

**FY2012 Performance Report for
Cooperative Agreement F12AC00094
between the US Fish and Wildlife Service
and the Idaho Department of Fish and Game**

Reporting Period: October 1, 2011-Sep 30, 2012

Part 1- Spring/Summer Chinook Salmon

Work Element 1- Evaluation of Hatchery Production Programs

Tasks:

1. Summarize and report the Chinook salmon adult return data by age class for all LSRCP hatchery facilities operated by IDFG. This information will be submitted to the LSRCP office by December 31 (90 days after the end of the current contract), via the LSRCP generated Excel spreadsheet templates. Data will include:
 - a. Yearly summary of Chinook salmon trapping and disposition data for each hatchery facility.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
 - b. Harvest estimates from recreational fisheries conducted by IDFG in the Clearwater River, Salmon River and South Fork Salmon River for the current contract year.
This task was completed and the data is reported in the Excel template and the DRAFT 2012 Calendar Year Report that was submitted to the LSRCP office on December 28, 2012
 - c. Harvest estimates from non-tribal commercial and recreational, and tribal fisheries conducted downstream of Idaho for the fisheries that occurred two years prior to the current contract year. Data will include escapement estimates from fish recovered at hatchery traps and spawning ground surveys in areas downstream of Idaho
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
 - d. Yearly summary of estimated escapement by release group and age at Lower Granite Dam based on PIT tag detections.
This task was completed and the escapement estimates are provided in the DRAFT 2012 Calendar Year Report submitted to the LSRCP office on December 28, 2012.
2. Work with hatchery staffs to facilitate the summarization and reporting of Chinook salmon spawning and rearing data for all LSRCP hatchery facilities operated by IDFG for the current contract year. This information will be submitted to LSRCP office by

December 31 (90 days after the end of the current contract), via the LSRCP generated Excel spreadsheet templates. Data will include:

- a. Release location, lifestage and number of juveniles released in the current contract year including the number of marks and tags, and size of the fish.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
 - b. The estimated survival rate of juvenile Chinook salmon from each release site to Lower Granite Dam.
This task was completed and the data is reported in the Excel template and the DRAFT 2012 Calendar Year Report that was submitted to the LSRCP office on December 28, 2012
 - c. Spawning and early rearing data including: prespawn mortality, number of males and females spawned by origin, fecundity, number culled, estimated green egg take, and green-egg to eyed-egg survival rates.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
3. Submit Brood Year 2005 Completion Report to LSRCP office by October 1. This report will include lifestage specific survival components of the specified brood year from adult spawning through the return of all recruits. Specific information provided in this report will include:
- a. Spawning and broodstock management protocols of parent group including prespawn mortality and fecundity.
 - b. On station survival (green-egg to juvenile release).
 - c. Summary of marking and tagging.
 - d. Number of juveniles released by life stage and location including size of fish released
 - e. Estimated survival from release sites to Lower Granite Dam.
 - f. Cohort reconstruction (returning progeny across three return years).
 1. Harvest in Ocean, Columbia River, Snake River, and terminal fisheries
 2. Returns to hatcheries (including dispositions)
 3. Estimated number of strays
 4. Estimated number of dropouts and unintended escapement.
 - g. Estimated smolt-to-adult survival rates and progeny: parent ratios

A signed copy of the BY2005 report was submitted to the LSRCP office and is available on request

4. Evaluation of specific hatchery production strategies
 - a. *Powell volitional vs. direct release*- Evaluation of brood year 2007 release at Powell satellite facility evaluating acclimation vs. direct release to improve returns. Summarize the return of 3-ocean fish from this evaluation. The summary

will be reported in the Performance report submitted to LSRCP by December 31st of current contract year.

- b. *Sawtooth Feed Study*- Evaluation of brood year 2007 release at Sawtooth Fish Hatchery evaluating the use of a salt laced feed to improve survival. Summarize the return of 3-ocean fish from this evaluation. The summary will be reported in the Performance report submitted to LSRCP by December 31st of current contract year.

