

**EVALUATION AND TECHNICAL COORDINATION FOR U.S. FISH AND  
WILDLIFE SERVICE LOWER SNAKE RIVER COMPENSATION PLAN  
HATCHERY PROGRAMS IN IDAHO**

**ANNUAL REPORT FOR FISCAL YEAR 2005**

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The Idaho Fishery Resource Office (FRO) has responsibility for evaluating the progress of Dworshak and Hageman National Fish Hatcheries (NFH) towards meeting the mitigation goals established by the Lower Snake River Compensation Plan program. In addition, the FRO provides technical coordination between these two hatchery programs and other federal, state, and Tribal agencies. For fiscal year 2005, four goals with associated objectives and tasks were designed specifically to meet these responsibilities and obligations and were listed in a Detailed Statement of Work for FY2005. The following is the FRO's annual report of accomplishments for FY2005 under each of the goals in that plan.

**GOAL 1      Evaluate the progress of Dworshak NFH in meeting its mitigation goal for the Lower Snake River Compensation Plan program.**

The mitigation goal for the program was developed in terms of the number of adults returning to the project area, specifically, to Lower Granite Dam. Lower Granite Dam is not equipped to identify the origin of every adult spring Chinook salmon that enters the adult ladder. Therefore, data has to be collected from several different sources including the rack return at the hatchery and harvest in both the sport and Tribal fisheries in years where seasons are opened.

**Objective 1.1 Estimate the number of Dworshak NFH spring Chinook salmon adults that return to the project area above Lower Granite Dam in 2005.**

The numbers of Dworshak NFH origin adult spring Chinook salmon that returned to the Clearwater River in 2005 are difficult to determine because of the mixed stock fisheries and harvests that occur in the basin. The adults that entered the Clearwater River in 2005 originated from programs at Dworshak NFH, Kooskia NFH, Idaho Department of Fish and Game (Department) facilities at Powell, Red River, and Crooked River, and Nez Perce Tribal Hatchery facilities on Lolo Creek, Newsome Creek, and fish releases into Meadow Creek, a tributary of the Selway River. Coded-wire tag recoveries are sometimes used to help estimate the contribution percentages of various stocks to specific programs.

*Task 1.1.1      Inventory adult Chinook salmon as they enter the Dworshak NFH ladder in the spring and summer of 2005. Record fish lengths, external marks, and tags. Check all adults for PIT-tags and CWTs.*

Based on the number of I-Ocean males that returned to Dworshak NFH in 2004 (184), we estimated last fall that about 3,011 spring Chinook salmon should return to the Dworshak Fisheries Complex and adjacent fisheries in the spring and summer of 2005 (Idaho FRO 2006). The adult ladder was opened on May 18, 2005 and beginning in June, inventories were conducted periodically, recording fish length, external marks and finclips as well as the number of fish with coded-wire tags or PIT-tags. In an effort to provide more complete data and to reduce the amount of work and equipment required in the spawning room during inventories, the FRO and the Hatchery have worked together to install a PIT

tag detector in the adult ladder. The detector will provide data on the time of return for PIT tagged spring Chinook and eliminate the need to scan adults during inventories. The project was a cooperative effort working with the Abernathy Fish Technology Center. By the end of the season, a total of 882 spring Chinook salmon entered the hatchery, 74 I-Ocean, 686 II-Ocean, and 122 III-Ocean fish. The number was below our established goal for broodstock of 1,200.

*Task 1.1.2 Coordinate with the Idaho Department of Fish and Game and the Nez Perce Tribe to obtain estimates of sport and Tribal harvests.*

The Idaho Department of Fish and Game and the Nez Perce Tribal Fisheries Department provided our office with updated information throughout the sport and Tribal fishing season. The total number of estimated Dworshak NFH spring Chinook salmon harvested by sports fisherman was 942. The total number of fish harvested by Tribal fisherman was estimated to be 102.

