

Innovative Financing for Watershed Conservation working collaboratively across sectors and landscapes

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Why Partner?

The Forest Service Mission...

to sustain the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of present and future generations

...requires a collaborative approach

The Challenges are Complex...

climate change, population growth, shrinking
habitats, increasing demand for access and
development pressure

...we must work together to address them









Working With States to Achieve All-Lands Conservation

"A sustainable forest land base requires relief from development pressures, an intact industry infrastructure, and conservation incentives and markets that value working forests' ecosystem services."

~ Washington State Forest Action Plan

Forests are Critical to Communities, Governments and the Private Sector

Socially
Ecologically
Economically



We all have a stake in forest stewardship

Making the Economic Case for Restoration broadening the tent

U.S. requires \$1 trillion in investments for water infrastructure over the next 25 years

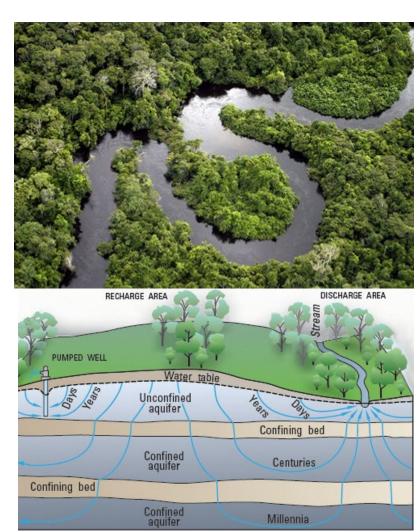


[~] American Water Works Association

Making the Economic Case for Restoration broadening the tent

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At the core of conservation finance is the underlying belief that it is possible to align environmental, social and economic returns: the so-called triple bottom line



Leveraging Conservation Finance Opportunities



From 2004 to 2015, the private sector channeled \$8.2 billion into investments seeking measurable environmental benefits in addition to financial return

Aligning Finance with Forest Service Goals

Priorities and risk assessments

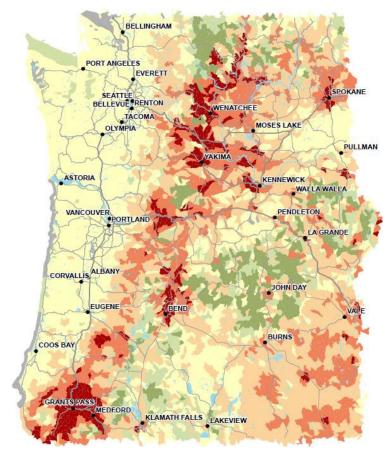
Coordination with states

High value resources and assets

Engaged leadership

Committed partners

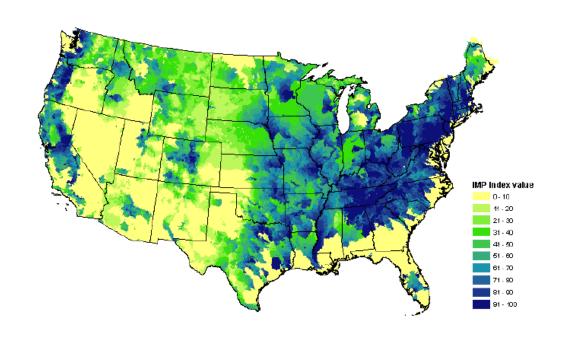
Measurable results



PNW Quantitative Wildfire Risk Assessment, Stratton et al. 2018

Driver	Example	Potential Partner
Mission or Outcome	Desired ecological, social or economic result (e.g. habitat restoration)	Public Philanthropic NGO
Corporate Social Responsibility	Business approach that delivers social and environmental benefits	Private
Avoided Cost	Mitigate expected future expenditure (e.g. infrastructure loss due to wildfire)	Municipality Utility Private Sector
Resource Reliance	Sustain a critical input (e.g. water for a beverage company or a recreation opportunity)	Private
Environmental Markets	Meet regulatory requirements (e.g. mitigation of wetland or habitat impacts)	Public Private

