



Nez Perce Tribe DFRM – Research Division

History

Full complement of FINS data was very time consuming and came with a lot of issues. Switched to “FINS Light”, less filling but provided some core information.

1. PBT Tracking
2. Broodstock Management
3. Course Survival
4. Release Information



What goes into FINS?

1. Trapping/Hauling (30 Min. per trap check) Males/Female/Jacks
2. Holding (2-4 hours per season) Tracking pond morts and surplus broodstock outplanting.
3. Spawning (1 to 6 hours per egg take) Full complement of data.
4. Incubation (3 hours per season) Green Eggs – Eyed Eggs
5. Rearing (4 hours per release group) Mortality – Marking & Tagging with count corrections. (the real time saver)
6. Release (30 minutes per release group) Release numbers with marks and tags, pre-release information)

What comes out of FINS?

Trapping and Holding

1. Trapping/Broodstock numbers are updated every week. (Clearwater Coordination Calls)
2. ESA Reporting
3. Trapping queries



What comes out of FINS?

Spawning

1. PBT Tracking ends and starts here.
2. Spawning queries for ESA Reporting



What comes out of FINS?

Incubation & Rearing

1. Queries for Culls (high ELISA) and In-Hatchery survival at various life stages.

What comes out of FINS?

Release

1. Queries for Release numbers with marks and tags, dates, locations and condition.
2. PBT tracking spawn to release locations.



Hatchery Administration FINS Use

2025 LSRCP ANNUAL MEETING

What I do

QA/QC products that go to M&E

Identify and find resolution for discrepancies within that data

SAWTOOTH FISH HATCHERY
BY2024 STEELHEAD RUN REPORT



Prepared by:
Sawtooth Staff

More things I do

Query the Fish Return Summary and Trapping/Holding modules

- Coordination call updates
- Information requests

Side benefit: data interaction and fluency; QA/QC

What I don't do

Use FINS for rearing/production metrics

Enter data or pretend to know how to

Physically fix data entry errors

- FINS staff support has been key in accomplishing this

What are the results

Better data out of the hatcheries to M&E

- Improved hatchery operations

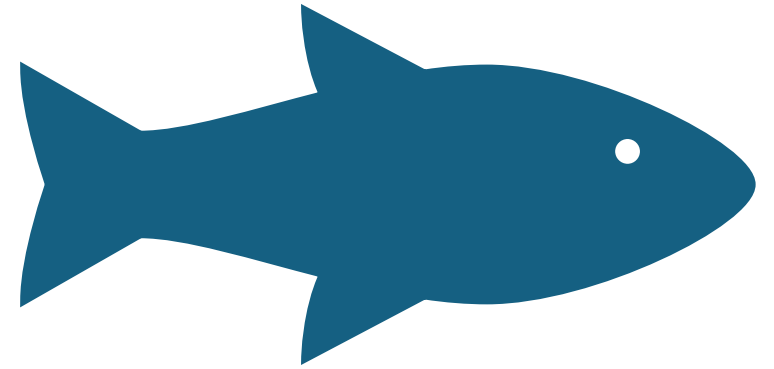
Better efficiency with in-season coordination

- Improved resource utilization and fisheries management

Ultimately, better harvest-based mitigation

Sawtooth Fish Hatchery FINS Use

2025 LSCRP Annual Meeting



Data Organization

- We collect a ton of data throughout trapping, spawning, and rearing on Chinook Salmon, steelhead trout, and other native species
- FINS keeps the data organized and accessible to everyone
- Use the data to write run reports and track historical information
- Fewer information requests because people can find most of what they need in FINS

Actions Module

- Trapping, Holding, and Spawning in season
 - Trapping numbers published on website
 - Holding numbers to plan fish distributions
- Incubation
 - Track inventory
 - Egg shipments
- Rearing
 - RPS to track basic metrics
 - Use in-house summary to track more specific metrics
 - Populate department HPS

Query Module

- We use queries as a quality assurance tool
 - To check against paper numbers
 - To make corrections when needed
- Release
 - Track overall survival from green egg to release
- Fish Return Summary to write Run Reports
 - Includes all information on trapping, spawning, and final disposition

Magic Valley FINS data entry

Egg receiving from Sawtooth/Pahsimeroi (May/June)

Early rearing in vats (June-August)

Post marking/move to outdoor raceways (September) apply identifiers (AD, CWT, PIT)

Release (April)

In-between all these big moves, monthly morts and rearing metrics are applied.

