

Fall Chinook Issue 2 (Allowable Mainstem Commercial Gear) - Supplemental Tables 2a and 2b

Table 2a. Comparison of the Zone 4-5 commercial gillnet fishery with the fall seine fishery and hypothetical/actual commercial fisheries for the Cathlamet pound net, 2014-2018.

Year	Fishery	Days Fished	Fishers ¹	Harvest ²		Total Ex-Vessel Value ³	Value/ Fisher-Day	Value/ Salmon	Value/Natural-Origin B-Index Steelhead Mortality ⁴
				Chinook	Coho				
2014	Zone 4-5 Gillnet ⁵	18	70	89,747	6,152	\$2,426,031	\$1,936	\$25	\$109,024
	Purse Seine	21	17	1,457	561	\$33,488	\$94	\$17	\$30,444
	Beach Seine	22	25	1,337	509	\$31,511	\$57	\$17	\$8,292
2015	Zone 4-5 Gillnet	14	83	74,603	597	\$2,441,263	\$2,101	\$32	\$266,697
	Purse Seine	23	14	2,312	529	\$45,698	\$142	\$16	\$39,395
	Beach Seine	6	7	681	58	\$10,951	\$261	\$15	\$18,251
2016	Zone 4-5 Gillnet	13	87	57,940	665	\$2,799,595	\$2,469	\$48	\$397,263
	Purse Seine	21	8	821	565	\$26,033	\$155	\$19	\$107,776
	Beach Seine	6	8	1	39	\$187	\$4	\$5	--
	Cathlamet Pound Net ⁶	30	3	300	580	\$16,800	\$187	\$19	\$10,378
2017	Zone 4-5 Gillnet	7	93	19,398	931	\$922,305	\$1,412	\$45	\$216,932
	Cathlamet Pound Net ⁶	33	3	1,264	1,820	\$61,013	\$616	\$20	\$167,190
2018	Zone 4-5 Gillnet	4	64	8,320	380	\$378,454	\$1,478	\$44	\$225,787
	Cathlamet Pound Net ⁷	32	3	645	511	\$24,901	\$259	\$22	\$35,347

¹ Average number of fishers participating in Zone 4-5 fishery based on average deliveries per fishing period, adjusted for multiple deliveries during a period by individual vessels. Assumes one fisher per gillnet vessel. Number of fishers participating in seine fisheries based on post-season surveys of permit holders. Three fishers are needed to operate the pound net (Tuohy 2018).

² Includes adults and jacks. Does not include 292 unmarked Chinook harvested by purse seines and 1 unmarked Chinook harvested by a beach seine in 2016. Pound net "harvest" in 2016 and 2017 reflects test fishing catches of marked Chinook and Coho that would have been harvestable in a mark-selective commercial fishery.

³ Does not include \$7,044 for unmarked Chinook harvested by purse seines and \$23 for an unmarked Chinook harvested by a beach seine in 2016.

⁴ No natural-origin B-Index steelhead mortalities in 2016 beach seine fishery. Values for 2018 based on preliminary estimates of steelhead stock proportions.

⁵ Does not include large-mesh gillnet fishing periods in October to maintain similarity to August-September seine fisheries.

⁶ Hypothetical mark-selective commercial fishery based on test fishing catches of marked Chinook and Coho. Average weight and price-per-pound for pound net-caught fish estimated by multiplying ratio of pound net to gillnet average weights and prices from 2018 commercial fishery by gillnet average weights and prices in 2016 and 2017. Estimated average weights and prices for Chinook and Coho were then applied to their respective catches of marked Chinook and Coho to estimate total ex-vessel value in 2016 and 2017.

⁷ Mark-selective commercial fishery implemented utilizing ESA impacts allocated to research activities.

Table 2b. Average weight, ex-vessel price-per-pound, and value-per-fish of Chinook and Coho harvested in the Zone 4-5 gillnet fishery, fall seine fishery, and hypothetical/actual commercial fisheries for the Cathlamet pound net, 2014-2018.

Year	Fishery	Chinook ¹			Coho		
		Avg Wt	\$/lb	\$/Fish	Avg Wt	\$/lb	\$/Fish
2014	Zone 4-5 Gillnet	16.8	\$1.57	\$26	8.5	\$1.13	\$10
	Purse Seine	13.5	\$1.47	\$20	7.7	\$1.09	\$8
	Beach Seine	13.1	\$1.52	\$20	7.8	\$1.22	\$10
2015	Zone 4-5 Gillnet	16.1	\$2.03	\$33	6.5	\$1.55	\$10
	Purse Seine	10.4	\$1.71	\$18	5.7	\$1.52	\$9
	Beach Seine	10.9	\$1.39	\$15	6.8	\$1.50	\$10
2016	Zone 4-5 Gillnet	17.1	\$2.81	\$48	8.0	\$1.89	\$15
	Purse Seine	10.6	\$2.28	\$24	6.3	\$1.74	\$11
	Beach Seine	8.0	\$2.81	\$23	3.6	\$1.18	\$4
	Cathlamet Pound Net ²	12.6	\$2.52	\$32	8.0	\$1.56	\$13
2017	Zone 4-5 Gillnet	16.1	\$2.90	\$47	7.4	\$1.97	\$15
	Cathlamet Pound Net ²	11.9	\$2.61	\$31	7.4	\$1.62	\$12
2018	Zone 4-5 Gillnet	15.4	\$2.91	\$45	7.4	\$1.86	\$14
	Cathlamet Pound Net ³	11.3	\$2.61	\$30	7.4	\$1.53	\$11

¹ Average weight and ex-vessel price-per-pound for bright and tule Chinook combined.

² Hypothetical mark-selective commercial fishery based on test fishing catches of marked Chinook and Coho. Average weight and price-per-pound for pound net-caught fish estimated by multiplying ratio of pound net to gillnet average weights and prices from 2018 commercial fishery by gillnet average weights and prices in 2016 and 2017.

³ Mark-selective commercial fishery implemented utilizing ESA impacts allocated to research activities.