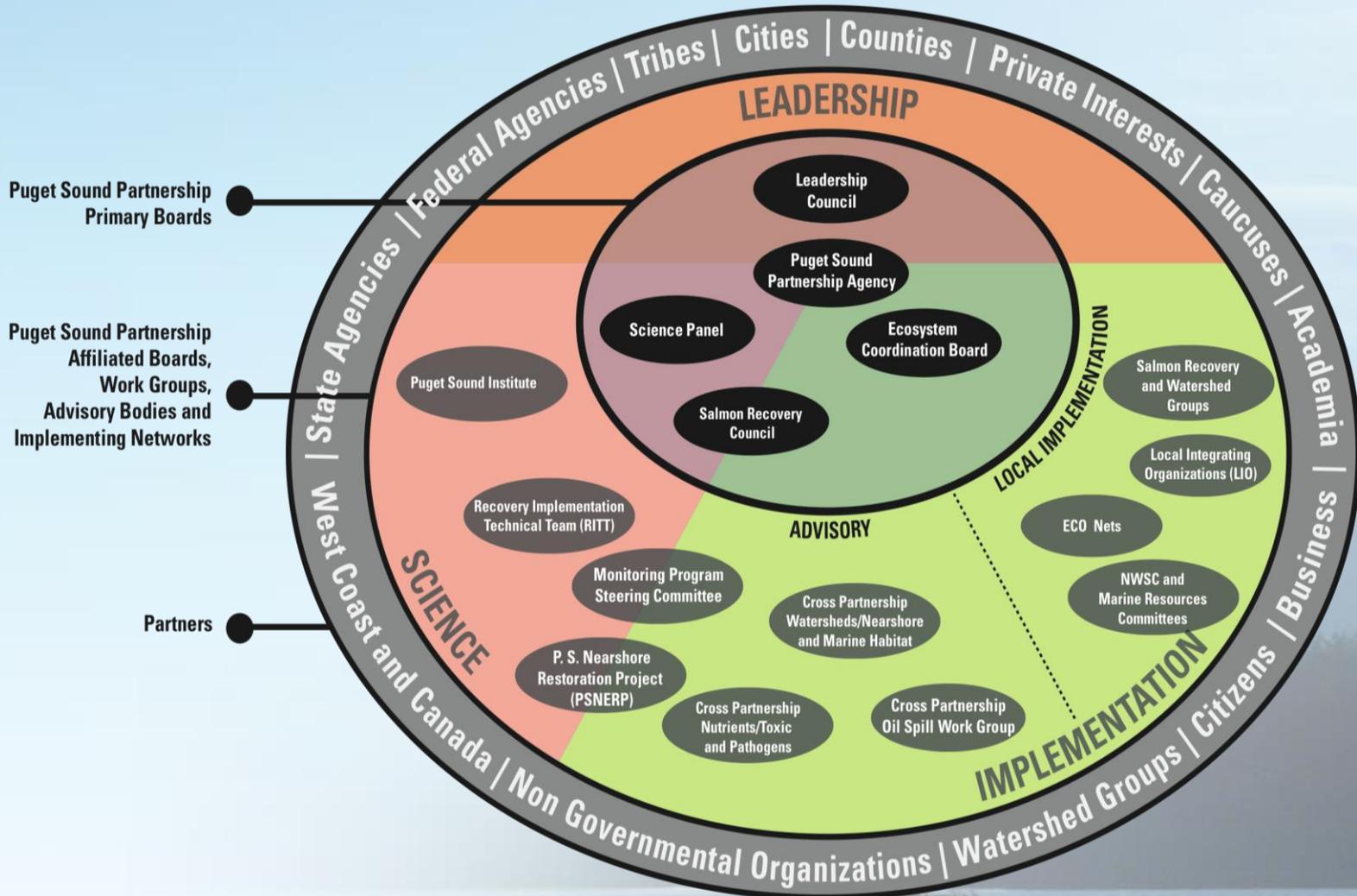


Using B-IBI to Set Restoration Targets for Puget Sound Watersheds

Leska Fore, PSP & Jo Wilhelm, King County

- Puget Sound Partnership leads restoration using science-based regional priorities
- Lots of people involved, lots of process
- How do we get started restoring streams?

