HAGERMAN NATIONAL FISH HATCHERY

Fiscal Year 2005

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, and 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 1970's 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 102 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 deems appropriate. During Fiscal Year 2005, rainbow trout for the Dworshak Reservoir Mitigation program were reared in these raceways. The remaining 24 raceways are not in use at this time due to the Hatchery's diminishing water supply and their deteriorated condition. Other major facilities include two hatchery-rearing buildings with a total of 60 rearing tanks, 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 Easter 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. This research facility is owned and operated by the University of Idaho.

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. The Brood Year (BY) 2004 production goal for the Hatchery was 1,290,000 smolts at a target size of 4.2 fish per pound (180-250 mm). During FY2005 the LSRCP office, in concert with the Idaho Department of Fish and Game (IDFG), the Shoshone/Bannock Tribes and the Nez Pierce Tribe initiated the Salmon River Annual Operating Plan as the official process to accomplish and document this coordination.

The Hatchery also produces rainbow trout for the Dworshak Dam Mitigation program as an in-kind exchange with the IDFG. These fish are stocked into southern Idaho reservoirs; fish reared at the Nampa State Fish Hatchery are stocked into Dworshak Reservoir. The program calls for stocking 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 Fiscal Year (FY) 2005 is presented in Table 1.

Steelhead

Brood Year 2005 Steelhead

Three stocks of BY2005 summer steelhead were programmed for the 2006 release year. In addition, the LSRCP Cooperators agreed to increase the Hatchery's smolt production from 1,290,000 to 1,390,000 fish. This additional 100,000 fish replaces smolt production lost at the Magic Valley Hatchery due to decreasing spring flows at that LSRCP facility located in Filer, Idaho. Although spring flows continue to decline for the Hagerman National Fish Hatchery they have not been as severe as with the Magic Valley Hatchery. This difference in rate of decline is most likely due to each hatchery's respective location on the aquifer. The Hatchery staff plans to monitor oxygen and ammonia levels in the raceways and monitor fish health during rearing to determine whether or not the Hatchery is near its carrying capacity.

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 FY2005.

Brood Year 2004 Steelhead Distribution

The Hatchery released 1,279,273 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 strain and site.

Rainbow Trout

Rainbow trout eggs were obtained from Hayspur State Fish Hatchery, IDFG (Table 2.). The Lot 108 spring fingerlings were released in late May, 2005 into CJ Strike Reservoir near the Air Force Base ramp. The remainder of Lot 108 and Lot 109 fall catchables were stocked in late September at the Dam access of Salmon Falls Creek Reservoir (Table 4.).

Hatchery Practices

The Hatchery has initiated a number of standard operating procedures to produce quality smolts including: maintaining fish loading within established carrying capacity indexes (Flow Index = 1.2, Density Index = 0.2); reducing fish handling; and feeding a double vitamin boost package during early rearing before and after fish marking.

Feeding, Raceway Sanitation and Effluent Discharge

During early rearing, whether inside the Hatchery Building or in the outside raceways, steelhead fingerlings are hand fed at near satiation feeding to a minimum size of 100 mm. Once the fish have reached 100 mm and are accepting 2.5 mm extruded feed, they are fed using demand feeders. From this point on, typically November through March, fish are fed using an intermittent feed schedule. Basically, it is one week's worth of feed divided into two feedings per week. Moreover, only half of the production raceways (33 of 66) are fed on any given feed day. A weekly steelhead ration is calculated using the Hatchery Constant (HC) method with the appropriate daily growth rate required to reach the target release length at the projected release date. Feeding rates are automatically adjusted weekly for feed conversion and expected temperature-dependent daily length increase using feed spreadsheets. Raceways are sampled monthly and the HC is adjusted for actual fish growth for a given month.

The intermittent feed reduces the time spent feeding and pond cleaning, reduces fish stress due to less human activity on the raceway walls, and reduces the peak in daily Hatchery effluent loading. A comprehensive report regarding the Hatchery's activities to meet its National Pollution Discharge Elimination Permit is presented in the "Annual Report of Operations Log January 1, 2005 through December 31, 2005". A copy of this report is on file at the Hatchery, as required by the permit.

