

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
<b>No Policy</b>	Spring 40% allocation with mainstem tangle net fishery; Summer 50% with gillnet; Fall LRH Tule 41% with Z4-5 gillnet; Coho 6" gillnet 100%	Sport	Total Trips												
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637	405,637	405,637	405,637	405,637	405,637	
			Trip Δ	0	0	0	0	0	0	0	0	0	0	0	
			Trip Δ %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
			Local Personal Income Impact <sup>a</sup>	\$23,650,819	\$28,538,476	\$27,426,415	\$26,417,672	\$26,508,378	\$26,508,378	\$26,508,378	\$26,508,378	\$26,508,378	\$26,508,378	\$26,508,378	
		Commercial	Total Ex-Vessel Value												
			W/O Policy Ex-Vessel Value	\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113	\$5,922,983	\$5,866,786	\$5,756,838	\$5,751,001		
			Ex-Vessel Value Δ	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
			Ex-Vessel Value Δ %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
			Local Personal Income Impact	\$8,508,857	\$9,085,581	\$8,546,716	\$7,252,785	\$8,348,485	\$8,348,485	\$8,345,483	\$8,266,301	\$8,111,385	\$8,103,160		
		Combined	Local Personal Income Impact	\$32,159,675	\$37,624,057	\$35,973,131	\$33,670,457	\$34,856,863	\$34,856,863	\$34,853,861	\$34,774,679	\$34,619,763	\$34,611,538		
		Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$262,673	\$550,820	\$777,035	\$567,787	\$539,579	\$539,579	\$539,579	\$539,579	\$539,579	\$539,579	\$539,579
				Summer Chinook	\$192,223	\$204,169	\$289,034	\$385,105	\$267,633	\$267,633	\$267,633	\$267,633	\$267,633	\$267,633	\$267,633
				Z4-5 Fall Chinook	\$3,475,916	\$2,868,149	\$3,547,915	\$2,799,595	\$3,172,894	\$3,172,894	\$3,172,894	\$3,172,894	\$3,172,894	\$3,172,894	\$3,172,894
			Coho	Coho	\$28,742	\$534,392	\$102,809	\$0	\$166,486	\$166,486	\$166,486	\$166,486	\$166,486	\$166,486	\$166,486
Select Area Gillnet	Spring Chinook			\$730,514	\$336,492	\$737,727	\$752,673	\$639,351	\$639,351	\$639,351	\$639,351	\$639,351	\$639,351		
	Fall Chinook			\$779,085	\$497,362	\$359,096	\$270,947	\$476,622	\$476,622	\$474,492	\$418,295	\$308,347	\$302,510		
Coho	Coho		\$569,780	\$1,456,864	\$252,187	\$371,363	\$662,548	\$662,548	\$662,548	\$662,548	\$662,548	\$662,548			
	Mainstem Seine		Beach Chinook/Coho	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Purse Chinook/Coho			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
Mainstem Tangle Net	Coho		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
<b>Total Commercial</b>			<b>\$6,038,933</b>	<b>\$6,448,248</b>	<b>\$6,065,803</b>	<b>\$5,147,470</b>	<b>\$5,925,113</b>	<b>\$5,925,113</b>	<b>\$5,922,983</b>	<b>\$5,866,786</b>	<b>\$5,756,838</b>	<b>\$5,751,001</b>			
Contribution to Total Sport Angler Trips by Fishery	Spring		Spring Chinook	109,655	134,854	140,852	117,944	125,826	125,826	125,826	125,826	125,826	125,826		
	Summer		Summer Chinook/Steelhead	52,037	53,661	50,555	58,067	53,580	53,580	53,580	53,580	53,580			
	Fall-Buoy 10		Fall Chinook/Coho	61,207	106,507	107,306	94,938	92,489	92,489	92,489	92,489	92,489			
	Fall-Mainstem		Fall Chinook/Coho	139,011	141,681	120,972	133,300	133,741	133,741	133,741	133,741	133,741			
	<b>Total Sport</b>			<b>361,910</b>	<b>436,702</b>	<b>419,685</b>	<b>404,249</b>	<b>405,637</b>	<b>405,637</b>	<b>405,637</b>	<b>405,637</b>	<b>405,637</b>			

<sup>a</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Updated 12-19-16, 1-6-17, and 1-19-17 with following changes:

- Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)
- Mitchell Act tule CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021
- Updated average SAFE harvest rates (all stocks) with 2016 results based on new stock composition data (COH=-\$150K; CHS=+\$28K to+\$46K; CHF=-\$31-82K)
- Updated average SAFE non-local fall Chinook value based on new stock composition data (~\$28,200)
- Reduced 2017 Select Area CHS value by ~\$52K (assume no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation)
- Corrected small math error in 2016 fall mainstem commercial value (~0.2% increase to long-term expected ex-vessel)
- Total annual sport trips broken out by season/fishery.