A results summary of both evaluations are provided in the DRAFT 2012 Calendar Year Report submitted to the LSRCP office on December 28, 2012

Work Element 2- Pre-season and In-season Chinook salmon fisheries management

Tasks:

1. Hatchery Evaluation staff will assist in the development of preseason run forecasts of hatchery-origin Snake River Chinook salmon back to the Columbia River mouth.

Run reconstruction data for all hatchery returns through 2012 was summarized and submitted to the IDFG Fisheries Bureau to help facilitate development of run forecasts for 2013.

2. Hatchery Evaluation staff will maintain and update daily in-season estimates of adult Chinook salmon at Bonneville, McNary, Ice Harbor and Lower Granite dam. This will help to facilitate weekly inter-agency and tribal teleconferences that are used to manage harvest share, and broodstock management for all hatchery programs in Idaho. In-season escapement estimates will be updated daily (Monday-Friday) during the Chinook migration and posted to a website that is accessible to all interested parties.

In-season spreadsheets were updated daily (Mon-Fri) during the spring/summer all fall Chinook adult migration in 2012. Daily updates were posted to the website and summarized at each of the weekly teleconference calls.

Work Element 3- Juvenile Mark, tag and release planning and associated data management

Tasks:

1. Organize and convene an annual inter-agency and tribal mark/tag committee meeting in October to facilitate coordination of marking and tagging activities that will occur the following year (May-August).

The annual coordination meeting was held on October 4, 2012 Minutes from the meeting are available on request.

2. Coordinate and submit mark and tag plans for LSRCP Chinook salmon hatcheries operated by IDFG. Mark plans will be distributed to hatchery staffs and the PSMFC

marking crew by the end of May of the current contract year for marking that will occur in the following contract year.

Mark and tag plans were developed and distributed to hatchery and marking staffs. A summary of all marking and tagging in 2012 is summarized in the 2012 Idaho Anadromous Fish Marking Program Report written by PSMFC- available from IDFG.

3. Work with LSRCF hatchery staff to develop loading plans that ensure representation of tags (PIT and CW) across family groups and rearing containers and to track family units as part of Parental Based Tagging.

M&E staff worked cooperatively with hatchery staffs to develop representative CWT and PIT loading and tagging plans.

4. Enter, validate, and maintain all marking, tagging and release data in the IDFG database.

All 2012 marking and tagging data was entered into the IDFG database and is available on request.

5. Manage, validate, and upload all PIT tag files to the PTAGIS regional database for Chinook salmon released in the current contract year.

All PIT tag files from 2012 were uploaded to the PTAGIS database.

6. Submit juvenile release information to the Fish Passage Center (FPC) in-season as fish are released from all LSRCF hatchery facilities operated by IDFG.

Hatchery release data was updated and sent to the FPC throughout 2012 as anadromous fish were released.

Work Element 4- Operation of Coded Wire Tag Laboratory

Tasks:

1. Assemble and distribute snout sample bags to all LSRCF hatcheries, to harvest monitoring staff, and to IDFG research staff that will be conducting spawning ground surveys.

This task was completed.

2. Coordinate the delivery of all snouts collected in the current contract year to the CWT laboratory in Nampa.

This task was completed.

3. Excise CW tags, read, enter and validate all CWT information into the IDFG database.

This task was completed.

4. Upload all CWT recovery information, including sample rate, into the RMIS database. This data upload will occur on or before December 31 and will include CWTs recovered in Idaho fisheries, spawning ground surveys and hatchery traps during the spring, summer, fall of the current year.

All recoveries collected in 2012 were submitted to RMIS prior to December 31, 2012. The sample rate information was not uploaded.

5. Return all non-Idaho Coded Wire tags recovered to the tagging agency as per the PSMFC tag coordinators agreement.

This task was completed

Work Element 5- Harvest monitoring for Chinook salmon recreational fisheries conducted in Idaho

IDFG staff is responsible for all recreational harvest monitoring and for the development spring/summer Chinook salmon catch estimates in the Clearwater River drainage, and sections of mainstem Salmon River and South Fork Salmon River.

