



# 2009 Upper Columbia River Escapement and Fishing Results

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# Counts for Wells Dam

- Chinook Adult = 36,246
- Chinook Jack = 7,778
- Coho Adult = 2,990
- Coho Jack = 29
- Steelhead = 25,403
- Wild Steelhead = 8,919
- Sockeye = 134,937
- Pink = 0
- Chum = 0
- Lamprey = 9
- Shad = 0



# Fishery Summary

- Washington summer Chinook harvest was 867 in the Wells pool (area 545) and 195 in the Okanogan/Similkameen.
  - Escapement was 36,246 adults + 7,778 jacks - CCT harvest of 1,238 = Escapement is estimated at about 41,724 to the Okanogan/Similkameen and points beyond. (Jacks are included).
- Washington sockeye harvest was 1,314 in the Wells pool (area 545) and 111 in the Okanogan/Similkameen.
  - Escapement was 134,937 adults - CCT harvest 14,423 = Escapement is estimated at about 119,089 to the Okanogan/Similkameen and points beyond.
- Steelhead are a bit different.
  - 19% of the Wells escapement is estimated to go to the Okanogan (PIT tag data), so  $.19 \times 25,403 = 4,826$ .
  - WA steelhead harvest has not been completed, but is estimated to be about 1,000 in the Wells pool (area 545) and Okanogan/Similkameen combined - CCT directed (purse seine, etc) harvest = 118 + unknown individual fishers = Escapement is estimated at about 3,700 to the Okanogan/Similkameen and points beyond.
- Lastly, for all species, there are certainly unknown mortalities primarily due to the warm waters of the Okanogan.

# 2009 Summer Chinook Creek Surveys

During the 2009 summer Chinook sport fishery in the main stem Columbia River from Priest Rapids Dam up-river to Chief Joseph Dam we estimate that 8,912 anglers fished a total of 48,018 hours and caught 2,561 Chinook of these 114 were released, the remaining 2,447 were retained. Of those fish retained 979 fish (40%) were adipose fin clipped, 1,345 sockeye were also harvested, Table 1.

River Section	545	543	541	539	537	Grand Total
Angler Sample Rate:	62.4%	56.5%	27.1%	21.7%	22.3%	42.9%
Total completed Anglers Interviewed:	1,745	998	610	42	425	3,820
Sample # Chinook Kept	448	264	128	2	168	1,010
Adipose Fin Clipped Chin. Kept	156	174	9	1	60	400
Mark rate %	35	65.9	7.0	50.0	35.7	40%
Estimated Total Effort (hrs):	21,169	7,779	9,152	880	9,038	48,018
Estimated Total Angler Trips:	2,798	1,765	2,249	193	1,906	8,912
Estimated Total Chinook Harvest:	867	590	157	6	827	2,447
Estimated Total Chinook Released:	24	25	0	0	65	114
Estimated Total Chinook Catch:	891	615	157	6	892	2,561
Estimated Total Sockeye Harvest:	1,314	19	0	0	12	1,345
Estimated Total Sockeye Released:	41	1	14	0	6	62
Estimated Total Sockeye Catch:	1,354	20	14	0	18	1,407
Estimated Total Steelhead Harvest:	0	0	0	0	0	0
Estimated Total Steelhead Released:	0	0	0	0	0	0
Estimated Total Steelhead Catch:	0	0	0	0	0	0
Total Anglers Sampled:	1,745	998	610	42	425	3,820
Total Fishing Hours Sampled:	10,779	5,432	2,419	155	2,201	20,986
Mean Hours per Trip:	6	5	4	4	5	5

# Continued...

During the 2009 summer Chinook sport fishery in the Okanogan and Similkameen rivers we estimate that 545 anglers fished a total of 1,909 hours and caught 195 Chinook of these none were released. Of those fish retained 111 fish (56.9%) were adipose fin clipped, 111 sockeye were also harvested. Table 2.

<b>Table 2. Summary of the 2009 Summer Chinook Fishery for the Okanogan and Similkameen Rivers</b>	
Estimated Effort Hours	1,909
Estimated Number Anglers	545
CPUE	0.1021
Estimated Ad-absent Chinook Retained	111
Estimated Ad-present Chinook Retained	84
Estimated Chinook Released (Ad-absent and Ad-present)	0
Total Chinook Retained	195
<b>Summary of 2009 Sockeye Fishery for the Okanogan and Similkameen Rivers, including Lake Osoyoos</b>	
Estimated Effort Hours	1,909
Estimated Number Anglers	545
CPUE	0.0581
Estimated Sockeye Retained	111
Estimated Sockeye Released	0
Total Chinook Retained	111

Note: All of the anglers fishing for Chinook were also fishing for sockeye, so effort hours were the same for both species.

