

# HAGERMAN NATIONAL FISH HATCHERY

**Fiscal Year 2007**

## **Summary of Operations and Expenditures**



## **INTRODUCTION**

The Hagerman National Fish Hatchery (Hatchery) is located along the Snake River, about 30 miles west of Twin Falls, Idaho at a point three miles south and two miles east of Hagerman, Idaho. The Hatchery was authorized by 46 Stat, 371 on May 21, 1930 and was established in 1932. Construction of the physical facilities commenced in 1932; fish production began in 1933. The primary goal of the Hatchery, at that time, was the production of rainbow trout for stocking in Idaho, eastern Oregon, and northern Nevada.

In the late 1970s the Hatchery became part of the Lower Snake River Compensation Plan (LSRCP) which was authorized by the Water Resources Development Act of 1976, Public Law 94-587. The LSRCP is designed to mitigate for fish and wildlife losses caused by the construction of four dams on the lower Snake River. For its part in the LSRCP program, the Hatchery's primary production goal was changed from resident rainbow trout to steelhead trout. The Hatchery was extensively remodeled during 1984 to accommodate this change.

There are 78 outside raceways at the Hatchery. Of these, 66 are devoted to LSRCP steelhead production and 12 are reserved for other programs which the Fish and Wildlife Service (Service) deems appropriate. During Fiscal Year (FY) 2007, rainbow trout for the Dworshak Reservoir Mitigation program were reared in these raceways. Other major facilities include two hatchery-rearing buildings with a total of 60 rearing tanks, a water chiller building, an administration-visitor facility building, a combination shop/four-stall garage, four residences, an oil/paint storage building, and two general storage buildings.

The Hatchery's water supply emanates from the Eastern Snake Plain Aquifer via a complex of springs at a constant 59 degrees Fahrenheit with a flow rate of approximately 30,000 gallons per minute.

Co-located within the Hatchery grounds is the Hagerman Fish Culture Experiment Station (HFCES). This research facility is owned and operated by the University of Idaho. The water rights and diversions for this facility are owned by the Fish and Wildlife Service and administered through the Hatchery.

## **STATION OPERATIONS**

The LSRCP established a mitigation goal for the Hatchery program of 13,600 adult steelhead returning above Lower Granite Dam. However, within the framework of the LSRCP, specific objectives and tasks for the Hatchery's steelhead production program are established through a high degree of interagency coordination. Results of this coordination affect certain aspects of the program such as total number and strain reared, time and size at release, and location of release. During FY 2007, the LSRCP office coordinated the Salmon River Annual Operating Plan with the Idaho Department of Fish and Game (IDFG), the Shoshone/Bannock Tribes, and the Nez Pierce Tribe. This planning process is used to accomplish and document the Hatchery's steelhead production coordination.

The Hatchery also produces rainbow trout for the Dworshak Reservoir Mitigation program as an in-kind exchange with the IDFG. The trout are released into southern Idaho reservoirs; fish reared at the IDFG Nampa State Fish Hatchery are released into Dworshak Reservoir. The program calls for releasing sub-catchable trout in the spring and catchable trout in the fall. The Hatchery conducts relevant coordination on this program directly with the IDFG resident trout programmatic staff.

## **FISH CULTURE OPERATIONS**

Pertinent fish rearing information for all species held on station during FY 2007 is presented in Table 1.

### **Steelhead**

#### Brood Year (BY) 2007 Steelhead

Three stocks of BY 2007 summer steelhead were programmed for the 2008 release year. Since the Hatchery does not have the capability to capture anadromous brood stock on site, eyed eggs are obtained from other spawning and incubation facilities. Table 2 provides the number of eggs received by species and strain during FY 2007.

The IDFG marking crew adipose clipped and Coded Wire Tagged (CWT) the hatchery steelhead during August 6-11<sup>th</sup> using three Mass Automated Trailer System (MATS) units. The Hatchery and IDFG Crews worked double shifts to complete marking in six days. The double shifts reduced on the travel costs incurred by the IDFG marking crew. However, the short marking window (6 days) made it difficult for the Hatchery to rear all steelhead to the optimal marking size of 100 fish per pound (fpp). The Hatchery received BY 2007 eggs over a four week time period and attempted to squeeze all the marked steelhead into 100 fpp target size during the 6-day marking period in August. Similar to the 2006 marking using the MATS units in August, the Hatchery staff again observed the fish to heal faster with less severe skin erosion in the dorsal and caudal areas. The Hatchery will continue to recommend that steelhead marking be conducted during early August; however, the marking window should be lengthened to two weeks.

The Hatchery's production goal remained at 1,450,000. The Hatchery will continue monitoring oxygen, ammonia, and fish health to determine whether or not the Hatchery is near its carrying capacity. As part of carrying capacity the Hatchery Evaluation Team (HET) has undertaken a study to compare Smolt to Adult Returns (SARs) of steelhead reared on the upper deck (1<sup>st</sup> use water) compared to the lower deck (3<sup>rd</sup> use water). The IDFG marking crew placed 40,000 CWT's in two Sawtooth raceways in the upper deck and 40,000 CWT's in two Sawtooth raceways in the bottom deck. The HET will continue this tagging protocol for 5 years/2011. The evaluation of this study will provide insight into serial reuse water quality as it relates to smolt quality.

