

Science, Service, Stewardship



Data Needs for Northwest Salmon and Steelhead ESA 5-year Reviews

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Columbia Basin and Coastal Ecosystems

Coordinated Assessments Workshop

September 21-22, 2011

**NOAA
FISHERIES
SERVICE**



ESA Requirements for 5-Year Reviews

Section 4 of the ESA requires Secretary NMFS to:

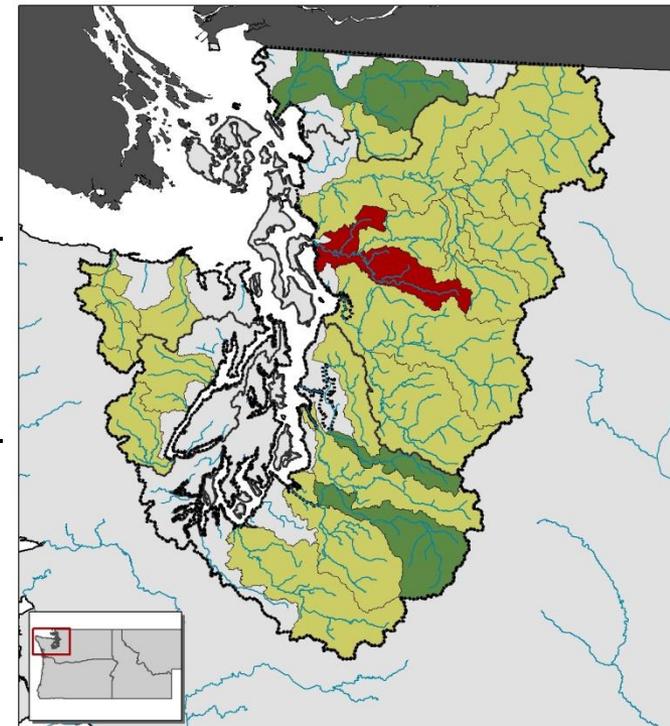
- At least once every five years, review the list of T&E species and determine based on that review whether the species should:
 - Retain its current listing status;
 - Be removed from the list;
 - Be changed from an endangered to a threatened species;
or
 - Be changed from a threatened to an endangered species.



ESA Status Review Data Needs:

PUGET SOUND CHINOOK ESA LISTING STATUS: Threatened 1999

Population	Trend category	Trend (slope of ln natural abundance)	10-year Spawning Abundance 1999-2008 black= natural, line= total	10-year Geometric Mean (Total Spawners)	10-year Geometric Mean (Natural Spawners)
Lower/North Fork/Middle Fork Nooksack	Increasing	0.18		2017	181
South Fork Nooksack River	Stable	0.00		273	156
Lower Skagit River	Stable	0.00		2319	2251
Upper Skagit River	Stable	0.06		11125	10573
Cascade River	Stable	0.05		304	298
Lower Sauk River	Stable	0.04		673	659

