

Monthly Progress Report

DATE: May 12, 2008

TO: ODFW: Guy Chilton/ Fish Division - Scott Patterson / NE Region – Bruce Eddy
– Brad Smith

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Nez Perce Tribe: Johnson - Hesse - Zollman

CTUIR: Boe – McLean – Zimmerman

FROM: Wallowa Hatchery (Jeremy Sommer)

SUBJECT: Monthly Progress Report for April 2008

Fish Culture

Wallowa

Captive Spring Chinook Parr

Current captive parr program summarized below. No stated goal for loss or survival rate.

Stock/Cohort	Number Collected (life stage)	Number On Hand	Cumulative Transfers and liberations	Mortality Current Month	Production Goal	% of Goal	Size	Meeting Goal? (Yes or No)
GR/06 – Conventional	168 (eggs)	0	0	0	150	103%	Shipped to B-ville	Yes
GR/06 - Wild	152 (par)	0	0	0	150	100%	Shipped B-ville	Yes
GR/07 - Conventional	159 (par)	158	0	0	150	105%	680	Yes

- The staff has continued daily feeding and tank maintenance. Jeremy developed feed schedules, projected growth rates and updated monthly ponded fish reports.
- Don and his research crew were here on the 7th for final brood year '06 inventory and transfer designations. Mary Edwards transferred the fish out to Bonneville on April 21st.

Summer Steelhead Smolts

- 364,070 smolts were released between April 6th and 7th. The first acclimation group was a 24 hour volitional/forced release.

- The second acclimation smolt group arrived at Wallowa between April 14th and 15th, and was ponded in the lower acclimation pond only.
- Fish health was here prior to liberations for pre-release health examinations.
- A 12-day volitional release of the Wallowa steelhead smolts began on April 26th.

Stock/Cohort	Number On Hand	Cumulative Transfers and liberations	Production Goal	% of Goal	Size	Meeting Goal? (Yes or No)
5607 STS - Wallowa	0	364,070	360,000 1 st release	101%	4.40	Yes
5607 STS - Wallowa	121,437	0	120,000 2 nd release	101%	4.37	Yes

7207 Rainbow Trout

- The trout to be released in high mountain lakes this July are eating well and developing a well fed appearance and activity level.

Stock/Cohort	Number On Hand	Cumulative Transfers and liberations	Production Goal	% of Goal	Size	Meeting Goal? (Yes or No)
7207 trout	42,227	0	40,000	106%	650	Yes

Wallowa Hatchery Steelhead Adults

- The adult run has peaked out during April. 2655 adults have been collected at Wallowa Hatchery, well exceeding the projected return of 2139 for the year, of which 324 are RV clipped adults. We surmise the reason for the good return is the exceptional treatment the fish receive here prior to release including weekly massages and a cool Sake bath. Of the collected adults, 1769 have been donated to food banks and 150 released to ponds.
- As of April 30th, we have completed all spawns and collected an estimated 1,185,625 eggs from 225 pairs of adults.

Lot Species	Number Collected	Number On Hand	No. of females to spawn Goal	% of Goal	Expect to Meet Goal? (Yes or No)
5608 STS	2331	0	180	100%	yes
5608 – STS (RV clipped)	324	0	45	100%	Yes

**RV clipped adults are the progeny of the Fall Collected Brood program*

Big Canyon

Summer Steelhead Smolts

- The first acclimation of summer steelhead smolts was completed on April 9th - 10th. This was a 24 hour volitional/forced release.
- The second acclimation group arrived between April 15th and 17th. A 10 day volitional release will begin in early May.
- Fish health was here prior to liberations for pre-release health examinations.