## Brood Year 2006 Steelhead

The BY2006 Clearwater stock (both release groups) struggled with soreback problems during late October and early November. However, the soreback cleared up during late November and mortalities decreased. Overall, that portion of the Clearwater stock, destined for the Little Salmon River, did very well with low mortality through the spring until release. However, the East Fork Salmon River group experienced elevated mortality through the month of April. This group was held on station four weeks longer (Table 3.).



The Hatchery repeated the Production Capacity Assessment (PCA) experiment from BY2005 with BY2006 steelhead. Using data from BY2005 and BY2006, the PCA bioassay estimated maximum production capacity at a Flow Index of 1.47 or 12.6 pounds/gpm. The maximum production capacity was estimated at the first point the steelhead smolt growth was inhibited. In an effort to address the Hatchery's declining water supply and its affect on steelhead rearing, the Hatchery Evaluation Team conducted an analysis of the Hatchery's carrying capacity. The full report, entitled *Production Capacity for Summer Steelhead Produced at Hagerman National Fish Hatchery*, may be found on the Hatchery's web site.

<http://www.fws.gov/hagerman/documents/HET/ProductionCapacityAssessmentFinalReport.pdf>

Brood Year 2006 Steelhead Distribution

The Hatchery released 1,461,421 steelhead smolts into the upper Salmon River, East Fork Salmon River, Yankee Fork Salmon River, Little Salmon River, and Hazard Creek (all tributaries of the Snake River) in Idaho. Table 3 provides the number of steelhead released by stock and site.



Hazard Creek



Sawtooth Weir



Stinky Springs



East Fork



Yankee Fork Acclimation Pond #1



Yankee Fork Acclimation Pond #4

## Rainbow Trout

The Hatchery received triploid rainbow trout eggs from the IDFG Hayspur State Fish Hatchery in December 2006 and January 2007 (Table 2). Both lots of eggs were taken from 2-year old broodstock because the 3-year old broodstock at Hayspur were found to be BKD positive. December eggs (112,000) were earmarked for spring fingerling production and January eggs (61,500) were obtained for the fall catchable commitment. Both the spring and fall release trout eggs were incubated in Hatchery Building #2. The spring fingerling group experienced a poor hatching success (79.8%) which may have been attributed to the lower fecundity rates of the two-year old broodstock. However, during the remainder of the hatchery rearing cycle, the spring fingerlings exhibited good survival (95% swim-up to release). The hatchery crew transferred this group of fish into the Trout Raceways in March and subsequently released them late May into Cascade Reservoir as five-inch fingerlings (Table 4).

The fall catchable trout were transferred from Hatchery 32 into the bottom deck Steelhead Raceways on April 6<sup>th</sup>, below the remaining BY 2006 steelhead. Daily mortalities increased significantly within two weeks of the transfer to the Steelhead Raceways and remained elevated through May and June. The fall trout were transferred again on June 19<sup>th</sup> to the Trout Raceways to make room for the incoming BY 2007 steelhead. On June 26<sup>th</sup>, Kathy Clemens, Idaho Fish Health Center, diagnosed the fall trout with moderate to high concentrations of the parasites, *Costia* and *Gyrodactylus*, on the gills and slime in addition to a *Nucleospora salmonis* infection. Kathy recommended a formalin treatment to control these parasites. In response, the Hatchery administered a flow-through formalin treatment at 167 ppm for one hour on July 2<sup>nd</sup>. Mortality from the treatment was 1,200 and mortalities started to subside about three weeks after the treatment. The fall trout survival from egg to release was 60.0% during BY 2007. Several factors may be attributed to the poor fall trout survival:

1. Lower fecundity of 2-year old brood stock eggs.
2. Stress from moving from Hatchery 2 into the Steelhead Raceways.
3. Potential pathogen load shedding from BY 2006 steelhead in the upper two decks.
4. Potential increased prevalence of *Nucleospora salmonis*.
5. Stress from move to Trout Raceways from the Steelhead Raceways.
6. Mortality associated to *Costia* and *Gyrodactylus* infestations.
7. Instantaneous and delayed mortality associated with formalin treatment for external parasites.

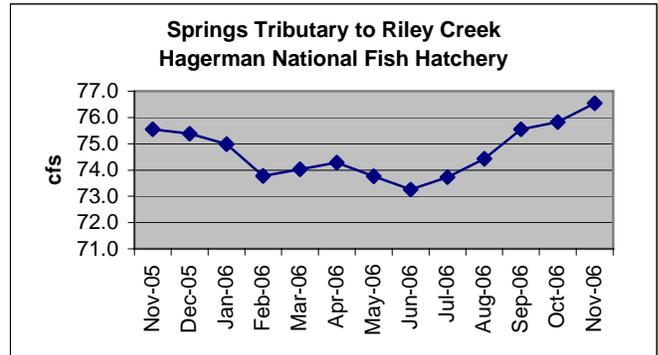
To address the poor survival problems and continued concerns with diminishing spring water supplies for steelhead and rainbow trout production (Figure 1), the Hatchery will adjust the rainbow trout rearing strategy in FY 2008. Spring and Fall trout eggs will be requested for delivery on December 24<sup>th</sup>, 2007. The trout egg request from Hayspur FH will be 150,000 eggs to produce 90,000 spring fingerlings and 40,000 fall catchable trout.

