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Cooperative Agreement No.: F13AC00035

Title: Fish Distribution and Administration and Fish Marking
Annual Report
Cooperative Agreement between the U.S. Fish and Wildlife
Service and the Oregon Department of Fish and

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Fish Distribution and Administration

Objective 1: Supervise, manage policy, administratively oversee operations, and ensure safe and timely fish delivery and liberations while cultivating a safe and productive work environment at the Irrigon, Lookingglass, and Wallowa hatcheries and associated satellite facilities, along with operations associated with fish health monitoring and treatment and fish marking.

All components of Objective 1 were successfully accomplished with safe and timely deliveries of fish, and maintenance of a safe and productive work environment at all hatchery facilities and during all fish health and fish marking operations.

Objective 2: Oversee facility operations with the goal of rearing sufficient numbers of fish to produce 400,000 subyearling fall Chinook smolts, and 5,720 adult Grande Ronde Basin and 3,210 Imnaha Basin spring Chinook, 9,184 Wallowa stock and 2,000 Imnaha stock steelhead adults above the project area.

Facility operations were overseen with the following smolt releases and egg production in 2013.

Fall Chinook

Brood Year 2012: A total of 401,273 sub-yearlings were released into the Grande Ronde River, of which 54% were adipose clipped and coded-wire tagged. The smolt production goal is 400,000.

Brood Year 2013: These fish are currently on station at Irrigon hatchery and 400,000 sub-yearlings are expected to be released into the Grande Ronde River in May 2014

Imnaha Steelhead

The adult return goal is 2,000 for Imnaha stock steelhead, which are released at and return to ODFW's facility at Little Sheep Creek. Goals include taking 315,960 green eggs to produce

282,152 eyed eggs (89.3% green to eyed egg survival), and then transferring the 282,152 eyed eggs to Irrigon Fish Hatchery to produce 215,000 smolts (76.2% eyed egg to smolt survival).

Brood Year 2012: Production was completed on February 28, 2013 with the transfer of 237,149 Innaha stock steelhead smolts to the Little Sheep Creek acclimation pond. All had adipose fins removed, and 25,891 smolts were also coded-wire tagged and left ventral (LV) clipped.

Brood Year 2013: A total of 351,950 green eggs were taken during the 2013 spawning season. Approximately 284,200 eyed eggs were transferred to Irrigon Fish Hatchery.

Wallowa Steelhead

The adult return goal is 9,184 for the Wallowa stock. Mitigation goals include collecting 1,212,121 green eggs to produce 1,066,666 eyed eggs (88% green to eyed egg survival), and then transferring the 1,066,666 eyed eggs to Irrigon Fish Hatchery to produce 800,000 smolts (75% eyed egg to smolt survival).

Brood Year 2012: Rearing was completed on April 18, 2013 with the transfers of 825,637 Wallowa stock steelhead smolts to Wallowa and Big Canyon acclimation ponds. All fish had adipose fins removed. Of these, 158,156 were also coded-wire tagged and LV clipped. Fall-caught brood progeny were all marked with an additional right ventral clip: 107,659 fish were right ventral clipped and coded-wire tagged, and 149,957 fish were right ventral clipped but had no coded-wire tag.

Brood Year 2013: A total of 1,443,500 Wallowa stock eggs were taken during the 2013 spawning season, 908,500 production eggs and 535,000 fall-caught brood eggs. Wallowa Hatchery transferred approximately 1,073,000 eyed eggs to Irrigon Fish Hatchery.

Grande Ronde Basin Spring Chinook

The LSRCP production goal is 900,000 smolts to produce 5,720 adults. A total of 1,071,429 green eggs should be collected to produce 900,000 conventional smolts based on 84% green egg to smolt survival. The Grande Ronde Safety Net component can be used to supplement production numbers for the Upper Grande Ronde River stock. Production targets include:

- Catherine Creek – 46 pairs spawned to produce 150,000 smolts,
- Lookingglass Creek – 79 pairs spawned to produce 250,000 smolts
- Lostine River – 70 pairs spawned to produce 250,000 smolts
- Upper Grande Ronde River – 78 females spawned to produce 250,000 smolts

Brood Year 2011: Smolts released in 2013 include:

- Catherine Creek = 134,519. All had adipose fins removed, and 90,128 were also coded-wire tagged.
- Lookingglass Creek = 273,097. All had adipose fins removed, and 132,919 were also coded-wire tagged.
- Lostine River = 265,039. All had adipose fins removed, and 134,762 were also coded-wire tagged.

