



Cowlitz Hatchery Operations

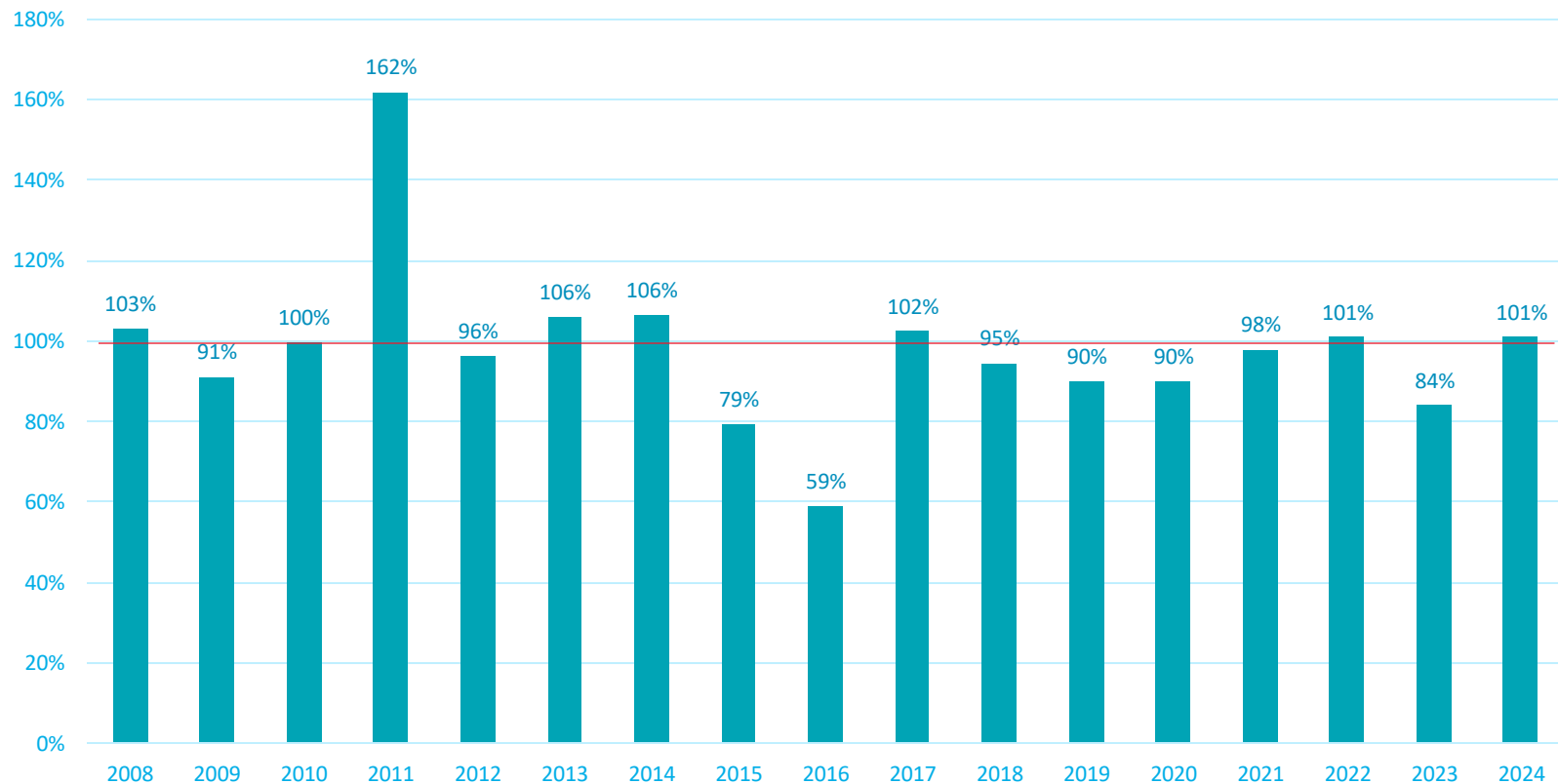
Eric Shoblom

Cowlitz Fish Facilities Manager

TACOMA  POWER
TACOMA PUBLIC UTILITIES