*Task 1.1.3 During spawning in 2005, collect snouts from coded-wire tagged fish and assist the hatchery in collecting pertinent biological data related to spawning.*

All the adult spring Chinook salmon returning to Dworshak NFH were scanned for coded-wire tags, measured for fork length, noted for various finclips or other marks, identified for gender, and noted for physical condition and overall health. A total of 157 coded-wire tagged fish were processed by having their snouts removed.

*Task 1.1.4 Extract and read coded-wire from tagged fish.*

Coded wire tags recovered from the 2005 spring Chinook salmon rack return represented releases made in 2002 (III-Ocean), and 2003 (II-Ocean), and 2004 (I-Ocean). A total of 83 tags were extracted, representing seven separate tag codes for monitoring contributions to fisheries.

*Task 1.1.5 Develop and apply a method to estimate the number of unharvested adults that return to the project area.*

A preliminary process was developed to estimate the number of unharvested adults that return to the project area above Lower Granite Dam. An estimate was made, but the results were unsatisfactory. The adult estimate of return to Lower Granite Dam, based on the ratio of PIT tagged adults detected to the number of smolts released, was lower than the combined rack return to Dworshak NFH and the harvest numbers from the sport and Tribal fisheries.

**Objective 1.2 Write a summary report for adult returns of SCS to Dworshak NFH in 2004.**

The complete report, "***Adult Spring Chinook Salmon Returns to Dworshak and Kooksia National Fish Hatcheries in 2004, and prognosis for 2005***", is available from the Idaho Fishery Resource office.

*Task 1.2.1 Report the total return of adults to the hatchery in 2004 and the estimated numbers harvested in sport and Tribal fisheries.*

The total numbers of Dworshak NFH spring Chinook salmon returning to the rack and estimated in the sport and Tribal fisheries in 2004 were 2,356, 1,595, and 419, respectively.

*Task 1.2.2 Report the age composition of the hatchery return.*

Returns to the hatchery were used to estimate the age composition of the run, and it is assumed that the same proportions apply to the sport and Tribal fisheries. A total of 142 I-Ocean fish (6%), 2,077 II-Ocean fish (88%), and 137 III-Ocean fish (6%) returned to the rack at Dworshak NFH. The percentage of II-Ocean fish was noticeably higher than the mean of 60.2% for that age group.

*Task 1.2.3 Estimate the smolt-to-adult survival for BY99 (Modified from the FY05 SOW).*

The adult returns to Dworshak NFH in 2004 together with the numbers of fish harvested in the sport and Tribal fisheries, complete the life cycle of BY99 spring Chinook salmon. A total of 333,120 smolts were released from Dworshak NFH in 2001. A total of 187 I-Ocean adults were accounted for in 2002, 878 II-Ocean adults were accounted for in 2003, and 250 III-Ocean adults were accounted for in 2004. The total of 1,315 adults provides an estimate of 0.39%, smolt to adult return rate for BY99, released in 2001.

*Task 1.2.4 Report coded-wire tag recoveries.*

Coded wire tags recovered from the 2004 spring Chinook salmon rack return represented releases made in 2000 (IV-Ocean), 2001 (III-Ocean), 2002 (II-Ocean), and 2003 (I-Ocean). A total of 252 tags from eight separate tag codes were extracted, read, and the data submitted to PSMFC.

*Task 1.2.5 Prepare a summary report of PIT tag recoveries that includes trend analysis for previous years.*

A total of 23 adults that returned to the hatchery rack contained PIT tags that had been implanted prior to being released at the hatchery as smolts. This is in contrast to the number of adults detected at Lower Granite Dam which totaled 83. The disparity can be partly explained by the removal of fish in the sport and Tribal fisheries, based on proportions, but ground truthing of such removal was not obtained.

*Task 1.2.6 Develop a prediction for adult returns in 2005.*

Over the years, we have been able to develop a very strong regression between the number of jack (I-Salt) returns and the number of II-Salt returns the following year. Although this method works well for II-Salt returns, we have not been able to develop reliable regressions that will provide predictions for the I-Salt and III-Salt returns. Therefore; the predictions for these two age groups are generated from average return rates. Our prediction for 2005 return to Dworshak NFH and adjacent fisheries was 3,011 adults spring Chinook salmon.