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>Full Implementation<sup>a</sup></b> (with Z4-5 non-mark selective CHF purse seine for economic optimization)	Spring 20% with no mainstem fishery; Summer 0%; Fall LRH Tule 20% with no Z4-5 gillnet; Z4-5 non-mark selective CHF purse seine; Coho 6" gillnet 0%; Coho tangle net 100%; includes current plan SAFE releases, 2017+ SAB brood @ 1.0M, 2016+ Coho brood @ 5.255M (Mitchell Act adjustment), 2017+ CHS brood @ 2.2M	Sport	Total Trips	368,940	450,770	441,315	410,746	433,016	433,016	433,016	433,016	433,016	433,016	
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637	405,637	405,637	405,637	405,637	405,637
			Trip Δ	7,030	14,068	21,630	6,497	27,379	27,379	27,379	27,379	27,379	27,379	27,379
			Trip Δ %	1.9%	3.2%	5.2%	1.6%	6.7%	6.7%	6.7%	6.7%	6.7%	6.7%	6.7%
	Local Personal Income Impact <sup>b</sup>				\$24,110,229	\$29,457,820	\$28,839,935	\$26,842,251	\$28,297,596	\$28,297,596	\$28,297,596	\$28,297,596	\$28,297,596	\$28,297,596
		Commercial	Total Ex-Vessel Value	\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$3,381,421	\$3,247,224	\$3,199,615	\$3,258,867	\$3,238,906	\$3,240,587	
			W/O Policy Ex-Vessel Value	\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113	\$5,922,983	\$5,866,786	\$5,756,838	\$5,751,001	
			Ex-Vessel Value Δ	(\$657,113)	(\$280,801)	(\$977,676)	\$32,506	(\$2,543,692)	(\$2,677,889)	(\$2,723,368)	(\$2,607,919)	(\$2,517,932)	(\$2,510,414)	
			Ex-Vessel Value Δ %	-10.9%	-4.4%	-16.1%	0.6%	-42.9%	-45.2%	-46.0%	-44.5%	-43.7%	-43.7%	
	Local Personal Income Impact				\$7,582,985	\$8,689,933	\$7,169,171	\$7,298,587	\$4,764,422	\$4,575,339	\$4,508,257	\$4,591,744	\$4,563,619	\$4,565,986
	Combined Local Personal Income Impact				\$31,693,214	\$38,147,752	\$36,009,106	\$34,140,838	\$33,062,018	\$32,872,935	\$32,805,853	\$32,889,339	\$32,861,214	\$32,863,582
	Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$202,405	\$322,675	\$580,660	\$415,641	\$0	\$0	\$0	\$0	\$0	\$0	
			Summer Chinook	\$144,962	\$172,266	\$206,307	\$275,108	\$0	\$0	\$0	\$0	\$0	\$0	
			Z4-5 Fall Chinook	\$2,812,736	\$2,575,129	\$2,515,140	\$2,799,595	\$0	\$0	\$0	\$0	\$0	\$0	
Coho			\$39,486	\$460,466	\$78,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Select Area Gillnet		Spring Chinook	\$747,281	\$353,896	\$925,104	\$926,477	\$669,495	\$759,282	\$814,865	\$850,806	\$860,050	\$860,050		
		Fall Chinook	\$779,085	\$497,362	\$378,842	\$301,281	\$635,608	\$473,780	\$365,115	\$388,427	\$359,220	\$360,901		
		Coho	\$569,780	\$1,622,922	\$297,190	\$428,588	\$948,863	\$886,707	\$892,180	\$892,180	\$892,180	\$892,180		
Mainstem Seine		Beach Chinook/Coho	-	research	\$10,951	\$210	\$0	\$0	\$0	\$0	\$0	\$0		
		Purse Chinook/Coho	-	research	\$45,698	\$33,077	\$1,052,845	\$1,052,845	\$1,052,845	\$1,052,845	\$1,052,845	\$1,052,845		
Mainstem Tangle Net		Coho	\$86,085	\$162,732	\$49,624	\$0	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610		
Total Commercial				\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$3,381,421	\$3,247,224	\$3,199,615	\$3,258,868	\$3,238,907	\$3,240,587	
Contribution to Total Sport Angler Trips by Fishery		Spring	Spring Chinook	109,655	145,642	151,173	124,441	139,594	139,594	139,594	139,594	139,594	139,594	
		Summer	Summer Chinook/Steelhead	52,037	53,661	50,555	58,067	53,580	53,580	53,580	53,580	53,580	53,580	
	Fall-Buoy 10	Fall Chinook/Coho	65,767	107,522	108,213	94,938	97,199	97,199	97,199	97,199	97,199	97,199		
	Fall-Mainstem	Fall Chinook/Coho	141,481	143,946	131,374	133,300	142,643	142,643	142,643	142,643	142,643	142,643		
	Total Sport			368,940	450,771	441,315	410,746	433,016	433,016	433,016	433,016	433,016	433,016	