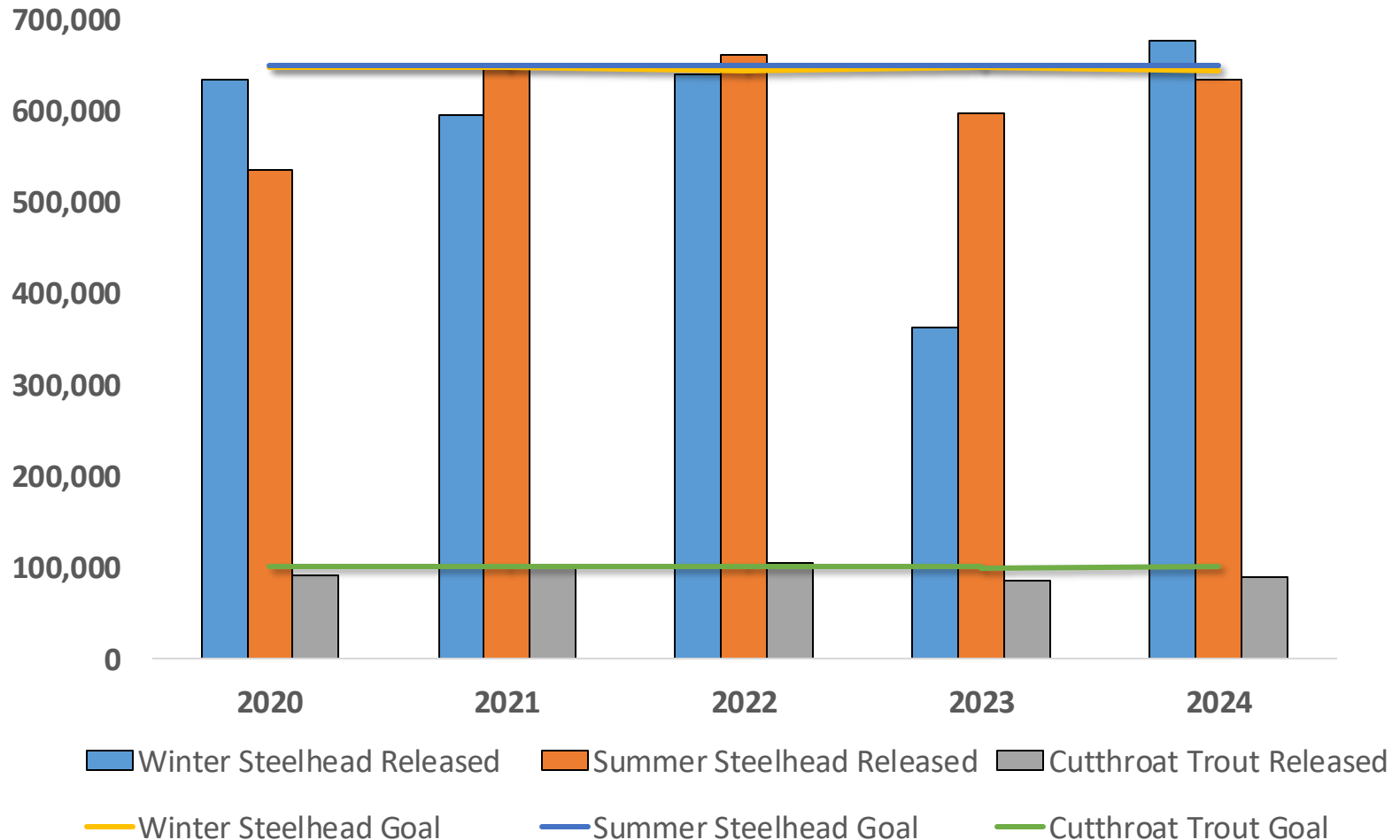
Trout Hatchery

Percent of goal (poundage) released annually for all **Trout Hatchery** Production