*Task 1.2.7 Develop an in-season adult return tracking program and the ability to update in-season predictions using PIT-tagged adults detected at lower Granite Dam.*

As the season progressed during 2005, the numbers of adult spring Chinook salmon crossing over Lower Granite Dam that had PIT-tags of Dworshak NFH origin were tallied in an effort to confirm earlier estimates of the adult return based on the previous seasons I-Ocean return. However, the database was not sufficient for such purposes, although the data did provide in-season data on time of return. This task will need to be re-evaluated for the 2007 fiscal year.

### **Objective 1.3 Prepare spring Chinook salmon brood year reports for Dworshak NFH.**

*Task 1.3.1 Compile and assimilate all information for BY99 spring Chinook salmon released as smolts from Dworshak NFH in 2001 into a complete Brood Year Report.*

The following report is available from the Idaho FRO office, **“Brood Year Report, Dworshak National Fish Hatchery Spring Chinook Salmon Brood Year 1999, Life Cycle Completed in 2004”**.

*Task 1.3.2 Open a new file for BY05; continue compiling and assimilating information for BYs 00, 01, 02, 03, 04.*

A new brood year file was opened for BY05 spring Chinook salmon and data on adults collected, holding mortality and spawning were compiled. Data on production and rearing of Bys 04 and 03 were compiled from monthly hatchery production summaries. Data on adult returns for BYs 02, 01, and 00 were compiled.

### **GOAL 2 Evaluate the progress of Hagerman NFH in meeting its summer steelhead smolt production goal for the Lower Snake River Compensation Plan program.**

#### **Objective 2.1 Monitor summer steelhead rearing activities at Hagerman NFH.**

*Task 2.1.1 Compile production and other related data into information files.*

Our office maintains a file of Hagerman NFH's monthly production summaries, documenting the history of production for future reference. Monthly summaries were reviewed and filed for the year. Data on the fin quality (Fin Quality Index) was collected by the hatchery staff during the second quarter and were submitted to the FRO for compiling into established databases. Data on smolt distribution and releases were forwarded to the FRO during the third quarter where the data were incorporated into the station's databases.

*Task 2.1.2 Analyze information files for trends or anomalies.*

No particular population trends or anomalies were identified by the hatchery staff, the FRO staff, or the Hatchery Evaluation Team, with the exception of the continued late winter/early spring spike in mortality of the Clearwater stock. This issue is being addressed in Objective 3.3.

*Task 2.1.3 Assist the hatchery with compiling coded-wire tag release numbers and tag loss information.*

During the second quarter, data on coded-wire tag retention rates and fin clip quality were collected. The coded wire tag loss rate was estimated to be 98.5% and with an adipose fin removal rate of 99.2%.

*Task 2.1.4 Review distribution information in preparation for assimilation into the CRIS system.*

This year, Hagerman NFH transported and released 1,279,273 summer steelhead smolts into the Salmon River at locations near the Sawtooth State Fish Hatchery and in the Little Salmon River. Data on smolt distribution for BY04 were reviewed and prepared for assimilation into the CRIS database system.

## **Objective 2.2 Evaluate using PIT tags for estimating the number of adult returns to Lower Granite Dam.**

The Hatchery Evaluation Team at Hagerman NFH developed the following brief evaluation and proposal to accomplish Objective 2.2, **“Evaluation of Using PIT-Tags to Estimate Adult Returns of Summer Steelhead to Lower Granite Dam - An Alternative Method of Assessing the Progress of Hagerman National Fish Hatchery in Meeting Its Mitigation Goal for the Lower Snake River Compensation Plan Program”**. The paper is available from the Idaho FRO office. During the last quarter of the fiscal year, this activity was deleted from the Statement of Work because of fiscal constraints and changes in funding.