## Hatchery Practices

### Hatchery Water Supply and Water Rights

At the end of November 2006 total flow was 76.5 cfs; 0.9 CFS above the observed flow in November 2005. Depicted in the chart to the right, this seasonal increase is typical and, is most likely due to the recharge affect of the irrigation season. However, overall water supply continued to decline during FY 2007 (Figure 1.). Since 1999 the rate of decline has been as high as 1 cfs per year. The water supply has ranged from 10 to 16% below the Service's water rights. If such a decline continues, adjustments to fish production numbers may be required as soon as brood Year 2009. In the interim, the Hatchery will continue its annual production goal with monthly monitoring of smolt health and water management.

### Annual Fluctuation of Hatchery Water Supply



During Fiscal Year 2007, the Hatchery Project Leader spent a significant amount of time attending meetings and briefings regarding water issues affecting the Hatchery. At every opportunity, information regarding the LSRCP hatchery steelhead program was presented to ensure program needs will be addressed during development of the Eastern Snake Plain Aquifer Management Plan (Plan). The Fish and Wildlife Service supports development of the Plan as a means to provide long term stability of the aquifer.

For the short term, the Service will continue to seek opportunities for mitigation for injury of its water rights. Options may include acquisition of water rights from willing sellers in the Thousand Springs/ESPA locations and/or renting 4 cfs of water from Brailsford Ditch Association (BDA) as part of an Idaho Department of Water Resources (IDWR) approved mitigation plan. The Hatchery would provide replacement water to the BDA via the Riley Creek pump back system.



In anticipation of operation of the Riley Creek pump back system, the Hatchery successfully negotiated with Idaho Power Company to change the classification of the pump from a commercial to irrigation rate classification, resulting in 0.0312 cents per kWh charge reduction. The reduced cost represents a considerable potential savings for the Hatchery. In addition, the Hatchery had the pump serviced to ensure proper operation.

In an effort to maintain water quality and quantity, the Hatchery pursued a land acquisition opportunity. The parcel was a neighboring 11.64 acres, up gradient of the Hatchery's springs. It included one home, several out buildings, well, and septic system. It is bordered on two sides by Hatchery property. Other potential partners in the

acquisition included Idaho Department of Fish and Game, Idaho Fish and Wildlife Foundation, the Southern Idaho Land Trust, and the BLM. Upon completion of the appraisal by the Department of Interior, the Division of Realty made an offer to the land owner. Unfortunately, the land owner declined.

## **FISCAL OPERATIONS**

### Personnel

Table 5 provides a summary of staffing for the Hatchery for FY 2007. In April, Mark Olson, Assistant Project Leader, GS 0482/11, transferred to Region 2 to assume the position of Project Leader, Willow Beach National Fish Hatchery. Nathaniel Wiese, Fish Biologist, GS 0482/09 was selected as the new Assistant Project Leader in May.

### Training

Table 6 provides a summary of training received by the Hatchery employees during FY 2007.

### Fiscal Data

Table 7 presents an itemization of Hatchery expenditures for FY 2007.

## **FACILITIES MAINTENANCE AND CAPITAL OUTLAY**

### Damboard Replacement



The middle deck damboards were replaced in July 2007 as part of routine maintenance. The bottom deck damboards and all splashboards will need to be replaced in FY 2008. In addition, the raceway expansion joints will need to be cleaned and caulked with Sikoflex within the next few years.

## Contaminants



The presence of PCB contamination has been confirmed in paint chips obtained from a concrete block wall at the Hatchery. The wall, a remnant from the old Hatchery #1 building, was left in place as a retaining wall during the building's demolition. The assay revealed the PCB aroclor 1250 present at 2090 mg/kg. Hatchery staff contained the wall with a sheet of visquine tarpaulin to prevent the contaminated material from further weathering and migrating to other locations around the Hatchery. Region 1 Engineering is looking into remediation of the issue.



Environmental Quality, indicated no presence of PCB contamination downstream of the Hatchery.

Sampling of Riley Creek sediment by the Office of Environmental Assessment, Environmental Protection Agency (EPA), and Idaho Department of

## Hatchery Shop

Wickham Pipeline Construction, Inc. completed the shop roofing project. The roof decking was still in good condition and did not need to be replaced. The contractors removed and disposed of the old shingles and then installed felt underlayment, 30-year shingles, and a metal drip edge on the roof.



## **OTHER ITEMS OF INTEREST**

### **Aquatic Nuisance Species**

#### New Zealand Mud Snail Research

Researchers from the University of Idaho (UI) and the US Geological Survey (USGS) conducted studies to evaluate the efficiency of using the Krebs Engineering Hydrocyclone® to remove New Zealand mudsnails (*Potamopyrgus antipodarum*) from a Hatchery water supply. Preliminary tests indicated this device may be an effective means for removing this aquatic nuisance species from a water supply. Jordan Nielson, UI graduate student, was onsite during the summer months to conduct more rigorous studies. Dr.



Christine Moffitt and Dr. Barnaby Watten, both USGS Scientists, are responsible for project oversight. The project was jointly funded between the Service's Aquatic Nuisance Species program and the Lower Snake River Compensation Plan. A report on the test may be obtained by contacting the Hatchery.

#### Hazard Analysis and Critical Control Point (HACCP)

The Hatchery continues to operate under the protocols established in its Aquatic Nuisance, HACCP Plan for control of the New Zealand Mud Snail. The Hatchery staff conduct periodic checks for the presence of this snail in fish stomachs and intestinal tracts during the Idaho Fish Health Center routine fish health exams. No snails were found in fish sampled during 2007. According to Service policy, the presence of the snail in the Hatchery's water supply limits the distribution of steelhead smolts to within the Salmon River Drainage.

