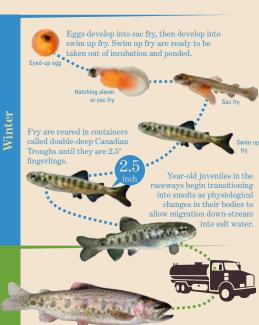




Lookingglass Hatchery

Open daily 7:30 to 4:30.



Smolts are pumped onto trucks & transported to acclimation sites to imprint on the water body of their parents' origin. They are 18-months old when released for their downstream migration... Lookingglass Creek stock smolts are direct

Fingerlings are moved to raceways where they are reared niles that will be released the following Spring.



Eggs are 'eyed up' and have tiny visible backbones.



ime to shock, pick, and enumerate



Old and Young Looking Glasses



The hatchery is named for Young Looking Glass, a Nez Perce tribal leader.

to the U.S.

"Old" Looking Glass was 70 in 1855. Arriving late to the treaty council, he lamented, "My people, what have you done? While I was gone, you have sold my country. I have come home, and there is

Isaac Stevens, the new Territorial Governor of Washington, represented the United States at this 1855 negotiation. He knew the tribes would not sign any treaty that blocked access to traditional hunting and fishing grounds. Built into the treaty was guaranteed access and use of all traditional lands in perpetuity, even sites within the 45,000 square miles ceded

Looking Glass, the hatchery namesake,

and Chief Joseph, who signed the treaty.

Echoes of the 1855 Treaties reverberate at Lookingglass Hatchery today. The hatchery supports tribal fisheries. As sovereign entities, the Nez Perce Tribe and Confederated Tribes of Umatilla Indian Reservation partner with the hatchery as co-managers of Grande Ronde and Imnaha River salmon.

Lookingglass Hatchery was constructed in 1982 by authority of the Lower Snake River Compensation Plan (LSRCP) to mitigate for fish losses due to four dams. The goal is returning adult spring Chinook to the Grande Ronde and Imnaha

existed prior to the dams.

First Decades



Collecting spring Chinook milt for later mixing with eggs in the nursery.

Sadly, by 1992, Lookingglass Creek's native population of spring Chinook vanished despite good habitat. Stock from the Rapid River in Idaho reestablished the run; however, later guidelines called for use of inbasin stocks. Starting in 1999 the Rapid River fish were removed, and spring Chinook from Catherine Creek, a Grande Ronde stock, were introduced in 2001. Ten years later this re-stocking with inbasin fish proved successful. 2011 saw the spring Chinook tribal and sport

fisheries open on Lookingglass Creek.

Rivers ideally in harvestable numbers as

not left for me a place to pitch my lodge." He felt betrayed by his own son, "Young'

> A barge for juvenile fish.



Dam removal $often\ adds$ viable salmon habitat.

Can We Stop the Warming?



The future of salmon and so much more is in our hands.

With 1,700 returning adults, the 2012 run looked much like 1960s pre-dam numbers.

1.000 Miles Out and In



Fish for the Future





Spring Chinook traverse a wide variety of watery habitats spanning a thousand miles. From deep-ocean to continental shelf to river delta and estuary to main-stem channel to natal stream, all these habitats must function optimally providing what fish need at just the right time in their out- and in-migration.

In todays setting, spring Chinook are assisted in their long journey by being barged a portion of the journey.

People have a profound impact on the functionality of salmon habitats. Today it is our collective choice between habitat restoration and further degradation. We can keep pollutants and the excess silt out of home streams. We can replant and protect the streamside forest, trees keep rivers cool in summer. We can continue to reclaim and restore vast swaths of the Columbia Estuary.

Dam removal may not be feasible, but spilling more water over existing dams when juvenile Chinook are passing toward the ocean greatly increases their survival. We all can facilitate their migration by conserving electricity and water.

Warm water stresses salmon to a point they succumb to disease and die. The risk of home streams being too warm, or too low is especially high for Northeast Oregon spring Chinook arriving at their natal streams to spawn in the hot months of summer.

Perhaps the biggest test of our collective resolve to save salmon is a warming climate. Ironically, one source of "clean" energy that does not emit green house carbon dioxide, is the electricity generated by dams—the very thing that brought about the Lower Snake River Compensation Plan to begin with.