

Clearwater Hatchery Summer Chinook Program



⌘ Original concept of increasing rearing of Chinook at Clearwater Hatchery presented December 2008.

⌘ Phased approach starting with 200k Full Term Smolts (FTS).

⌘ Increase by 200k increments up to goal of 1.0 million FTS as aquaculture concerns associated with increased rearing are addressed.

Modest Beginnings: Creating a Summer Chinook Run

& First things first...Where will the eggs come from?

& 2009 was the first year that CFH received Summer Chinook Eggs.



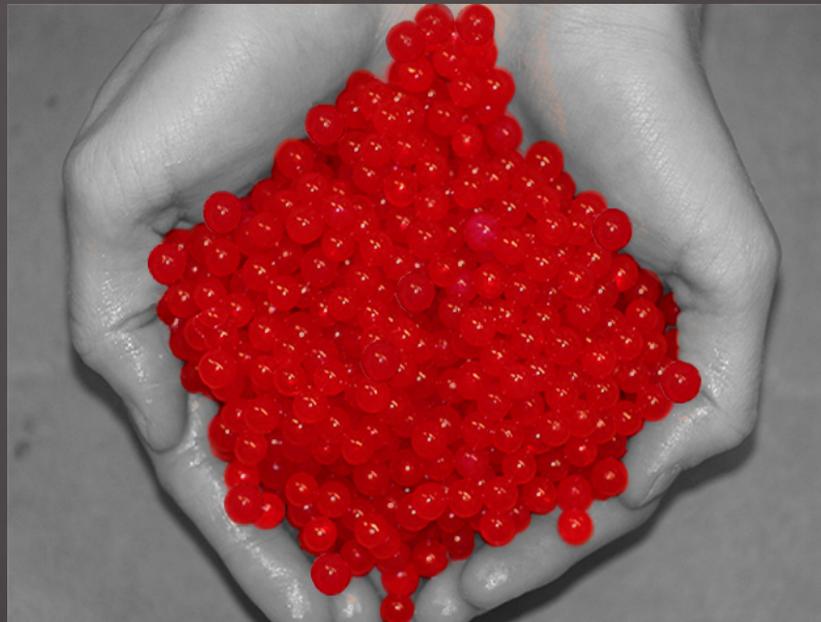


⌘ In 2009 CFH staff, with the help of McCall Fish Hatchery staff, transported eggs from MFH trap near Warm Lake to CFH. Eggs from 50 ♀'s were kept for Brood; yielding 288,935 eyed eggs.

2010 and 2011:

⌘ In 2010, CFH received 66 ♀'s, of which 43 were kept for brood, yielding 218,901 eyed eggs.

⌘ In 2011, the number increased and we received eggs from 73 ♀'s, 70 of which were kept for brood yielding, 311,288 eyed eggs.



2012: 1st Returning Jacks



- ⌘ 2012 was a special year because CFH trapped the 1st returning fish from the original release in 2010.
- ⌘ 11 Jacks were caught that year.

2013: 1st Returning Spawners!

- ⌘ 2013 was the year that CFH trapped ♀'s from the original release in 2010.
- ⌘ A total of 136 fish were trapped on the South Fork of the Clearwater.
- ⌘ Of those, 7 were spawn-able ♀'s and the other 129 were males.
- ⌘ The 7 ♀'s yielded 22,549 eyed eggs.
- ⌘ CFH also received eggs from 156 ♀'s from MFH, of which 151 were kept for brood, yielding 611,715 eyed eggs.
- ⌘ NOW THINGS ARE REALLY ROLLING!



*The 1st spawning Summer
Chinook Salmon on the
Clearwater.*





2014:

- ⌘ In 2014 a record number of Summer Chinook are expected to return to the Clearwater.
- ⌘ For the 2014 spawning season it is expected that enough ♀'s to yield a goal of 600,000 eyed eggs will be taken.
- ⌘ These eggs will be combination of eggs from McCall ♀'s and ♀'s trapped on the South Fork of the Clearwater.

Future Plans:

- ⌘ Current infrastructure limits capacity to 600k FTS without impacting Spring Chinook program goals.
- ⌘ Infrastructure improvements needed to proceed to 1.0 million FTS goal.
 - ⌘ Additional incubation space
 - ⌘ Additional early rearing space
 - ⌘ Additional water flow to empty raceways.

- As of yet they will be strictly for hatchery brood, but in the very near future we are hoping there will be a Summer Chinook Fishing Season on the Clearwater River.



QUESTIONS???

- ⌘ Available Incubation Space: CFH is at it's max capacity
- ⌘ Early Rearing Space: also at max capacity
- ⌘ Increased Marking Needs on Already Tricky timing
- ⌘ Final Rearing Water Supply

OTHER CONTRIBUTING FACTORS

- *Increased Feed Costs*
- *Increased Hauling Needs*
- *Increased Man Power*

- ⌘ Proposal of Increasing Chinook Production: A Series of Limitations
- ⌘ Modest Beginnings: Creating a Summer Chinook Run
 - ⌘ 2010 and 2011
 - ⌘ 2012: 1st Returning Jacks
 - ⌘ 2013: 1st Returning Spawners!
 - ⌘ Future Plans
 - ⌘ Summary/Questions

Outline

Proposal of Increasing Chinook Production: A series of Limitations

⌘ Trapping and Holding of Adults Limitations

- ⌘ 1100 Spring Chinook Adults at Powell Satellite Facility
- ⌘ 1100 Spring Chinook Adults at Clearwater Fish Hatchery (CFH)
- ⌘ 400 Temporary Adult Holding at Red River to be transferred to CFH as soon as possible due to high water temperatures
- ⌘ Recent addition of 600 Summer Chinook Adults at CFH