#### College of Southern Idaho Cooperative Internship Agreement

During 2007 the Hatchery continued operation of its long standing Cooperative Agreement with the College of Southern Idaho (CSI), Twin Falls, Idaho, and the Idaho Aquaculture Association. The Hatchery first established the Cooperative Agreement in 1994. It is designed to provide undergraduate students, enrolled in the Fisheries Technology program at CSI, an opportunity to gain conservation hatchery experience while completing their required coursework. Mr. Kevin Kincaid worked from March through the end of the 2007 fiscal year and plans to continue his



internship with the Hatchery into fiscal year 2008.

### Bliss Rapids Snail (*Taylorconcha serpenticola*)

The Hatchery staff met with representatives of the Ecological Services (ES) Snake River Fish and Wildlife Office, Boise, to discuss issues regarding the National Pollution Discharge Elimination System (NPDES) permit, the Bliss Rapids snail (listed as threatened under the Endangered Species Act), and issues related to managed recharge of the Eastern Snake Plain Aquifer. The ES staff agreed to complete a status report to guide the Hatchery staff regarding its operations to reduce affects on the snail. During the station visit, the ES staff had a chance to survey additional snail habitat at the Hatchery and found two more sites that contain populations of the Bliss Rapids snail. The two sites are small drains, one located north and west of the Hatchery Shop and one north of the Trout Raceways. The ES staff also met with Gary Fornshell, University of Idaho Extension Aquaculture Educator, and Gary Marquardt, Idaho Aquaculture Association, to discuss the current status of the NPDES permit as it relates to the role the ES office has for Section 7 consultation with EPA.

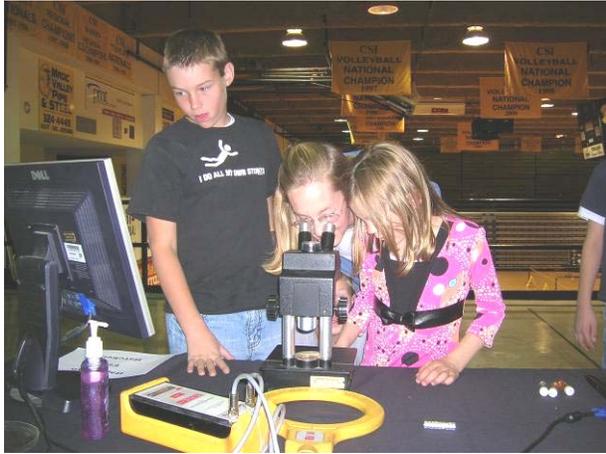


Photos by Bob Kibler and Dave Hopper FWS

### Wildland Fire Control and Suppression

The Hatchery Project Leader continued to represent the Service as one of the Federal partners in the South Central Idaho Interagency Dispatch Center (SCIIDC), Bureau of Land Management (BLM), for wildland fire prevention and suppression. In lieu of funding, the Hatchery has arranged with the SCIIDC to provide in-kind services in the form of a temporary work detail at the dispatch center. Anna Ray, Fisheries Program Assistant, participated in a one-day detail for the Jim Sage fire as a part of the graveyard-shift dispatch team. The USFWS in-kind value from this detail was \$244.83.

## Outreach and Partnerships



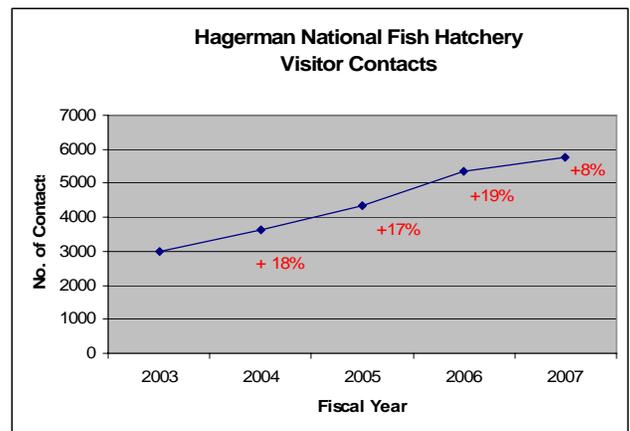
operated by the IDFG; and provided staff for booths at the Boise Sportsman Show and the College of Southern Idaho Science Expo (pictured above).

The Hatchery also works in close cooperation with the National Parks Service (NPS), Hagerman Fossil Beds, to conduct both on and off-site education programs for local elementary schools. The FY 2007 met a record high for these programs which will address the Fish And Wildlife Service Director's "Connecting Children with Nature" Directive. Other cooperators in these endeavors include the Idaho Department of Parks and Recreation, the Idaho Department of Fish and Game, the Minidoka National Wildlife Refuge, and the NPS, Craters of the Moon National Monument.

The Hatchery's Web-Site is an important outreach tool. During FY 2007, Nathan Wiese remained responsible for maintaining and updating information on the site. A documents section has been added to include reports in .PDF format relevant to Hatchery operations. The Hatchery's web address is: <http://www.fws.gov/hagerman/>.