<sup>a</sup> Assumes General Fund and Endorsement funding authorized under SB 830 is available for additional Select Area production

<sup>b</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Updated 12-19-16, 1-6-17, and 1-19-17 with following changes:

-Mitchell Act Coho production limit of 5.255M; reduced from long-term expected releases of 5.97M (~\$142K)

-Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)

-Mitchell Act tule CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021

-Updated average SAFE harvest rates (all stocks) with 2016 results based on new stock composition data (COH=-\$150K; CHS=+\$28K to+\$46K; CHF=-\$31-82K)

-Updated average SAFE non-local fall Chinook value based on new stock composition data (~\$28,200)

-Reduced 2017 Select Area CHS value by ~\$52K (assume no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation)

-Corrected small math error in 2016 fall mainstem commercial value (~0.2% increase to long-term expected ex-vessel)

-Total annual sport trips broken out by season/fishery; gain in fall trips for 2017-2022 distributed to Buoy 10 and mainstem fisheries based on avg proportion of modeled gains for 2013-15 (2016 not included due to zero fall gain that year)

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>Rebalance<sup>a</sup></b> (zero Summer value with no gear identified)	Spring 20% with mainstem post-update tangle net fishery; Summer 0% (no access); Fall LRH Tule 30% non-CSA (32% w/CSA) with Z4-5 gillnet and Conservation Set Aside (CSA) fishery; Coho 6" gillnet 0%; Coho tangle net 100%; Harvest Reform SAFE Releases, 2017+ CHS brood @ 3.34M (2.2M + 250K Westport/current site + 500K Gnat Cr + 390K backfill for Coho cuts at current site), 2017+ SAB brood @ 1.0M, 2013+ Coho brood @ 5.255M (Mitchell Act adjustment)	Sport	Total Trips	368,940	450,770	441,315	410,746	427,271	427,271	427,271	427,271	427,271	427,271	
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637	405,637	405,637	405,637	405,637	405,637
			Trip Δ	7,030	14,068	21,630	6,497	21,634	21,634	21,634	21,634	21,634	21,634	21,634
			Trip Δ %	1.9%	3.2%	5.2%	1.6%	5.3%	5.3%	5.3%	5.3%	5.3%	5.3%	5.3%
			Local Personal Income Impact <sup>b</sup>	\$24,110,229	\$29,457,820	\$28,839,935	\$26,842,251	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160
	Commercial	Total Ex-Vessel Value	\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$5,149,094	\$5,014,897	\$4,967,287	\$5,026,540	\$5,264,608	\$5,382,100		
		W/O Policy Ex-Vessel Value	\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113	\$5,922,983	\$5,866,786	\$5,756,838	\$5,751,001		
		Ex-Vessel Value Δ	(\$657,113)	(\$280,801)	(\$977,676)	\$32,506	(\$776,020)	(\$910,216)	(\$955,696)	(\$840,246)	(\$492,230)	(\$368,901)		
		Ex-Vessel Value Δ %	-10.9%	-4.4%	-16.1%	0.6%	-13.1%	-15.4%	-16.1%	-14.3%	-8.6%	-6.4%		
		Local Personal Income Impact	\$7,582,985	\$8,689,933	\$7,169,171	\$7,298,587	\$7,255,073	\$7,065,990	\$6,998,908	\$7,082,394	\$7,417,833	\$7,583,380		
	Combined	Local Personal Income Impact	\$31,693,214	\$38,147,752	\$36,009,106	\$34,140,838	\$35,177,233	\$34,988,150	\$34,921,067	\$35,004,554	\$35,339,992	\$35,505,539		
	Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$202,405	\$322,675	\$580,660	\$415,641	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100	
