

A large, dense school of salmon swimming in water. The fish are packed closely together, creating a vibrant, textured scene of orange, red, and green scales. The water is dark and turbulent, with white foam and bubbles visible around the fish. The overall image has a high-contrast, somewhat abstract quality due to the sheer number of fish and the play of light on their scales.

Fisheries Program Update

April 27, 2020

Why we're here today

- Skaha and Okanagan Lake Sockeye Reintroduction

Catherine Willard

- Habitat Conservation Plans – Project Confirmation Studies

Lance Keller

Skaha and Okanagan Lake Sockeye Reintroduction

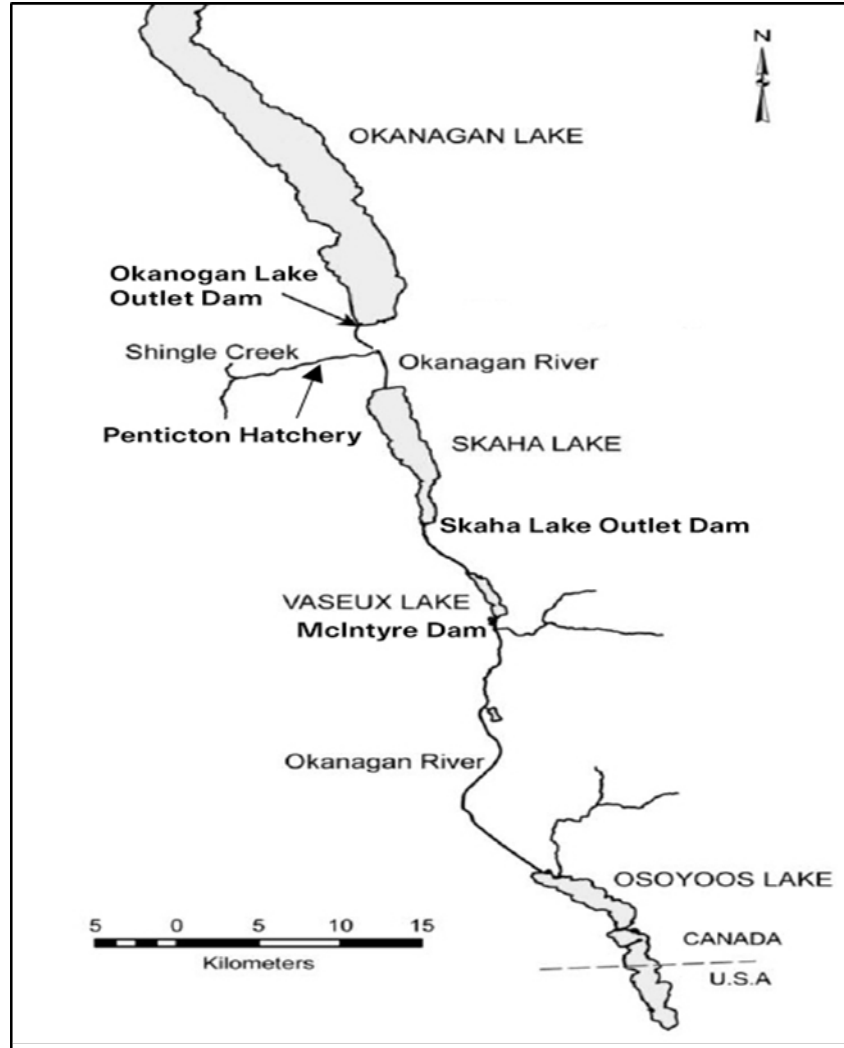
- 12-year program to reintroduce sockeye into Skaha Lake
- Habitat Conservation Plans, Hatchery Committees Statement of Agreement (SOA), 2010
 - Credit for natural-origin smolts and fry produced from the District funded-hatchery
- Penticton Sockeye Hatchery
 - Board of Commissioners approved funding in 2011
 - Shared program with GPUD