The chart to the left illustrates the increase in the number of visitor contacts made in recent years with the Hatchery Outreach Program. The numbers represent visitor logs, formal tours, guests, and both on-site and off-site school programs.

Community and partner outreach continues to be an important focus for the Hatchery. As in past years, Hatchery staff provided numerous guided tours of the facility and entertained large school groups for day long and multi-day activities. FY 2007 marked the thirteenth consecutive year for the Hatchery hosting the Hagerman Elementary School program entitled "Hatchery Activities With Kids" (HAWK). During FY 2007 the Hatchery continued its involvement in: the "Hagerman Fossil Days" parade; co-hosted a Free Fishing Day event with the Hagerman State Fish Hatchery,



# Hagerman National Fish Hatchery

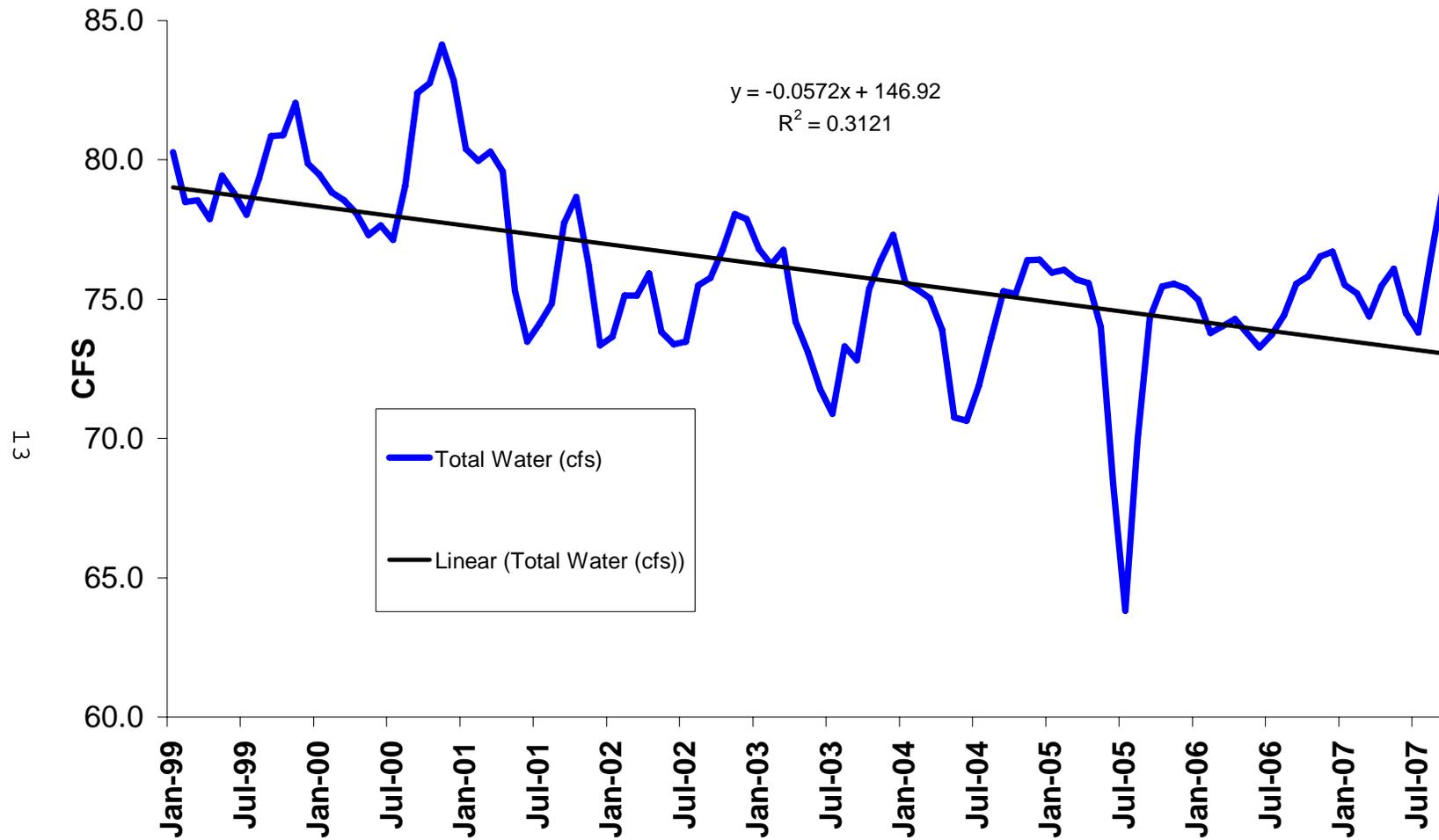


Figure 1. Monthly average spring flow at Hagerman NFH, 1999-2007 (cfs)