			Summer Chinook	\$144,962	\$172,266	\$206,307	\$275,108	\$0	\$0	\$0	\$0	\$0	\$0	
			Z4-5 Fall Chinook	\$2,812,736	\$2,575,129	\$2,515,140	\$2,799,595	\$2,578,034	\$2,578,034	\$2,578,034	\$2,578,034	\$2,578,034	\$2,578,034	
Coho			\$39,486	\$460,466	\$78,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Select Area Gillnet		Spring Chinook	\$747,281	\$353,896	\$925,104	\$926,477	\$669,495	\$759,282	\$814,865	\$850,806	\$1,118,080	\$1,233,892		
		Fall Chinook	\$779,085	\$497,362	\$378,842	\$301,281	\$635,608	\$473,780	\$365,115	\$388,427	\$359,220	\$360,901		
		Coho	\$569,780	\$1,622,922	\$297,190	\$428,588	\$948,863	\$886,707	\$892,180	\$892,180	\$892,180	\$892,180		
Mainstem Seine		Beach Chinook/Coho	-	research	\$10,951	\$210	\$32,501	\$32,501	\$32,501	\$32,501	\$32,501	\$32,501		
		Purse Chinook/Coho	-	research	\$45,698	\$33,077	\$106,883	\$106,883	\$106,883	\$106,883	\$106,883	\$106,883		
Mainstem Tangle Net		Coho	\$86,085	\$162,732	\$49,624	\$0	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610		
Total Commercial			\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$5,149,094	\$5,014,897	\$4,967,288	\$5,026,541	\$5,264,608	\$5,382,101		
Contribution to Total Sport Angler Trips by Fishery		Spring	Spring Chinook	109,655	145,642	151,173	124,441	139,594	139,594	139,594	139,594	139,594	139,594	
		Summer	Summer Chinook/Steelhead	52,037	53,661	50,555	58,067	53,580	53,580	53,580	53,580	53,580	53,580	
		Fall-Buoy 10	Fall Chinook/Coho	65,767	107,522	108,213	94,938	95,211	95,211	95,211	95,211	95,211	95,211	
	Fall-Mainstem	Fall Chinook/Coho	141,481	143,946	131,374	133,300	138,885	138,885	138,885	138,885	138,885	138,885		
	Total Sport			368,940	450,771	441,315	410,746	427,271	427,271	427,271	427,271	427,271		

<sup>a</sup> Assumes General Fund and Endorsement funding authorized under SB 830 is available for additional Select Area production

<sup>b</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Updated 12-19-16, 1-6-17, 1-19-17, and 2-14-17 with following changes:

-Mitchell Act Coho production limit of 5.255M; reduced from long-term expected releases of 5.97M (~\$142K); Oregon SAFE Coho cuts backfilled with 390K SAFE spring Chinook

-Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)

-Mitchell Act tule CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021

-Updated average SAFE harvest rates (all stocks) with 2016 results based on new stock composition data (COH=-\$150K; CHS=+\$28K to+\$46K; CHF=-\$31-82K)

-Updated average SAFE non-local fall Chinook value based on new stock composition data (~\$28,200)

-Reduced 2017 Select Area CHS value by ~\$52K (assume no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation)

-Corrected small math error in 2016 fall mainstem commercial value (~0.2% increase to long-term expected ex-vessel)

-Total annual sport trips broken out by season/fishery; gain in fall trips for 2017-2022 distributed to Buoy 10 and mainstem fisheries based on avg proportion of modeled gains for 2013-15 (2016 not included due to zero fall gain that year)

-Fall sport angler-trips associated with the conservation set-aside in Rebalance models revised using updated values.