Stock/Cohort	Number On Hand	Cumulative Transfers and liberations	Production Goal	% of Goal	Size	Meeting Goal? (Yes or No)
5607 STS – BI	0	160,571	160,000 1 st release	100%	4.27	Yes
5607 STS – BI	160,230	0	160,000 2 nd release	100%	4.33	Yes

Steelhead Adults

- The fish have finally arrived at Big Canyon. At months end, 1129 hatchery adults and 46 wild fish had entered the trap. All wild fish were released into Deer Creek for natural spawning. Of the hatchery adults, 110 adults were out-planted to ponds, 77 were recycled downstream, and 923 (including re-runs) were given to schools and food banks.

Little Sheep

Summer Steelhead Smolts

- Little Sheep acclimation began a 28 day volitional release on April 1st. After pre-release examinations and sex-ratio testing, it was determined that the remaining smolts will be forced out in the 1st week of May.

Stock/Cohort	Number On Hand	Cumulative Transfers and liberations	Production Goal	% of Goal	Size	Meeting Goal? (Yes or No)
2907 STS	171,545	0	165,000	104%	4.8	Yes

Steelhead Adults

- The Little Sheep adults have finally returned with 731M and 571F collected by month end as well as 55 wild males and 54 wild females. We are on track to meet the expected return of hatchery and wild adults.
- There were 4 spawns in April with a resultant estimated egg take of 198,400 eggs. We are estimating that there will be three more egg takes from Little Sheep required to meet our goal.

Lot Species	Number Collected	Number On Hand	No. of females to spawn Goal	% of Goal	Expect to Meet Goal? (Yes or No)
2908 STS	1411	27	23	63%	yes

Fish Health

- There was no April mortality in the recently arrived GR07 Captive group. We expect one fish to drop out still, but otherwise the group appears very healthy.
- The display trout mortality has just about abated. There has been no mortality in both the 2007 well and spring water whirling disease test groups this month.
- The 7207 stock rainbow for this summers' mountain lake liberations have had a marked decline in early feeding and ponding related mortalities. They are exhibiting typical and healthy behavior for fry.
- Health appears excellent in the 5607 and 2907 summer steelhead smolt groups.

Fish Distributions

- At months end, 100 adults have been out-planted to Marr Pond, and 50 adults released into Wallowa Wildlife Pond, from the Wallowa Hatchery Facility. Food bank give-aways from Wallowa Hatchery are at the following cumulative totals: 107 adults to Union Food Bank, 678 adults to AARP of La Grande, 446 adults to Lighthouse Church, 224 adults to Elgin Food Bank, 196 to Enterprise Community Connection and 51 to Wallowa Community Connection. In addition, 77 adults were given to schools and 14 wild adults released into the Wallowa River.

- 364,070 smolts were released from Wallowa Hatchery during the 1st acclimation release. 121,540 smolts were received from Irrigon Hatchery for the 2nd acclimated release.
- 439,250 eggs were shipped to Irrigon Hatchery and 1200 picked up for STEP programs.
- Fish distributions for Big Canyon to date include 46 wild adults to Deer Creek, 50 adults to Roulet Pond, 40 adults to Peach Pond, 20 to Wallowa Wildlife Pond and 77 adults recycled downstream at the Minam boat ramp. Food bank distribution included 86 adults to Union Food Bank, 220 to Lighthouse Church, 291 to the Elgin Food Bank, 266 to North Powder/ Baker City Food Banks, and 60 to schools.
- 160,571 smolts were released from Big Canyon for its first acclimation release. 160,510 smolts were received from Irrigon hatchery this month for the 2nd acclimated release.
- At Little Sheep, 101 wild adults were passed to Little Sheep Creek. 96 Hatchery adults were released in Little Sheep Creek and 1068 into Big Sheep Creek. 42 hatchery adults were euthanized to be used for nutrient enrichment in biologically designated streams.

Maintenance

Wallowa

- Several more fry baskets were fitted with new wooden frames.
- Miller's plumbing was here to install a new faucet and hot water in to residence #2.
- Annual hoist inspections were completed by Vemco Industries at all three facilities.
- The captive room was disinfected and pressure washed, and feeders and flow meters were cleaned after the smolts were transferred out.
- Improvements to the Manager's house this month included installation of electrical power to cement pad, re-building a collapsed stone wall, installing new light fixtures and a lot of re-painting and texturing.