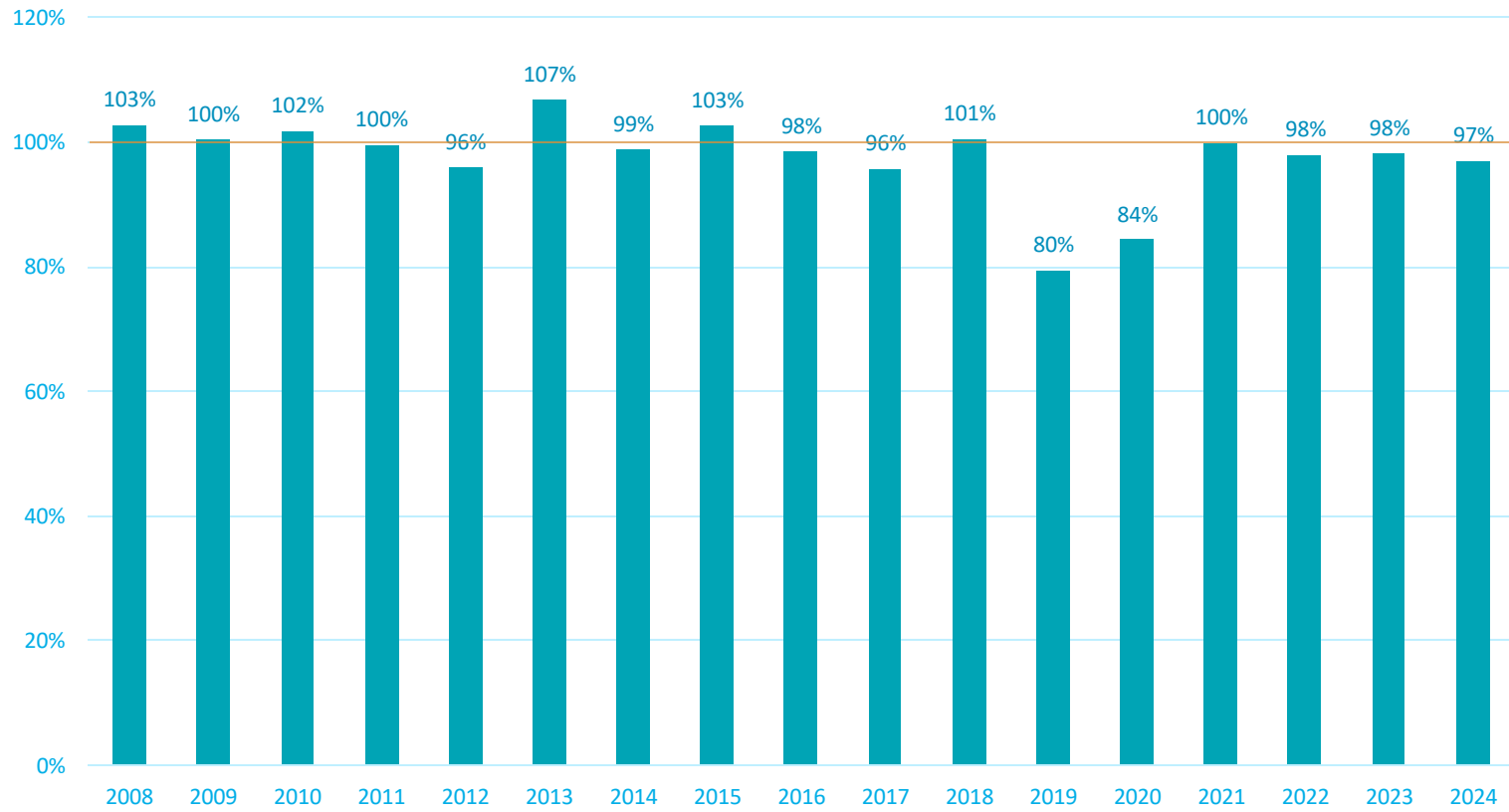
Trout Hatchery Annual Releases

Cowlitz Trout Hatchery Releases vs. Goals (5 Years)