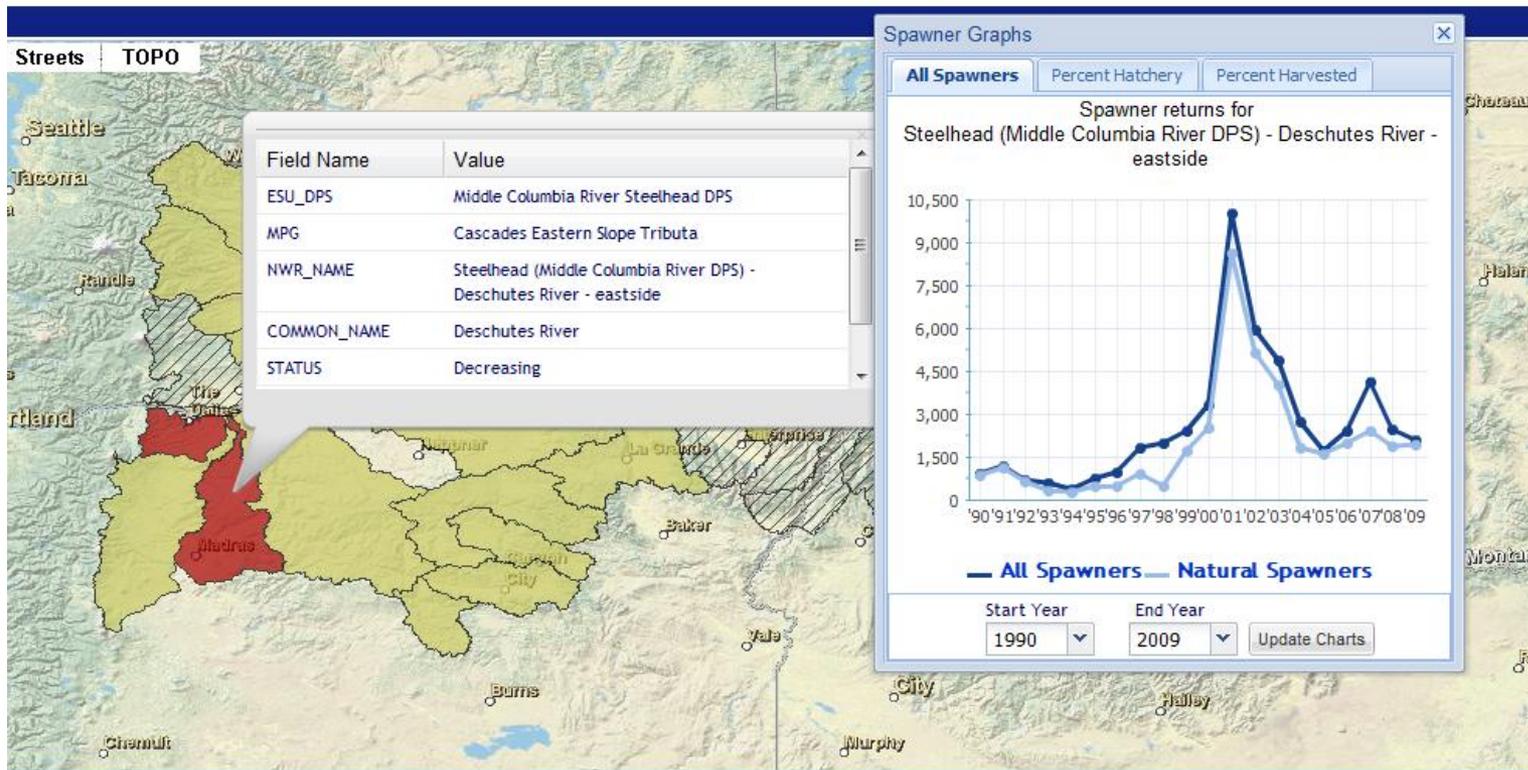




Annual Updates to SPS Database

NOAA SALMON POPULATION SUMMARY

SPS DATABASE
NOAA FISHERIES NORTHWEST FISHERIES SCIENCE CENTER





ESA Status Review Data Needs : Salmon Population Summary Database



NOAA SALMON POPULATION SUMMARY

SPS DATABASE
NOAA FISHERIES NORTHWEST FISHERIES SCIENCE CENTER

Query Builder

[Back to Map](#)

View All Years
 View Years (from/to)

From: To:

Select Attributes SPAZ format only

<input type="checkbox"/> Common Population Name	<input checked="" type="checkbox"/> NWR Population Name
<input type="checkbox"/> Recovery Domain	<input type="checkbox"/> Major Population Group
<input type="checkbox"/> ESU	<input type="checkbox"/> Species
<input type="checkbox"/> Run	<input type="checkbox"/> Stream
<input type="checkbox"/> Start Year	<input type="checkbox"/> End Year
<input type="checkbox"/> Year	<input type="checkbox"/> Spawners
<input type="checkbox"/> FracWild	<input type="checkbox"/> Effective Catch
<input type="checkbox"/> Age1	<input type="checkbox"/> Age2
<input type="checkbox"/> Age3	<input type="checkbox"/> Age4
<input type="checkbox"/> Age5	<input type="checkbox"/> Age6
<input type="checkbox"/> Age7	<input type="checkbox"/> Regime
<input type="checkbox"/> Total Spawners inc. Jacks	<input type="checkbox"/> Natural Spawners inc Jacks
<input type="checkbox"/> Natural Adult Annul Run 4-6	<input type="checkbox"/> Jack frac of hatchery spawners
<input type="checkbox"/> Adult Natural Harvest Rates	<input type="checkbox"/> Natural Origin Brood Stk
<input type="checkbox"/> Adult Brood Rtrms	<input type="checkbox"/> Sar Adj Adult Brood Rtrms
<input type="checkbox"/> Ln R/s	<input type="checkbox"/> Adjusted Ln R/s
<input type="checkbox"/> Age 1 Harvest	<input type="checkbox"/> Age 2 Harvest
<input type="checkbox"/> Age 3 Harvest	<input type="checkbox"/> Age 4 Harvest
<input type="checkbox"/> Age 5 Harvest	<input type="checkbox"/> Age 6 Harvest
<input type="checkbox"/> Age 7 Harvest	

Submit



Annual Updates to SPS Database

- Currently happening (*the old fashioned way ...*)
- TRT population estimates sometimes generated by states/tribes, sometimes generated by NOAA staff
- Given current budget outlook, streamlined sharing of data in a fully documented, common exchange template will provide economic efficiencies for NOAA *and* states/tribes



SPS Updates: What do we want?

- Annual updates of TRT indicators by states/tribes
- Maintain consistency with TRT indicators and derivation methods
- Establish process for improving upon TRT indicators, particularly as new monitoring comes on line
- Annual updates should fully document changes in derivation methods from previous years, and effort should be made to maintain integrity of time series
- Build toward data exchange network of additional metrics and raw data to support life-cycle modeling and other data needs