Tasks

1. Work with Idaho state fish managers to implement spring/summer Chinook salmon harvest monitoring programs in Idaho where applicable.
2. Conduct harvest surveys for all recreational Chinook salmon fisheries in Idaho.
3. Maintain electronic records of all harvest data.

Fisheries were conducted in sections of the Clearwater, Salmon, and South Fork Salmon rivers. Harvest monitoring staffs conducted angler creel surveys for all Chinook fisheries and provided harvest estimates. A summary of the estimated harvest is provided in the DRAFT 2012 Chinook Calendar Year report that was submitted to the LSRCP office on December 28, 2012.

Work Element 6 – Electronic Database Systems

M&E staff will continue to collaborate with IDFG Information Systems Bureau staff, Fisheries Bureau staff, and Hatchery O&M staff in a guidance role for the development of a comprehensive relational database to house IDFG LSRCP hatchery information. Data elements will include the accounting of LSRCP hatchery production facilities over the complete life cycle of program fish.

Major tasks of M&E staff relative to development of the database will be to assemble, organize, validate and enter the historic data from all LSRCP hatchery facilities operated by IDFG

Tasks:

1. Participate in hatchery database committee meetings and help steer the database development process.
A representative from the M&E staff is on the Hatchery Database User Committee and attended all committee meetings.
2. Complete uploading process for all historical spawning and final disposition data.
Progress was made on this task but due to the changes in how dispositions are tracked, much of the data needs to be revalidated to meet the new specs. This task will carry over into 2013.
3. Work with Data Management team to develop a template to capture relevant historic hatchery incubation and rearing data.
With the changes to the development schedule, this task has been postponed until the development team is working in the incubation and rearing module.
4. Begin the data entry and validation for all historic hatchery incubation and rearing data.
Until the development team at PSMFC is ready to work on this module we are going to postpone this task.

Part 2- Summer Steelhead

Work Element 1- Evaluation of Hatchery Production Programs

Tasks:

1. Summarize and report the steelhead adult return data by age class for all LSRCP hatchery facilities operated by IDFG. This information will be submitted to the LSRCP office by December 31 (90 days after the end of the current contract), via the LSRCP generated Excel spreadsheet templates. Data will include:
 - a. Yearly summary of steelhead trapping and disposition data for each hatchery facility.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
 - b. Harvest estimates from recreational fisheries conducted by IDFG in the Snake River, Clearwater River, Little Salmon River, and Salmon River for the current contract year.
This task was completed and the data is reported in the Excel template and the DRAFT 2012 Calendar Year Report that was submitted to the LSRCP office on December 28, 2012. A summary of steelhead harvest in Idaho for run years 2007/2008 through 2011/2012 is provided at the end of this document.
 - c. Harvest estimates from non-tribal commercial and recreational, and tribal fisheries conducted downstream of Idaho for the fisheries that occurred two years prior to the current contract year. Data will include escapement estimates from fish recovered at hatchery traps and spawning ground surveys in areas downstream of Idaho
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
 - d. Yearly summary of estimated escapement by release group and age at Lower Granite Dam based on PIT tag detections.
This task was completed and the data is reported in the DRAFT 2012 Calendar Year Report that was submitted to the LSRCP office on December 28, 2012.
2. Work with hatchery staffs to facilitate the summarization and reporting of steelhead spawning and rearing data for all LSRCP hatchery facilities operated by IDFG for the current contract year. This information will be submitted to LSRCP office by December 31 (30 days after the end of the current contract), via the LSRCP generated Excel spreadsheet templates. Data will include:
 - a. Release location, lifestage and number of juveniles released in the current contract year including the number of marks and tags, and size of the fish.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012