Fish Health

Periodic sampling by Idaho Fish Health Center pathologists did not detect any epizootics in any fish stocks held on station during fiscal year 2005. However, a number of issues related to unexplained mortalities and the incidence of "soreback" have been attributed to the prevalence of *Nucleospora salmonis,* although the specific etiology has not been defined. These issues are more prevalent in the Clearwater B-run summer steelhead.

The Hatchery produced Clearwater B-run summer steelhead from Dworshak NFH during the late 1980's. This production was discontinued for several years in the early 1990's but was reinitiated on an annual basis in 1999. Persistent high mortality has characterized the performance of the Clearwater B-run summer steelhead as compared to either the Sawtooth or Pahsimeroi A- run stocks. Historically, the Hatchery has been rearing the Clearwater stock in

the bottom bank of raceways, which receives third-use serial reused water, as standard procedure to reduce the potential of increasing fish health problems with the other stocks. Standard water management in the Steelhead Raceways has first-use water entering the upper bank and is serial reused in banks two and three. However, a small amount, ≈ 1cubic foot per second (CFS), of fresh water is by-passed into each of the subsequent banks, due to hydrologic limits of the first bank headbox. In an effort to determine if water quality of the serial reuse water in the bottom bank of raceways contributed to the apparent difficulty of rearing this stock, the Hatchery Evaluation Team (HET) decided to investigate the problem.

For BY2004 the Hatchery reared Clearwater stock in all three banks of the steelhead raceways. Preliminary data suggests that these fish continue to exhibit similar rates of mortality and symptoms of soreback, whether or not they are receiving first-use, second-use, or third-use water when compared to the other two stocks. The HET will continue this evaluation with the BY2005 and will produce a separate report on this study. In conjunction with this study, IDFG is evaluating coded-wire tag adult return data to determine rates of return for Clearwater B-run Steelhead produced by the Hatchery.

Aquatic Nuisance Species – Hazard Analysis and Critical Control Point Plan (HACCP)

The Hatchery continues to operate under the protocols established in its Aquatic Nuisance - HACCP Plan for control of the New Zealand Mud Snail (Potamopyrgus antipodarum). Periodic checks for the presence of this snail in fish stomachs and intestinal tracts are conducted by the Idaho Fish Health Center during all routine fish health exams. No snails were found in fish sampled during 2005. The presence of the snail in the Hatchery's water supply limits the distribution of steelhead smolts within the Salmon River Drainage.

FISCAL OPERATIONS

Personnel

During FY2005, Assistant Project Leader, Kurt Schilling, transferred to the position of Assistant Project Leader at the Iron River National Fish Hatchery located in Iron River, Wisconsin. Mark Olson, Fishery Biologist GS0482/9, replaced Kurt as the Assistant Project Leader. Nathan Wiese, Hatchery Staff Biologist, was promoted to the GS9 position. Table 5. provides a summary of staffing for the Hatchery for FY2005.

Training

Table 6. provides a summary of training received by the Hatchery employees during FY2005.

During this year, the Hatchery staff partnered with the National Park Service, Hagerman Fossil Beds Monument, to conduct two shared training opportunities. They included an effective writing course and certification for all-terrain vehicle operators. The Hatchery also used short term details and assignments to other facilities as training opportunities.

Fiscal Data

Tables 7a., 7b., & 7c., present an itemization of Hatchery expenditures for FY2005. These tables include costs for Operations, Capital Outlay and Equipment, Quarters, Wildland Fire and Cooperative Agreements for the stations respective funding sources.

OTHER ITEMS OF INTEREST

Student Career Employment Program (SCEP)

Region 1 Fisheries assigned R. Louise Bruce, a Fish and Wildlife Service, Student Career Employment Program participant, from the University of Idaho Graduate School, as a summer intern to the Hatchery. Louise shared her time between fish culture operations at the hatchery and conducting research related to the New Zealand Mud Snail (NZMS), at the University of Idaho, Hagerman Fish Culture Experiment Station. Preliminary results of her laboratory studies indicate that NZMS, force fed to rainbow trout, will survive passage through the fish's gut.

Ms Bruce's research is funded through a U.S. Geological Survey Science Support Program grant awarded to Dr. Christine Moffitt, University of Idaho. Information obtained through these investigations will provide fishery managers important information regarding options to manage for NZMS's presence at the Hatchery.