Big Canyon

- Dry wall replacement and painting was completed in the bunk house after an air intake vent and duct were installed during the previous month. Suzette also painted some facia and soffets.

Little Sheep

- The remains of the feed shed were disassembled and loaded onto a trailer for disposal as well as an old Satellite dish from the roof.
- Noxious weeds were burned, and the grounds were prepped for mowing. The facility has a nice green lawn now and at least 15 new trees thanks to the strong effort of Steve Deal over the last several acclimation seasons.

NPDES Waste Discharge Permit Monitoring

- April was a month of highest production. Water, flow, and pH samples were taken as required.
- The daily chemical use log was updated onto our monthly chemical use log as required.

Public Outreach

- We have had 5 school groups visit the hatchery on spawning days this month as an ongoing program to educate students on the life-cycle, science and techniques of steelhead spawning.
- Caleb Klages, a student volunteer, assisted in spawning operations several times this month. His help was much appreciated.
- A large number of fish, 2565 adults, have been donated to local food banks in Wallowa, Union and Baker counties and 137 to schools. The response this year has been tremendous.

Miscellaneous

- A group from LSRCP visited the facilities on the 3rd.
- Butch Harty was here on the 8th to discuss possible implementation of UV systems at Wallowa Hatchery.
- Jeremy assisted Lookingglass staff with partial installation of the Gumboot facility weir, and pond and ladder set up.

Personnel Status

- Ron Harrod started as the new hatchery manager on the 1st.
- Hank Ray completed his seasonal position on the 30th. He will be heading down to Klamath hatchery for the next few months, and if we are lucky, will be back in late August.
- April is our busiest month at Wallowa and its facilities. We have had little time for anything other than fish culture this month.

As Of 4/30/08

Adult StS Collection and Distribution

		On Hand		Collected		Released		Spawned	
		M	F	M	F	M	F	M	F
Wallowa	Hatchery	0	0	1370	947	0	0	179	178
5608 StS	Wild	0	0	6	8	6	6	0	1
	RV	0	0	202	122	0	0	46	46

		On Hand		Collected		Released		Re-Runs	
		M	F	M	F	M	F	M	F
Big Canyon	Hatchery	0	0	566	563	56	21	25	13
5608 StS	Wild	0	0	26	20	26	20	0	0

		On Hand		Collected		Released		Spawned	
		M	F	M	F	M	F	M	F
Little Sheep	Hatchery	21	3	731	571	662	502	35	36
2908 StS	Wild	2	1	55	54	53	49	0	4

Distribution

Distribution	Food Banks		To Ponds		Wallowa R Upstream		Wallowa R Downstream	
	M	F	M	F	M	F	M	F
5608 StS								
Hatchery	1473	1092	199	61	0	0	56	21
Wild								

Distribution	Little Sheep		Big Sheep		Bull Trout Total to Date Trap Status	Little Sheep Open	Big Canyon Open
	M	F	M	F			
2908 StS						0	0
Hatchery	60	36	602	466			
Wild	53	48	0	0			

As of 4/30/08

StS Egg Collection Summary

	Females Spawned	Estimated Egg Take	% Egg Loss	Eyed Eggs Shipped	Actual Fecundity
	Wallowa				
5608 StS	225	1,143,000	9.9%	440,450	2,225
Little Sheep					
2908 StS	40	198,400	0.0%	0	0

As Of 4/30/08

Monthly StS Smolt Summary Sheet

	On Hand (end of month)			Received (this month)		Liberated (this month)	
	Number	Pounds	No/Lb	Number	Pounds	Number	Pounds
Wallowa 5607	121,437	27,789	4.37	121,540	26,910	364,070	82,773
Big Canyon 5607	160,230	37,033	4.33	160,510	35,520	160,571	37,562
Little Sheep 2907	171,545	35,739	4.80	0	0	0	0