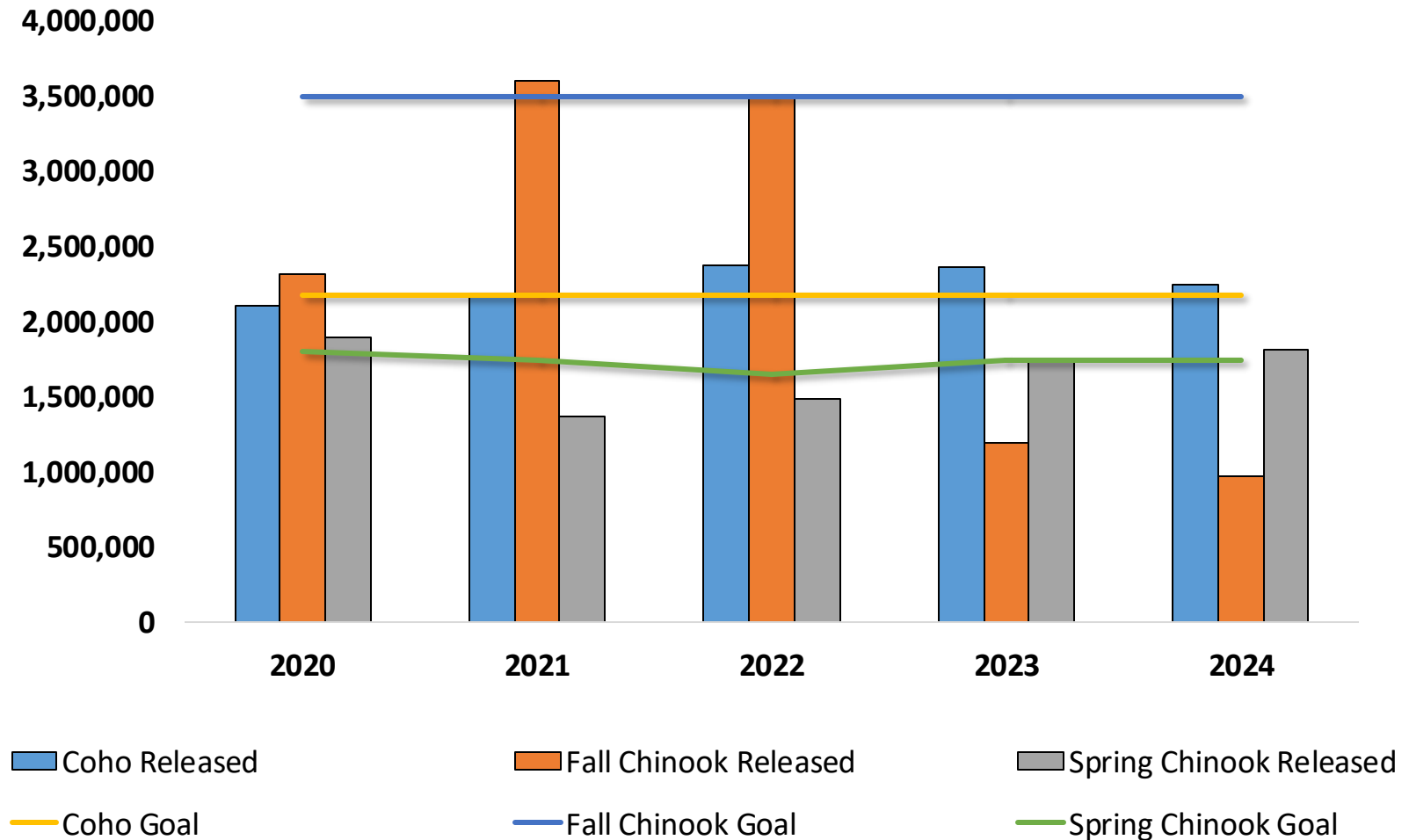
Salmon Hatchery

Percent of goal (poundage) released annually for all **Salmon Hatchery** Productions



Salmon Hatchery Annual Releases

Cowlitz Salmon Hatchery Releases (5 Years)



Mayfield Net Pens

Phase 1 Pilot Study:

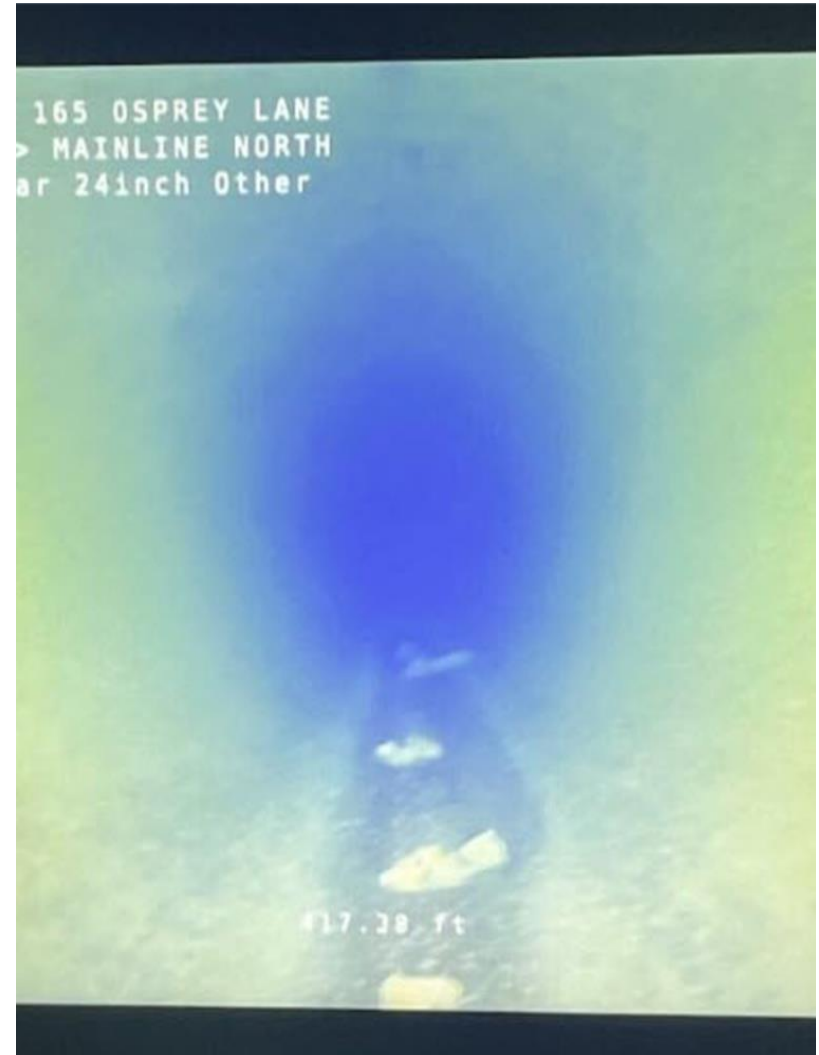
- Successful transfer
- Low mortality
- Good growth
- Good containment