College of Southern Idaho Cooperative Internship Agreement

During 2005, 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 students an opportunity to gain conservation hatchery experience while completing coursework. Ms. Christine Satterwhite, an undergraduate student enrolled in the Fisheries Technology program at CSI, worked from March through August. Unfortunately, Ms Satterwhite resigned her appointment due to the high price of fuel at the time, which made it prohibitive for her to make the daily commute from her residence in Twin Falls, Idaho.

Wildland Fire Control and Suppression

The threat of wildland fire is always high at the Hatchery during the summer season. Two wildland fires occurred on adjacent lands this season. Rapid response by the Hagerman Rural

Fire Department and the Bureau of Land Management enabled prompt suppression of these fires. Because of the close proximity Hatchery staff remained on site during the incidents in the role of resource advisors for the firefighters (Table 7b.).

The Hatchery Project Leader participates as a member of the Board of Directors for the South Central Idaho Interagency Dispatch Center (SCIIDC), Fire Planning Unit Charter. The SCIIDC office is located at the Bureau of Land Management District Office in Shoshone, Idaho. The close working relationship with the SCIIDC has allowed the Hatchery to receive excellent service relevant to wildland fire control and suppression. At various times during the fire season SCIIDC, in conjunction with the S.E. Idaho National Wildlife Refuge Complex, Zone Fire Management Officer, provided crews to work on reducing wildland fuel loads at the Hatchery. Funding for this activity has been provided through the Service's Wildland Urban Interface Program. Additional Service funding, in the form of a Rural Fire Assistance Grant, has been provided to the Hagerman Rural Fire Department for the purchase of radio equipment (Table 7b.).

Bliss Rapids Snail (*Taylorconcha serpenticola)*

The Hatchery Staff continued working with the Boise Ecological Services Field Office, regarding the intra-Service Section 7 Consultation regarding the presence of the Bliss Rapids Snail in several of the Hatchery springs. This consultation will address protection of the snail's habitat adjacent to a pipeline replacement project scheduled for FY06.

Outreach and Partnerships

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. Moreover, each year, the Hatchery increases the number of off-site outreach activities. During FY05, the Hatchery staff participated in: the "Hagerman Fossil Days" parade; co-hosted a Free Fishing Day event with the Hagerman State Fish Hatchery operated by the IDFG; and provided staff for booths at the Boise Sportsman Show, the Idaho Salmon and Steelhead Days for 5th graders in Boise, the Twin Falls County Fair, the College of Southern Idaho Science Expo, and at the Governor's Business Opportunities Conference. Unfortunately, for the FY05 summer season, the Hatchery was unable to enlist any volunteers for its Hatchery Host Program.

The Hatchery's Web-Site is also an important outreach tool. During FY05, Nathan Wiese, Fishery Biologist, assumed responsibility for maintaining and updating information on the site. A documents section has been added to include the Hatchery's Monthly and Annual reports and other important documents in .PDF format.

Project Leader, Bryan Kenworthy, continued participation in two local area efforts with Federal, State, local, and non-government entities which are focused on improving visitor services in the area. It included participation in the Cooperative Agreement (Table 7b. and Table 7c.) with the Southern Idaho Tourism and Recreation Development Association, Inc (a local non-profit organization) to amend the Thousand Springs Scenic By-Way Corridor Management Plan and as

