

Comprehensive Review of the Willapa Bay Salmon Management Policy C-3622 - Report Card

General Fisheries Management		
Prioritize restoration and conservation of wild salmon		Mixed, on-going
Work with partners to protect and restore habitat productivity		Mixed, on-going
Implement improved broodstock management		Mixed, pHOS not met in all areas
Investigate and promote the development and implementation of alternative selective gear		Mixed, only tangle nets tested
Work through the Pacific Salmon Commission to promote conservation objectives		Mixed, on-going
Monitoring, sampling and enforcement programs to account for species impacts		Yes, implemented
In-season management actions to meet conservation and management objectives		Yes, implemented
Transparency of salmon management and catch accounting		Yes, implemented
Improved fishery management and technical tools		Mixed, on-going
Promote mark-selective fisheries		Yes, implemented
Chinook Management		
Population designations - Willapa River; primary, Naselle River; contributing		Yes, implemented
20% impact rate on Willapa and Naselle River natural origin Chinook		Mixed, pre-season yes post-season no
Prioritize recreation fishing opportunities		Yes, implemented
Alternative gear set aside		Mixed, pre-season yes post-season no
Timing of commercial fisheries		Yes, implemented
Hatchery production		Mixed, not in all facilities
Coho Management		
Population designations		Yes, implemented
Achieve aggregate spawner goal		Mixed, pre-season yes post-season no
Prioritize commercial fishing opportunities		Yes, implemented
Chum Management		
Population designations		Yes, implemented
Achieve aggregate spawner goal		Mixed, pre-season yes post-season no
Prioritize commercial fishing opportunities		Yes, implemented
10% impact rate cap		Yes, implemented
Adaptive Management		
Conduct annual fishery management review		Yes
Improve in-season management		Mixed, on-going
Review spawner goals		No
Comprehensive hatchery assessment		Yes
Ocean ranching report		Yes

Willapa Bay Salmon Management Policy – Implementation and Performance

Fall Chinook

- Wild Impact Rate
 - 20% goal in Phase 1
 - Growth of marine recreational fishery higher than anticipated
 - Fishery timing is key
- Hatchery Reform
 - 30% pHOS goal for Willapa and Naselle
 - Naselle weir and attraction channel
 - Production reduction at Forks Creek Hatchery

Wild Chinook Impact Rates

Year	Willapa	Naselle	Willapa Bay Total
2015	22.5%	22.2%	22.2%
2016	24.2%	24.5%	21.4%
2017*	21.7%	10.5%	14.6%

Proportion of Hatchery Fish on Spawning Grounds

Year	Willapa	Naselle
2015	69.9%	68.5%
2016	81.0%	74.9%
2017*	75.4%	25.6%

* preliminary

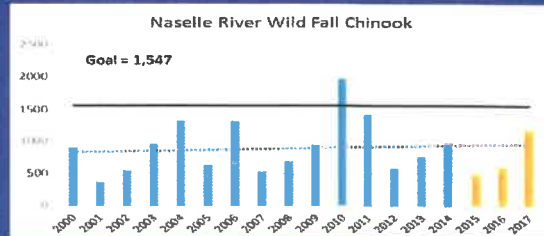
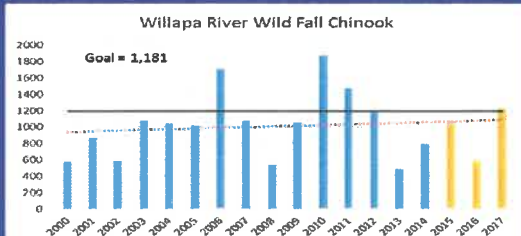
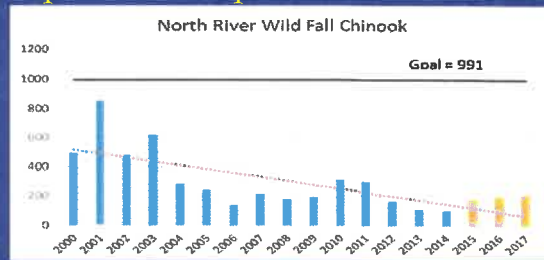
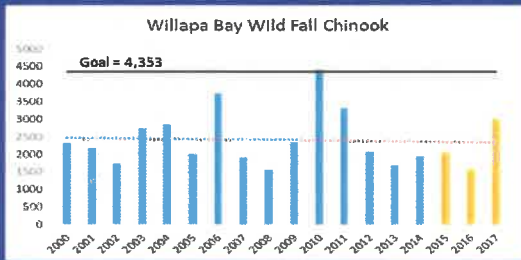
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Willapa Bay Salmon Management Policy – Implementation and Performance