kt c'pəl'k' stim' Hatchery

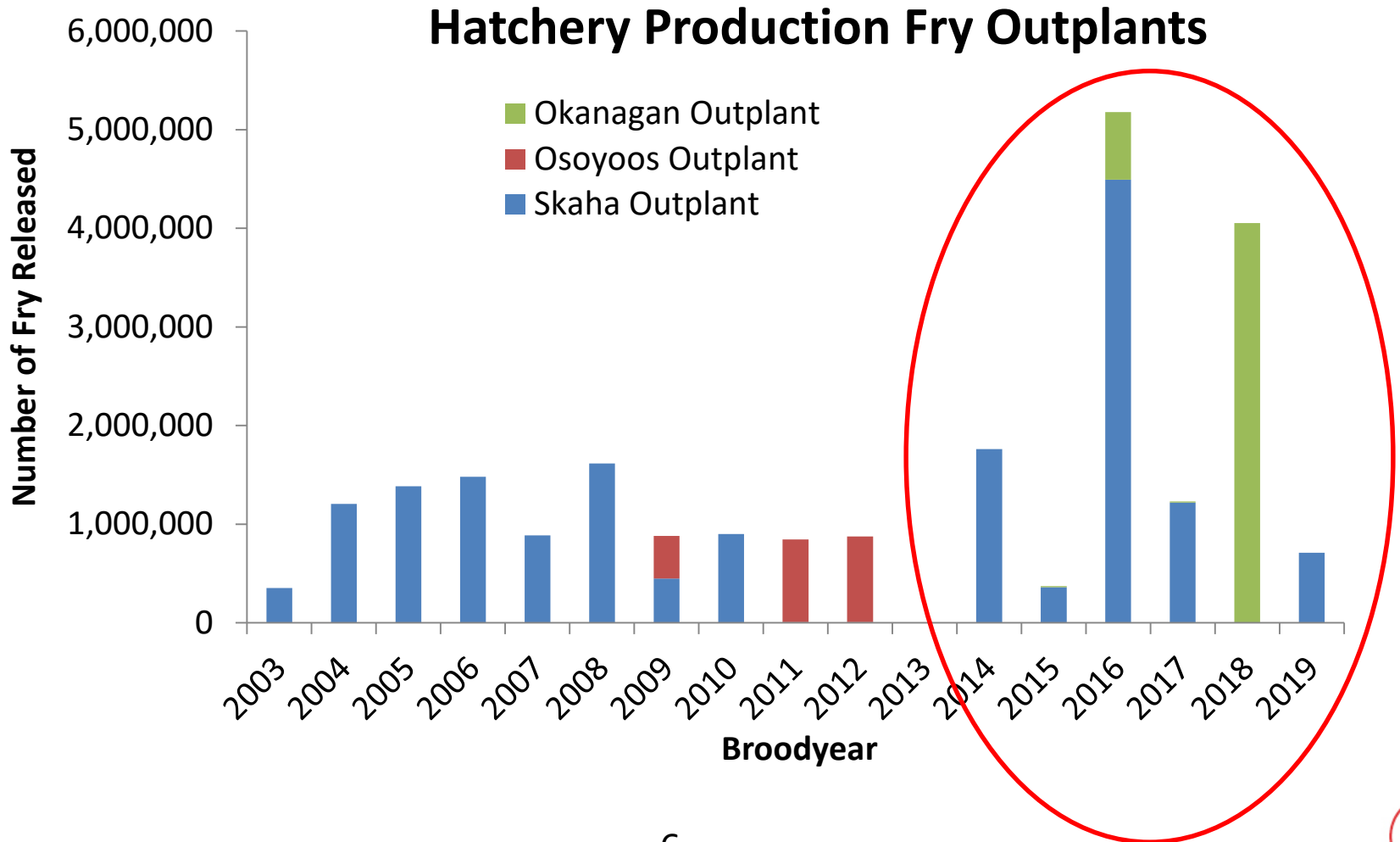


- Capital costs for Penticton Hatchery construction = \$4,465,700
- Average annual hatchery operation and program monitoring costs = \$547,600

Geographic Extent of Program



Skaha and Okanagan Lake Sockeye Reintroduction



Skaha and Okanagan Lake Sockeye Reintroduction Future Look



HCP Project Confirmation Studies

- HCP Survival Study Requirements
- Plan Species
 - “Gold” Standard Achieved for spring Plan Species
 - Rocky Reach: 2004-2011
 - Rock Island: 2003-2006 (20% spill), 2007-2010 (10% spill)
- No additional spring studies required until 2021

HCP Project Confirmation Studies

| Project | Species | Juvenile Survival | Adult Survival | Combined |
|-------------|----------------|-------------------|----------------|---------------|
| Rock Island | Steelhead | 96.75% | 99.31% | 96.08% |
| | Spring Chinook | 93.75% | 99.89% | 93.65% |
| | Sockeye | 93.27% | 98.37% | 91.75% |
| Rocky Reach | Steelhead | 95.79% | 98.93% | 94.77% |
| | Spring Chinook | 92.37% | 99.90% | 92.28% |
| | Sockeye | 93.59% | 98.92% | 92.58% |

HCP Project Confirmation Studies

- HCP Coordinating Committees select one representative species per project
 - Yearling Chinook selected for both Rocky Reach and Rock Island 3/24/2020
- One year evaluation of combined adult and juvenile survival
 - Results $\geq 91\%$: no further spring studies until 2031
 - Results $\leq 91\%$: additional year of testing required

Tentative Schedule

- Internal Go/No Go – June 1, 2020
- Advertise Request for Proposal – June
- Select Contractor – August
- Conduct Confirmation Studies – Mid April to Mid June Preliminary Results Available – July

- Estimated Cost of Two Project Confirmation Studies - \$3.25 Million

Questions or Comments?