Forest Contributions to Water Supplies building metrics / assessing outcomes

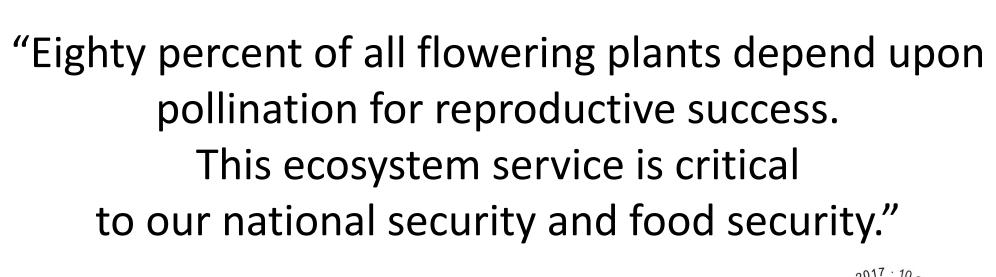


Forests to Faucets Project

Assessing Drinking Water Importance and Threats

Use **geospatial tools** to quantify benefits delivered to the public

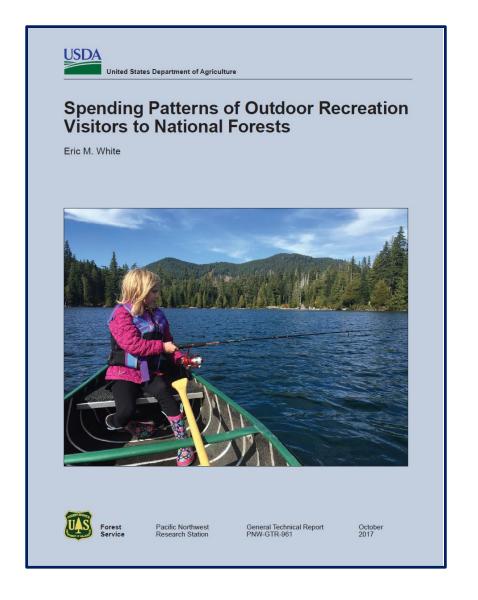
Characterize threats to justify and target restoration actions



Chief Tom Tidwell
National Pollinator Week Proclamation
June 12, 2017



Economic Benefits of Recreation



National Forest visitors in the Pacific Northwest spend approximately \$738 million annually in nearby communities.

This supports approximately **6,000** year-long jobs and contributes **\$210** million in labor income for local businesses and employees.

Economic Benefits of Recreation

Recreation produces more jobs and contributes more to GDP than anything else the National Forest System does.



One dollar invested in Forest Service recreation programs becomes a \$33 contribution to GDP.

USFS Sustainable Recreation Strategy

Nature and Public Health

- ✓ Reduces stress and anxiety
- ✓ Increases attention capacity and creativity
- ✓ Enhances ability to connect with others







Watershed-Based Collaboration Eugene Water and Electric Board Partnership with the Willamette National Forest

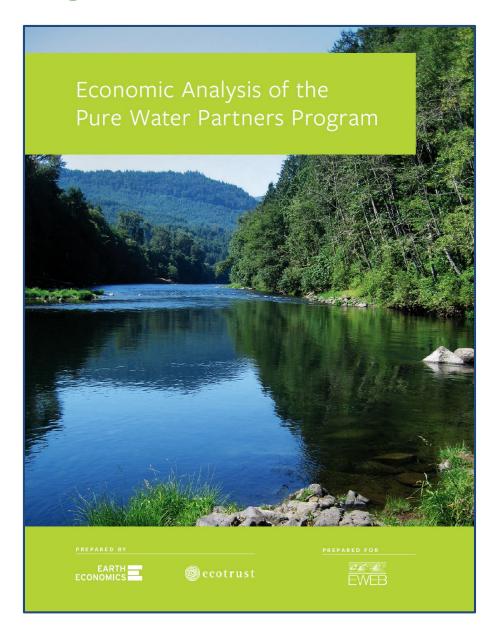
payments to private landowners to maintain high quality riparian areas

partnerships with NGOs to fund restoration of degraded areas

collaboration with the Willamette
National Forest to manage headwaters
through stewardship contracting



Making the Case



On average, each acre of healthy riparian forest protected through the program results in an \$438 economic benefit per year, with a 260% return on investment over 20 years





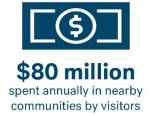




Mt. Baker-Snoqualmie National Forest: An economic powerhouse

One of the country's most visited forests provides sustainable economic activity and natural benefits we tend to take for granted.





