

FLOODPLAIN MANAGEMENT IN THE LOWER SNOHOMISH: CHALLENGES AND OPPORTUNITIES

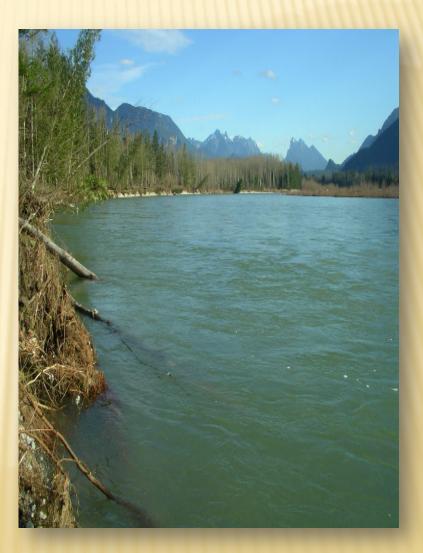
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PRESENTATION:

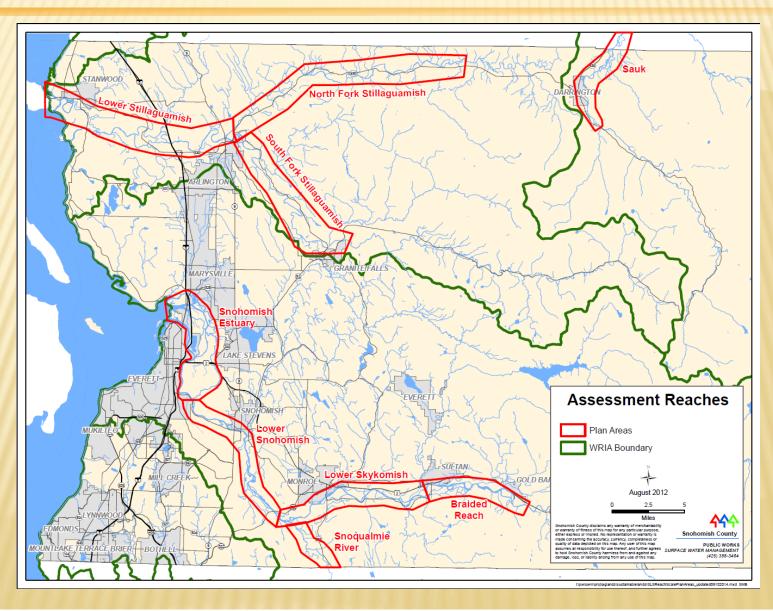
Floodplain Management
Issues in the Lower
Snohomish River

 Pathway to Consensus: Long-term investment in people—Sustainable Lands Strategy (SLS)

Lessons Being Learned



WHERE IS THE LOWER SNOHOMISH RIVER?



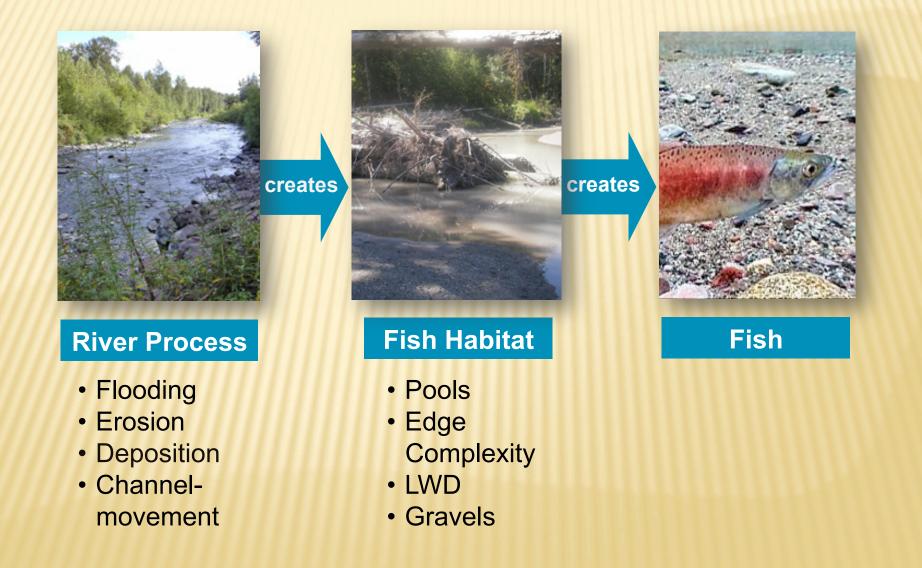
ISSUES IN THE LOWER SNOHOMISH RIVER

- Critical basin for salmon recovery
 - River process restoration for juvenile salmonid habitat
- High value agriculture at risk
 - Land subsidence = water quality drainage & productivity
 - Aging infrastructure and demographics
 - Increasingly complex regulatory requirements
- Understanding and acceptance of changing hydrology
 - Implications affect infrastructure, floodplain mgmt.