- b. The estimated survival rate of juvenile steelhead from each release site to Lower Granite Dam.
This task was completed and the data is reported in the Excel template and DRAFT 2012 Calendar Year Report that were submitted to the LSRCP office on December 28, 2012
 - c. Spawning and early rearing data including: prespawn mortality, number of males and females spawned by origin, fecundity, number culled, estimated green egg take, and green-egg to eyed-egg survival rates.
This task was completed and the data is reported in the Excel template that was submitted to the LSRCP office on December 28, 2012
3. Submit Brood Year 2005 Completion Report to LSRCP office by October 1. This report will include lifestage specific survival components of the specified brood year from adult spawning through the return of all recruits. Specific information provided in this report will include:
- h. Spawning and broodstock management protocols of parent group including prespawn mortality and fecundity.
 - i. On station survival (green-egg to juvenile release).
 - j. Summary of marking and tagging.
 - k. Number of juveniles released by life stage and location including size of fish released
 - l. Estimated survival from release sites to Lower Granite Dam.
 - m. Cohort reconstruction (returning progeny across three return years).
 - 5. Harvest in Ocean, Columbia River, Snake River, and terminal fisheries
 - 6. Returns to hatcheries (including dispositions)
 - 7. Estimated number of strays
 - 8. Estimated number of dropouts and unharvested escapement.
 - n. Estimated smolt-to-adult survival rates and progeny: parent ratios

The Brood Year 2005 completion report was not completed by October 1, 2012. A draft report was submitted to the LSRCP office on December 28, 2012.

Work Element 2- Pre-season and In-season fisheries management

Task:

1. Hatchery Evaluation staff will maintain and update in-season estimates of adult steelhead at Bonneville, McNary, Ice Harbor and Lower Granite dam that are based on the detections of PIT tagged fish. This will help to facilitate inter-agency and tribal teleconferences that are used to manage harvest share, and broodstock management for all hatchery programs in Idaho.

In-season spreadsheets were updated weekly throughout the 2012 summer/fall migration period and presented/summarized at each of the weekly teleconference calls.

Work Element 3- Juvenile Mark, tag and release planning and associated data management

Tasks:

1. Organize and convene an annual inter-agency and tribal mark/tag committee meeting in October to facilitate coordination of marking and tagging activities that will occur the following year (May-August).

The annual coordination meeting was held on October 4, 2012. Minutes of the meeting are available upon request.

2. Coordinate and submit mark and tag plans for LSRCP steelhead hatcheries operated by IDFG and Hagerman National Fish Hatchery. Mark plans will be distributed to hatchery staffs and the PSMFC marking crew around the end of May of the current contract year for marking that will occur in the following contract year.

Mark and tag plans were developed and distributed to hatchery and marking staffs. A summary of all marking and tagging in 2012 is available in the 2012 Idaho Anadromous Fish Marking Program Report written by PSMFC- available from IDFG.

3. Work with LSRCP hatchery staff to develop loading plans that ensure representation of tags (PIT and CW) across family groups and rearing containers and to track family units as part of Parental Based Tagging.

M&E staff worked cooperatively with hatchery staffs to develop representative CWT and PIT loading and tagging plans.

4. Enter, validate, and maintain all marking, tagging and release data in the IDFG database.

All 2012 marking and tagging data were entered into the IDFG database and are available on request.

5. Manage, validate, and upload, all PIT tag files to the PTAGIS regional database for steelhead released in the current contract year.

All PIT tag files from 2012 were uploaded to the PTAGIS database.

6. Submit juvenile release information to the Fish Passage Center in-season as fish are released from all LSRCP hatchery facilities operated by IDFG.

Hatchery release data was updated and sent to the FPC throughout 2012 as anadromous fish were released.

Work Element 4- Operation of Coded Wire Tag Laboratory

Tasks:

1. Assemble and distribute snout sample bags to all LSRCP hatcheries, to harvest monitoring staff, and to IDFG research staff that will be conducting spawning ground surveys.

This task was completed.

2. Coordinate the delivery of all snouts collected in the current contract year to the CWT laboratory in Nampa.

This task was completed.

3. Excise CW tags, read, enter and validate all CWT information into the IDFG database.

This task was completed.

4. Upload all CWT recovery information, including sample rate, into the RMIS database. This data upload will occur on or before December 31 and will include CWTs recovered in Idaho fisheries, spawning ground surveys and hatchery traps during the spring, summer and fall of the current contract year.

All recoveries collected in 2012 were submitted to RMIS prior to December 31, 2012. The sample rate information was not uploaded.