## **Objective 2.3 Provide technical assistance in monitoring the New Zealand Mud Snail (NZMS).**

*Task 2.3.1 Establish and survey permanent monitoring sites in the South Fork Clearwater River.*

Four permanent monitoring sites were established and surveyed for the presence of the New Zealand Mud Snail in the South Fork of the Clearwater River. Three sites were established on the main South Fork and one site on lower Newsome Creek. Each site was characterized by recording GPS coordinates, photographs, and brief descriptions of the site.

*Task 2.3.2 Establish and survey permanent monitoring sites in the Upper Salmon River.*

No activity was performed on this task during the fiscal year.

*Task 2.3.3 Survey historical release sites of rainbow trout.*

No activity was performed on this task during the fiscal year.

*Task 2.3.4 Survey new or proposed release sites of rainbow trout.*

No new sites were proposed for release sites of rainbow trout during the fiscal year.

*Task 2.3.5 Provide assistance in developing New Zealand Mud Snail monitoring protocols for the hatchery.*

During the second quarter, Idaho FRO and RO staff met with IDFG to coordinate final development of the Hagerman NFH NZMS Risk Assessment. The state was briefed on management direction and asked for comment and concurrence since this would potentially impact their hatchery management. The Project Leader served as Project Officer for a USGS funded University of Idaho graduate project, looking at possible control methods for New Zealand Mud Snails at Hagerman NFH.

**GOAL 3 Develop recommendations for Dworshak and Hagerman NFHs that will produce sufficient smolts to meet each hatchery's LSRCP mitigation goals.**

**Objective 3.1 Provide Leadership for the Dworshak and Hagerman Hatchery Evaluation Teams.**

*Task 3.1.1 Schedule and conduct regular meetings during FY04. Develop meeting agendas and topics for discussion based on input from Team members, ongoing hatchery operations, or other special issues as they arise.*

**Dworshak NFH**

January 18, 2005 – The Team met to discuss upcoming PIT tagging and smolt release activities for BY03 spring Chinook salmon smolts scheduled for release in spring of

2005. Met on February 2 to discuss a proposal submitted by Billy Connor to rear fall Chinook salmon fry in the spring Chinook raceways after the smolts have been released. Met on March 10 and 11 to discuss how to handle Dworshak's spring Chinook salmon fry (BY04) that will be ready a month early this year for tanking. After several discussions, it was agreed to rear them temporarily at Kooskia NFH.

July 25, 2005 – The Team met to coordinate activities for the upcoming spring Chinook salmon spawning season. A subsequent meeting was held on July 27 to discuss and coordinate changes to the previously established spawning protocols.

### **Hagerman NFH**

January 5, 2005 – The Team met to discuss progress on ongoing projects, the upcoming coordination meeting, and to coordinate data collection for the Stock Evaluation Project.

February 15, 2005 – The Team met to discuss completion of the Intermittent Feeding Evaluation Final Report, progress on the Stock Evaluation Project, and to coordinate collection of data for the Stock Evaluation Project.

March 16, 2005 – The Team met to discuss the completion of the Stock Evaluation Project.

June 15, 2005 - The Team met to discuss several issues including the completion of the Intermittent Feeding Study Final Report, the Clearwater Stock Evaluation Progress Report, and the proposal to use PIT tags to evaluate the adult return mitigation goal for summer steelhead under LSRCP.

August 24, 2005 – The Team met to discuss the final report for the Clearwater Stock Evaluation Project and initiation of the second year of that study; the final draft of the Intermittent Feeding Evaluation Study; the proposal to use PIT tags to evaluate adult returns to Lower Granite Dam; Steelhead tagging and fin clipping; and an assessment of the hatcheries production capacity

*Task 3.1.2 Develop plans of study for specific evaluation projects as problems are identified.*

With the successful completion of the first year of the Clearwater Stock Evaluation Project, the Hagerman HET decided to continue the evaluation for a second year, with some slight modifications.