# Hagerman National Fish Hatchery

Table 1. Hatchery Production Summary as of September 30, 2007

Station: Hagerman National Fish Hatchery					PERIOD COVERED: Oct 1, 2006 THRU Sept 30, 2007					
Species/Strain & Lot Number	Fish on Hand:				To Date Totals:					
	Number	Weight	Length	D.I.	F.I.	Weight Gain	Feed	Feed	Conv.	Percent Survival
							Pounds	Costs		
<b>SST-SAW-06-ID-117</b>	0	0	0.00	0.00	0.00	223,200	226,746	\$71,801.73	1.02	95.24
<b>SST-PAW-06-ID-116</b>	0	0	0.00	0.00	0.00	38,598	40,280	\$12,805.74	1.04	91.92
<b>SST-CRW-06-ID-115</b>	0	0	0.00	0.00	0.00	37,459	40,415	\$12,822.11	1.08	94.82
<b>SST-SAW-07-ID-120</b>	1,031,252	27,545	4.16	0.05	0.46	27,137	24,699	\$11,340.52	0.91	96.70
<b>SST-PAW-07-ID-121</b>	199,814	6,564	4.46	0.05	0.46	6,564	5,738	\$2,559.65	0.87	95.95
<b>SST-CRW-07-ID-122</b>	209,231	6,194	4.31	0.05	0.46	6,194	5,543	\$2,487.25	0.89	97.16
<b>RBT-KT-07-ID-118</b>	0	0	0.00	0.00	0.00	6,340	5,315	\$2,163.08	0.84	94.96
<b>RBT-T9/KT-07-ID-119</b>	38,091	12,700	8.92	0.27	0.36	12,685	16,275	\$5,638.78	1.28	63.04
<b>Total/Averages</b>	<b>1,478,388</b>	<b>53,003</b>	2.73	0.05	0.22	<b>395,168</b>	<b>365,511</b>	<b>\$121,780.86</b>	<b>0.92</b>	<b>91.22</b>

## Hagerman National Fish Hatchery

**Table 2. Eyed eggs received at Hagerman NFH during Fiscal Year 2007**

Species	Stock	Lot No.	No. Eggs	% Survival to Hatch
Rainbow Trout	Hayspur T9 Triploid	RBT-T9-07-ID (Lot 118)	112,290	79.8%
Rainbow Trout	Hayspur T9 Triploid	RBT-T9-07-ID (Lot 119)	61,500	98.3%
<b>Total</b>			<b>173,790</b>	
Steelhead	Pahsimeroi <sup>1</sup>	SST-PAW-07-ID (Lot121)	209,945	97.7%
Steelhead	Sawtooth <sup>2</sup>	SST-SAW-07-ID (Lot 120)	1,121,477	98.3%
Steelhead	Clearwater <sup>3</sup>	SST-CRW-07-ID (Lot 122)	198,125	99.0%
<b>Total</b>			<b>1,529,547</b>	

<sup>1</sup> Spawned at Pahsimeroi Fish Hatchery and incubated at Sawtooth Fish Hatchery.

<sup>2</sup> Spawned and incubated at Sawtooth Fish Hatchery.

<sup>3</sup> Spawned at Dworshak NFH and incubated at Clearwater Fish Hatchery.

## Hagerman National Fish Hatchery

**Table 3. Steelhead Distribution During Fiscal Year 2007**

Lot / Strain	Type of release	River/Site	Weight (lbs)	Number	#/lb	Length		Date(s)
						in	mm	
<b><u>117 SST-SAW-06-ID</u></b>								
		<b><u>Salmon River</u></b>						
Sawtooth	Direct	Sawtooth Fish Hatchery Weir	195,904	821,364	4.19	8.64	219	4/09/07 - 4/30/07
Sawtooth	Direct	Yankee Fork	53,365	247,856	4.64	8.35	212	5/03/07 - 5/09/07
<b><u>116 SST-PAW-06-ID</u></b>								
		<b><u>Little Salmon River</u></b>						
9T Pahsimeroi	Direct	Little Salmon River @ Hazard Creek Bridge	33,104	150,115	4.53	8.42	214	3/26/07 - 4/04/07
Pahsimeroi	Direct	Lower Hazard Creek	10,955	47,014	4.29	8.57	218	4/02/07
<b><u>115 SST-CRW-06-ID</u></b>								
		<b><u>Little Salmon River</u></b>						
Clearwater	Direct	Little Salmon River @ Hazard Creek Bridge	20,575	92,522	4.50	8.44	214	4/04/07 - 4/06/07
		<b><u>East Fork Salmon River</u></b>						
Clearwater	Direct	Lower East Fork	22,345	102,551	4.59	8.38	213	5/01/07 - 5/02/07
<b>Total</b>			<b>336,248</b>	<b>1,461,421</b>				

## Hagerman National Fish Hatchery

**Table 4. Rainbow Trout Distribution During Fiscal Year 2007**

Lot / Strain	Reservoir	Site	Weight (lbs)	Number	Length (in)	Date(s)
<b>Lot 118 RBT-T9-07-ID</b>	Cascade Reservoir	City Ramp	2,445	31,540	5.49	5/10/07
<b>Lot 118 RBT-T9-07-ID</b>	Cascade Reservoir	SugarLoaf	3,895	50,256	5.49	5/10/07
<b>Total</b>			<b>6,340</b>	<b>81,796</b>		