The 'Partnership'



Puget Sound Action Agenda

- Decisions based on sound science
- Action
- Accountability
- Building partners' and the public's capacity to contribute



The 2012/2013 Action Agenda for Puget Sound

The Puget Sound Action Agenda is the plan for cleaning up, restoring, and protecting Puget Sound by 2020

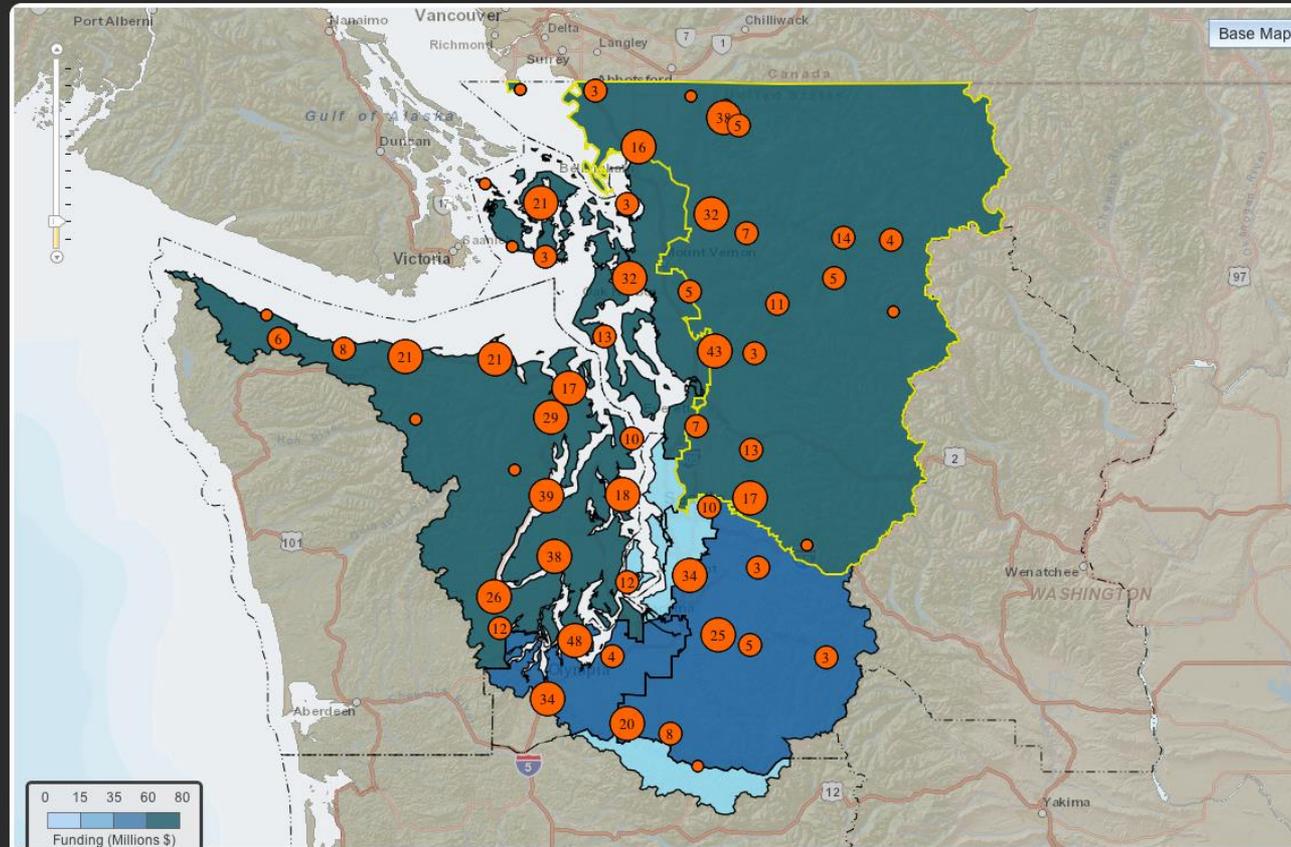
August 28, 2012

VIEW LIVE: <http://1.usa.gov/RF8gEv>

Puget Sound Project Atlas



PugetSoundPartnership
our sound, our community, our chance



Base Map

Summary

Congressional District 01

Print

Project Filters

Vital Signs

None Selected.

Fiscal Year

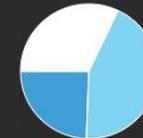
None Selected.

Status

None Selected.