The Hagerman HET developed a preliminary proposal to begin using PIT tags to evaluate the adult return mitigation goal for summer steelhead under the LSRCP program (See **Objective 2.2**).

*Task 3.1.3 Compile Notes and report HET activities and progress to the LSRCP Office in Boise on a regular basis.*

Agendas and the subsequent minutes for all HET meetings were forwarded to the LSRCPC office on a regular basis.

**Objective 3.2 Plan and Coordinate the marking and tagging of BY02 and BY03 SCS at Dworshak NFH.**

*Task 3.2.1 In cooperation with the hatchery production staff, coded-wire tagging will be planned for BY04 SCS (for release in 2006).*

Initial coordination and scheduling of coded-wire tagging activities were made with the Vancouver FWO during October and November, 2004, calling for tagging to begin in August 2005. The final planning was completed in cooperation with the hatchery staff during the first week of August, 2005. Two coded wire tag groups were planned for a total of 136,326 tagged fish. One tag group, was placed into A bank ( racesways A-1 and A-2) and one tag group was placed into B bank (raceways B-16 and B-17).

*Task 3.2.2 Coordinate and monitor coded-wire tagging activities for BY04 fingerlings.*

The coded-wire tagging was completed August 10-11, 2001, by the U.S. Fish and Wildlife Service, Vancouver Office. The remaining 883,833 fish on hand were marked by removing the adipose fin by the same office, August 11-17

*Task 3.2.3 In cooperation with the hatchery production staff, plan PIT-tagging for BY03 pre-smolts (for release in 2005).*

During the fall of 2004 and late winter of 2005, our office used the Hatchery's Monthly Inventory Summaries, provided by the Dworshak NFH production staff, to determine potential PIT tag groups based on IHN predisposition and percent mortality. We met regularly with the production staff to make sure that feeding and raceway cleaning schedules were coordinated with PIT-tagging operations to avoid conflicts. Hatchery production staff also provided updated summaries outlining the incidence of IHN in female brood stock, level of BKD, and overall smolt mortality to help facilitate raceway selections. Columbia River Fisheries Program Office personnel were contracted to PIT-tag 52,000 SCS pre-smolts.

*Task 3.2.4 Coordinate and monitor PIT-tagging activities for BY03 pre-smolts (for release in 2005).*

Tagging operations began on January 4, 2005 and were completed January 8, 2005. Accounting for mortalities, 51,812 smolts were released into the North Fork Clearwater River on the afternoons of April 4 and April 6, 2005. Tagging and release files were submitted to the Pacific States Marine Fisheries Commission PIT-Tag Information System (PTAGIS). On March 23, 2005 Idaho Fishery Resource Office personnel PIT-tagged 723 SCS smolts reared at Kooskia National Fish Hatchery for evaluation of

survival to downstream dams. Fish were released and (CWT) IT tag release files were submitted to PTAGIS on April 1, 2005 . Hatchery production staff followed specialized feed schedules during PIT tagging operations to facilitate tag insertion and prevent tag expulsion.

*Task 3.2.5 Estimate coded-wire tag retention rates and fin clip quality for BY03 smolts.*

Coded-wire tag retention rates and the fin clip quality was estimated in March 05. The CWT retention rate was 99% with fin clip quality being 94.6%.

*Task 3.2.6 Produce a summary report of downstream travel time and interrogation rates to Lower Granite, Little Goose, Lower Monumental, and McNary dams for BY03 SCS smolts released in 2005.*

A complete report of the numbers of BY03 spring Chinook salmon smolts PIT-tagged and an analysis of travel time and interrogations at various Snake and Columbia river dams, ***“Final report of passive integrated transponder (PIT) tagging activities for juvenile spring Chinook and summer steelhead during 2005 at Dworshak and Kooskia National Fish Hatcheries”***, is available from the Idaho FRO office.