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>Enhanced Commercial Rebalance<sup>a</sup></b> (20% Summer; 15% mainstem gillnet)	Spring 20% with mainstem post-update tangle net fishery; Summer 20% (15% mainstem gillnet); Fall LRH Tule 35% non-CSA (34% w/CSA) with Z4-5 gillnet and reduced CSA fishery; Coho 6" gillnet 0%; Coho tangle net 100%; Harvest Reform SAFE Releases, 2017+ CHS brood @ 3.34M (2.2M + 250K Westport/current site + 500K Gnat Cr + 390K backfill for Coho cuts at current site), 2017+ SAB brood @ 1.0M, 2016+ Coho brood @ 5.255M (Mitchell Act adjustment)	Sport	Total Trips	368,940	450,770	441,315	410,746	425,630	425,630	425,630	425,630	425,630	425,630	
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637	405,637	405,637	405,637	405,637	405,637
			Trip Δ	7,030	14,068	21,630	6,497	19,993	19,993	19,993	19,993	19,993	19,993	19,993
			Trip Δ %	1.9%	3.2%	5.2%	1.6%	4.9%	4.9%	4.9%	4.9%	4.9%	4.9%	4.9%
			Local Personal Income Impact <sup>b</sup>	\$24,110,229	\$29,457,820	\$28,839,935	\$26,842,251	\$27,814,921	\$27,814,921	\$27,814,921	\$27,814,921	\$27,814,921	\$27,814,921	\$27,814,921
		Commercial	Total Ex-Vessel Value	\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$5,636,131	\$5,501,934	\$5,454,325	\$5,513,577	\$5,751,645	\$5,869,138	
			W/O Policy Ex-Vessel Value	\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113	\$5,922,983	\$5,866,786	\$5,756,838	\$5,751,001	
			Ex-Vessel Value Δ	(\$657,113)	(\$280,801)	(\$977,676)	\$32,506	(\$288,982)	(\$423,179)	(\$468,658)	(\$353,209)	(\$5,193)	\$118,137	
			Ex-Vessel Value Δ %	-10.9%	-4.4%	-16.1%	0.6%	-4.9%	-7.1%	-7.9%	-6.0%	-0.1%	2.1%	
			Local Personal Income Impact	\$7,582,985	\$8,689,933	\$7,169,171	\$7,298,587	\$7,941,309	\$7,752,226	\$7,685,143	\$7,768,630	\$8,104,068	\$8,269,615	
		Combined	Local Personal Income Impact	\$31,693,214	\$38,147,752	\$36,009,106	\$34,140,838	\$35,756,229	\$35,567,146	\$35,500,064	\$35,583,551	\$35,918,989	\$36,084,536	
		Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$202,405	\$322,675	\$580,660	\$415,641	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100
				Summer Chinook	\$144,962	\$172,266	\$206,307	\$275,108	\$87,628	\$87,628	\$87,628	\$87,628	\$87,628	\$87,628
				Z4-5 Fall Chinook	\$2,812,736	\$2,575,129	\$2,515,140	\$2,799,595	\$3,052,935	\$3,052,935	\$3,052,935	\$3,052,935	\$3,052,935	\$3,052,935
Coho	\$39,486			\$460,466	\$78,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Select Area Gillnet	Spring Chinook		\$747,281	\$353,896	\$925,104	\$926,477	\$669,495	\$759,282	\$814,865	\$850,806	\$1,118,080	\$1,233,892		
	Fall Chinook		\$779,085	\$497,362	\$378,842	\$301,281	\$635,608	\$473,780	\$365,115	\$388,427	\$359,220	\$360,901		
	Coho		\$569,780	\$1,622,922	\$297,190	\$428,588	\$948,863	\$886,707	\$892,180	\$892,180	\$892,180	\$892,180		
Mainstem Seine	Beach Chinook/Coho		-	research	\$10,951	\$210	\$14,898	\$14,898	\$14,898	\$14,898	\$14,898	\$14,898		
	Purse Chinook/Coho		-	research	\$45,698	\$33,077	\$48,994	\$48,994	\$48,994	\$48,994	\$48,994	\$48,994		
Mainstem Tangle Net	Coho		\$86,085	\$162,732	\$49,624	\$0	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610		
Total Commercial				\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$5,636,131	\$5,501,934	\$5,454,325	\$5,513,578	\$5,751,646	\$5,869,138	
Contribution to Total Sport Angler Trips by Fishery	Spring		Spring Chinook	109,655	145,642	151,173	124,441	139,594	139,594	139,594	139,594	139,594	139,594	
	Summer		Summer Chinook/Steelhead	52,037	53,661	50,555	58,067	53,580	53,580	53,580	53,580	53,580	53,580	
	Fall-Buoy 10		Fall Chinook/Coho	65,767	107,522	108,213	94,938	94,643	94,643	94,643	94,643	94,643	94,643	
	Fall-Mainstem	Fall Chinook/Coho	141,481	143,946	131,374	133,300	137,812	137,812	137,812	137,812	137,812	137,812		
	Total Sport			368,940	450,771	441,315	410,746	425,630	425,630	425,630	425,630	425,630	425,630	

