

PUGET SOUND

National Estuary Program

Stillaguamish Watershed Multi-Benefit Actions and Adaptive Planning

Strategic implementation of salmon recovery requires the integration of complex and competing floodplain uses - salmon recovery, flooding hazards, and agricultural/infrastructure preservation. The creation of good habitat projects relies on having current technical information to support decision-making.

What we're doing

This project will use a salmon life cycle model (LCM) developed by NOAA (Beechie et al. 2020) to improve our understanding of current habitat conditions limiting survival of Chinook salmon, Coho salmon, and Steelhead. We will then develop conceptual restoration actions and be able to model potential habitat benefits from those actions.

How we're doing it

We're using watershed and habitat data collected over the last 10 years in an LCM to evaluate conditions that currently affect salmon survival. Updated information includes:

- National Hydrographic Data (NHD)
- Newer stream temperature data/models
- Recent climate change assumptions
- Stream flow analyses
- New floodplain and habitat evaluation/metrics



RESTORED MAINSTEM STILLAGUAMISH RIVER SIDE CHANNEL at NORTH MEANDER



NATURAL NORTH FORK STILLAGUAMISH SIDE CHANNEL

WHY IS THIS ISSUE IMPORTANT?

Salmon recovery needs to be updated with best available data and methods to facilitate a common understanding of technical information, particularly for Steelhead. This effort will support strategic development of restoration actions by project type and geographic area (river reach).

WHAT YOU CAN DO

Provide project review and feedback! How do you think results should be turned into action? Learn more about Stillaguamish salmon recovery [here!](#)

SNOHOMISH COUNTY – About Us

Snohomish County Public Works Surface Water Management (SWM) is a stormwater utility that provides essential services related to management of stormwater and surface water. We annually assess miles of rivers and streams for water quality and habitat and we do projects to preserve and improve the health of surface waters.



MORE INFORMATION

[Surface Water Management](#)

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