Dworshak NFH released 1,072,359 spring Chinook salmon smolts, into the North Fork Clearwater River in 2005, 51,819 of which were fitted with PIT tags. The project was a cooperative effort with other agencies to investigate the comparative survival of spring Chinook salmon smolts that are transported versus those that freely migrate in the river to the ocean. The mean migration time of all PIT-tagged Dworshak NFH spring Chinook salmon interrogated at Lower Granite Dam was 29.2 days. The mean detection rate of Dworshak NFH spring Chinook salmon was 76.1%

*Task 3.2.7 Monitor flow conditions in the Clearwater River and other environmental variables to develop smolt release time recommendations for 2005 smolt releases.*

Drought conditions prevailed throughout the Pacific Northwest in early 2005 and the Regional Office Fisheries Program contacted our office as part of a region wide assessment to obtain our opinion on how conditions might affect our programs. It was our opinion that conditions might affect spring Chinook salmon smolt release strategy. We began monitoring flows in the mainstem Clearwater River at the Orofino bridge, and the inflow into Lower Granite Reservoir on March 1, 2005. At that time, and until March 25, 2005, flows remained well below normal. Inflow into Lower Granite Reservoir was less than 50% of the recent 10 year average. Our initial recommendation at that time was to plan for releases the first week in April. The Army Corp of Engineers was contacted to request a short term increased water release out of Dworshak Reservoir the first week of April to help facilitate our smolt releases by flushing them out of the North Fork and into the mainstem of the Clearwater River. Heavy precipitation on the 26<sup>th</sup> and 27<sup>th</sup> resulted in significantly increased turbidity and flows that nearly approached the 10 year average, conditions extremely favorable for smolt releases. However, arrangements with

the Corps could not be moved up and fish were released on the evenings of April 4 and 6, 2005.

*Task 3.2.8 Document numbers, sizes, conditions, times of release, and release locations for BY03 smolts released in 2005.*

Dworshak NFH released a total of 1,072,359 spring Chinook salmon smolts averaging 19.2 fish per pound (142 mm).

**Objective 3.3 Oversee Evaluation of Clearwater Steehead Tock Performance in Serial Re-use Raceways at Hagerman NFH.**

*Task 3.3.1 Continue collecting mortality, fish health, and water quality data on a monthly basis.*

Mortality, fish health, and water quality data were collected monthly from October through March. Smolts were released during April and May. Data were compiled into data bases for analysis.

*Task 3.3.2 Prepare and submit quarterly progress reports to the hatchery manager and the LSRCP office.*

A progress report for October-December, 2004 was completed and distributed to the LSRCP office and the hatchery manager.

*Task 3.3.3 Prepare and submit a final report to the hatchery manager and the LSRCP office.*

Data collection was completed at the end of March 2005 and a final report for the first year was completed and distributed to the LSRCP office. The HET decided to continue the project for another year.

**GOAL 4 Facilitate inter- and intra-agency coordination and cooperation with FWS LSRCP hatchery production and evaluation programs in Idaho.**

**Objective 4.1 Act as the Service's technical coordinator for all research programs using fish produced at LSRCP hatcheries operated by the FWS in Idaho.**

*Task 4.1.1 Coordinate and facilitate Dworshak and Hagerman NFH's evaluations with the State and the NPT management and research programs.*

Other than projects already being conducted and coordinated through the HETs, there was no activity for this task during the fiscal year.

*Task 4.1.2 Coordinate and facilitate evaluation and research activities between the Idaho FRO, the DNFH, the Dworshak FHC, HNFH and other research and management agencies.*

Copies of the Clearwater Stock Evaluation report and the proposal to use PIT tags to evaluate adult returns of summer steelhead for the LSRPC program at Hagerman NFH were distributed to the IDF&G and the LSRCP offices for their review and comment. At the request of the hatchery manager at Hagerman NFH, additional information was added to that station's Comprehensive Hatchery Management Plan. The revised plan was then submitted to the Regional Office. At the request of Hagerman NFH, historical data on the water hardness at Dworshak NFH was forwarded to that station. In cooperation with the University of Idaho and Dr. Rolf Ingermann, the HET coordinated efforts to provide Dr. Ingermann with milt, eggs, and ovarian fluid from several male and female spring Chinook salmon during spawning in August and September

