

# LSRCP 2032 – IDFG Perspective

John Cassinelli – Anadromous Fisheries  
Manager

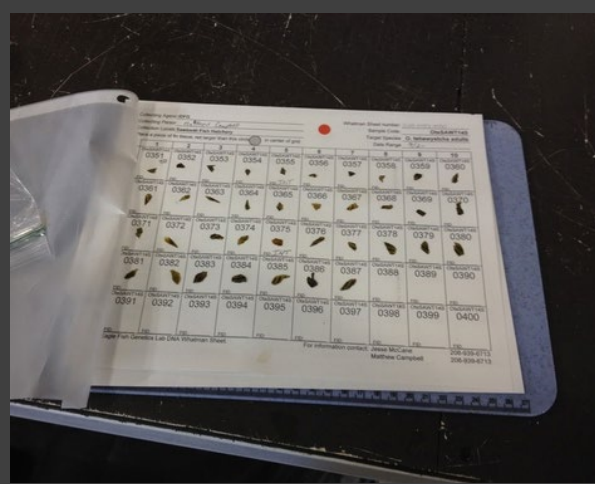
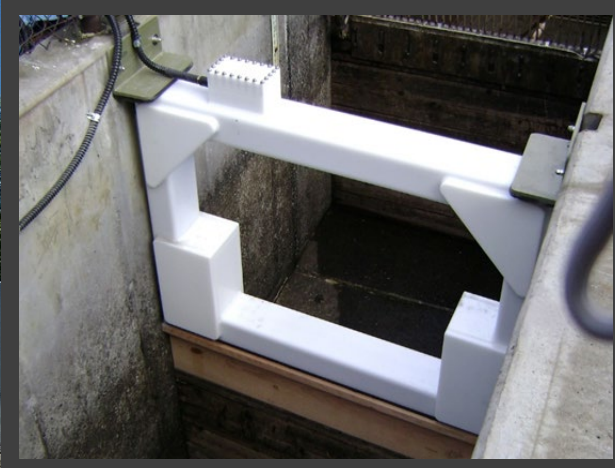




2010-2020 Idaho Sport Angler Harvest for  
LSRCP Facility-Produced fish =  
28,986 Sp/Su Chinook



- Hatchery harvest mitigation doesn't exist in a vacuum
  - Advances in genetic monitoring (PBT, GSI, etc.)
    - More accurate run reconstruction
    - More accurate calculations of harvestable shares
    - Better stray accountability
  - Increased priority of Integrating broodstocks
  - Ongoing hatchery supplementation evaluations
  - Automated marking and tagging
  - FINS Database



- Notable program highlights

- Coordination

- US v OR
- AOP's
- In-season conference calls and harvest management
- Post-season wrap-up
- Long-term planning with NPT

- Production adaptability

- Increases in production
- Backfilling rearing space
- Localized broodstock collection
- Maximizing space

