



Fish and Wildlife Program Update

November 20, 2023



Why we're here today

- Rocky Reach HCP Confirmation Survival Study

Lance Keller, Senior Fisheries Biologist

Rock Reach Habitat Conservation Plan Project Confirmation Study

- Resolution approved by BOC on October 17, 2022
- Study design occurred from December 2022-February 2023
- First collection of study fish on April 23, 2023

Challenges to Overcome

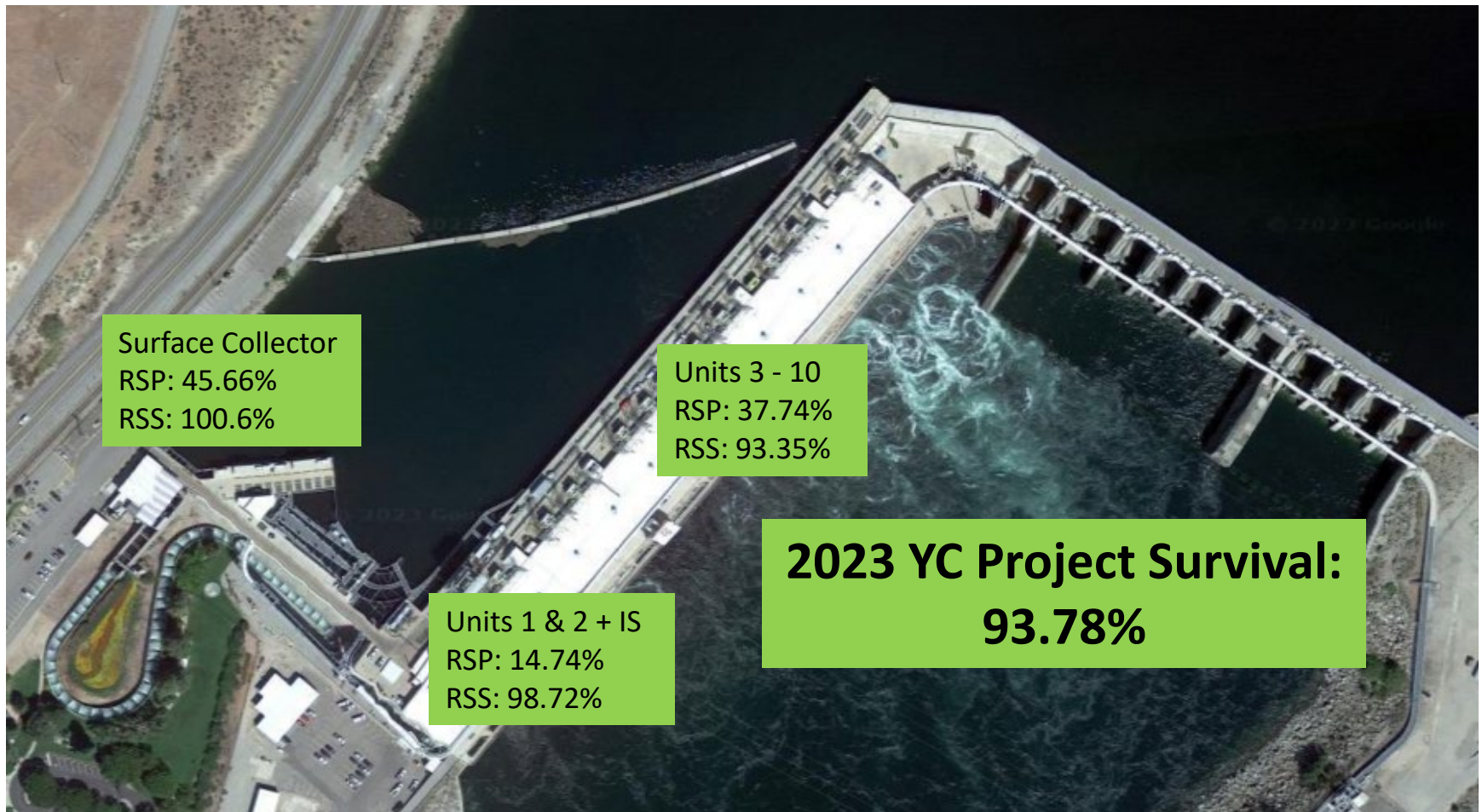
- Trunnion bushing repairs in Units C1-C7
 - Study deferred by HCP CC from 2021 to 2023
 - Study fish size discussion
 - Approval of study plan by the HCP CC on April 7, 2023
 - Low initial spring runoff prediction
- *All study gear deployed by contractor/divers by March 28, 2023