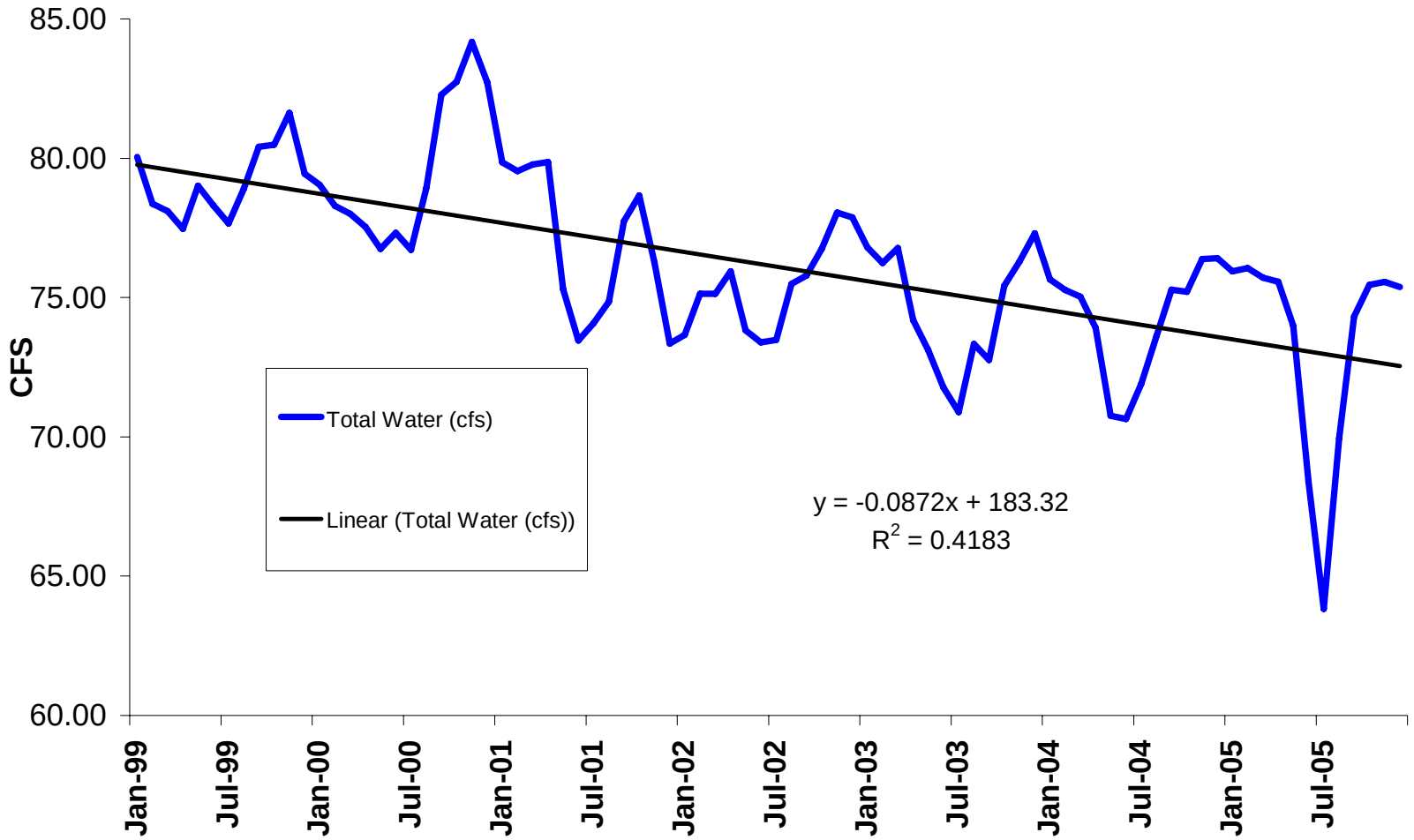
a Stake Holder Advisory Team member for Idaho Department of Parks and Recreation, Thousand Springs Park District Master Plan development.

Water Rights

The Hatchery's water supply, which emanates from the Eastern Snake River Plain Aquifer, continues a slow but steady decline. A review of spring flow data for the past six years indicates an approximate decline of 1cfs per year (Figure 1.) On average, the Hatchery is about 12 CFS below its water right. Efficiencies in irrigation methods, increased pumping, and drought have combined to diminish the water supply in the aquifer. A number of Federal, state, and private entities are working together to arrive at a solution, however, frustration has led some water users to move towards litigation. The Service, in conjunction with the US Bureau of Reclamation, continues to remain as interveners in the Rangen, Inc. case before the Idaho Department of Water Resources.

Hagerman National Fish Hatchery

Figure 1. Monthly average spring flow at Hagerman NFH, 1999-2005 (cfs)



