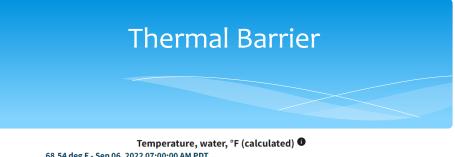


CCT Harvest Program Goals

Collect summer Chinook broodstock for the hatchery: natural-origin (NOR) & hatchery-origin (HOR)

- * Affect pHOS and improve PNI in summer/fall Chinook spawning areas
 - * Selectively removing HORs
 - * Successfully releasing NORs
- Provide harvest data to hatchery staff for help in setting the yearly, hatchery-production target
- * Provide harvest food for subsistence, cultural and ceremonial purposes







2022 Upper Columbia So (All data preliminary and inc				
	Pre		P	ost
Runsize	56,34	46 🗕	→ 78,	444
Harvest allocated	Allow	red	Actual	Actual/
Fishery	Pre	Post	Take	Allowed
PFMC Ocean Fisheries	7,880	7,880	7,880	100%
Below Priest Rapids Dam (PRD)	22.7%	35.7%	33.5%	
Commercial below BON	361	1,159	65	6%
Recreational Below Bonneville	1,074	3,449	3,549	103%
Recreational BON to PRD	190	609	302	50%
unallocated	180	580	n/a	n/a
Below PRD Total	1,805	5,796	3,916	68%
Above Priest Rapids Dam (PRD)	77.3%	64.3%	66.5%	
Wanapum Tribal	94	314	19	6%
Colville Tribal	3,075	5,745	1,202	21%
Recreational above PRD	2,981	4,386	6,561	150%
Above PRD Total	6,150	10,445	7,782	75%
Non-Treaty Total	15,835	24,122	19,578	81%

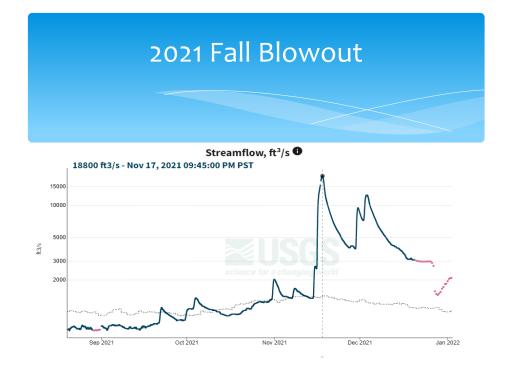
	Summer/Fall Chinook											
Activity	<u>Ad Present</u> <u>Adult</u> <u>Broodfish</u>	<u>Ad Absent</u> <u>Adult</u> <u>Broodfish</u>	Ad Present Adults Released ^{1/}	<u>Ad</u> <u>PresentAdults</u> <u>Retained/Mort</u> <u>§</u>	Ad Present Jacks Released	Ad Present Jacks Retained/Morts	<u>Ad Absent</u> <u>Adults</u> <u>Retained/Morts</u>	Ad Absent Adults Released ^{1/}	<u>Ad Absent</u> <u>Jacks</u> <u>Retained</u>	<u>Total Adults</u> <u>Removed</u>		
CCT F&W Purse Seine	265	516	0	0	25	0	0	5	45	781		
Fribal Member Alt Fishery ^{3/}	0	0	0	0	0	0	0	0	0	0		
CJD Tailrace Fishery (expanded; includes snag, dip net ind hook and line effort and a :alculated release mortality) 4 ¹	0	0	14	215	0	0	969	96	47	1,184		
CCT F&W Okanogan Weir	43	13	1	3	1	0	15	0	1	74		
Chief Joseph Hatchery Ladder	90	174	0	0	0	0	743	699	307	1,007		
Sub-total Fish Released	0	0	15	0	26	0	0	800	0	0		
Adult Non Tailrace Release Mortality	0	0	0.01	0	0.01	0	0	7	0	7		
Fotal Adult Fish Removed	398	703	0.0	218	0.0	0	1,727	7	400	3,053		
Grand Total of Adult	CHK Broodstock				СНК Н	CHK Surplus						
Fish Removed	_	<mark>→</mark> 1,101			→ 1,184				→ 750			

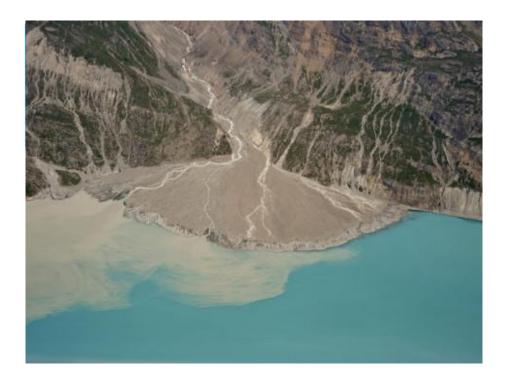
Sockey	e		Steelh	ead		С	oho		
<u>Sockeye</u> <u>Harvested/Mort</u> <u>s</u>	<u>Sockeye</u> <u>Release</u> <u>d</u>	Ad Present Released ^{2/}			<u>Ad</u> <u>Absent</u> <u>Harvest</u>	<u>Released</u>	<u>Harvested</u>		
9,331	1,411	1	0	0	0	0	0		
0	0	0	0	0.0	0.0	0	0		
474	0	0	0	31	60	0	0		
128	9	0	4	0	0	0	0		
0	0	0	0	0	0	0	0		
0	1,420	1	4	0	0	0	0		
0	14	0.01	0.04	0	0	0.0	0		
9,933	14	0.0	0.0	31	60	0	0		
Sockey	ve		Steelh	Coho					
9,947			91			0.0			