171 projects

\$82,178,000 total



Federal \$26,331,000
State \$35,711,000
Local Match \$20,052,000

TOP PROJECTS

Lower Tolt River Floodplain Reconnection 08
2008 NWIFC - Hatchery Reform & Genetics Program
Lily Point North Acquisition

- Statewide/Unmapped Projects
- About the Project Atlas
- Reports - Under Construction

SUMMARY MAP: Congressional District

Feedback: vitalsigns@psp.wa.gov

VIEW LIVE: <http://1.usa.gov/THVG6u>



Puget Sound Vital Signs

Puget Sound Vital Signs Wheel | Puget Sound Project Atlas

Choose a Vital Sign

Shellfish Beds Reopened

About 36,000 acres of shellfish beds - approximately 19% - are closed due to pollution sources

Mayor Champion: Scott Berbel, Washington State Department of Health

Photo Credit: Taylor Shellfish Farms

Target Data

10,800 more acres of harvestable shellfish beds

For shellfish beds to have a net increase of 10,800 acres of harvestable shellfish beds, of which 6,000 acres must be from beds presently classified as prohibited. Achieving this goal will allow more recreational shellfish harvesting opportunities. In addition, it will document improved marine shoreline conditions in Puget Sound.

Upgraded and Downgraded Shellfish Beds in Puget Sound

Year	Upgraded (Acres)	Downgraded (Acres)	Net Gain (Acres)
2002	320	0	320
2003	1365	0	1365
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	4691	0	4691
2011	0	1338	-1338
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	10,800 (Target)

Net Gain = 10,800 total net acres upgraded between 2007 and 2020

Sanibel Bay shellfish bed downgrade of 6000+ acres

Information about the graph

The graph above, the green and red bars represent the annual upgraded and downgraded acres, respectively, while the black line represents the net increase in harvestable acres of commercial and recreational shellfish beds in Puget Sound toward the 2020 goal of 10,800. Net increase is the upgraded acres in existing shellfish growing areas (or the restoration of unclassified acreage) to allow harvest, minus any downgrades in classification that prevent harvest. Downgrades of the shellfish beds are generally caused by fecal bacteria or other pollutants in the water that makes the shellfish unsafe to eat.

- Importance to Puget Sound Recovery
- What You Can Do
- What Our Partners Are Doing
- Links For More Information

VIEW LIVE: <http://1.usa.gov/VK0iWH>

Puget Sound Action Agenda Report Card



- Summary
- Detail
- Links
- Help/About

Summary Report Card

Print

Action Filters (Remove All)

Owner

None selected.

Vital Sign

1 selected. [\(Remove\)](#)

Funding Status

None selected.

Performance Status

None selected.

Corrective Action

None selected.

Recovery Strategy

None selected.

Strategy

None selected.

Sub-Strategy

None selected.

Action Search

None selected.

Performance Status (null)



Corrective Action



Summary of Cost Estimate: \$64,129,311

Summary of Budgeted Amount: \$45,646,344

Performance Status						Corrective Action	Action ID	Action Title	Owner	
2012	2013			2014						
3	4	1	2	3	4	1	2			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		B1.1.1	Integrated Nearshore Priorities	Puget Sound Partnership
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.1.2	Human Use Patterns in Marine Areas	Department of Ecology
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.1.WS3	West Sound Eelgrass and Forage Fish Surveys	West Sound Watersheds Council
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		B1.2.1	Update Local Shoreline Master Program (SIHB)	Department of Ecology				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.2.STRT4	Straits Shoreline Master Programs	Strait of Juan de Fuca Ecosystem Recovery Network
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.2.WS2	West Sound SMP Update Alternatives to Shoreline Armoring	West Sound Watersheds Council
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.3.1	HPA Capacity Effectiveness	Department of Fish and Wildlife
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		B1.3.2	Hydraulic Code Rules Revision (SIHB)	Department of Fish and Wildlife				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		B1.3.SJ17	SJI Technical Assistance	San Juan County