- Upper Grande Ronde River = 290,572. All fish were coded-wire tagged. Of these, 155,264 had adipose fins removed (Captive Broodstock Program), and 135,308 fish had NO external mark (Conventional Program). 2013 is the final year of Captive Broodstock Program smolt releases.

Brood Year 2013: Number of females spawned and egg take include:

- Catherine Creek = 49 females spawned yielding 186,125 green eggs and resulting in 155,649 eyed eggs, for an eye up of 83.6%.
- Lookingglass Creek = 67 females spawned yielding 249,742 green eggs and resulting in 201,754 eyed eggs, for an eye up of 80.8%.
- Lostine River = 69 females spawned yielding 294,759 green eggs and resulting in 263,330 eyed eggs, for an eye up of 89.3%.
- Upper Grande Ronde River = 66 females spawned yielding 251,184 green eggs and resulting in 230,290 eyed eggs, for an eye up of 91.7%.

Innaha Basin Spring Chinook

The current LSRCP production goal for the Innaha River is 420,000 smolts, reared in seven raceways. The NEOH long-term goal will be to produce 490,000 smolts. Based on a 420,000 smolt production, the adult return goal above the project area is 2,340.

Brood Year 2011: Smolts released in 2013 totaled 390,605.

Brood Year 2013: There were 87 Innaha stock females spawned yielding 390,184 green eggs and resulting in 359,106 eyed eggs, for an eye up of 92.0%.

Objective 3: Recruit, hire, develop and retain a diverse, effectively deployed and well trained staff.

Positions were filled and employees trained as necessary to maintain an effective and well trained staff. Positions filled this year include a 10 month working-out-of-class placement for the Lookingglass Fish Hatchery Manager, Fish and Wildlife Technician at Irrigon Hatchery and Fish & Wildlife Technician at Lookingglass Hatchery. The Irrigon Hatchery Manager was nominated for and subsequently accepted to Oregon Leadership, a State of Oregon training for future leaders. Recruitment for the vacant Lookingglass Hatchery Manager Position was held.

Objective 4: Maintain all appropriate permits necessary for operations, including any and all ESA related items.

All appropriate and necessary permits were maintained.

Objective 5: Ensure and oversee appropriate maintenance of all facilities and equipment.

Appropriate maintenance of all facilities and equipment was maintained.

Objective 6: Manage policy and procedures to meet annual adult fish escapement and juvenile fish rearing goals, as described in a NOAA Fisheries approved HGMP.

Policies and procedures were maintained to meet goals in HGMP.

Objective 7: Oversee and ensure the development of an Annual Operations Plan for LSRCP Grande Ronde and Imnaha Basin facilities and production in Oregon.

The Annual Operations Plan was developed and finalized in consultation with and agreement from all co-managers.

Objective 8: Oversee the fish marking program at LSRCP Grande Ronde and Imnaha Basin facilities in Oregon.

The fish marking program at LSRCP Grande Ronde and Imnaha Basin facilities was effectively overseen.

Objective 9: Schedule all fish transportation associated with the LSRCP Grande Ronde and Imnaha Basin program in Oregon.

Fish transportation was scheduled and accomplished safely and timely for the LSRCP Grande Ronde and Imnaha basin programs.

Objective 10: Maintain real property and personal property inventories for all facilities and equipment.

Property inventories were maintained for all facilities and equipment.

Fish Marking

Objective 1: ODFW will develop the annual fish marking plans for LSRCP fish production, and ODFW will oversee fish marking schedules and activities.

Developed annual fish marking plans for LSRCP fish production and oversaw fish marking schedules and activities.

Objective 2: Develop the annual fish marking budget and Statement of Work and submit to LSRCP by June 15.

Fish marking budget and SOW were submitted to LSRCP.

Objective 3: Contribute to the development of the Grande Ronde and Imnaha program AOP.

Contributed to development of the AOP.

Objective 4: Maintain equipment and recommend and implement improvements.

Equipment was maintained and improvements implemented as necessary.