Hagerman National Fish Hatchery

Table 1. Hatchery Production Summary as of September 30, 2005

Station: Hagerman National Fish Hatchery					PERIOD COVERED:Oct 1, 2003 THRU Sept 30, 2004					
	Fish on Hand:				To Date Totals:					
Species/Strain & Lot Number	Number	Weight	Length	D.I.	F.I.	Weight Gain	Feed Pounds	Feed Costs	Conv.	Percent Survival
SST-PAW-04-ID-105	0					47,594	43,523	$12,902.85	0.91	98.50
SST-SAW-04-ID-106	0					203,553	208,136	$60,233.85	1.02	93.94
SST-CRW-04-ID-107	0					36,840	38,466	$14,240.27	1.04	92.94
SST-PAW-05-ID-111	208,738	6,139	4.300	0.05	0.12	6,057	4,470	$2,269.42	0.74	102.14
SST-SAW-05-ID-112	1,054,966	19,571	3.690	0.09	0.20	19,193	15,556	$8,573.75	0.81	98.65
SST-CRW-05-ID-110	204,649	5,386	4.140	0.11	0.25	5,268	4,381	$1,877.58	0.83	96.22
RBT-T9-05-ID-108	0					8,505	7,143	$2,794.26	0.85	93.93
RBT-T9-05-ID-109	0					8,884	9,791	$3,066.52	1.10	77.86
Total/Averages	**1,468,353**	**31,096**	XXXX	XXXX	XXXX	**335,894**	**331,466**	**$105,959**	**0.99**	**93.76**

Hagerman National Fish Hatchery

Table 2. Eyed eggs received at Hagerman NFH during Fiscal Year 2005

Species	Stock	Lot No.	No. Eggs	% Survival to Hatch
Rainbow Trout	Hayspur R9 Triploid	RBT-KT-05-ID (Lot 108)	103,360	97.69%
Rainbow Trout	Hayspur R9 Triploid	RBT-R9T-05-ID (Lot 109)	34,932	96.74%
		Total	**138,292**	
Steelhead	Pahsimeroi[1]	SST-PAW-05-ID (Lot111)	204,370	99.33%
Steelhead	Sawtooth[2]	SST-SAW-05-ID (Lot 112)	1,084,195	98.58%
Steelhead	Clearwater[3]	SST-CRW-05-ID (Lot 110)	216,934	98.04%
		Total	**1,505,499**	

[1] Spawned at Pahsimeroi Fish Hatchery and incubated at Sawtooth Fish Hatchery.
[2] Spawned and incubated at Sawtooth Fish Hatchery.
[3] Spawned at Dworshak NFH and incubated at Clearwater Fish Hatchery.

Hagerman National Fish Hatchery

Table 3. Steelhead Distribution During Fiscal Year 2005

Lot / Strain	Type of release	River/Site	Weight (lbs)	Number	#/lb	Length		Date(s)
						in	mm	
106 SST-SAW-04-ID								
		Salmon River						
Sawtooth	Direct	Sawtooth Fish Hatchery Weir	173,320	747,462	4.31	8.56	217	4/11/05 - 4/29/05
Sawtooth	Direct	Yankee Fork	29,870	139,384	4.67	8.34	212	5/04/05 - 5/09/05
105 SST-PAW-04-ID								
		Little Salmon River						
Pahsimeroi	Direct	Little Salmon River @ Hazard Creek Bridge	46,630	156,219	3.35	9.31	236	3/28/05 - 4/06/05
Pahsimeroi	Direct	Lower Hazard Creek	10,825	44,795	4.14	8.68	220	4/01/05
107 SST-CRW-04-DWO								
		Little Salmon River						
Clearwater	Direct	Little Salmon River @ Hazard Creek Bridge	20,790	91,263	4.39	8.51	216	4/06/05 - 4/11/05
		East Fork Salmon River						
Clearwater	Direct	Lower East Fork	21,410	100,150	4.68	8.33	212	5/02/05, 5/03/05 & 5/10/05
		Total	**302,845**	**1,279,273**				

Hagerman National Fish Hatchery

Table 4. Rainbow Trout Distribution During Fiscal Year 2005

Lot / Strain	Reservoir	Site	Weight (lbs)	Number	Length (in)	Date(s)
Lot 108 RBT-T9-05-ID	CJ Strike Reservoir	Airforce Base Ramp	2,990	43,355	5.27	5/11/05
	CJ Strike Reservoir	Airforce Base Ramp	3,575	51,838	5.27	5/11/05
	Salmon Falls Creek Reservoir	Salmon Falls Dam	1,717	4,104	9.62	9/20/05
		SubTotal	8,282	99,297		
Lot 109 RBT-T9-05-ID	Salmon Falls Creek Reservoir	Salmon Falls Dam	12,592	30,096	9.62	9/20/05
		Total	**20,874**	**129,393**		

