



**Notes:**

**BLOCK #1 - Population Baseline**

- 1/ Extant TRT-delineated demographically independent Chinook salmon population indigenous to the watershed, or supplanting an extirpated indigenous population, and represented by a natural- and/or hatchery-origin component that uses the watershed as its primary spawning habitat.
- 2/ Comanager category assignments (from WDFW and PSTT 2004) reflect aspects of the extant Chinook spawning aggregation or population in the watershed including genetic integrity, historical and current use by Chinook, and stock origin.

**BLOCK #2 - Population VSP Parameter Status**

- 3/ Recent five year NOR abundance status of "Critical" (at or below critical threshold); "C-V" (between critical and viable threshold); and "C-C" (at current capacity) (from NMFS, 2004). Ratings: Category 1 stocks: "C" = 3, "C-V" = 2, "V" = 1; Category 2 stocks: "C" or "C-V" = 1, "V" = 0; Cat. 3 stocks "0".
- 4/ Hatchery Listing Policy benefit metric: "In" rated as "3" if conservation hatchery, "2" if integrated harvest augmentation hatchery; and "1" if isolated hatchery program. No associated hatchery program rated as "0". "Out" rated as "0".
- 5/ Reflects uniqueness of race within each of the 5 regions: if 1 of <3, rated "3"; if 1 of 4-5, rated "2"; if 1 of >5, rated "1".
- 6/ For watersheds with hatchery programs propagating extant TRT chinook stock from watershed, "AHA" model PNI value (from Appleby 3-22-06) used as indicator of domestication risk to diversity: =>0.5 equates to low risk (rated "3"); <0.5-0.4 equals a moderate risk (rated "2"); <0.4 or "unknown" rates a high risk (rated "1").  
No Chinook hatchery program in watershed ("NA") = "3".
- 7/ Potential diversity reduction and viability status effects of non-native hatchery fish straying into natural spawning areas are addressed as follows: % stray HOR <5% equals low risk ("3"), >5%-10% equals moderate risk ("2"), >10% equals high risk ("1") (Table A-2 from NOAA Tech. Memo NMFS-NWFSC-78).
- 8/ To address uniqueness and importance to ESU-viability of yearling life history trait, if percent "0" age emigrants is 0.75, rated "3"; if >0.75-0.85, rated "2"; if >0.86, rated 1.
- 9/ Population spatial structure value considering ESU geographical extent ("Border"); ESU connectivity value ("Connect"); stronghold standing/stock source for recolonization ("Strong."), and/or areal value of watershed regarding Chinook use within ESU ("Miles"): "Border", "Connect.", "Strong." or "Miles" rated "3"; all others rated "1".
- 10/ Assuming higher value of remnant indigenous populations, Category 1 stocks were rated as follows: if lambda <1.0, rated "3"; if >1.0, rated "2"; for Category 2 stocks: if lambda <1.0, rated "2"; if >1.0, rated "1".

**BLOCK #3 - Habitat Status and Use**

- 11/ ISAT (1999) relative expected efficiency and benefits to wild salmonid populations for protection and restoration activities in watershed, considering estarine, marine shoreline, urbanization, channel gradient, and hydrologic modification conditions (Ranking of 1 "highest value" and "10" lowest value. Ranking of 1-4 rated "3"; 5-7 rated "2"; and 8-10 rated "1").
- 12/ ISAT (1999) relative existing condition of wild salmonid ecosystem in the watershed, considering the status of water, riparian, and upland conditions, and factors affecting the conditions (Ranking of 1 "highest condition" and "16" lowest condition. Ranking of 1-6 rated "3"; 7-11 rated "2"; and 12-16 rated "1").
- 13/ Consideration of number of PS Chinook populations that may benefit from the area, given its location within migration and rearing areas. At least populations likely use the area for migration and rearing, area rated "high" value (scoring a "3"); if 3-6 populations use the area, it was rated moderate value ("2"); and if <3 populations use the area, a low value was assigned (scored "1") (Nearshore Chapter (and Appendix) of Puget Sound Chinook Recovery Plan, 2005 ).
- 14/ If watershed is designated Critical Habitat for Chinook salmon, rated "2"; if not, rated "0".
- 15/ Value of watershed and associated marine area to life cycle of population: full life cycle of an ESA-listed Chinook salmon population scored "3"; use of associated estuary or nearshore areas for seaward migration and rearing only scored "2"; use of nearshore areas for rearing only was scored "1".

\* Minter Creek Hatchery maintains a conservation hatchery program for White River spring Chinook salmon, a Category 1 stock, designated for low extinction risk management. The Green River lineage fall Chinook population is designated as more than moderately diverged and out of the ESU.