# Hagerman National Fish Hatchery

**Table 5. Report of Station Personnel During Fiscal Year 2007**

<b>Part I - Permanent Personnel (FTE's: 7.58 )</b>				
<b>Name of Employee</b>	<b>Functional Title</b>	<b>Grade</b>	<b>Period Worked</b>	<b>Remarks</b>
Bryan Kenworthy	Project Leader Fish Biologist (Supervisory)	GS0482/12/09	10/01/2006 - 09/30/2007	
Mark A. Olson	Fish Biologist (Supervisory)	GS0482/11/02	10/01/2006 – 04/28/2007	Trans. to R2, Willow Beach NFH
Robert James Brandon	Animal Caretaker	WG5048/05/04	10/01/2006 - 09/30/2007	
Brian P. Clifford	Motor Vehicle Operator	WG5703/08/05	10/01/2006 - 09/30/2007	
Stephen W. Money	Maintenance Mechanic	WG4749/10/05	10/01/2006 - 09/30/2007	
Anna M. Ray	Fisheries Program Assistant	GS0303/06/07	10/01/2006 - 09/30/2007	
Nathaniel J. Wiese	Fish Biologist	GS0482/09/02	10/01/2006 - 05/26/2007	
Nathaniel J. Wiese	Fish Biologist (Supervisory)	GS0482/11/01	05/27/2006 - 09/30/2007	Promotion to Asst. Project Leader
Eric W. Willet	Motor Vehicle Operator	WG5703/06/05	10/01/2006- 09/30/2007	
<b>Part II - Temporary Personnel (FTE's: 0.0 )</b>				

# Hagerman National Fish Hatchery

**Table 6. Personnel Training during Fiscal Year 2007**

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**R. James Brandon:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage month) – 10/19/2006  
EEO/Diversity Training/Video – “500 Nations” (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
Norco – Respirator & Qualitative Fit Test” – 12/26 & 28/2006  
DOI LEARN “2007 Federal Information System Security Awareness” – 04/13/2007  
DOI LEARN “2007 Discrimination and Whistleblowing in the Workplace (No Fear)” - 07/18/2007

**Brian Clifford:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
EEO/Diversity Training/Video – “500 Nations” (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
Norco – Respirator & Qualitative Fit Test” – 12/26 & 28/2006  
DOI LEARN “2007 Federal Information System Security Awareness” – 05/21/2007  
DOI LEARN “2007 Discrimination and Whistleblowing in the Workplace (No Fear)” - 07/19/2007

**Bryan Kenworthy:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
FEMA IS-00100 “Introduction to the Incident Command System (ICS 100) – November 8, 2006  
North West Fish Culture Conference – December, 2006  
NPS Tel-Net Annual Ethics Training – 11/16/2006  
FEMA IS-00700 “National Incident Management System (NIMS) an Introduction – December 12, 2006  
EEO/Diversity Training/Video – “500 Nations” (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
DOI LEARN “2007 Federal Information System Security Awareness” – 04/13/2007  
DOI LEARN “2007 Discrimination and Whistleblowing in the Workplace (No Fear)” - 06/26/2007  
NCTC TelNet Broadcast – “The Color of Tomorrow – 06/27/2007  
Review of “Written Training Document: Risky Issues in Ethics” – August 14, 2007

# Hagerman National Fish Hatchery

**Table 6. Personnel Training during Fiscal Year 2007**

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**Stephen Money:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
FEMA IS-00100 “Introduction to the Incident Command System (ICS 100) – December 15, 2006  
EEO/Diversity Training/Video – “500 Nations” (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
Norco – Respirator & Qualitative Fit Test” – 12/26 & 28/2006  
DOI LEARN “2007 Federal Information System Security Awareness” – 04/13/2007  
DOI LEARN “2007 Discrimination and Whistleblowing in the Workplace (No Fear)” - 06/25/2007  
Region 1 Heavy Equip. Training “Forklift Operator train-the-trainer” – August 22, 2007

**Mark A. Olson:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
Region 1 – “SAMMS” – 11/08/2006  
DOI LEARN – “Records Management Awareness – 11/14/2006  
NPS Tel-Net Annual Ethics Training – 11/16/2007  
North West Fish Culture Conference (Committee) – December, 2006  
FEMA IS-00100 “Introduction to the Incident Command System (ICS 100) – December 13, 2006  
FEMA IS-00700 “National Incident Management System (NIMS) an Introduction – December 13, 2006  
EEO/Diversity Training/Video – “500 Nations” (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
CON 110 “Mission Support Planning” (Web by Defense Acquisition University) {2.3 CEUs or 23 CLPs} – 01/11/2007  
Region 1 – “SAMMS Refresher Training” – 01/23-25/2007  
“Project Leader Academy” / 2weeks at NCTC – February 5-16, 2007  
DOI LEARN “2007 Federal Information System Security Awareness” – 04/12/2007

**Anna M. Ray:**

EEO/Diversity Training/Video – “Latin Dreams” (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
CON 112 [Mission Performance Assessment](#) (Web by Defense Acquisition University) – 11/02/2006  
FEMA IS-00100 “Introduction to the Incident Command System (ICS 100) – November 8, 2006

# Hagerman National Fish Hatchery

**Table 6. Personnel Training during Fiscal Year 2007**

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**Anna M. Ray (continued):**

FEMA IS-00700 "National Incident Management System (NIMS) an Introduction – December 14, 2006  
EEO/Diversity Training/Video – "500 Nations" (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
BLM & DAU - CON 120 [Contracting for Mission Support](#) {62 CLP or 6.2 CEUs} – March 5-16, 2007  
DOI LEARN "2007 Federal Information System Security Awareness" – 04/11/2007  
Region 1 – "BTS Update Training" – 06/12-13/2007  
DOI LEARN "2007 Discrimination and Whistleblowing in the Workplace (No Fear)" - 06/27/2007  
NBC "QuickTime Employee WBT" – 08/22/2007  
NBC "QuickTime Timekeeper WBT – 08/22/2007