*Task 4.1.3 Provide leadership in the development, completion, and coordination of the Annual Operations Plan (AOP) for Clearwater River Basin production programs for calendar year 2005 and the reporting of 2004 AOP activities and performance in the fall of 2004.*

We organized and held the Clearwater Fall Coordination meeting to review 2004 production results and how well the parties did in meeting 2004 AOP activities and objectives. Release and collection numbers were covered and the status of current production was presented. We discussed the need to include some reporting data in future AOPs and set the date for a pre-AOP meeting and final date for the Clearwater AOP meeting. Scheduled and lead the Clearwater Basin Pre-AOP meeting in January and the final meeting in February. The fall AOP, reporting, and coordination meeting is scheduled for November 30, 2005. The AOP was finalized and sent out March 7.

*Task 4.1.4 Cooperate with the Tribes and the State of Idaho in the development of an AOP for the Salmon River Basin production programs.*

Our office did not participate in this process during the fiscal year.

*Task 4.1.5 Provide coordination and assistance to the NPT and the State for full utilization of excess spring chinook salmon adults returning to DNFH in 2005.*

Low adult returns of spring Chinook salmon to Dworshak NFH precluded providing surplus adults for any State or Tribal programs.

**Objective 4.2 Coordinate LSRCP activities between the Idaho FRO and the LSRCP Coordinator's Office.**

*Task 4.2.1 Upon request, provide the LSRCP Coordinator's Office with technical assistance in reviewing and/or writing project proposals, progress reports, completion reports, position papers, or other pertinent materials.*

Howard attended and participated on the CBFWA, All-H-Analysis (AHA) model workshop in Spokane, WA.

*Task 4.2.2 Provide the LSRCP Coordinator's Office with quarterly activity reports documenting progress towards meeting the objectives and tasks listed in the FY05 Statement of Work.*

Quarterly reports were submitted.

*Task 4.2.3 Track expenditures and notify the LSRCP Coordinator's Office regarding major over- or under-expenditures in the budget.*

There were no major over- or under-expenditures during FY05 and our office budget was 97.5% spent at the end of the fiscal year.

*Task 4.2.4 Participate on the Monitoring and Evaluations Guidelines Development and Review Team.*

No development of M&E guidelines was conducted during the fiscal year.

*Task 4.2.5 Provide the LSRCP Coordinator's Office with assistance on Section 7 consultations Endangered Species Act (ESA) for federal hatcheries in Idaho.*

Idaho FRO staff participated in the LSRCP/NOAA Fisheries ESA Section 7 consultation meeting in Boise in October, 2004 and provided data on collection and straying data of Dworshak NFH steelhead. Idaho FRO staff participated in the NOAA Fisheries HGMP and Salmon Recovery planning meeting in May 2005.

*Task 4.2.6 Provide the LSRCP Coordinator's Office with an annual report documenting the completion of objectives and tasks listed in the FY04 Statement of Work.*

The annual report for all the LSRCP activities conducted by our office was completed and submitted in August 2005.

*Task 4.2.7 Attend LSRCP coordination meetings, project reviews, and other meetings as required.*

In March 2005, the office participated in the annual coordination meeting in Boise and presented information on the Evaluation of the Performance of Clearwater Steelhead

Stock at Hagerman NFH. Our office attended and participated in the Hagerman NFH / IDFG marking and coordination meeting in Boise.

*Task 4.2.8 Provide assistance regarding LSRCP federal programs to the Coordinator's Office, and the Service, Regional Office on the Columbia River Fishery Management Plan and U.S. v Oregon negotiations.*

No requests for U.S. v Oregon assistance were received during the fiscal year.