Hagerman National Fish Hatchery

Table 5. Report of Station Personnel During Fiscal Year 2005

Part I - Permanent Personnel (FTE's: 8.25)				
Name of Employee	**Functional Title**	**Grade**	**Period Worked**	**Remarks**
Bryan Kenworthy	Project Leader Fisheries Biologist(Supervisor)	GS0482/12/09	10/01/2004 - 09/30/2005	
Kurtis E. Schilling	Asst. Hatchery Manager Fisheries Biologist (Supervisor)	GS0482/11/01	10/01/2004 - 09/30/2005	
Robert James Brandon	Animal Caretaker	WG5048/05/03	10/01/2004 - 09/30/2005	
Brian P. Clifford	Motor Vehicle Operator	WG5703/08/05	10/01/2004 - 09/30/2005	
Stephen W. Money	Maintenance Mechanic	WG4749/10/05	10/01/2004 - 09/30/2005	
Mark A. Olson	Fisheries Biologist	GS0482/09/02	10/01/2004 - 09/30/2005	
Anna M. Ray	Fisheries Program Assistant	GS0303/06/06	10/01/2004 - 09/30/2005	
Nathaniel J. Wiese	Fisheries Biologist / Trainee	GS0482/09/01	10/01/2004 - 09/30/2005	New to Service / 55days
Eric W. Willet	Motor Vehicle Operator	WG5703/06/05	10/01/2004 - 09/30/2005	
Part II - Temporary Personnel (FTE's: 0.0)				

Hagerman National Fish Hatchery

Table 6. Personnel Training during Fiscal Year 2005

R. James Brandon	Detail @ Malheur National Wildlife Refuge – October, 2004 "IT Security Awareness" – February, 2005 "Respirator Fit Testing & Refresher Course" – May, 2005 "Discrimination & Whistleblowing in the Workplace" – June, 2005 Detail @ Spring Creek National Fish Hatchery – September, 2005
R. Louise Bruce	"Discrimination & Whistleblowing in the Workplace" – June, 2005 "46th Western Fish Disease Workshop" – June, 2005 "IT Security Awareness" – July, 2005
Brian Clifford	Interagency work session with Idaho Fish & Game, Emerald Pond - October, 2004 "IT Security Awareness" – February, 2005 "Respirator Fit Testing & Refresher Course" – May, 2005 "Discrimination & Whistleblowing in the Workplace" – July, 2005 "Maintenance Training Workshop for FWS Wage Grade Professionals" – September, 2005
Bryan Kenworthy	"Effective Writing" – January, 2005 "SAMMS Training" – January, 2005 "Environmental & Facility Compliance Course" – May, 2005 "Discrimination & Whistleblowing in the Workplace" – July, 2005 "No Fear Act" – July 13, 2005 "Fisheries Information Systems (FIS) Training" – August, 2005 "EEO/Diversity Training" Videos – September, 2005
Stephen Money	"Industrial Electricity" – October, 2004 "SAMMS Training" – January, 2005 "IT Security Awareness" – February, 2005 "Pesticide Applicators License Test Training" – February, 2005 "Private Applicator Test" – February, 2005 "ATV Instructor Preparation Course" – May, 2005 "Respirator Fit Testing & Refresher Course" – May, 2005 "Discrimination & Whistleblowing in the Workplace" – July, 2005

Table 6. Personnel Training during Fiscal Year 2005 (continued)

Mark A. Olson	"Pacific Region Hatchery Management Workshop" – November, 2004 Detail @ Carson National Fish Hatchery – November, 2004 "Performance Management System" – December, 2004 "Effective Writing" – January, 2005 "Fisheries Academy" – February, 2005 "IT Security Awareness" – March, 2005 "HACCP Planning for Natural Resource Pathways" – March, 2005 "Integrated Charge Card Program, Approving Official Training" – March, 2005 "Discrimination & Whistleblowing in the Workplace" – June, 2005 "Fisheries Information Systems (FIS) Training" – August, 2005 "EEO/Diversity Training" Videos – September, 2005
Anna M. Ray	"Effective Writing" – January, 2005 **"**Using GSA Schedules - Customers" online training - January, 2005 "IT Security Awareness" – February, 2005 Detail w/Contracting & General Services – March, 2005 "Discrimination & Whistleblowing in the Workplace" – June, 2005 "Creating a Effective IDP" – August, 2005
Kurtis E. Schilling	"Effective Writing" – January, 2005
Nathaniel Wiese	"Internet Home-page Development for FWS" – September, 2004 "New Employee Orientation" – October, 2004 "Pacific Region Hatchery Management Workshop" – November, 2004 "USFWS Employee Foundations" – November, 2004 "Website Development Training" – December, 2004 Detail @ Coleman National Fish Hatchery – December, 2004 "Effective Writing" – January, 2005 "FIS2310" – January, 2005 "IT Security Awareness" – March, 2005 "Coldwater Disease Workshop" – June, 2005 "Discrimination & Whistleblowing in the Workplace" – June, 2005 "Fisheries Information Systems (FIS) Training" – August, 2005