5. Return all non-Idaho Coded Wire tags recovered to the tagging agency as per the PSMFC tag coordinators agreement.

This task was completed

Work Element 5- Harvest monitoring for steelhead recreational fisheries conducted in Idaho

IDFG staff funded by LSRCP is responsible for all recreational harvest monitoring in the Clearwater River drainage, Snake River, and Salmon River,

Tasks

1. Conduct harvest surveys for all recreational steelhead fisheries in Idaho.
2. Maintain electronic records of all harvest data.
3. Review current methodology of estimating catch contribution of steelhead in Idaho. The focus will be to evaluate existing time and area strata designation and targeted sample rates to achieve desired accuracy and precision of contribution estimates. Additional work will include evaluating and correcting the apparent bias associated with number of natural fish released based on the telephone surveys. This work will be completed through a subcontract administered by IDFG.

Steelhead fisheries were held in sections of the Clearwater, Snake, Salmon and Little Salmon Rivers. Harvest monitoring staff sampled fisheries in all river sections. An estimate of the stock and age composition of the harvest is provided in the 2012 DRAFT Calendar Year report that was submitted to the LSRCP office on December 28, 2012. A review of the harvest monitoring methods will continue into 2013.

Work Element 6 – Electronic Database Systems

M&E staff will continue to collaborate with IDFG Information Systems Bureau staff, Fisheries Bureau staff, and Hatchery O&M staff in a guidance role for the development of a comprehensive relational database to house IDFG LSRCP hatchery information. Data elements will include the accounting of LSRCP hatchery production facilities over the complete life cycle of program fish.

Major tasks of M&E staff relative to development of the database will be to assemble, organize, validate and enter the historic data from all LSRCP hatchery facilities operated by IDFG

Tasks:

1. Participate in hatchery database committee meetings and help steer the database development process.

A representative from the M&E staff is on the Hatchery Database User Committee and attended all user committee meetings.

2. Complete uploading process for all historical spawning and final disposition data. *Progress was made on this task but due to the changes in how dispositions are tracked, much of the data needs to be revalidated to meet the new specs. This task will carry over into 2013.*

3. Work with Data Management team to develop a template to capture relevant historic hatchery incubation and rearing data.

With the changes to the development schedule, this task has been postponed until the development team is working in the incubation and rearing module.

4. Begin the data entry and validation for all historic hatchery incubation and rearing data. *Until the development team at PSMFC is ready to work on this module we are going to postpone this task.*

Steelhead harvest and sampling summary for recreational fisheries monitored in Idaho for run years 2007/2008 through 2011/2012.