<sup>a</sup> Assumes General Fund and Endorsement funding authorized under SB 830 is available for additional Select Area production

<sup>b</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Updated 12-19-16, 1-6-17, 1-19-17, and 2-14-17 with following changes:

-Mitchell Act Coho production limit of 5.255M; reduced from long-term expected releases of 5.97M (~\$142K); Oregon SAFE Coho cuts backfilled with 390K SAFE spring Chinook

-Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)

-Mitchell Act tulle CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021

-Updated average SAFE harvest rates (all stocks) with 2016 results based on new stock composition data (COH=-\$150K; CHS=+\$28K to+\$46K; CHF=-\$31-82K)

-Updated average SAFE non-local fall Chinook value based on new stock composition data (~\$28,200)

-Reduced 2017 Select Area CHS value by ~\$52K (assume no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation)

-Corrected small math error in 2016 fall mainstem commercial value (~0.2% increase to long-term expected ex-vessel)

-Total annual sport trips broken out by season/fishery; gain in fall trips for 2017-2022 distributed to Buoy 10 and mainstem fisheries based on avg proportion of modeled gains for 2013-15 (2016 not included due to zero fall gain that year)

-Fall sport angler-trips associated with the conservation set-aside in Rebalance models revised using updated values.

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
<b>Washington Fish and Wildlife Commission January 14th Policy</b>	Spring 20% allocation for SAFE only; Summer 20% with gear TBD/no value; Fall LRH Tule 25% with Z4-5 gillnet thru 2018; beach & purse seine Z 1-5 MSF fishery; No Coho 6" gillnet; Coho tangle net 100%; includes current plan SAFE releases, 2017+ SAB brood @ 1.0M, 2017+ CHS brood @2.95M; 2016+ Coho brood @ 5.255M (Mitchell Act adjustment)	Sport	Total Trips	368,940	450,770	441,315	410,746	428,913	428,913						
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637						
			Trip Δ	7,030	14,068	21,630	6,497	23,276	23,276						
			Trip Δ %	1.9%	3.2%	5.2%	1.6%	5.7%	5.7%						
				Commercial	Local Personal Income Impact <sup>a</sup>	\$24,110,229	\$29,457,820	\$28,839,935	\$26,842,251	\$28,029,465	\$28,029,465				
			Total Ex-Vessel Value		\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$4,415,927	\$4,301,443			Undetermined		
			W/O Policy Ex-Vessel Value		\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113					
			Ex-Vessel Value Δ		(\$657,113)	(\$280,801)	(\$977,676)	\$32,506	(\$1,509,187)	(\$1,623,671)					
			Ex-Vessel Value Δ %		-10.9%	-4.4%	-16.1%	0.6%	-25.5%	-27.4%					
			Local Personal Income Impact		\$7,582,985	\$8,689,933	\$7,169,171	\$7,298,587	\$6,222,041	\$6,060,733					
				Combined	Local Personal Income Impact	\$31,693,214	\$38,147,752	\$36,009,106	\$34,140,838	\$34,251,506	\$34,090,197				
			Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$202,405	\$322,675	\$580,660	\$415,641	\$0	\$0				
		Summer Chinook			\$144,962	\$172,266	\$206,307	\$275,108	\$0	\$0					
		Z4-5 Fall Chinook			\$2,812,736	\$2,575,129	\$2,515,140	\$2,799,595	\$2,035,290	\$2,035,290					
Coho	\$39,486	\$460,466			\$78,612	\$0	\$0	\$0							
	Select Area Gillnet	Spring Chinook		\$747,281	\$353,896	\$925,104	\$926,477	\$669,495	\$759,282						
Fall Chinook		\$779,085		\$497,362	\$378,842	\$301,281	\$635,608	\$473,780			Undetermined				
Coho		\$569,780		\$1,622,922	\$297,190	\$428,588	\$945,637	\$903,194							
	Mainstem Seine	Beach Chinook/Coho		-	research	\$10,951	\$210	\$12,891	\$12,891						
Purse Chinook/Coho		-		research	\$45,698	\$33,077	\$42,395	\$42,395							
	Mainstem Tangle Net	Coho		\$86,085	\$162,732	\$49,624	\$0	\$74,610	\$74,610						
	Total Commercial			\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$4,415,927	\$4,301,443						
	Contribution to Total Sport Angler Trips by Fishery	Spring		Spring Chinook	109,655	145,642	151,173	124,441	139,594	139,594					
Summer		Summer Chinook/Steelhead		52,037	53,661	50,555	58,067	53,580	53,580						
Fall-Buoy 10		Fall Chinook/Coho		65,767	107,522	108,213	94,938	95,779	95,779			Undetermined			
Fall-Mainstem		Fall Chinook/Coho	141,481	143,946	131,374	133,300	139,959	139,959							
Total Sport				368,940	450,771	441,315	410,746	428,913	428,913						