Table 6. Personnel Training during Fiscal Year 2005 (continued)

Eric Willet	Interagency work session with Idaho Fish & Game, Conner Pond - October, 2004 "IT Security Awareness" – February, 2005 "Respirator Fit Testing & Refresher Course" – May, 2005 "Discrimination & Whistleblowing in the Workplace" – July, 2005 Detail @ Malhuer National Wildlife Refuge – August, 2005

Hagerman National Fish Hatchery
Operation and Maintenance Data For Fiscal Year 2005

Table 7a.

OFT 14230-1936-0300:		OFT	EXPENSES		Sub-total	Balance
Operations:		***$857,562***				
Salaries, OT, Awards, Benefits			$511,874			
Travel/Tuition			$11,172			
Utilities			$22,158			
Steelhead Fish Food			$82,179			
All Distribution			$35,403			
Production Expense			$17,642			
Repairs & Maintenance			$47,768			
Fuels & Oils			$7,097			
Office Admin/Misc. Services			$23,467			
CSI Coop. Agreement & Other USFWS Employees			$8,000			
Outreach			$3,689			
Engineering Services			$4,020			
Total Operation Expenes:				*($774,470)*		
Sub-Total moved to Non-Reocurring Maint. & Cap. Equip:					$83,092	
* * * * *						

Hagerman National Fish Hatchery
Operation and Maintenance Data For Fiscal Year 2005

Table 7a. (continued)

OFT 14230-1936-0300:		OFT	EXPENSES		Sub-total	Balance
Non-Reocurring Maint. & Cap. Equipment:		***$21,000***				
Intraco - Phase II & III Cablevey feed system #14230-5-M036			$7,345			
Wickham Pipeline - Bypass Overflow Pipeline #10181-5-M537			$23,780			
Burks Tractor - Backhoe Repair #10181-5-M655			$3,639			
Gary Stuart Painting - Facia Painting #10181-5-M628			$3,975			
Magic Valley Heli-Arc - Dewatering Tower #14230-5-M131			$8,736			
Twin Falls Sign Inc - Tanker Decals #10181-5-M691			$5,985			
*Brockway Engineering - Wickham contruction assistance #10181-3-M536/0004			$2,000			
Gordon Paving - Aspalt & Seal Coating #10181-5-M719			$24,260			
C-2 Contruction (8a) - Re-roof Storage Bldg #10181-5-M789			$23,975			
Total Non-Reocurring Maint. & Cap. Equipment:				*($103,695)*		
Sub-Total:					($82,695)	
Year-End Balance = 99.58% expenditure:		**$878,562**		**($878,165)**		$397

***** Open & Pending Contracts SEE TABLE 7c.

Hagerman National Fish Hatchery
Other Funding Sources FY2005

Table 7b.

	+	-	Balance	Comments
Dworshak Mitigation RBT 14230-1935-0001:	$25,000.00			
Fish Food		($25,000.00)		
Total:			$0.00	
Quarters Funding 14230-8610-0000:				
FY2004-Prior Year Carryover	$6,037.48			
Collections	$16,264.47			
Overhead deductions @ 21%		($3,415.79)		
General Expenditures		($6,588.00)		
Sears - Refrigerators *4 #14230-5-V066		($3,596.00)		
Wickham - Quarter #4 Driveway Rep. #10181-5-M242		($12,700.00)		
FY2005- Carry forward:			($3,997.84)	
WUI 14610-9264-1761 / Fuels Reduction	$750.65	($750.65)	$0.00	
14230-9141-3UT7 / June '05 Fire Threat - neighbor burning weeds	$172.41	($172.41)	$0.00	
14230-9141-B23N / July '05 Fire Threat - HWY30 IDF&G Rural Fire Assit #11	$220.24	($220.24)	$0.00	
RFA 14230-9265-0000:				
Hagerman Rural Fire Department / Radio Equip. - #14230-5-G166	$10,000.00	($10,000.00)		
Total:			$0.00	
Outreach - 10139-8555-14RO:	$5,000.00			Multiple Year Cooperative Agreement
*SCITRDA #14230-4-G175/0001		$0.00		(original obligation = $7,585 less $3,006.50)
Total Grant:			$5,000.00	(+ $4,578.50 = $8,006.50 remaining balance)
TOTAL of OTHER FUNDING:	**$61,445.25**	($62,443.09)		

* Open & Pending Contracts SEE TABLE 7c.