| Run | Parameter | IDFG River Section | | | | | | | | | | | | | | | | |
|---------|----------------|--------------------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 7 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 2007-08 | Number Checked | 711 | 248 | 1,356 | 323 | 446 | 555 | 135 | 314 | 443 | 316 | 425 | 1,875 | 478 | 403 | 104 | 405 | 137 |
| | Harvest | 3,928 | 2,962 | 9,080 | 2,308 | 1,847 | 4,250 | 1,911 | 2,930 | 1,502 | 803 | 2,235 | 10,826 | 2,404 | 3,254 | 1,178 | 2,656 | 994 |
| | Survey Rate | 18.1% | 8.4% | 14.9% | 14.0% | 24.2% | 13.1% | 7.1% | 10.7% | 29.5% | 39.4% | 19.0% | 17.3% | 19.9% | 12.4% | 8.8% | 15.2% | 13.8% |
| | Recovered CWT | 255 | 51 | 156 | 70 | 40 | 50 | 14 | 31 | 33 | 34 | 44 | 226 | 70 | 51 | 7 | 51 | 12 |
| 2008-09 | Number Checked | 923 | 467 | 2,520 | 812 | 566 | 869 | 445 | 240 | 516 | 204 | 440 | 1,614 | 536 | 469 | 172 | 603 | 329 |
| | Harvest | 3,975 | 1,658 | 13,801 | 4,795 | 2,707 | 4,403 | 1,424 | 3,314 | 2,433 | 880 | 1,843 | 6,382 | 2,606 | 3,691 | 1,493 | 2,646 | 1,856 |
| | Survey Rate | 23.2% | 28.2% | 18.3% | 16.9% | 20.9% | 19.7% | 31.3% | 7.2% | 21.2% | 23.2% | 23.9% | 25.3% | 20.6% | 12.7% | 11.5% | 22.8% | 17.7% |
| | Recovered CWT | 114 | 38 | 233 | 81 | 31 | 91 | 39 | 33 | 70 | 26 | 51 | 215 | 40 | 47 | 18 | 68 | 30 |
| 2009-10 | Number Checked | 2,368 | 1,491 | 2,173 | 315 | 315 | 237 | 485 | 878 | 1,283 | 1,099 | 819 | 4,179 | 840 | 1,941 | 378 | 1,076 | 347 |
| | Harvest | 9,100 | 5,219 | 13,039 | 3,031 | 2,818 | 1,862 | 4,225 | 8,560 | 5,067 | 2,144 | 6,144 | 25,293 | 6,272 | 10,296 | 3,416 | 6,590 | 3,840 |
| | Survey Rate | 26.0% | 28.6% | 16.7% | 10.4% | 11.2% | 12.7% | 11.5% | 10.3% | 25.3% | 51.2% | 13.3% | 16.5% | 13.4% | 18.8% | 11.1% | 16.3% | 9.0% |
| | Recovered CWT | 326 | 118 | 237 | 37 | 16 | 39 | 60 | 108 | 158 | 128 | 51 | 298 | 92 | 149 | 29 | 126 | 46 |
| 2010-11 | Number Checked | 590 | 835 | 1,463 | 249 | 321 | 274 | 168 | 369 | 354 | 320 | 256 | 1,232 | 400 | 507 | 140 | 335 | 96 |
| | Harvest | 3,270 | 4,083 | 10,323 | 2,630 | 3,865 | 3,833 | 1,893 | 3,199 | 3,087 | 908 | 2,951 | 8,843 | 3,359 | 3,510 | 1,126 | 2,935 | 2,335 |
| | Survey Rate | 18.0% | 20.5% | 14.2% | 9.5% | 8.3% | 7.1% | 8.9% | 11.5% | 11.5% | 35.3% | 8.7% | 13.9% | 11.9% | 14.4% | 12.4% | 11.4% | 4.1% |
| | Recovered CWT | 84 | 49 | 134 | 32 | 21 | 41 | 28 | 47 | 47 | 42 | 27 | 138 | 50 | 47 | 21 | 72 | 15 |
| 2011-12 | Number Checked | 2,654 | 1,676 | 3,700 | 712 | 554 | 276 | 508 | 590 | 1,156 | 732 | 300 | 2,510 | 526 | 650 | 168 | 754 | 546 |
| | Harvest | 7,808 | 9,502 | 26,262 | 5,950 | 6,788 | 12,244 | 5,064 | 6,524 | 6,404 | 1,170 | 5,388 | 15,488 | 4,020 | 5,082 | 1,642 | 5,142 | 7,226 |
| | Survey Rate | 34.0% | 17.6% | 14.1% | 12.0% | 8.2% | 2.3% | 10.0% | 9.0% | 18.1% | 62.6% | 5.6% | 16.2% | 13.1% | 12.8% | 10.2% | 14.7% | 7.6% |
| | Recovered CWT | 172 | 63 | 262 | 57 | 8 | 57 | 56 | 45 | 71 | 73 | 21 | 185 | 50 | 37 | 14 | 65 | 37 |

Part 3- Data Management

1.1. Program the core application of the Incubation, Rearing and Release Module.

Continue to work with the Anadromous Hatchery Database Steering Committee to define requirements of the Incubation, Rearing and Release (IRR) module. Develop working prototypes of the IRR module and demonstrate them for the Steering Committee, Technical Committee and individual hatcheries. Deploy the production IRR module by June 1, 2012.

All database development responsibilities were transferred to the PSMFC database development team. Development of the incubation and rearing module has been delayed until the trapping module is complete.

1.2. Maintain and make bug fixes to the spawning and final disposition modules.

Continue to maintain and fix bugs in all modules of the Anadromous Hatchery Database, as identified by users and prioritized by the Steering Committee.