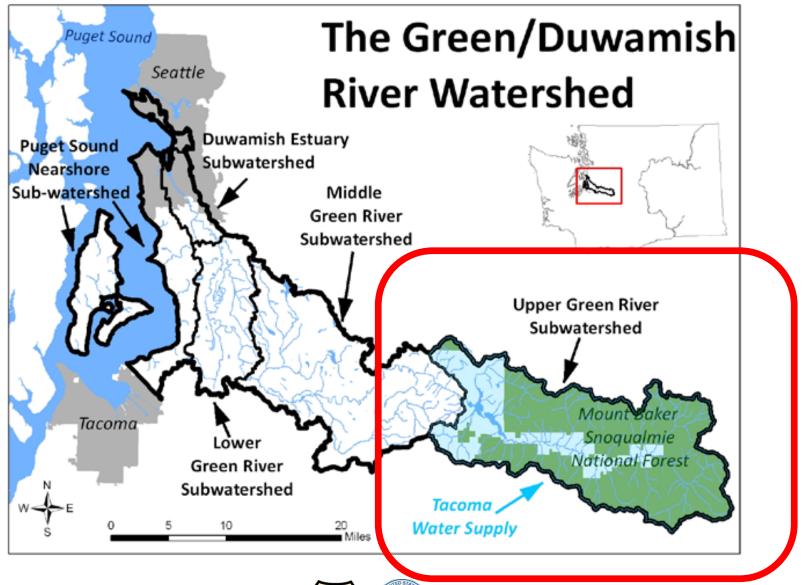


the next 100 years





Federal Cost Share: Urban Waters Federal Partnership









Stewardship and Community Cohesion

Duwamish Valley Youth Corps

Building knowledge and personal connections with the land





photos courtesy of Tracy Stanton

Innovative Partnerships Across the Urban to Rural Gradient



Green Infrastructure for Stormwater Management

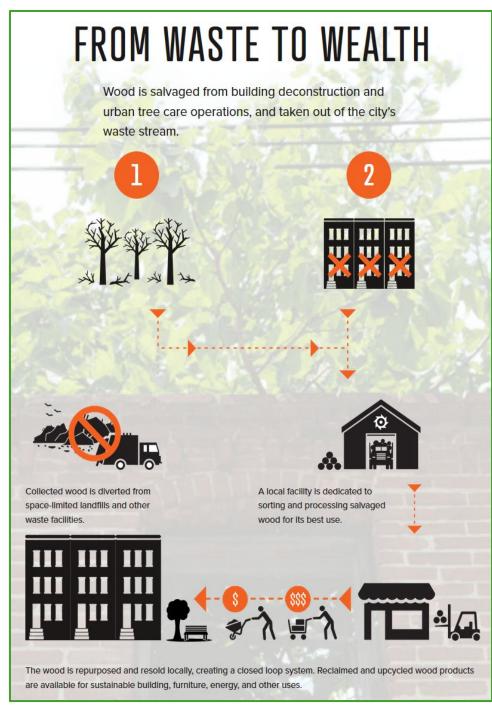


















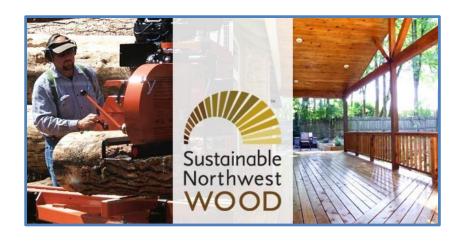


Transformational Change Through Urban Wood Economies

- Lives & livelihoods
- Jobs, businesses, markets
- Environmental outcomes
- Social cohesion & wellbeing



Support for Innovative Forest Products and Restoration Economies











Tillamook-Nestucca Salmon SuperHwy Project

Talking points, facts and figures

www.salmonsuperhwy.org

Combining Fish Conservation with Economic Development

- 95% of habitat accessible for 6 fish species
- 400 local jobs created
- \$53 million contributed to the local economy in direct and indirect benefits
- \$34 million direct investment in Tillamook County's river and road infrastructure over 10 years







Applying Ecosystem Services to Watershed Investments

