

Fish Production Plans - Chief Joseph Hatchery

The Colville Tribes began designing the Chief Joseph Hatchery Program (CJHP) in the spring of 2001. The program is aimed at meeting trust obligations to the tribes for ceremony, subsistence, health and cultural purposes. This is the fourth hatchery obligated under the Grand Coulee Dam/Dry Falls project originating in the 1940's. Because of World War II, the full mitigation responsibilities remained unmet until 2001. The hatchery began production operations in 2013.

One of the guiding premises that the planning team adopted was that production of salmon and steelhead at hatchery facilities reflects a considerable regional investment. It was further recognized that facility operation and production activities can have beneficial and or adverse biological and ecological implications extending far into the future. This embodies a new approach to managing and evaluating hatchery programs.

The success of the CJHP program is not based on the ability to meet the same fixed smolt output or the same escapement goal each year. Instead, the program is managed for variable smolt production and natural escapement. Success is based on meeting targets for abundance of and composition of natural escapement and hatchery brood stock. For these reasons, the program is operated in a manner where fish, habitat and other parameters are monitored, and activities are routinely evaluated. Managers accountable for successes and or failures have well-defined response alternatives that guide annual program decisions.

The following tables represent a range of fish production numbers for 2013 and beyond are subject to change as a result of data analysis and review at the CJHP's Annual Program Reviews.

CJHP SPRING AND SUMMER/FALL CHINOOK PRODUCTION SUMMARY (2013 AND FUTURE PROGRAM LEVELS¹)

SPRING CHINOOK PROGRAM SUMMARY – FULL PROGRAM PRODUCTION

Program	# Smolts (Yearling)	Stock	Brood Origin	Broodstock Collection	Smolt Release	Facility Release
Integrated spring Chinook	200,000	MetComp	Hat.	Winthrop NFH	OK. R	Tonasket P.
<u>Sub-Total</u>	<u>200,000</u>					
Segregated spring Chinook	700,000	Carson	Hat.	Leavenworth NFH	Col. R	CJH
<u>Sub-Total</u>	<u>700,000</u>					
Grand Total	<u>900,000</u>					

SPRING CHINOOK PROGRAM SUMMARY – 2013 PROGRAM

Program	# Smolts (Yearling)	Stock	Brood Origin	Broodstock Collection	Smolt Release	Facility Release
Integrated spring Chinook	200,000	MetComp	Hat.	Winthrop NFH	OK. R	Tonasket P.
<u>Sub-Total</u>	<u>200,000</u>					
Segregated spring Chinook	420,000	Carson	Hat.	Leavenworth NFH	Col. R	CJH
<u>Sub-Total</u>	<u>420,000</u>					
Grand Total	<u>620,000</u>					

¹ In 2013 the CJHP will operate at 60% of full production potential as a risk adverse management decision.

SUMMER/FALL CHINOOK PROGRAM SUMMARY – FULL PROGRAM PRODUCTION

Program	# Smolts (Yearling)	# Smolts (Sub- Yearling)	Stock	Brood Origin	Broodstock Collection	Smolt Release	Facility Release
Integrated S/F Chinook	275,000		OK	Nat.	Okanogan R.	OK. R	Omak Pond
Integrated S/F Chinook	275,000		OK	Nat.	Okanogan R.	OK R.	Riverside Pond
Integrated S/F Chinook	275,000		OK	Nat.	Okanogan R.	OK. R	Similkameen Pond
<u>Sub-Total</u>	<u>800,000</u>						
Integrated S/F Chinook		300,000	OK	Nat.	Okanogan R.	OK. R.	Omak Pond
<u>Sub-Total</u>		<u>300,000</u>					
Segregated S/F Chinook	500,000		OK	Hat.	Ok. R/CJH	Col. R.	CJH
<u>Sub Total</u>	<u>500,000</u>						
Segregated S/F Chinook		400,000					
<u>Sub Total</u>		<u>400,000</u>					
Grand Total	<u>1,300,000</u>	<u>700,000</u>					

SUMMER/FALL CHINOOK PROGRAM SUMMARY – 2013 PROGRAM

Program	# Smolts (Yearling)	# Smolts (Sub- Yearling)	Stock	Brood Origin	Broodstock Collection	Smolt Release	Facility Release
Integrated S/F Chinook	160,000		OK	Nat.	Okanogan R.	OK. R	Omak Pond
Integrated S/F Chinook	160,000		OK	Nat.	Okanogan R.	OK R.	Riverside Pond
Integrated S/F Chinook	160,000		OK	Nat.	Okanogan R.	OK. R	Similkameen Pond
<u>Sub-Total</u>	<u>480,000</u>						
Integrated S/F Chinook		180,000	OK	Nat.	Okanogan R.	OK. R.	Omak Pond
<u>Sub-Total</u>		<u>180,000</u>					
Segregated S/F Chinook	300,000		OK	Hat.	Ok. R/CJH	Col. R.	CJH
<u>Sub Total</u>	<u>300,000</u>						
Segregated S/F Chinook		240,000					
Sub Total		240,000					
Grand Total	<u>780,000</u>	<u>420,000</u>					