Hagerman National Fish Hatchery
Open and Pending Contracts

Table 7c.

		+	-	Balance	Comments
Brockway Engineering - #10181-3-M536A		**$39,532.00**			**FY2003 Funding**
Engineering Services charged to 14230-1936-0300			($22,811.95)		FY2003 & FY2004 spending
			($5,806.83)		FY2005 spending
Modification to / 0004		**$2,000.00**			**FY2005 Funding**
Total:			$0.00	$12,913.22	
SCITRDA (Grant) - #14230-4-G175 (using funding 10139-8555-14RO)		**$7,585.00**			**FY2004 Funding**
			($3,006.50)		FY2005 spending
Modification to / 0001 (using funding 14230-8555-15HA)		**$5,000.00**			**FY2005 funding**
Total:				$9,578.50	
Thomas/Wright, Inc. - WO #10181-4-Y086		**$2,000.00**			
Bird Net Scoping charged to 1936-0300			($2,000.00)		Spent in FY2004
Modification to Design Bird Net charged to 1936-0300		**$6,875.00**			
Total:			($2,062.50)		Spent in FY2005
TOTAL of OTHER FUNDING:		**$62,992.00**	($35,687.78)	$22,491.72	

APPENDIX

FACILITY MAINTENANCE

Main Spring to Bickel Ditch →

Water lines, installed in 1993 begin to show their age.

←During the summer of 2005 a section of this line failed due to severe corrosion. Work to replace the line will begin in FY2006.

Spring 13 Water Line

The 8-inch steel line diverting water → from Spring 13, installed circa 1963, was also incorporated into the new infrastructure.

← The Spring 13 water line was partially exposed in a ditch on the edge of the road. Corrosion of the line compromised its integrity. Funded with FY 2004 dollars, the project was completed in FY 2005. It also included the replacement of the old hydro-pneumatic domestic water system mechanism with an inline variable speed pump.

Brailsford Intake

The Hatchery installed a ramped flume in the Brailsford Intake so water, diverted from Len Lewis Spring, could be controlled and measured more efficiently and accurately. The work included improvement to the turn-out spillway by replacing the stop log structure with a new discharge pipe and valve controls.

→

Brailsford Intake Over-Flow Pipe

← Installed in 1984, the 36-inch galvanized pipe, which diverts water from the Brailsford Intake to Main Spring, had severely corroded in several locations. Water leaking from the pipe had the potential to cause instability in the hillside which could have caused catastrophic loss of the line.

A new 30-inch epoxy coated steel line now replaces the old line.

→

Erecting feed storage bins for automated feed delivery system expansion.

←

New drive way for Quarters 4.

→

Retrofit of stair way to upper springs for OSHA compliance.

←

New dewatering tower used in conjunction with submersible fish pump to reduce stress on fish during fish marking operations.

→

VISITOR SERVICES

A great deal of credit goes to the Hatchery crew for keeping the landscape appealing to tourists. The majority of comments in the guest register note the well kept facility.

→

Gold at the end of the rainbow.

←

The large sturgeon swimming in the Hatchery's Display Pond are always a big hit for the school kids.

→

Dave Allen, Region 1 Director, and Dan Diggs, Assist. Regional Director for Fisheries, celebrate with Hatchery staff on their winning the Region 1 Duck Stamp Challenge.

←

WILDLAND FIRE

Neighbor's brush pile burn escapes threatening Hatchery.

→

Quick response by Hagerman Rural Fire Department and BLM fire crews quickly contain the fire from spreading to Hatchery Property

←

Large wildland fire burns on south side of Snake River for several days, at one point jumping river threatening homes in the Hagerman area.

→

Hatchery staff use ground ripping machinery to develop fire break on north boundary fence line.

←