**Nathaniel Wiese:**

EEO/Diversity Training/Video – "Latin Dreams" (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
North West Fish Culture Conference (Committee/Presenter) – December, 2006  
EEO/Diversity Training/Video – "500 Nations" (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
Management detail at Makah NFH February 1-20, 2007  
DOI LEARN "2007 Federal Information System Security Awareness" – 04/17/2007  
NCTC TelNet Broadcast – "The Color of Tomorrow – 06/27/2007  
Fred Pryor "Excelling as a First-Time Supervisor" – 06/29/2007  
DOI LEARN "2007 Discrimination and Whistleblowing in the Workplace (No Fear)" - 07/11/2007  
"Integrated Charge Card Program Charge Card Holder Travel & Purchase Training" – July 12, 2007  
"Integrated Charge Card Program Approving Official Training" – July 25, 2007  
DOI LEARN "Ethics for New Supervisors" – 09/11/2007  
Fred Pryor Seminars "Successful Solutions for Unacceptable Employee Behavior" – 09/25/2007

**Eric Willet**

EEO/Diversity Training/Video – "Latin Dreams" (viewed by crew during luncheon to celebrate Hispanic Heritage Month) – 10/19/2006  
EEO/Diversity Training/Video – "500 Nations" (viewed by crew to celebrate Native American Heritage month) – 12/18/2006  
Norco – Respirator & Qualitative Fit Test" – 12/26 & 28/2006  
DOI LEARN "2007 Federal Information System Security Awareness" – 04/13/2007  
DOI LEARN "2007 Discrimination and Whistleblowing in the Workplace (No Fear)" - 06/25/2007

# Hagerman National Fish Hatchery

**Table 7a. LSRCP Funding Fiscal Year 2007**

	+	-	Balance	Comments
<b><u>Operations 14230-1936-0300:</u></b>	<b>\$832,032</b>			
Salaries, OT, Awards, Benefits		\$532,596		
Travel/Tuition		\$10,610		
NZMS Study (OFT 11/15/06)		\$296		
Utilities		\$17,767		
Steelhead Fish Food		\$59,367		
All Distribution		\$40,491		
Production Expense		\$23,285		
Repairs & Maintenance		\$36,503		
Les Schwab - Transport Aluminum				
Rims		\$8,361		
Sawtooth Door - Shop Fire Doors &				
Locks		\$2,097		
Tag International - Speed Bumps		\$2,789		
Brock - Feed Bin Safety Ladder Cage		\$1,109		
G&G Sales - Grasshopper Aera-vator		\$3,807		
Fuels & Oils		\$7,609		
Office Admin/Misc. Services		\$20,438		
CSI Coop. Agreement		\$6,500		
Outreach		\$2,576		
<b>Total Operation Expenses:</b>		<b>(\$776,202)</b>	<b>\$55,830</b>	

22

(continued next page)

# Hagerman National Fish Hatchery

**Table 7a. LSRCP Funding Fiscal Year 2007 (continued)**

		+	-	Balance	Comments
<b>Total Operation Expenses Balance Forward:</b>		<b>\$55,830</b>			
<b>Capital Outlay:</b>					
Wickham - Re-roof Shop Bldg 10181/7/M365			(\$2,475)		
Pioneer Floors - Qtrs Carpet 10181-7- M369/01			(\$9,664)		+ \$1,900 paid through 8610 account
<b>Total OFT Carried Forward to FY2008:</b>			-	<b>\$43,691</b>	\$10K for ADA Display Pond
	*	* * * * *	* * * * *	* * * * *	
<b>Cooperator Assistance Sub-account:</b>					
MVFH Dist. Trucks w/drivers 14230-1936- 0021:		<b>\$102,864</b>	-		
Niel Ring #10181-6-M231			(\$102,864)	\$0	returned additional unused \$4,179
			-		
			-		
<b>Prior-Year Funded Sub-accounts:</b>					
Sed Pond 14230-1936-0306		<b>\$53,445</b>	-		
Five Rivers Construction #10181-6- Y256			(\$53,445)	\$0	
			-		

# Hagerman National Fish Hatchery

**Table 7b. Other Funding Sources Fiscal Year 2007**

	+	-	Balance	Comments
<b><u>Operations:</u></b>				
Dworshak Mitigation RBT 14230-1932-1019:	\$35,000.00	(\$35,000.00)	\$0.00	
Quarters Funding 14230-8610-0000:				
FY2006-Prior Year Carryover	-\$1,009.97			
Collections	\$15,798.17			
Overhead deductions @ 21% Region 1 OFT in support of Window Replacement	\$11,000.00	(\$3,317.62)		
General Expenditures		(\$1,410.52)		
Hayes - Qtrs. Windows #10181-6-M476		(\$19,560.00)		
Pioneer Floors - Quarter Carpets #10181-7- M639		(\$1,900.00)		
FY2007- Carry forward:			(\$399.94)	
Watchable Wildlife Grant / IDF&G 14230-1702- 1003	\$3,000.00	\$0.00	\$3,000.00	
WUI Disc Fire Line 14610-9264-A740	\$509.50	(\$509.50)	\$0.00	
Wickham - Pipeline Phase2 10190-1936-0305 #10181-7-C343	\$132,380.00	(\$128,191.00)	\$4,189.00	
				+ \$9,664 paid through 1936 account
				To be expended in FY2008