Trout Hatchery Remodel

Wellfield Survey

- Test Run South Wells
- Inspect well condition
- Well line inspection



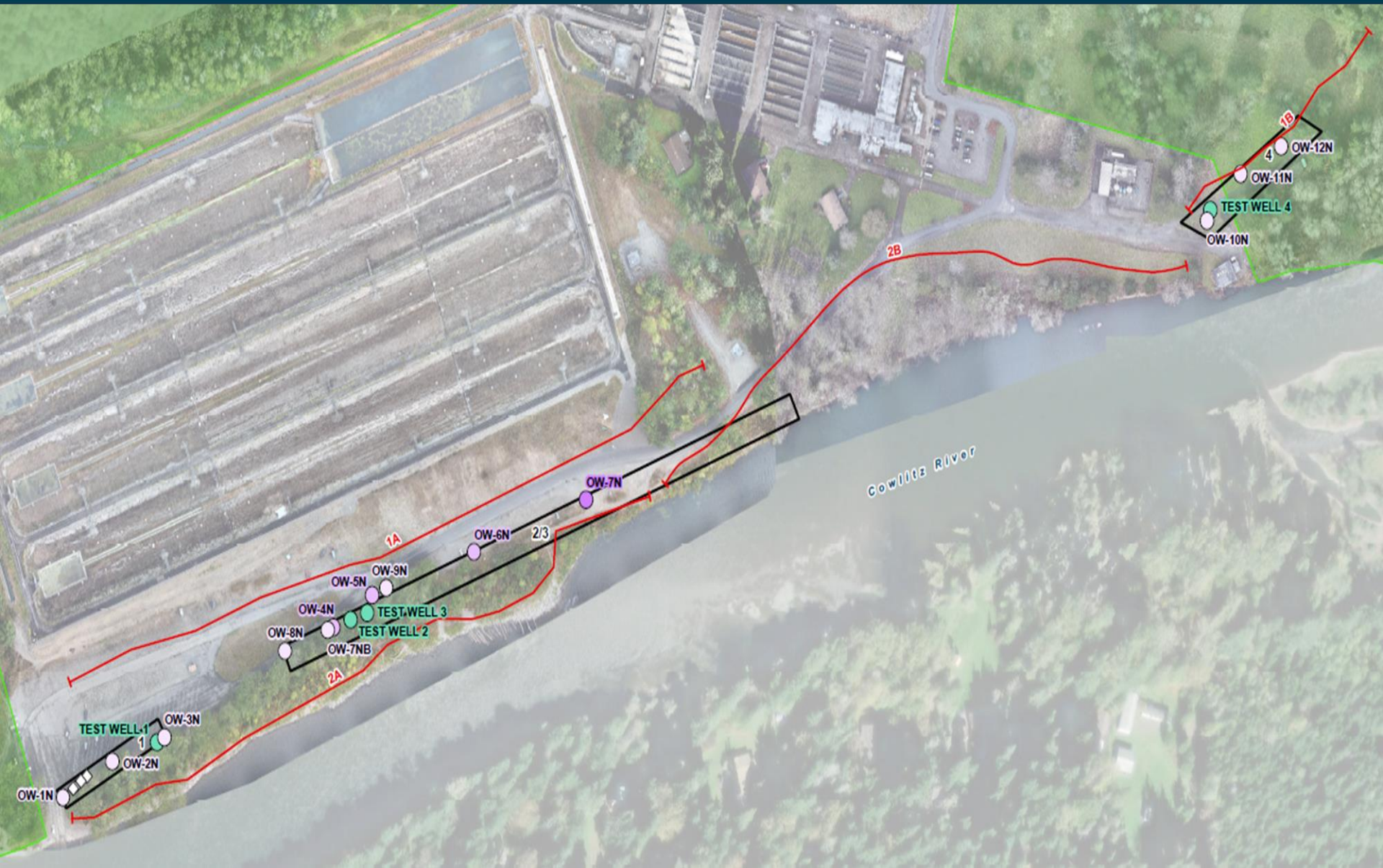
Trout Hatchery Remodel

Groundwater Survey

- Historic data review
- Imagery
- Test wells
- Observation wells



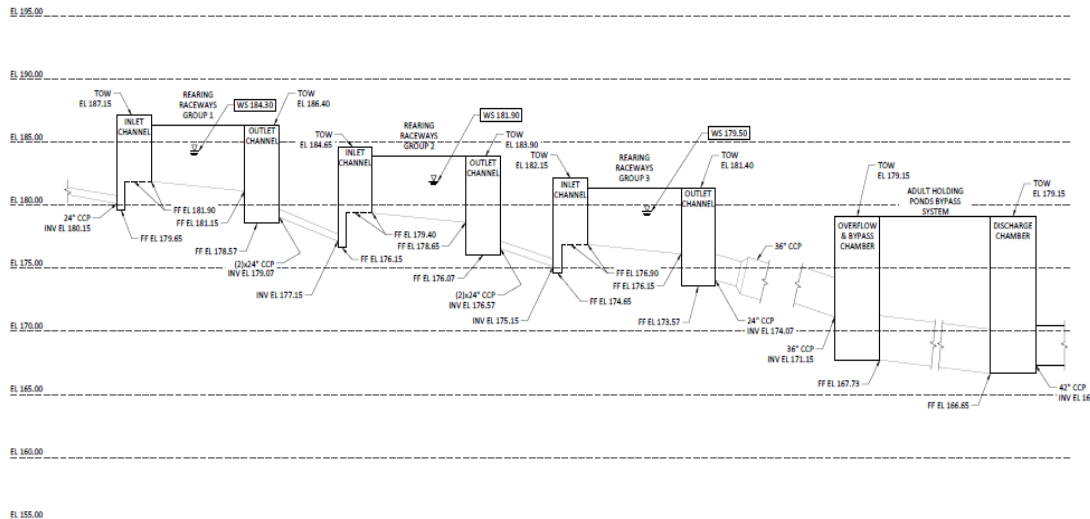
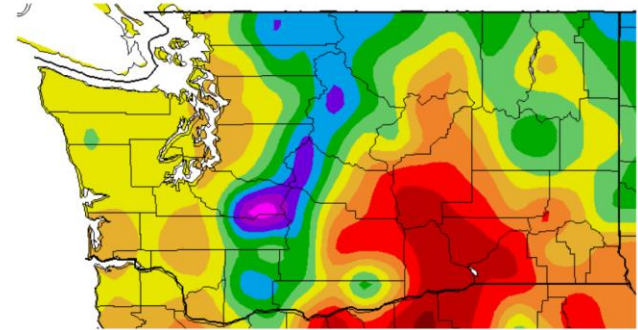
Trout Hatchery Remodel



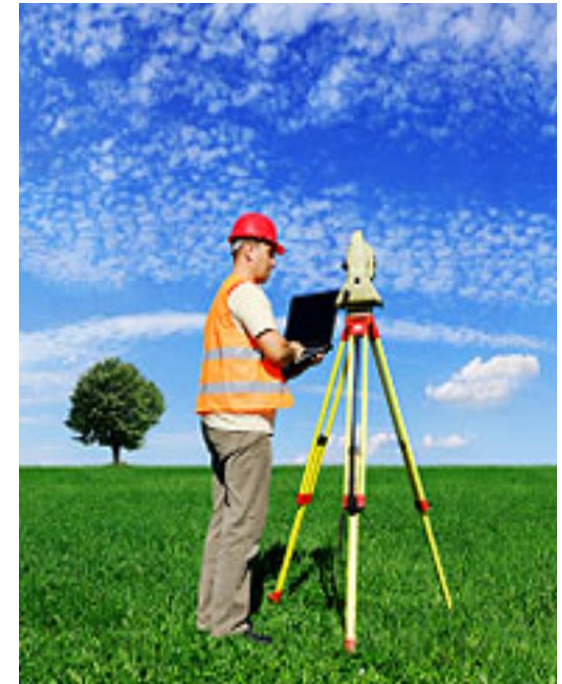
Trout Hatchery Remodel

Other activities:

- Full site survey
- Hydraulic grade report
- Climate change report
- Initial biopramming



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001 COWLITZ TROUT HATCHERY HYDRAULIC PROFILE
REARING RACEWAYS GROUP 1, 2, & 3, ADULT HOLDING PONDS BYPASS SYSTEM
SCALE: NTS



Trout Hatchery Remodel

- **Phase 1: Planning to 10% Design**
- **Phase 2: Design & Permitting**
- **Phase 3: Go/No Go for Construction Phasing**
- **Phase 4: Phased Construction/Commissioning**



★ **We are
here**

Trout Hatchery 8-Year Program

Trout Hatchery Remodel (Phase 1)

Major Activities

**Ground Water
Study**

Bioprogramming

**Hatchery Flow:
Groundwater vs.
Surface Water &
Ozone**

**Hatchery
Component
Alternatives**

Decisions

**Select Water
Supply**

**Select
Hatchery
Components
& Early
Rearing**

Outputs

**10% Design
Plans**

**Interim
Operations
Plan**

Bioprogram

Costs

**Construction
Phasing
During
Operations**

Thank You

Questions?