<sup>a</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Updated 12-19-16 and 1-5-17 and 1-17-17 with following changes:

-Modeled through 2018 due to uncertainties in allowable gear type for 2019-22 fall fisheries.

-Commercial upriver spring Chinook allocation 20% for SAFE fisheries only; summer Chinook 20% with gear TBD (no value); LRH 25% with gillnets allowed Z4-5 in 2017-18; Coho tangle net fishery at 2013-16 average.

-2017+ brood SAFE spring Chinook releases at 2.95M assumed for Harvest Reform

-Mitchell Act Coho production limit of 5.255M; reduced from long-term expected releases of 5.97M (~\$142K)

-Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)

-Mitchell Act tule CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021

-Updated average SAFE harvest rates (all stocks) with 2016 results based on new stock composition data (COH=-\$150K; CHS=+\$28K to+\$46K; CHF=-\$31-82K)

-Updated average SAFE non-local fall Chinook value based on new stock composition data (~\$28,200)

-Reduced 2017 Select Area CHS value by ~\$52K (assume no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation)

-Corrected small math error in 2016 fall mainstem commercial value (~0.2% increase to long-term expected ex-vessel)

Option	Model Inputs	Fishery	Metric	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>73% sport:27% commercial LRH<sup>a</sup></b> (zero Summer value with no gear identified)	Spring 20% with mainstem post-update tangle net fishery; Summer 0% (no access); Fall LRH Tule 27% non-CSA with Z4-5 gillnet; beach & purse seine Z 1-5 MSF fishery; Coho 6" gillnet 0%; Coho tangle net 100%; Harvest Reform SAFE Releases, 2017+ CHS brood @ 3.34M (2.2M + 250K Westport/current site + 500K Gnat Cr + 390K backfill for Coho cuts at current site), 2017+ SAB brood @ 1.0M, 2013+ Coho brood @ 5.255M (Mitchell Act adjustment)	Sport	Total Trips	368,940	450,770	441,315	410,746	427,271	427,271	427,271	427,271	427,271	427,271	
			W/O Policy Trips	361,910	436,702	419,685	404,249	405,637	405,637	405,637	405,637	405,637	405,637	
			Trip Δ	7,030	14,068	21,630	6,497	21,634	21,634	21,634	21,634	21,634	21,634	
			Trip Δ %	1.9%	3.2%	5.2%	1.6%	5.3%	5.3%	5.3%	5.3%	5.3%		
			Local Personal Income Impact <sup>b</sup>	\$24,110,229	\$29,457,820	\$28,839,935	\$26,842,251	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	\$27,922,160	
		Commercial	Total Ex-Vessel Value	\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$4,758,421	\$4,624,224	\$4,576,614	\$4,635,867	\$4,873,935	\$4,991,428	
			W/O Policy Ex-Vessel Value	\$6,038,933	\$6,448,248	\$6,065,803	\$5,147,470	\$5,925,113	\$5,925,113	\$5,922,983	\$5,866,786	\$5,756,838	\$5,751,001	
			Ex-Vessel Value Δ	(\$657,113)	(\$280,801)	(\$977,676)	\$32,506	(\$1,166,692)	(\$1,300,889)	(\$1,346,369)	(\$1,230,919)	(\$882,903)	(\$759,573)	
			Ex-Vessel Value Δ %	-10.9%	-4.4%	-16.1%	0.6%	-19.7%	-22.0%	-22.7%	-21.0%	-15.3%	-13.2%	
			Local Personal Income Impact	\$7,582,985	\$8,689,933	\$7,169,171	\$7,298,587	\$6,704,615	\$6,515,532	\$6,448,450	\$6,531,937	\$6,867,375	\$7,032,922	
		Combined	Local Personal Income Impact	\$31,693,214	\$38,147,752	\$36,009,106	\$34,140,838	\$34,626,775	\$34,437,692	\$34,370,610	\$34,454,096	\$34,789,535	\$34,955,082	