Fall Chinook Wild Spawner Escapement



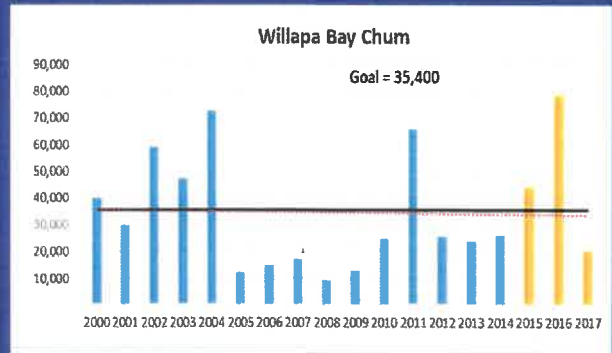
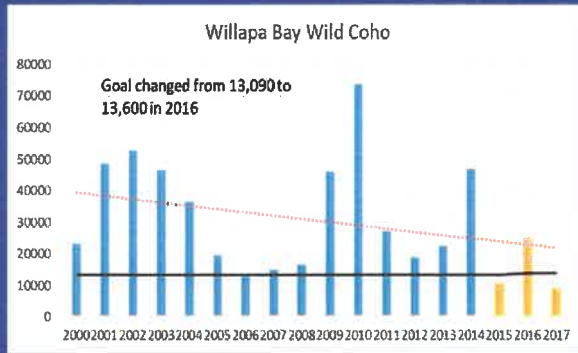
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Willapa Bay Salmon Management Policy – Implementation and Performance

Coho and Chum Spawner Escapement



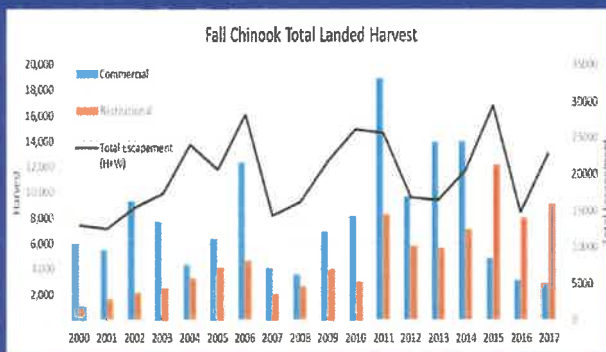
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Willapa Bay Salmon Management Policy – Implementation and Performance

Total Chinook Landed Harvest by Fishery Sector



Years	Commercial	Recreational
2011-2014 avg.	14,146	6,724
2015	4,840	12,184
2016	3,142	7,994
2017	2,942	9,096

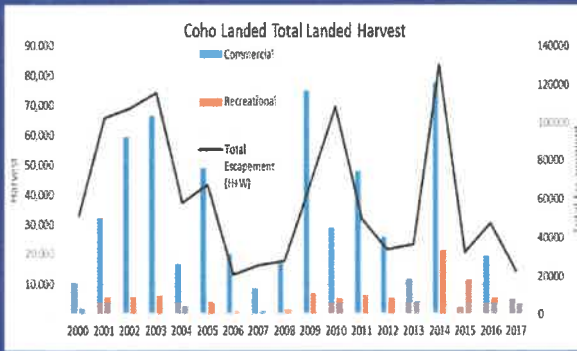
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Willapa Bay Salmon Management Policy – Implementation and Performance

Total Coho Landed Harvest by Fishery Sector



Years	Commercial	Recreational
2011-2014 avg.	40,701	9,056
2015	1,926	11,156
2016	19,324	5,270
2017	4,615	3,203

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Willapa Bay Salmon Management – Challenges

Commercial Fishery

- Reduction in effort and ex-vessel value
- Variability in Coho harvest
- Alternative gear – tangle nets
- Lack of access to Chinook & Chum

Recreational Fishery

- Local vs. non local wild Chinook impacts
- North end production contribution rate to marine fishery
- Freshwater fishery monitoring
- Lack of freshwater access
- Disorderly fisheries

Hatcheries

- Removal of hatchery fish
- Chinook broodstock
 - Backfilling
 - *Ichthyophthirius multifiliis*
- Stream side incubation boxes
- Outcome of hatchery reform review
- SRKW

Policy

- 14% impact rate cap for wild Chinook in 2019

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