- HOR Harvested 0
- Sockeye harvested 9,947
- Sockeye released 1,420

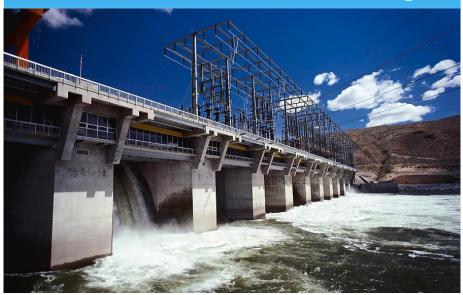
	Ad Present Adult Broodfish (CJH) ^{1/}	Leavenworth NFH Brood ^{2/}	Ad Present Adults Released	Ad Present Adults Harvested/Morts	Ad Present Jacks Released	Ad Present Jacks Harvested/ Morts	10J Harvest	10J Adult Released	10J Jack Released	Ad Absent Adults Harvested/Morts	Adults	Ad Absent Jacks Harvested	Ad Absent Jacks Released	SubTotal Harvest - Chinook Adults Only
Chief Joseph Dam, Creel (June 29 - June 30) Expanded with calculated release mortality. Includes 10J proportion	_	-	Ceremonial Only CJH Spring Chinook Fishery in 2022						I					
Chief Joseph Hatchery Ladder Surplus	38	591	0	0	0	0	0	0	0	0	0	0	0	0.0
lcicle Creel (May 12-June 30) 3′	0	0		21.0		23				1,308		123		1,329.0
Post Release Mortality	0	0	0	0	0.00	0.0	0	0	0	0	0.0	0	0	0.0
Sub Total of Adult Fish Handled	38	591	0.0	21.0	0.0	0.0	0.0	0.0	0.0	1,308.0	0.0	0.0	0.0	1,329.0
Grand Total of NOR Handling Mortality	0	0	0.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Adult Harvest Total Counted Towards Allocation	0	0	Spring Chinook Harvest 0.0											
Spring Chinook A	dults Rem	oved from	the Syster	Spring Chinook Adults Removed from the System				<	1,329	0.0				







Wells Pool Draw Down Timing



2023 Summer Fall Chinook Forecast

Columbia River Run to Mouth: 84,800

CTCR Draft Allocation: 6,870 - 7,109 (PFMC)

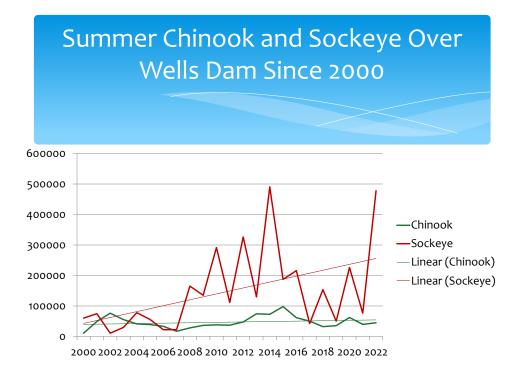
Numbers include ocean Harvest

Sockeye Return Forecast

Sockeye Run at Columbia River Mouth: 234,500

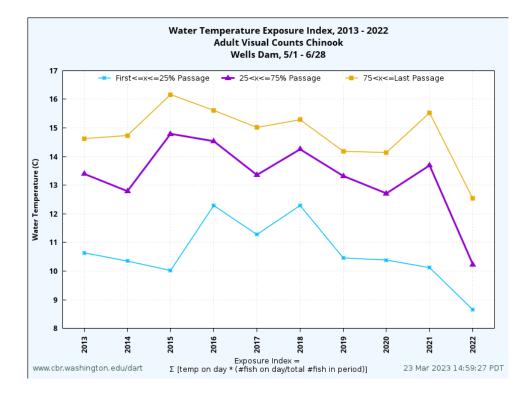
Of those, 187,400 are estimated to be Ok origin

CCT Allocation = Excess of Escapement



Springer Expectations

- * 2023 forecasts 41,400 adults to the upper Columbia River
- * Estimated adults to Chief Joseph Hatchery: 4,560
- * Estimated adults to Okanogan River: 116
- * 29,605 adults returned to upper the Columbia River in 2022





Surplus



11 Surplus events at 4 different hatcheries

Distributed:

2,348 Chinook

5,837 Sockeye



Salmon Storage

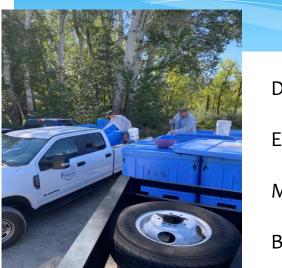


1,552 Chinook into Fillets

3,494 Sockeye Frozen Whole



Ungulates and Trades





Coded Wire Tag Analysis (CWT) * Creel Harvest

- * Ladder Surplus
- * Purse Seine Harvest

CJD Creel - Tailrace Harvest

* July 1st – October

- * Effort Hours
 - 1. Snag 7,097 hours
 - 2. Hook and line 644 hours
 - 3. Dip Net 71 hours



3

3%

Age: (Years)

5

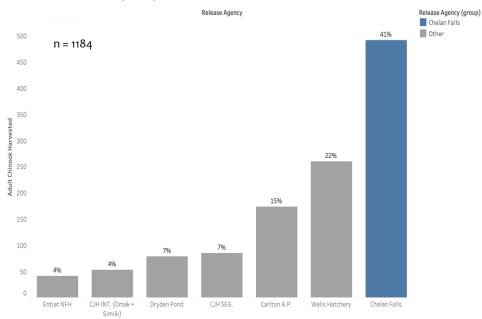
63% 31% 3%

4

6

* 2,114 Bank Observations, 610 Interviews conducted

2022 CJD Tailrace Harvest (Adults)



Sum of Est. # for each Release Agency. Color shows details about Release Agency (group). The marks are labeled by sum of Percentage. The view is filtered on Release Agency, which excludes Null.



Surplus Totals:

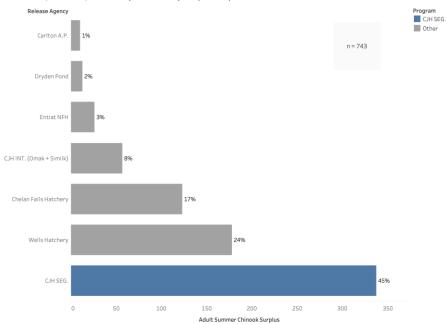
*	743 adipose-	clip	Adults

307 adipose – clip Jacks

Adult Ladder Age (Years)

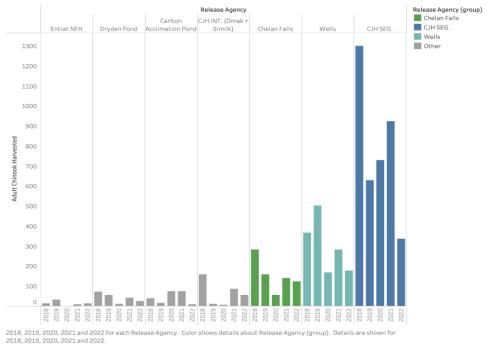
3	4	5	6
11%	73%	15%	1%

Ladder Surplus Composition by CWT Analysis (Adults)



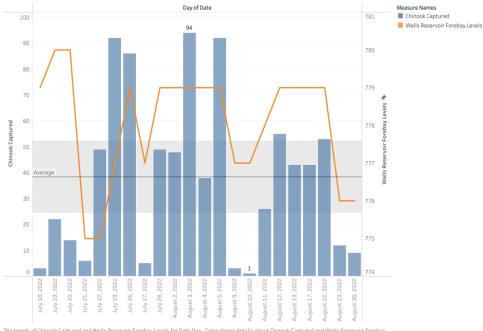
Sum of Adult Summer Chinook Surplus for each Release Agency. Color shows details about Program. The marks are labeled by sum of Percentage. The view is filtered on Release Agency, which excludes Null.





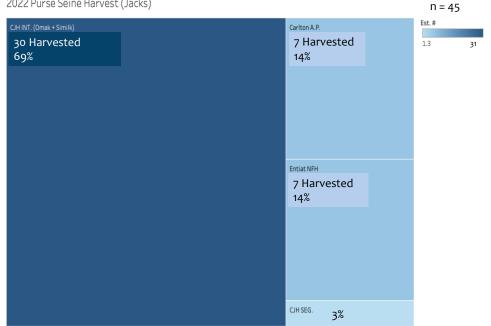
Purse Seine Effort * 101 Sets

- * CPUE (all Salmonids): 121/set
- * CPUE (Sockeye): 113/set
- * CPUE (Chinook): 8/set



Chinook Caught by Date by Forebay Elevation

The trends of Chinook Captured and Wells Reservoir Forebay Levels for Date Day. Color shows details about Chinook Captured and Wells Reservoir Forebay Levels. For pane Sum of Chinook Captured: The marks are labeled by Chinook Captured. The view is filtered on Date Day, which excludes August 31, 2022.



2022 Purse Seine Harvest (Jacks)

Hatchery of Release, sum of Est. # and sum of Percentage. Color shows sum of Est. #. Size shows sum of Est. #. The marks are labeled by Hatchery of Release, sum of Est. # and sum of Percentage.