		Contribution to Total Commercial Ex-Vessel Value by Fishery	Mainstem Gillnet	Spring Chinook	\$202,405	\$322,675	\$580,660	\$415,641	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100	\$103,100
				Summer Chinook	\$144,962	\$172,266	\$206,307	\$275,108	\$0	\$0	\$0	\$0	\$0	
				Z4-5 Fall Chinook	\$2,812,736	\$2,575,129	\$2,515,140	\$2,799,595	\$2,289,701	\$2,289,701	\$2,289,701	\$2,289,701	\$2,289,701	\$2,289,701
Coho	\$39,486			\$460,466	\$78,612	\$0	\$0	\$0	\$0	\$0	\$0			
Select Area Gillnet	Spring Chinook		\$747,281	\$353,896	\$925,104	\$926,477	\$669,495	\$759,282	\$814,865	\$850,806	\$1,118,080	\$1,233,892		
	Fall Chinook		\$779,085	\$497,362	\$378,842	\$301,281	\$635,608	\$473,780	\$365,115	\$388,427	\$359,220	\$360,901		
	Coho		\$569,780	\$1,622,922	\$297,190	\$428,588	\$948,863	\$886,707	\$892,180	\$892,180	\$892,180	\$892,180		
Mainstem Seine	Beach Chinook/Coho		-	research	\$10,951	\$210	\$8,638	\$8,638	\$8,638	\$8,638	\$8,638	\$8,638		
	Purse Chinook/Coho		-	research	\$45,698	\$33,077	\$28,406	\$28,406	\$28,406	\$28,406	\$28,406	\$28,406		
Mainstem Tangle Net	Coho		\$86,085	\$162,732	\$49,624	\$0	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610	\$74,610		
Total Commercial				\$5,381,820	\$6,167,447	\$5,088,127	\$5,179,976	\$4,758,421	\$4,624,224	\$4,576,615	\$4,635,868	\$4,873,936	\$4,991,428	
Contribution to Total Sport Angler Trips by Fishery	Spring		Spring Chinook	109,655	145,642	151,173	124,441	139,594	139,594	139,594	139,594	139,594	139,594	
	Summer		Summer Chinook/Steelhead	52,037	53,661	50,555	58,067	53,580	53,580	53,580	53,580	53,580		
	Fall-Buoy 10		Fall Chinook/Coho	65,767	107,522	108,213	94,938	95,211	95,211	95,211	95,211	95,211		
	Fall-Mainstem	Fall Chinook/Coho	141,481	143,946	131,374	133,300	138,885	138,885	138,885	138,885	138,885			
	Total Sport			368,940	450,771	441,315	410,746	427,271	427,271	427,271	427,271	427,271		

<sup>a</sup> Assumes General Fund and Endorsement funding authorized under SB 830 is available for additional Select Area production

<sup>b</sup> Local Personal Income Impact for the sport fishery assumes zero guided trips (data not available). Therefore, values shown are a minimum.

Additional Assumptions:

-Mitchell Act Coho production limit of 5.255M; reduced from long-term expected releases of 5.97M (~\$142K); Oregon SAFE Coho cuts backfilled with 390K SAFE spring Chinook

-Mitchell Act Select Area Bright CHF releases capped at 1.0M (long-term expected 1.44M); expected and base ex-vessel adjusted down -\$50K to -\$117K effective 2020-22 (assumes MA cut is independent of HR Policy)

-Mitchell Act tule CHF releases capped at 3.875M (long-term expected 6.445M); expected and base ex-vessel adjusted down -\$2K to -\$57K effective 2019-22 (assumes MA cut is independent of HR Policy); Deep River CHF fishery terminates 2021

-SAFE harvest rates (all stocks) include 2016 results based on new stock composition data

-Assumes no Cathlamet Channel fishery due to restrictive commercial Willamette CHS allocation

-Total annual sport trips broken out by season/fishery; gain in fall trips for 2017-2022 distributed to Buoy 10 and mainstem fisheries based on avg proportion of modeled gains for 2013-15 (2016 not included due to zero fall gain that year)