- Fish health lab



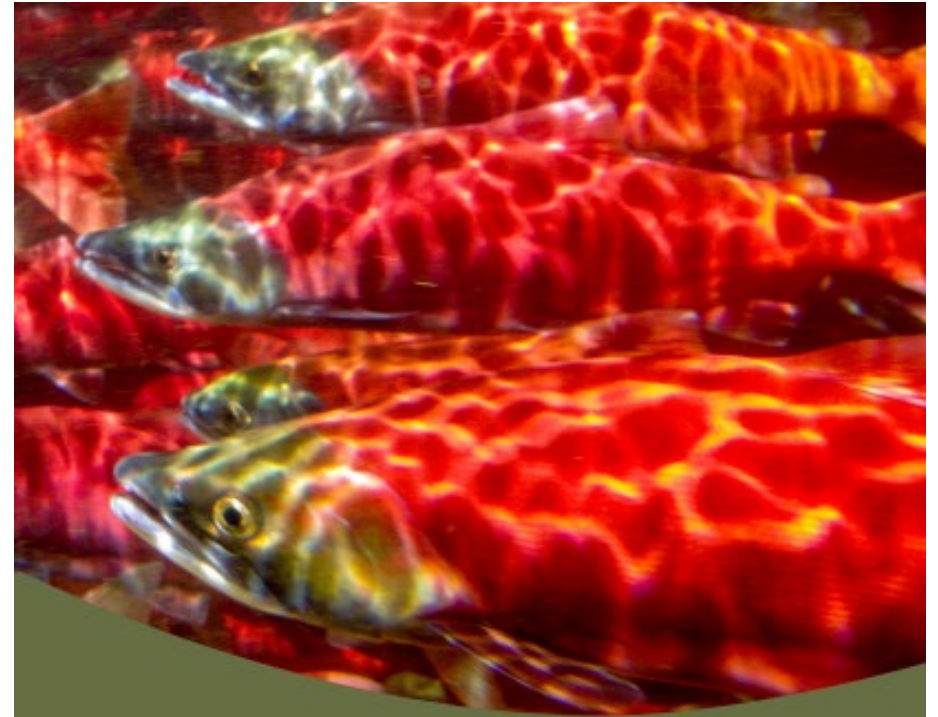
# What infrastructure needs do you foresee?

- Existing Deferred Asset Management list
  - Compliance
  - Energy efficiency
  - Fish health
  - Human safety
  - Improvements
  - Infrastructure
- Asset Management Team has developed a Deferred Maintenance list through 2027
  - Exceeds current funding amounts
  - Only projects currently funded are FY23
- How does additional production fit in?
- Operating in a changing climate?

# What management considerations are important to you?

---

1. Strive to maximize survival of juvenile fish to adulthood using effective disease control, fish culture practices, and release strategies
2. Produce sufficient numbers of fish to maintain and enhance sport and tribal fisheries
3. Implement experimental supplementation programs as appropriate and as guided by current genetic theory and science



## **Fisheries Management Plan**

2019-2024

A Comprehensive Guide to  
Managing Idaho's Fisheries Resources



*This document was adopted by the*  
**IDAHO DEPARTMENT OF FISH AND GAME COMMISSION**  
*June 2019*



What  
opportunities  
do you see  
within the  
program?

- Continued refinement of production to maximize overall returns
  - Efficiency
    - What opportunities exist to improve existing program?
  - Growth
    - Strategic planning
    - Coordinated
    - If appropriate, evaluated

# What research needs does LSRCP need to address?

- Impacts of any significant changes to maximize production
  - Rearing density
  - Size-at-release
  - New release site acclimation
  - Release timing
- Trade off between cost and time of evaluations vs. management need
  - Use of existing science
- Continued progress in evaluating above-weir supplementation
- Climate impacts?



# How can LSRCP help you achieve your fishery objectives?

---

- Adequate funding
  - Maximize and/or expand production
  - Remain efficient and cost effective
- Continued support of programs from egg collection to adult returns (full life cycle)
  - Important pieces beyond mitigation to LGD
    - Harvest contributions in the Columbia and Snake basins



What do you  
want the  
LSRCP  
program to  
achieve in  
the next 10  
years?

- Keep facilities up to date
  - Safe and functional
- Progress towards meeting mitigation goals
  - Fully utilize existing rearing space
  - Expansion
- Continued monitoring and evaluation to maximize program success
- All of this is driven by adequate funding and appropriate coordination

# Anticipated challenges?

- Funding needs
- ESA constraints
- Climate change challenges
- Marking and hauling constraints
- Anti-hatchery sentiment
  - Costs associated with fish culture
  - Impacts on carrying capacity in mainstem Columbia and estuary

# Summary

- The LSRCP Program has a lot of progress and success to be proud of
- However, many of the programs still aren't fulfilling their mitigation requirements
- Steps towards better fulfilling these requirements need to include
  - Science-based approach
  - Continued strong coordination
  - Adequate funding