

2012 Puget Sound Summer/Fall Chinook Preseason Forecasts

								Comp Chinook Management Criteria		
Region	Watershed	Notes	Forecast Type	Hatchery	Supplmt	Wild	Total	RER/8	Low Abundance Thresholds/9	
Strait	Hoko	1	Esc w/o fishing			2,280	2,280	<10% So. U.S.	500 spawners	
	Dungeness	1	Terminal	623		95	718	<10% So. U.S.	500 spawners	
	Elwha	2	Terminal	1,911		111	2,022	<10% So. U.S.	1,000 spawners	
	Morse Creek	2	Terminal	148			148			
	Region total			2,682		2,486	5,168			
North Sound	Glenwood Springs		4B	1,130			1,130			
	Nooksack/Samish	3	4B	42,843			42,843			
	Skagit		Terminal	1,326		8,530	9,855	50% total	4,800 spawners	
	Stillaguamish		Esc w/o fishing	581		424	1,005	25% total	650	
	Snohomish		Esc w/o fishing	3,862		2,775	6,637	21% total	2,800 spawners	
	Tulalip		Esc w/o fishing	6,052			6,052			
	Region total			55,794	0	11,729	67,523			
Upper South Soun	Lake Washington									
	Issaquah	5	Terminal	4,728			4,728			
	Univ. of Wa		Terminal	1,308			1,308			
	Cedar	1	Terminal			1,105	1,105	15% preterm So. U.S., 1,680 esc goal	200 spawners	
	Sammamish	1	Terminal			1,279	1,279			
		Subregion total			6,036		2,384	8,420		
	Green River									
	Soos Creek Hatchery		Term w/o sport	8,358			8,358			
	Icy Creek		Term w/o sport	1,445			1,445			
	Mainstem/Newaukum	1	Esc w/o fishing			1,910	1,910	15% preterm So. U.S., 5,800 esc goal	1,800 spawners	
	Subregion total			9,803		1,910	11,713			
Grovers		4B	2,576			2,576				
East Kitsap (Gorst, Dogfish)	4	4B	7,515			7,515				
	Subregion total			10,091			10,091			
Puyallup River	1	4B	7,396		3,134	10,530	50% total	500 spawners/12		
	Upper South Sound Total			33,326		7,428	40,754			

2012 Puget Sound Summer/Fall Chinook Preseason Forecasts (continued)

Region	Watershed	Notes	Hatchery	Supplmt	Wild	Total	Comp Chinook Management Criteria	
							RER 8/	Low Abundance Thresholds 9/
Lower South Soun	Carr Inlet	5 4B	9,335			9,335		
	Deschutes	5 4B	9,958			9,958		
	Nisqually	1 4B	36,106		1,496	37,602	56% RER	
	Chambers	5 4B	7,099			7,099		
	McAllister	6 4B				0	Program is terminated	
	Coulter	7 4B				0	Program is terminated	
	Lower South Sound Total			62,498		1,496	63,994	
	South Sound Total		95,824	0	8,924	104,748		
Hood Canal	Skokomish w/George Adams	10 Terminal	30,813		2,620	33,433	50% RER	1,300 spawners/13
	12B Naturals	Terminal			192	192	15% preterm So. U.S. 750 esc goal	400 spawners
	12C/12H	Terminal	13,060		21	13,081		
	12D	Terminal			21	21		
	Hood Canal Total		43,873	0	2,853	46,726		
	Grand Total		198,174	0	25,992	224,165		
Footnotes	<ol style="list-style-type: none"> 1. Wild forecast Includes hatchery origin and natural origin fish. 2. Hatchery and natural proportions of the return estimated from the most recent 3 years of otolith and CWT data. 3. This includes returns to Samish, Whatcom, Nooksack and Lummi Bay and neighboring streams. 4. Forecast resulting from rearing pond production spawning in river of origin or in neighboring streams 5. Combined natural and hatchery spawner forecast (all fish of hatchery origin) 6. Last releases from BY 2001; no Fall Chinook are expected. 7. Hatchery Chinook releases terminated with BY 2000; no Fall Chinook are expected. 8. RER= Recovery Exploitation Rate (interim management ceiling during recovery phase). 9. Level of spawning abundance that triggers additional management action. 10. The low abundance threshold includes 800 natural and/or 500 hatchery spawners 11. Threshold expressed as natural origin spawners 12. Goal for South Prairie Cr Index 13. Aggregate for combined hatchery and wild spawners 							

Puget Sound Spring Chinook 2012 Preseason Forecasts

	Notes	Forecast Type	Hatchery	Supplmt	Wild	Total	RER	Low Abundance Thresholds
Nooksack River								
North Fork	1	Escapement	1,132	1,382	170	2,684	Under Development	1000 spawners/11
South Fork	2	Escapement	143		146	289	Under Development	1000 spawners/11
Skagit River								
		Terminal	2,478		1,112	3,590	38% total	576 spawners
White River								
Minter Creek		Terminal	982			982		
White River Hatchery	3	Terminal	856			856		
Buckley Trap	4	Terminal		1,895		1,895	20% total	200 spawners
Upper Puyallup		4B run size		250		250		
Total White River Springs						3,983		
Total Puget Sound			5,591	3,527	1,428	10,546		
<ol style="list-style-type: none"> 1. Supplementation number is hatchery-origin acclimated fish expected to spawn in the wild. 2. Forecast of SF Nooksack stock origin chinook. 3. Forecast of returns to the hatchery rack only. 4. Includes naturally produced spring and fall chinook returns and acclimation pond production. 								

Washington Coast 2012 Chinook Preseason Forecasts

	Hatchery	Wild	Totals	Natural Escapement Goal
North Coast				
Quillayute River				
Spring	1,453		1,453	200
Summer		767	767	1,200
Fall		6,592	6,592	> of 3,000 or 60% of run
Hoh				
Spring/Summer		997	997	>of 900 or 69% of RS
Fall		2,683	2,683	>of 1,200 or 60% of RS
Queets				
Spring/Summer	na	na	na	>of 700 or 70% of RS
Fall	na	na	na	>of 2,500 or 60% of RS
Quinault				
Fall	3,835	7,655	11,490	
North Coast Totals				
<i>Summer/Falls:</i>	3,835	17,697	21,532	
<i>Spring/Summers:</i>	1,453	997	2,450	
Grays Harbor				
Chehalis springs		2,301	2,301	1,400
Chehalis falls	1,119	19,396	20,515	12,364
Humptulips falls	2,967	6,224	9,191	2,236
Subregion Falls Total	4,086	25,620	29,706	
Willapa Bay - Fall Chinook	40,518	5,222	45,740	
Coast Total	49,892	51,837	101,729	