

UMPQUA INFRASTRUCTURE PROPOSAL

This concept reflects a joint proposal between ODFW and the Cow Creek Band of Umpqua Tribe of Indians for fish production, conservation and monitoring throughout the north and south Umpqua for state, tribal, and community benefit throughout the southwest hatchery system.

NORTH UMPQUA: ROCK CREEK HATCHERY (RCH)

- The Department will invest in infrastructure to ensure we can collect, rear, and release spring Chinook
- Installation of chilling and recirculation equipment to hold all production onsite is impractical at RCH. Instead, the department will maintain ~1/2 of the chinook onsite and rear the remaining fish at Cole Rivers before returning to acclimate.
- This approach spreads risk and reduces density at RCH which may help mitigate impacts of high water temperatures.

SOUTH UMPQUA: CANYONVILLE

- The Department and Cow Creek Band of Umpqua Tribe of Indians (CCBUTI) will invest in infrastructure to allow for year-round rearing of winter steelhead and coho salmon
- Cole Rivers will serve as backup
- Opportunities for STEP volunteer involvement will continue

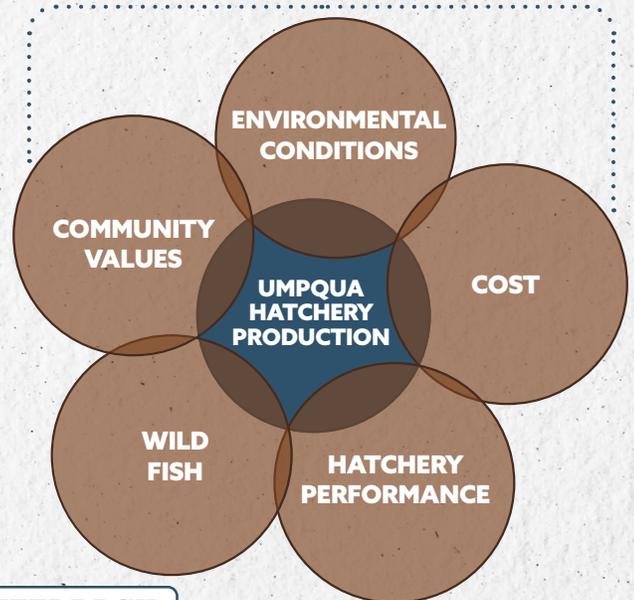
ROCK CREEK HATCHERY



CANYONVILLE



FACTORS CONSIDERED



LOCAL COMMUNITY FEEDBACK

- ✔ Maintains all production
- ✔ Addresses desire for onsite rearing at Rock Creek Hatchery
- ✔ Addresses desire for in basin rearing in the North Umpqua River and South Umpqua River
- ✔ Addresses desire for ongoing education and community engagement at Rock Creek hatchery

IMPLEMENTATION CHALLENGES

- This proposal does not fully address environmental challenges at Rock Creek
- The availability of Federal funding for construction and State funding for ongoing operating costs is uncertain
- The reliability and longevity of chilling and recirculation technology needed at the Canyonville site is unknown in this scenario



UMPQUA BASIN HATCHERY PROGRAMS

PROGRAM	CURRENT PRODUCTION	PROPOSED PRODUCTION*
NORTH UMPQUA Spring Chinook	 342,000 smolts Reared at Cole Rivers Hatchery and acclimated at Rock Creek Hatchery	 342,000 smolts 1/2 reared at Rock Creek Hatchery 1/2 reared at Cole Rivers Hatchery and acclimated at Rock Creek Hatchery
SOUTH UMPQUA Winter Steelhead	 150,000 smolts Reared at Cole Rivers Hatchery and acclimated at Canyonville facilities	 150,000 smolts Reared and released at new Canyonville facility in partnership with CCBUTI and ongoing STEP involvement
SOUTH UMPQUA Coho Salmon	 60,000 smolts Reared at Cole Rivers Hatchery and released below Galesville Dam	 60,000 smolts Reared at new Canyonville facility in partnership with CCBUTI and ongoing STEP involvement and released below Galesville Dam
LOWER UMPQUA Fall Chinook	 170,000 pre-smolts/smolts Reared at GRWB STEP facility and Elk River Hatchery	 170,000 pre-smolts/smolts Reared at GRWB STEP facility and Elk River Hatchery

*Assumes availability of federal dollars for construction and State funding for operations