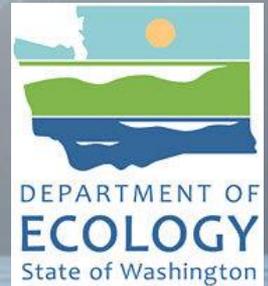


King County

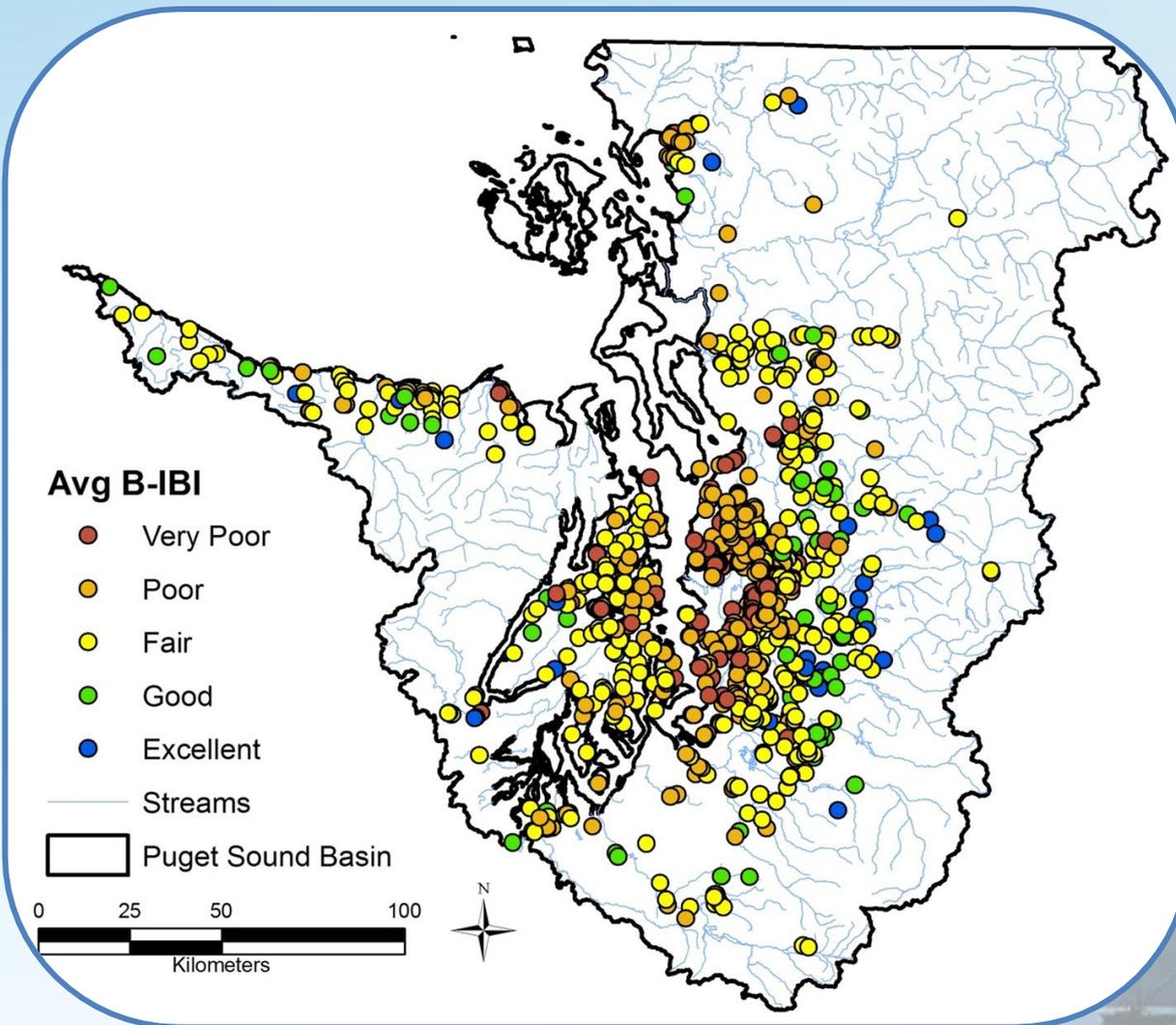
PugetSoundPartnership
LEADING PUGET SOUND RECOVERY

Puget Sound Ecosystem Restoration and Protection

- September 2013 - June 2015
- Addresses two PSP Near Term Actions
 - Manage urban runoff
 - Map, prioritize, and restore degraded streams
- Develop strategies and cost estimates:
 - Preserve drainages with "excellent" B-IBI
 - Restore 30 drainages from "fair" to "good" B-IBI



Identifying Potential Watersheds



- **Excellent (≥ 42)**
 - once: 115
 - avg: 30
- **Fair (28-36)**
 - once: 609
 - avg: 429

Restoration Decision Framework

- How do we choose which streams/basins to restore from "fair" to "good" B-IBI?
 - Find sites that have improved over time
 - Literature review: Restoration effectiveness
 - ID candidate criteria for watershed selection
- How would you do this?
- What are your ideas?
 - Workshop in early 2014