This responsibility was transferred to the PSMFC database development team.

2.1. Finalize standardized data reports.

Build additional Web reports on the Idaho Fish and Wildlife Information System (IFWIS) as identified by the Steering Committee.

A web reporting tool was developed and maintained to provide access to all data in the database. Staff also developed a reporting tool that provides the necessary information to account for all trapping and disposition of adult Chinook salmon for the weekly in-season teleconference calls. Additionally, summary reports for adults returns and harvest summaries are maintained on the IDFG Website.

3.1 Migrate the Master Database to the Pacific States Marine Fisheries Commission (PSMFC).

Complete the migration of the master anadromous hatchery database from IDFG to PSMFC. This includes moving the database and updating the client application to upload to the database at PSMFC. Target date is February 1, 2012.

Work with the Steering Committee to identify and build Web site and reporting tools for the database hosted by PSMFC.

The database was successfully moved to the PSMFC server in Portland OR. During the 2012 trapping season the database remained operational and provided access to all participating entities.

4.1. Compile historic Chinook data

Continue compilation and entry of the historic Chinook adult trapping and event data for LSRCP and Idaho Power hatcheries into the SBHIS. Progress can be viewed at

<https://fishandgame.idaho.gov/ifwis/portal/page/anadromous-fish-hatcheries>.

While progress was made for this task, the reconfiguration and addition of database fields (e.g., disposition, purpose, etc.) that occurred with the database requires that (1) new protocols be developed for reconciliation of historic data and (2) the reconciliation process be redone for all historic data. As a result, the reconciliation between trapping and spawning/final disposition data was not completed and will continue into FY2013.

4.2. Compile historic steelhead data

Continue compilation and entry of the historic Chinook adult trapping and event data for LSRCP and Idaho Power hatcheries into the SBHIS. Progress can be viewed at

<https://fishandgame.idaho.gov/ifwis/portal/page/anadromous-fish-hatcheries>.

While progress was made for this task, the reconfiguration and addition of database fields (e.g., disposition, purpose, etc.) that occurred with the database requires that (1) new protocols be developed for reconciliation of historic data and (2) the reconciliation process be redone for all historic data. As a result, the reconciliation between trapping and spawning/final disposition data was not completed and will continue into FY2013.

4.3. Create metadata for the trapping, spawning and final disposition data

Continue development of metadata as directed by the Steering Committee.

Metadata for all historic data compilation is being recorded

4.4. Maintain and enhance the user manual for the trapping, spawning and final disposition modules

With the transfer of database development responsibilities to PSMFC, it was decided to discontinue the development of a user manual for the existing trapping, spawning and final disposition application.

5. Administration, Policy and Guidance

5.1. Steering Committee

Continue to participate in the Steering Committee and respond to priorities set by the committee.

With the transfer of database development responsibilities to PSMFC, IDFG database staff no longer participates at the steering committee level.

5.2. Technical committee

Continue to participate in the Technical Committee and respond to priorities set by the committee.

IDFG database staff participates in the User/Technical Committee and attends all committee meetings

5.3. Training

Continue to provide training as needed to hatchery personnel.

With the transfer of database development responsibilities to PSMFC, IDFG staff no longer provides training for the use of the database application.

5.4. Demonstrate SBHIS applications and reports

Demonstrate the anadromous hatchery database to interested audiences. A presentation of the Idaho Fish and Wildlife Information system is already on the agenda of the American Fisheries Society conference in Seattle during September, 2011 in which the hatchery database will be a primary focus.

With the transfer of database development responsibilities to PSMFC, IDFG database staff no longer participates at this level.

5.5. Development and data management oversight

The IFWIS manager will provide supervision, oversight and direction of the development and data management of the anadromous hatchery database and applications.

With the transfer of database development responsibilities to PSMFC, IDFG staff no longer provides supervision for the database development or data management.

5.6. Development supervision

The lead programmer at Idaho Fish and Game will provide technical direction of the development of the anadromous hatchery database and applications

With the transfer of database development responsibilities to PSMFC, IDFG staff no longer provides supervision for development of the database or database applications.