways, hatchery-feed storage building, pollution abatement facilities, pipelines, water collection structures and administration-visitor center building.

I & R PROGRAM/YOUTH PROGRAMS

Due to the extensive construction activity the hatchery was closed to the public in 1983. Likewise, there were no youth program activities in 1983.

DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE

HATCHERY PRODUCTION SUMMARY

Station

Hagerman National Fish Hatchery

Period Covered
October 1, 1982 through September 30, 1983

Species and Lot	Density Index			Flow Index			Total Flow					Length in crease 30 day month Inches	
	Fish on hand End of Month		Length	Fish shipped this F.Y. Number	Gain this F.Y. Weight	Fish Feed Expended		Conversion	Unit Cost	T.U. Per Inch	T.U. Date		
	Number	Weight				Pounds	Cost						Per lb.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
RBT-2-													
YCA-94	0	0	14.441	3.1	1,545	2,780	561.19	1.80	0.36	341.95	9.97	135.50	0.000
STT-2-													
UID-95	0	0	9.463	330.6	62,739	91,315	19,919.66	1.46	0.32	81.72	20.12	170.50	0.000
STT-2-													
UID-98	0	0	9.983	285.7	61,627	87,932	18,735.87	1.43	0.30	93.76	18.41	165.50	0.000
RBT-2-													
WS-00	0	0	10.699	35.5	8,651	15,062	3,075.90	1.74	0.36	217.65	12.21	122.00	0.000
RBT-2-													
EN-02	0	0	10.433	56.5	13,141	23,032	4,720.26	1.75	0.36	165.35	13.56	130.50	0.000
SCS-2													
DS-99	0	0	4.913	87.2	2,955	6,000	1,655.31	2.03	0.56	19.25	25.05	89.5	0.000
TOTALS													
AVERAGES													

DEPARTMENT OF THE INTERIOR
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	Number	Weight							Per lb.	Per 1000			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SCS-2-													
UID-01	0	0	4.587	95.4	2,654	5,088	1,399.26	1.92	0.53	14.73	24.22	80.00	0.000
RBT-3-													
UCA-04	0	0	3.267	657.4	7,301	7,021	1,848.33	0.96	0.25	3.50	14.38	34.00	0.000
FCS-2-													
DS-03	0	0	4.256	78.9	1,704	3,110	921.18	1.83	0.54	11.97	18.36	54.00	0.000
STI-3													
UID-05	650.3	24,838	4.823	0	24,609	30,111	7,962.49	1.22	0.32	12.25	19.34	74.00	0.699
STI-3-													
UID-06	706.7	25,213	4.714	0	25,012	29,674	7,885.90	1.19	0.32	11.16	17.97	68.00	0.848
CUTT-3													
UMT-07	76.0	806	3.147	0	787	1,301	355.63	1.65	0.45	4.70	26.62	61.00	0.415
TOTALS	1,432.9	50,857		1,630.2	212,725	302,426	69,040.98	1.42	0.33	22.54	18.35	98.71	0.654
AVERAGES			4.680										