

SALMON TECHNICAL TEAM REPORT 2
SOUTHERN RESIDENT KILLER WHALES PRIORITY PREY STOCKS
WITH MODEL REPRESENTATION

At the March 2019 Council meeting, The National Marine Fisheries Service (NMFS) announced plans to re-initiate Endangered Species Act consultation on the effects of Council-area fisheries on Southern Resident Killer Whales (SRKW). The Council then directed the Salmon Technical Team (STT) to examine a draft list of SRKW priority Chinook salmon prey stock and identify the stocks that are represented in models used annually in the ocean salmon fishery planning process. In response the STT created a table identifying models that include priority prey stocks, as well as the stocks with no model representation. This table (Table 1) is appended to this statement.

PFMC
03/12/19

Table 1. NMFS' draft list of priority prey Chinook stocks for SRKW aligned with PFMC Chinook stocks with model representation (Page 1 of 2).			
Priority Chinook Stock Group	Model	Model Stocks	Comment
Northern Puget Sound Fall	FRAM	Nooksack/Samish Fall	
		Skagit Summer/Fall Fingerling	
		Skagit Summer/Fall Yearling	
		Snohomish Fall Fingerling	
		Snohomish Fall Yearling	
		Stillaguamish Fall Fingerling	
		Tulalip Fall Fingerling	
		Strait of Juan de Fuca Tributaries	Includes production from the Dungeness and Elwha systems
Southern Puget Sound Fall	FRAM	Mid PS Fall Fingerling	Includes production from Lake Washington, Green/Duwamish, Puyallup, Grovers, and Gorst systems
		South Puget Sound Fall Fingerling	Includes production from Nisqually, Minter, Chambers, and Deschutes systems
		South Puget Sound Fall Yearling	Includes yearling Hatchery production from Icy Creek Hatchery
		Hood Canal Fall Fingerling	Includes production from Skokomish, Hoodsport, and other miscellaneous Hood Canal systems
		Hood Canal Fall Yearling	Includes yearling hatchery production from Hoodsport Hatchery
Lower Columbia Fall	FRAM	Columbia River Oregon Hatchery Tule	Lower River Hatchery stocks originating from Oregon
		Columbia River Washington Hatchery Tule	Lower River Hatchery stocks originating from Washington
		Lower Columbia River Wild	
		Columbia River Bonneville Pool Hatchery	
		Lower Columbia Natural Tule	
Strait of Georgia Fall	FRAM	Fraser River Late	Includes fall Chinook production from lower Fraser River tributaries
		Lower Georgia Strait	Includes fall Chinook production from Lower Georgia Strait tributaries
Upper Columbia/Snake Fall & Middle Columbia Fall	FRAM	Columbia R Upriver Bright	Includes Mid-Columbia Brights & Lower River Brights
		Snake River Fall	
Fraser Spring & Fraser Summer	FRAM	Fraser River Early	Includes Spring 1.3, Spring 1.2, Summer 0.3, and Summer1.3
Lower Columbia Spring	FRAM	Cowlitz River Spring	Includes spring Chinook production from Cowlitz, Kalama, and Lewis systems
Snake River Spring-Summer	No Model Representation	NA	
Northern Puget Sound Spring	FRAM	North Fork Nooksack Spring	
		South Fork Nooksack Spring	
		Skagit Spring	
Washington Coast Spring	No Model Representation	NA	

Table 1. NMFS' draft list of priority prey Chinook stocks for SRKW aligned with PFMC Chinook stocks with model representation (Page 2 of 2).			
Priority Chinook Stock Group	Model	Model Stocks	Comment
Washington Coast Fall	FRAM	Washington North Coast Fall Willapa Bay	Includes fall Chinook production from the Quillayute, Hoh, Queets, Quinault, and Grays Harbor systems
Central Valley Spring	No Model Representation	NA	
Middle & Upper Columbia Spring	No Model Representation	NA	
Middle & Upper Columbia Summer	FRAM	Columbia River Upriver Summer	
Central Valley Fall and Late Fall	SHM	Sacramento Fall	
Klamath River Fall	KOHM	Klamath River Fall	
Klamath River Spring	No Model Representation	NA	
Upper Willamette Spring	FRAM	Willamette River Spring	
Southern Puget Sound Spring	FRAM	White River Spring Fing White River Spring Year	
Central Valley Winter	WRHM	Central Valley Winter	
North & Central Oregon Coast Fall	FRAM	North Oregon Coast Fall Mid Oregon Coast Fall	Includes Oregon coastal fall Chinook production from the Necanicum in the north to the Siuslaw in the south Includes Oregon coastal fall Chinook production from the Umpqua in the North to the Elk in the south
West Coast Vancouver Island Fall	FRAM	West Coast Vancouver Island Fall	
Southern Oregon & Northern California Coastal Fall	No Model Representation	NA	
Southern Oregon & Northern California Coastal Spring	No Model Representation	NA	
California Coastal Fall	No Model Representation	NA	
California Coastal Spring	No Model Representation	NA	
Southeastern Alaska Spring	No Model Representation	NA	
Northern BC Spring	No Model Representation	NA	
Central BC mostly Summer	No Model Representation	NA	
			<i>Preliminary_March 12,2019_Salmon Technical Team</i>