

----- FINAL DRAFT: Updated to reflect 4/16 meeting notes -----

Puget Sound Comprehensive Coho Management Plan					Spawner Abundance	HAIP Designation	Are HAIP designations Aligned?	Areas needing attention			
CCMP Production Region	CCMP Management Unit	Production Type Wild/Hatch/Both	Natural Populations (SaSI/Other)	CCMP Natural pop Classification (Primary/Secondary)	Recent Spawner Abundance Estimates-avg. (yrs) (Natural-origin or Aggregate)	Draft HAIP Population Designation (Primary, Contributing, Stabilizing)	PSHAAC Population Designation (Primary, Contributing, Stabilizing)	Hatchery Programs Associated with Populations	Estimated Economic Value of the Program (Annual Personal Income Generated, TCW Econ. 2009) WDFW only	Currently meeting HSRG standards? (Yes/No/Unk) Based on 2010 estimate	PSHAAC WSMZ Candidate? (Yes/No)
Nooksack/ Samish	Area 7/7A Independents	Both	<b>North Puget Sound tribs Coho</b> (SaSI)	Secondary	No Est. (need to verify)	Georgia Strait Indep. Tribs - <b>Primary</b>	Primary	---	---	---	Yes (by default)
	Nooksack (Disc. 2009)	Both	<b>Nooksack Coho</b> Genetic analysis (Small 2003) shows differentiated groups in the Nooksack system—upper Nooksack “wild” and other “hatchery”.	Secondary	<b>587</b> (2005-2009) (Aggregate)	Upper Nooksack- <b>Primary</b> General Nooksack - <b>Stabilizing</b>	Primary/ Stabilizing	Program at Kendall Cr Hatchery (WDFW) (NF Nooksack) WDFW discontinued in 2009. Lummi Sea Ponds (LUMM), Skookum Cr.	\$341,970	Program discontinued 2009	---
	Samish	Wild	<b>Samish Coho</b> Genetic analysis (Small 2003) shows some similarity with Nooksack hatchery stock	Secondary	<b>3,430+ 10k</b> (2005-2009) (Aggregate)	(1993 – 1997) 7,5k (2003-2007) 10k <b>Primary</b>	Primary	---	---	---	Yes
Skagit	Skagit River	Both	<b>Skagit Coho</b> All samples from Skagit basin are genetically distinct from other WA coho pops. Also, show evidence of In-basin differentiation — could be several distinct Skagit pops.	Primary	<b>20,126</b> (1998-2002) (Aggregate)	<b>Primary</b> - Tribes say one pop and Regional staff agrees	Primary	Marblemount Hatchery (WDFW) - Integrated	\$878,809	pHOS estimates based on historic anecdotal estimate. Need to update by 2015 goal	Yes
	Baker River	Hatchery	---	Secondary	<b>3,774</b> (2005-2009) (Aggregate)	---	---	Baker Lake Hatchery (WDFW) - Integrated	---	Yes	---
Stillaguamish/ Snohomish	Stillaguamish River	Wild	<b>Stillaguamish and Deer Cr Coho</b> - Genetic analysis (1980s) showed Stillaguamish coho to be genetically distinct for other PS stocks but similar to Skagit. No analysis for Deer Cr.	Primary	<b>27,801</b> (2007-2011) (Natural-origin)	<b>Primary</b>	Primary	NF Hatchery (STIL) - Integrated	---	---	---
	Snohomish River	Both	<b>Snohomish, Skykomish, SF Skykomish, Snoqualmie Coho</b> - All pops, except for SF Sky(not analyzed), showed genetic distinction from one another and other PS coho stocks.	Primary	<b>137,552</b> (2006-2010) (Aggregate)	<b>Primary</b>	Primary	Wallace River Hatchery (WDFW) - Integrated	\$325,200	Yes	Potential Snoqualmie
	Tulalip Hatchery	Hatchery	---	---	---	---	---	Bernie Gobin (TULA)- Segregated- from Wallace R	---	---	---