PATHWAY TO CONSENSUS: SLS

- Start with common information base
 - Reach scale quantitative assessments
 - Look for creative ways to solve challenging problems
- Make a long-term investment in people
 - Connect regularly with stakeholders
 - Reframe the issues for common understanding
 - Develop packages to support net gain

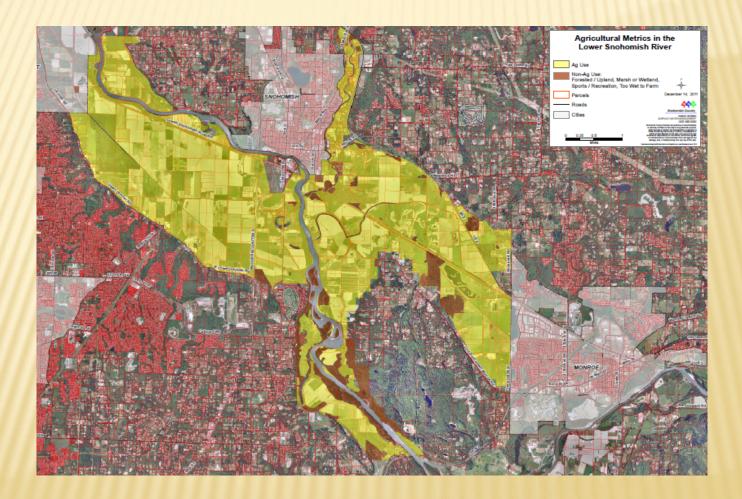
SIMPLIFIED RIVER PROCESS SCHEMATIC



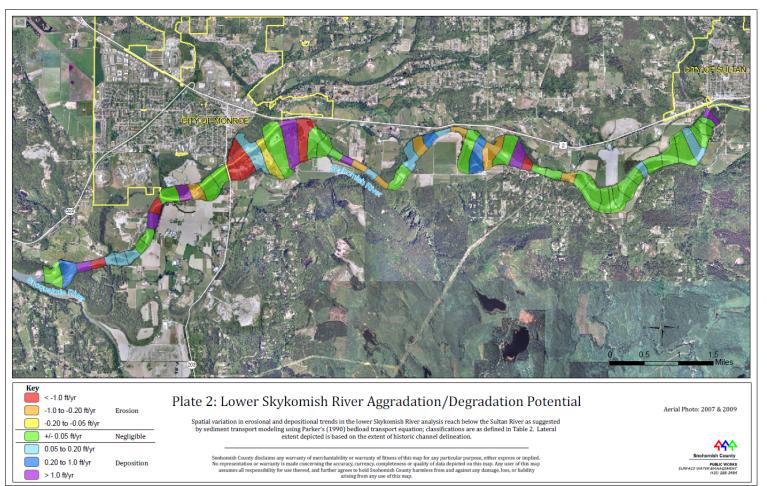
GENERAL ASSESSMENT GOALS/APPROACH

- Identify risk/suitability of different floodplain management activities, e.g.:
 - Channel (re)connections
 - Increase complexity
 - Large wood or rock structures
 - Process sediment
 - Infrastructure replacement
 - Allow for channel migration

COMMON INFORMATION BASE: REACH MGMT.



LOWER SKY BEDLOAD



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LONG-TERM INVESTMENT IN PEOPLE

SLS' Triple Bottom Line:

 Net gain fish restoration, water / environmental quality interests

 Protect, enhance agriculture, drainage, and flood control

Respect tribal treaty rights and culture



WHAT IS "NET GAIN?"

Defining Net Gain for Agriculture:

- Improve agricultural productivity
- Farmland protection
- Streamlined permitting & funding
- Infrastructure support
- Defining Net Gain for Environment/Tribes:
 - Salmon recovery, habitat progress
 - Improvements in water quality
 - Broad based community support for actions
 - Recognize changing watershed dynamics (climate, sea rise)



LESSONS BEING LEARNED

- Reach scale provides context for multiple issues
- Quantitative assessments allow for creative problem-solving
- Behind every concern is a value
- Reframe issues to promote understanding
- Common values = common goals
- Trust and good relationships required



QUESTIONS AND COMMENTS?

