

# Lyons Ferry Hatchery - WDFW



# Overview

## Fall Chinook Program

- Snake River Fall Chinook

## Spring Chinook Program

- Tucannon Spring Chinook
- Touchet Spring Chinook

## Steelhead Program

- Wallowa
- Touchet
- Tucannon

## Rainbow Trout Program

## Projects



# Snake River Fall Chinook

- LFH On-Station Release

1.2 million sub-yearlings  
(P1,P4,P11)

- FCAP

Big Canyon – 850K (P3,P7)

Captain John – 650K (P2,P6)

Salmon River – 600K (P5,P8)

- Irrigon

Salmon River IPC – 1 mil (P9)

Grande Ronde – 500K (P10)

Couse Ck. – 600K (P12)

Table 1. *US v OR* 2018-2027 Management Agreement Table B4

Priority	Production Program					
	Rearing Facility		Number	Age	Release Location (s)	Mark/Tag
1	Lyons Ferry		500,000	0+	On Station	500,000 Ad/Cwt
2	Lyons Ferry		450,000	0+	Captain John Rapids	100,000 Ad/Cwt 350,000 Unmarked
3	Lyons Ferry		450,000	0+	Big Canyon	100,000 Ad/Cwt 350,000 Unmarked
4	Lyons Ferry		500,000	0+	On Station	500,000 Ad Only
5	Lyons Ferry		400,000	0+	Salmon River (NPT)	100,000 Ad/Cwt 300,000 Unmarked
6	Lyons Ferry		200,000	0+	Captain John Rapids 2	100,000 Ad/Cwt 100,000 Unmarked
7	Lyons Ferry		400,000	0+	Big Canyon 2	100,000 Ad/Cwt 300,000 Unmarked
8	Lyons Ferry		200,000	0+	Salmon River (NPT)	100,000 Ad/Cwt 100,000 Unmarked
9	Irrigon		1,000,000	0+	Salmon River (IPC)	100,000 Ad/Cwt 100,000 Ad Only 800,000 Unmarked
10	Irrigon		500,000	0+	Grande Ronde (Big Canyon)	100,000 Ad/Cwt 400,000 Ad Only
11	Lyons Ferry		200,000	0+	On Station	200,000 Ad Only
12	Irrigon		600,000	0+	Couse Creek (Snake)	100,000 Ad/Cwt 250,000 Unmarked 250,000 Ad Only
Total	Subyearlings		5,400,000			



# Spring Chinook

## Tucannon Spring Chinook

- Adults collected at the Tucannon Adult Trap
- Goal is 80-85 pair
- Raised at LFH until following September – October then transferred to TFH for final rearing and release, 12 fpp
- Three release locations (TFH, mouth, Kalama Falls Hatchery)
- As of BY23, 50K are transferred to Kalama Falls in November and released from there in late March. When adults return they will be transported back to LFH to be spawned





# Spring Chinook

## Touchet Spring Chinook

- Adults are collected at the Touchet River Adult Trap.
- Adults are transported to LFH
- Egg take goal is 265K
- If egg take goal is not achieved, Carson National Fish Hatchery supplements the remaining egg needs.
- Fish are acclimated at the Dayton Acclimation Pond from ~Feb. 1<sup>st</sup> – the third week of March
- Release goal is 250K @ 12 fpp





# Steelhead

## Wallowa Steelhead

- All adults are trapped in Cottonwood Ck.
- Egg take goal is 450K green eggs
- Eggs are transferred to LFH where they are fertilized and put in hatch stacks
- 225K transferred to Cottonwood Acclimation Pond ~Feb 1<sup>st</sup> and release is from April 1<sup>st</sup> – April 15<sup>th</sup>
- 100K transferred to Dayton Acclimation Pond the last week of March and released 10-14 days later
- 60K release on-station at LFH mid April





# Steelhead

## Touchet Endemic Steelhead

- Trapped at the Touchet Adult Trap
- Adults transferred to LFH
- 60K-65K egg take goal
- Release goal of 50K
- Transferred to Dayton Acclimation Pond the third week of March and released 10-14 days later at 4.5-6 fpp





# Steelhead

## Tucannon Endemic Steelhead

- Adults collected at the Tucannon Fish Hatchery Adult Trap and transferred to LFH
- 2 programs – Conservation (50K, 100% CWT only) and Mitigation (100K, 75K Ad Only, 25K Ad+CWT)
- Target size 4.5-6.5 fpp
- Conservation program released upstream of TFH at Curl Lake Acclimation Pond
- Mitigation program is released between the TFH and TFH intake
- Target size 4.5-6.0 fpp





# Rainbow

## Spokane Rainbow

- 16K transferred to and planted by IDFG in Sept./Oct. @ 3.0 fpp
- 32.5K to southeast WA lakes in Oct. @ 3.0 fpp
- 74K planted @ 2.5 fpp in SE WA lakes starting at the end of Feb.
- 1K planted @ 0.67 fpp in SE WA lakes starting at the end of Feb.
- 3.65K transferred and planted by NPT in May at 0.67 fpp
- 2.5K planted in March-June (TSS)
- 94K raised at TFH





# Notable Projects

- Marmes Rebuild x2
- New Head Tank Troughs and Degassing Canisters
- New Generators/Building
- New Formalin System in SS Inc. Rm
- New Roof Skirting on Adult SH Bldg
- New Paint on All Houses
- New Valves at Marmes Well Site (will be complete this summer)
- New Roof on FHS 3's Office
- New Windows for All Residences (windows on-hand, installation in July)
- Backup Breakers for Generators and MCC's
- New Disconnects for 3 Pumps
- Well Vault Ventilation Systems
- New Pagers for Alarm System (in the works)
- New Asphalt for 90% of Hatchery





# Future Projects Potentials

- Line the Sides of All 3 Rearing Lakes
- Otter Fence Around Lakes
- NS and SS Generators
- Wing Walls at Release Structure at Cottonwood
- New Trap and Holding Area at Cottonwood Acclimation Pond
- New Roof and Extend the Eaves at Cottonwood Bunkhouse and Dayton Acclimation Pond
- Bird Netting for all 3 Rearing Lakes
- Alarm System Upgrade (New PLC's at 4 remote locations, New Radios at Each Location, and New UPS's at Each Location)
- SS Incubation Room Expansion





# Questions