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Mid-Puget Sound	Lake WA	Both	<b>Lake WA/Sammamish tribs, Cedar Coho</b> No genetic analysis	Secondary	<b>665</b> (2007-2011) (Aggregate)	Stabilizing (check on RSI's on Cedar)	Primary (Cedar only) (Caveat to protect RSI Program, Contributing if RSI is jeopardized by Primary)	Issaquah Hatchery Coho (WDFW) - Integrated; Many Coop RSI programs - Segregated (65% off-station unmarked)	\$530,097	Yes	Yes
	Green/Duwamish	Both	<b>Green River/Soos Cr Coho</b> Genetic analysis (1990s) showed Soos Cr hatchery fish to be genetically distinct from other WA coho stocks.	Secondary	<b>3,378</b> (2007-2011) (Aggregate)	Stabilizing (Crisp Cr. pHOS issues)	Contributing	Soos Creek Hatchery (WDFW)- Integrated; Crisp Creek Pond (MUCK)- from Soos	\$1,793,360	Yes	---
	Elliot Bay	Hatchery Net Pens	---	---	---	---	---	Co-op Elliot Bay Net Pens (MUCK/SUQ)- Segregated - from Soos	---	---	---
	Area 10 and 11	Wild	<b>East Kitsap Coho</b> No genetic analysis	Secondary	<b>6,650</b> (2003-2007) (Aggregate)	Not designated (Need to discuss with Co-Managers)	Contributing (need to reduce strays?)	---	---	---	Yes
	Area 10E	Hatchery	---	---	---	---	---	Agate Pass Net Pens (SUQ)- Segregated from Minter Cr.	WDFW restarted recently	---	---
	Area 11	Hatchery Net Pens	---	---	---	---	---	Des Moines Net Pens (WDFW Coop) - Segregated- from Soos.	---	---	---
	Puyallup River	Both	<b>Puyallup Coho, White River Coho</b> No genetic analysis	Secondary	<b>11,353</b> (2006-2010) (Aggregate)	Puyp - Stabilizing, White - Contributing	Stabilizing (Puyallup)  Primary (White)	Voights Creek Hatchery (WDFW) - Integrated	\$2,909,573	Yes (Puyallup)	White - Yes
South Puget Sound	Area 13/13C	Wild	<b>Chambers Creek Coho</b> No genetic analysis	Secondary	<b>113</b> (2005-2009) (Aggregate)	Not designated	Stabilizing	---	---	---	---
	Sequalichew	Hatchery	---	---	---	---	---	?	---	---	---
	Nisqually River	Both	<b>Nisqually Coho</b> No genetic analysis	Secondary	<b>2,834</b> (2004-2008) (Aggregate)	Not yet designated	???	Kalama Creek Hatchery (NIT) - Integrated	---	unk	---
	Area 13A	Wild	<b>Deep South Sound Coho, Deschutes Coho</b> (Minter Cr)- No genetic analysis	Secondary	<b>4,664</b> (2004-2008) (Aggregate)	Not yet designated (Minter = Contributing; others?)	Contributing	Minter Creek Hatchery (WDFW)- Integrated	\$792,509	Yes	Several Potential

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	Misc. 13D-K	Wild	<b>Deep South Sound Coho, Deschutes Coho</b> No genetic analysis	Secondary	<b>4,664</b> (2004-2008) (Aggregate)	Not yet designated (Minter = Contributing; others?)	Contributing	South Sound Net Pens (WDFW/SQAX) - Segregated	---	unk	Several Potential
	South Sound Net Pens	Hatchery Net Pens	---	---	---	---	---	South Sound Net Pens (WDFW/SQAX)- Segregated	---	---	---
	Area 13F	Wild	<b>Deep South Sound Coho, Deschutes Coho</b> No genetic analysis	Secondary	<b>4,664</b> (2004-2008) (Aggregate)	Not yet designated (Minter = Contributing; others?)	Contributing	---	---	---	Several Potential
Hood Canal	Area 9A	Hatchery Net Pens	---	Secondary	---	---	---	Port Gamble Net Pens (WDFW/Port Gamble S'Kallam Tribe/USFWS) - Segregated	---	---	---
	Area 12A	Both	<b>Quilcene/ Dabob Bay Coho</b> Genetic analysis of Quilcene Hatchery coho collected in 1994 showed that they differed significantly from all other coho sampled in Washington (David Teel, NMFS, personal communication).	Secondary	<b>474</b> (2006-2010) (Aggregate)	Not designated	Stabilizing	Big Quilcene Hatchery (USFWS)-Segregated  Quilcene Bay Net Pen (SKOK/ USFWS) - Segregated	---	---	---
	Mainstem Hood Canal	Wild	<b>Northeast Hood Canal Coho, Dewatto Coho, Southeast Hood Canal Coho, Southwest Hood Canal Coho, Hamma Hamma Coho, Duckabush Coho, Dosewalips Coho-</b> Genetic analysis during 1994 to 1996 showed Dewatto coho to be significantly different from all other Washington coho stocks examined (David Teel, NMFS, personal communication). No other populations analyzed.	Primary	<b>21,714</b> (2006-2010) (Natural-origin)	Not designated	Primary	---	---	---	Yes Need stray-rates from other area programs
	George Adams Hatchery	Hatchery	<b>Skokomish Coho</b> Genetic analysis of North Fork Skokomish coho sampled in 1994 and 1995 showed them to be significantly different from all other Washington coho (David Teel, NMFS, personal communication).	Secondary	<b>9,372</b> (2006-2010) (Natural-origin)	Not designated	Contributing	George Adams Hatchery (WDFW) - Segregated	\$557,788	Yes	---

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SJF Tributaries	Eastern SJF	Wild	<b>Chimacum Creek Coho, Discovery Bay Coho, Morse Creek Coho, Sequim Bay Coho-</b> No genetic analysis	Primary	<b>2,568</b> (2005-2009) (Aggregate)	Not designated	Primary	---	---	---	Yes
	Dungeness River	Both	<b>Dungeness Coho</b> Genetic analysis of Dungeness Hatchery coho made in 1987 shows that this stock is significantly different from all other Washington coho stocks examined (David Teel, NMFS, personal communication).	Primary	<b>480</b> (1988-1992) (Aggregate)	Stabilizing	Stabilizing	Dungeness Hatchery (WDFW) – Segregated	500K \$540,642	Yes	---
	Elwha River	Both	<b>Elwha Coho</b>	Primary	<b>No Est.</b> (verify this)	Primary	Primary	Elwha Hatchery (LEKT) – Integrated	---	---	---