Monthly Rearing Inventory

Rearing-Inventory ✖

	Rearing Array	Target Release Date Range	Array Release Goal	Juvenile Total	Shed Rate %	Retention Rate %	Sample Date/Time	Sample Size	Sample Retention	Rate Notes	Original CWT Total
▶	HNFH SH BY2024 EFNat			46260							
✚	HNFH SH BY2024 SawA			1486364							
	HNFH SH BY2024 SawA	Fish Length (Fork Length in in)	Fish Per Pound	Average Fish Weight (lb)	Total Weight (lb)	Incubation Live Count	Auto Generated Count	Juvenile Count	Morts/Loss	Mark	
▶	BankA					953808		518665	7275	AD (518665)	P
✚	BankB					671188		523059	5992	AD (523059)	P
	BankB	Fish Length (Fork Length in in)	Fish Per Pound	Average Fish Weight (lb)	Total Weight (lb)	Incubation Live Count	Auto Generated Count	Juvenile Count	Morts/Loss	Mark	Tag
▶	RcwyB2	9.12 Calculated	3.56	0.2809	7564.89	58811		26931	450	AD (26931)	
▶	RcwyB3	8.95 Calculated	3.77	0.2653	7746.42	31006		29204	197	AD (29204)	
▶	RcwyB4	8.95 Calculated	3.77	0.2653	8560.74	58371		32274	351	AD (32274)	
▶	RcwyB5	9.04 Calculated	3.66	0.2732	7772.68	31133		28448	342	AD (28448)	
▶	RcwyB6	8.77 Calculated	4.01	0.2494	7454.11	58865		29891	312	AD (29891)	
▶	RcwyB7	9.00 Calculated	3.71	0.2695	8021.02	31070		29758	388	AD (29758)	
▶	RcwyB9	8.70 Calculated	4.10	0.2439	7329.27	58404		30050	310	AD (30050)	
▶	RcwyB10	8.25 Calculated	4.81	0.2079	6002.70	31492		28873	257	AD (28873)	

HNFH
Rearing
arrays

	Rearing Array	Juvenile Total	Shed Rate %	Retention Rate %	Sample Date/Time	Sample Size	Sample Retention	Rate Notes	Original CWT Total	Adjusted CWT Total	Original Mark/Tag Rate
▶	MVFH SH BY2024	693226									
✚	MVFH SH BY2024	882335									

	MVFH SH BY2024 USRB	Auto Generated Count	Juvenile Count	Morts/Loss	Mark	Mark Rate	Tag	Tag Rate	PIT	Shed Rate %	Retention Rate %
▶	RcwyE10A		30893	1125			CWT [10-00-43]...	100.00%	<input type="checkbox"/>		
▶	RcwyE10B		31149	886			CWT [10-00-43]...	100.00%	<input type="checkbox"/>		
✚	RcwyE11A		30927	1073			CWT [10-00-43]...	100.00%	<input type="checkbox"/>		

Female ID	Cross/Group ID	Lot #	Species	Stock	S A	Stock Facility	S D	Program	Incubation Live Count	Samples	Eye Up Rate
OmyPAHH24S0829, OmyPAHH24...	Tray15_028a	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	16202	PATH-OV 0829, GEN OmyP	94.70%
OmyPAHH24S0817, OmyPAHH24...	Tray9_c21f	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	10389	PATH-OV 0817, GEN OmyP	81.91%
OmyPAHH24S0825, OmyPAHH24...	Tray13_a469	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	14632	PATH-OV 0825, GEN OmyP	90.71%
OmyPAHH24S0821, OmyPAHH24...	Tray11_9ec3	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	11692	PATH-OV 0821, GEN OmyP	83.60%
OmyPAHH24S0823, OmyPAHH24...	Tray12_0b28	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	13059	PATH-OV 0823, GEN OmyP	95.79%
OmyPAHH24S0819, OmyPAHH24...	Tray10_a2ca	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	11248	PATH-OV 0819, GEN OmyP	83.56%
OmyPAHH24S0831, OmyPAHH24...	Tray16_c8a3	1 USRB	Steelhead	Pahsimeroi		Pahsimeroi Fish Hatchery		Segregated	16414	PATH-OV 0831, GEN OmyP	96.43%

MVFH
Rearing
arrays