



Quantitative Objectives Report

Report: **Sockeye**

Document: **Okanogan Subbasin Plan**

Author: Northwest Power and Conservation Council and Partners

Document Year: **2004**

Link: <http://www.nwcouncil.org/fw/subbasinplanning/okanogan/plan/>

Sockeye

<u>Recovery Domain</u>	<u>Recovery Sub Domain</u>	<u>ESU/DPS</u>	<u>MPG</u>	<u>Population</u>	<u>Run</u>	<u>ESA Listed</u>	<u>Adult Returns</u>	<u>Cohort Replacement Rate</u>	<u>Min No Naturally Produced Spawners</u>
Interior Columbia	Upper Columbia	Upper Columbia River Sockeye	N/A	Okanogan		Not listed	58730 (1)	Greater than or equal 1 (2)	500 (2)

FOOTNOTES:

- (1) Canada objective
- (2) Eight consecutive years

Document: **Viability Criteria for Application to Interior Columbia Basin Salmonid ESUs**

Author: Interior Columbia Basin Technical Recovery Team

Document Year: **2007**

Link: http://www.nwfsc.noaa.gov/trt/trt_documents/ictrt_viability_criteria_reviewdraft_2007_complete.pdf

Sockeye

<u>Recovery Domain</u>	<u>Recovery Sub Domain</u>	<u>ESU/DPS</u>	<u>MPG</u>	<u>Population</u>	<u>Run</u>	<u>ESA Listed</u>	<u>Minimum Abundance Threshold (MAT)</u>	<u>Size Category</u>	<u>Role in Viability Scenario</u>
Interior Columbia	Snake River	Snake River Sockeye Salmon	Sawtooth Valley	Stanley Lake		Extirpated	500	Small	Reconsider as recovery efforts progress
				Yellowbelly Lake		Extirpated	500	Small	Reconsider as recovery efforts progress
				Petit Lake		Extirpated	500	Small	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake

Interior Columbia	Snake River	Snake River Sockeye Salmon	Sawtooth Valley	Alturas Lake	Extirpated	1000	Intermediate	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake
				Redfish Lake	Endangered	1000	Intermediate	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake

Document: **Proposed ESA Recovery Plan for Snake River Sockeye Salmon (*Oncorhynchus nerka*)**

Author: NOAA Fisheries

Document Year: **2014**

Link: http://www.westcoast.fisheries.noaa.gov/publications/recovery_planning/salmon_steelhead/domains/interior_columbia/snake/snake_river_sockeye_salmon_recovery_plan.pdf

Sockeye

<u>Recovery Domain</u>	<u>Recovery Sub Domain</u>	<u>ESU/DPS</u>	<u>MPG</u>	<u>Population</u>	<u>Run</u>	<u>ESA Listed</u>	<u>Threshold Abundance</u>	<u>Size Category</u>	<u>Population Growth</u>	<u>Role in Viability Scenario</u>
Interior Columbia	Snake River	Snake River Sockeye Salmon	Sawtooth Valley	Stanley Lake		Extirpated	500	Small	NA	Reconsider as recovery efforts progress
				Yellowbelly Lake		Extirpated	500	Small	NA	Reconsider as recovery efforts progress
				Petit Lake		Extirpated	500	Small	NA	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake
				Alturas Lake		Extirpated	1000	Intermediate	NA	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake
				Redfish Lake		Endangered	1000	Intermediate	Stable or Increasing	2 highly Viable and 1 Viable - Redfish Lake, Alturas Lake, Pettit Lake

NOTES:
 Threshold Abundance: 10-year geometric mean of estimated natural-origin spawners

Document: **Salmon Subbasin Management Plan**

Author: Northwest Power and Conservation Council and Partners

Document Year: **2014**

Link: http://www.nwcouncil.org/media/119926/Salmon_Subbasin_Management_Plan.pdf

Sockeye

<u>Recovery Domain</u>	<u>Recovery Sub Domain</u>	<u>ESU/DPS</u>	<u>MPG</u>	<u>Population</u>	<u>Run</u>	<u>ESA Listed</u>	<u>Long-Term Return</u>	<u>Natural Spawning Component</u>
Interior Columbia	Snake River	Snake River Sockeye Salmon	Sawtooth Valley	NA		Endangered	8000-44500	2000

Document: **Nez Perce Tribe Department of Fisheries Resources Management Management Plan 2013-2018**

Author: Nez Perce Tribe

Document Year: **2013**

Link: <http://www.nptfisheries.org/portals/0/images/dfm/home/fisheries-management-plan-final-sm.pdf>

Sockeye

<u>Recovery Domain</u>	<u>Recovery Sub Domain</u>	<u>ESU/DPS</u>	<u>MPG</u>	<u>Population</u>	<u>Run</u>	<u>ESA Listed</u>	<u>Escapement Goals</u>
Interior Columbia	Snake River	NA	Grande Ronde-Imnaha	Grande Ronde		Endangered	3500 (1)
Interior Columbia	Snake River	Snake River Sockeye Salmon	Sawtooth Valley	Salmon		Endangered	8000-44500 (1)

FOOTNOTES:

(1) Summary of escapement goals from NPCC subbain plans presented in the NPT 2013 Management Plan