**Objective 4.3 Continue to develop and maintain the information and data management system at Idaho FRO.**

The final coded-wire tag data for Dworshak BY03 spring Chinook salmon (Task 4.3.3) and the BY04 summer steelhead at Hagerman NFH (Task 4.3.4) have been submitted to the Western Washington Fishery Resource Office for review prior to being sent to PSMFC. The fish removal files for BY05 adult spring Chinook salmon at Dworshak NFH were submitted to the Columbia River FPO for inclusion in the CRIS database (Task 4.3.7).

*Task 4.3.1 Submit mid-year coded-wire tag data to the Pacific States Marine Fisheries Commission for BY03 spring chinook at Dworshak NFH.*

In June 2005, the mid-year coded-wire tag data were submitted to the PSMFC for BY03 spring Chinook salmon at Dworshak NFH.

*Task 4.3.2 Submit mid-year coded-wire tag data to the Pacific States Marine Fisheries Commission for BY04 summer steelhead at Hagerman.*

In June 2005, the mid-year coded-wire tag data were submitted to the PSMFC for BY04 summer steelhead at Hagerman NFH.

*Task 4.3.3 Submit final coded-wire tag data to the Pacific States Marine Fisheries Commission for BY03 spring chinook at DNFH.*

The final coded-wire tag data for Dworshak BY03 spring Chinook salmon were submitted to the Western Washington Fishery Resource Office for review prior to being sent to PSMFC.

*Task 4.3.4 Submit final coded-wire tag data to the Pacific States Marine Fisheries Commission for BY04 summer steelhead at Hagerman NFH.*

The final coded-wire tag data for BY04 summer steelhead at Hagerman NFH were submitted to the Western Washington Fishery Resource Office for review prior to being sent to PSMFC.

*Task 4.3.5 Submit fish distribution files for BY03 spring chinook at Dworshak NFH to the Columbia River Fisheries Program Office (FPO) for inclusion in the CRIS database after smolts leave the hatchery.*

The BY03 spring Chinook salmon distribution files from Dworshak NFH were submitted to the Columbia River Fisheries Program Office (FPO) on time.

*Task 4.3.6 Submit fish distribution files for BY04 summer steelhead at Hagerman NFH to the Columbia River FPO for inclusion in the CRIS database after smolts leave the hatchery.*

The BY04 summer steelhead distribution files at Hagerman NFH were submitted to the Columbia River Fisheries Program Office (FPO) on time.

*Task 4.3.7 Submit fish removal files for BY05 adult spring chinook at Dworshak NFH to the Columbia River FPO for inclusion in the CRIS database two weeks after the adult return is complete.*

*Task 4.3.8 Review BY04 feeding fry spring chinook Lot History File for Dworshak NFH prior to submission to the Columbia River FPO for inclusion in the CRIS database.*

The BY04 feeding fry spring chinook Lot History File for Dworshak NFH was reviewed prior to being submitted to the Columbia River FPO for inclusion in the CRIS database.

*Task 4.3.9 Submit tagging and release files to PTAGIS database for PIT-tagged BY03 spring chinook salmon released from Dworshak NFH in 2005, ensuring data is correct and current.*

PIT tag files for spring Chinook smolts were submitted in three phases: Immediately after tagging operations were completed, the raw tag files were submitted to PTAGIS on January 12, 2005. After the on-site release, PIT tag files were updated to include release time and location information and re-submitted to PTAGIS on April 7, 2005. The final submission of corrected PIT tag files, including mortalities, occurred on June 6, 2005.

#### **Objective 4.4 Develop a Statement of Work for FY06.**

*Task 4.4.1 Review the Statement of Work for FY05 and make necessary modifications and adjustments to reflect anticipated changes in the FRO Hatchery Evaluation Program for FY06.*

The FY06 Statement of Work and Budget was developed and submitted to the LSRCPC office. A subsequent modification in the budget and related activities was made at the request of the LSRCPC office to reflect changes in the Program's budget.

*Task 4.4.2 Provide the LSRCP office with out-year budgets, work plans, and project proposals as requested.*

No requests were made or other activities conducted during the fiscal year.