

Western Washington University Western CEDAR

Salish Sea Ecosystem Conference

2014 Salish Sea Ecosystem Conference (Seattle, Wash.)

May 1st, 8:30 AM - 10:00 AM

Floodplains by Design: Accelerating integrated floodplain management across Puget Sound

Bob Carey Nature Conservancy (U.S.), bcarey@tnc.org

David S. (David Stephen) St. John *Puget Sound Partnership*

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Floodplains by Design: Accelerating integrated floodplain management

Bob Carey, The Nature Conservancy



Themes

- Why a multiple benefit approach to floodplains?
- What are the most significant barriers and how are you overcoming them?

455

What results have been attained?

Floodplains by Design PARTNERSHIP





Project Advisory Team Federal Emergency Management Agency King County Master Builders National Oceanic and Atmospheric Administration **Pierce County Skokomish Tribe** Snohomish County Snohomish County Sustainable Lands Strategy Tulalip Tribes United States Army Corps of Engineers **United States Environmental Protection Agency United States Geological Survey** Washington Military Department Emergency **Management Division** Washington State Dairy Federation Washington Department of Fish and Wildlife



Project Proponents City of Orting City of Stanwood **Clallam Conservation District** Jamestown S'klallam Tribe King County **Mason County Conservation District** North Olympic Lead Entity for Salmon **Pierce County Skokomish Tribe Snohomish Conservation District** Snohomish County Dike District 7 Snohomish County Surface Water Management Stillaguamish Tribe Washington Department of Fish and Wildlife Whatcom County Flood Control Zone District





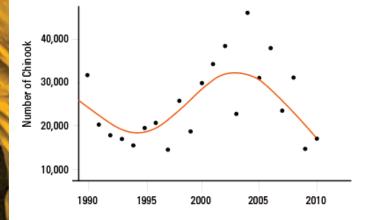


Figure 1. Number of natural-origin Chinook spawners observed in Puget Sound watersheds for 22 populations. Shown are total numbers of natural-origin spawners observed each year (points) and a fitted line derived from locally weighted scatterplot smoothing. *Source: NWFSC Salmon Population Summary database*

Well, maiam, you can't drive around in 1st gear. You have to shift your paradigm sometimes.

Stillaguamish Annual Peak Flows

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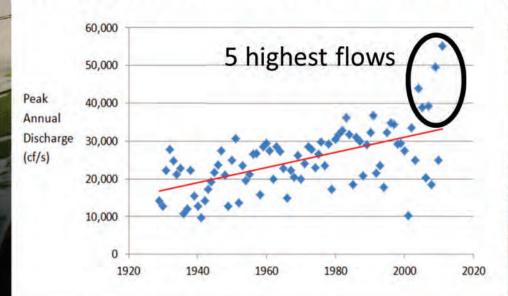


Photo: King County

Goals

Dramatically accelerate the rate of floodplain restoration in support of the Puget Sound floodplain recovery target and to improve salmon productivity.

Significantly reduce flood risks to floodplain farms and communities through the restoration of natural processes and upgrading of critical infrastructure.

Challenges

- Complex and time-consuming
- Capital funding
- Stovepiped programs
- Lack of political support



FbD Priorities

- Support the development of integrated floodplain visions and project plans
- Enhance funding opportunities
- Align agency program and policies
- Build political support



Local Integration / Project Development

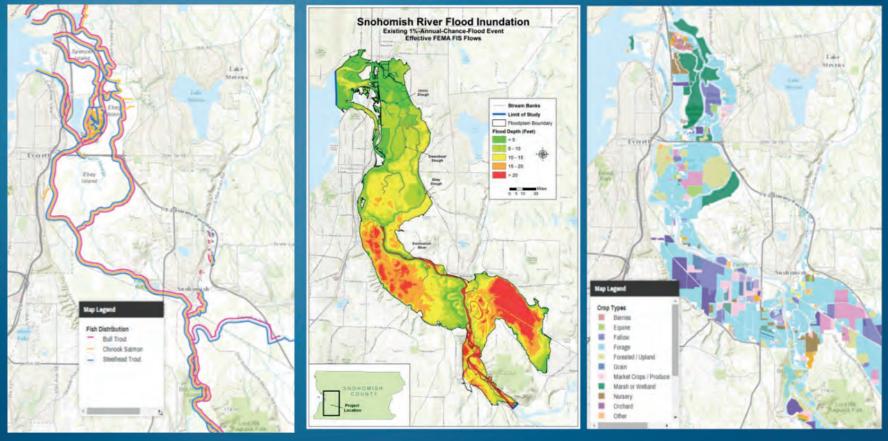
Decision Support Tool

Catalyze Conversations • Assess Risk • Identify Solutions

Fish



Farm



Funding



Align programs

- Coordinated Investment Plan
- Permit team





May 2013 - After

July 1990 - Before

Political Support



With Funding Support from:

Washington Department of Ecology, U.S. Environmental Protection Agency, Puget Sound Partnership, Boeing Company, Russell Family Foundation

Floodplains by Design REDUCING RISK, RESTORING RIVERS