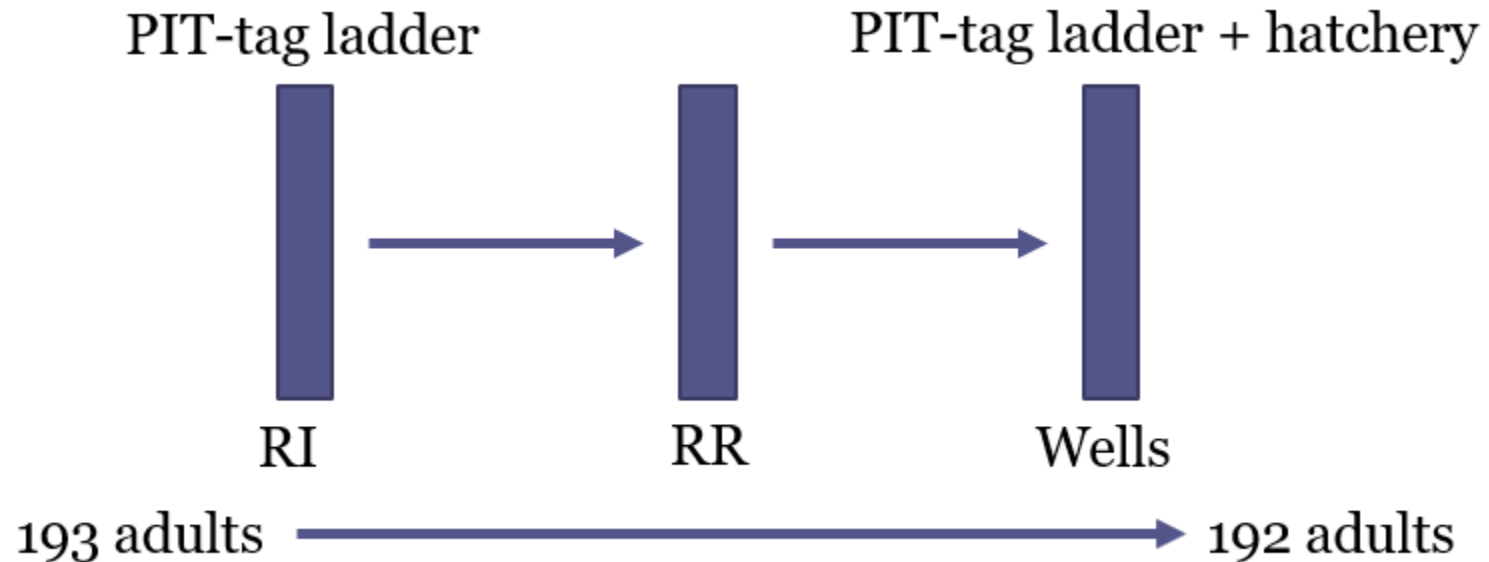
Rocky Reach HCP Confirmation Survival Study

Activity	Status
Collection/Transport/Tag/ Release Study Fish	First release – April 25, 2023 Last release – May 25, 2023 Last detection – June 11, 2023
No. of Tags Deployed	~1,130 (Test and Control) 18 replicates
Travel time estimate from Wells tailrace RR forebay	~90.8 hours (range – 17.8 hours to 933.9 hours)
RR Project Conditions	Flow Average – 152.4 kcfs Flow Min – 46.3 kcfs Flow Max – 227.3 kcfs Spill: 0-82.8 kcfs

Passage (RSP) & Survival (RSS) Results



Adult Conversion Rate



**2023 Spring Chinook Conversion Rate:
99.74%**

Combined Adult and Juvenile Calculation

HCP “Gold” Standard = 91%

Combined Adult and Juvenile Survival:
93.78% x 99.74% = 93.54%

***previous combined value = 92.28%**



Next Steps

- Present Statement of Agreement to the RR HCP Coordinating Committee to memorialize study results.
- Next confirmation survival study in 2033 at RR.

Questions?

