

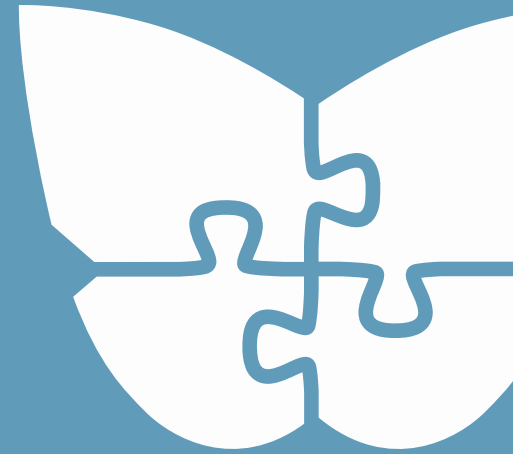
Side Effects May
Include: Cost
Savings,
Collaboration,
Resilience

3 Stories of
Integrated Water
Management

Carrie Sanneman



WILLAMETTE PARTNERSHIP



LAYING THE GROUNDWORK FOR MORE
EFFECTIVE CONSERVATION.

Nature is our original infrastructure

- Improved water quality
- Habitat for native species
- Resilient natural systems
- Resilient communities

Getting There

Clean water investments using a watershed approach & natural infrastructure



Critical Components

- **DRIVER:** A reason to do something. Usually regulatory requirements.
- **CULTURE & CHAMPIONS:** A reason to do something different.
- **CLEAR PATH:** How to do it. Science, policy, decision support.
- **COLLECTIVE WILL:** Coalitions of support.



1

Connecting
Stormwater
& Floodplain
Management

2

Water
Workforce
Needs
Assessment

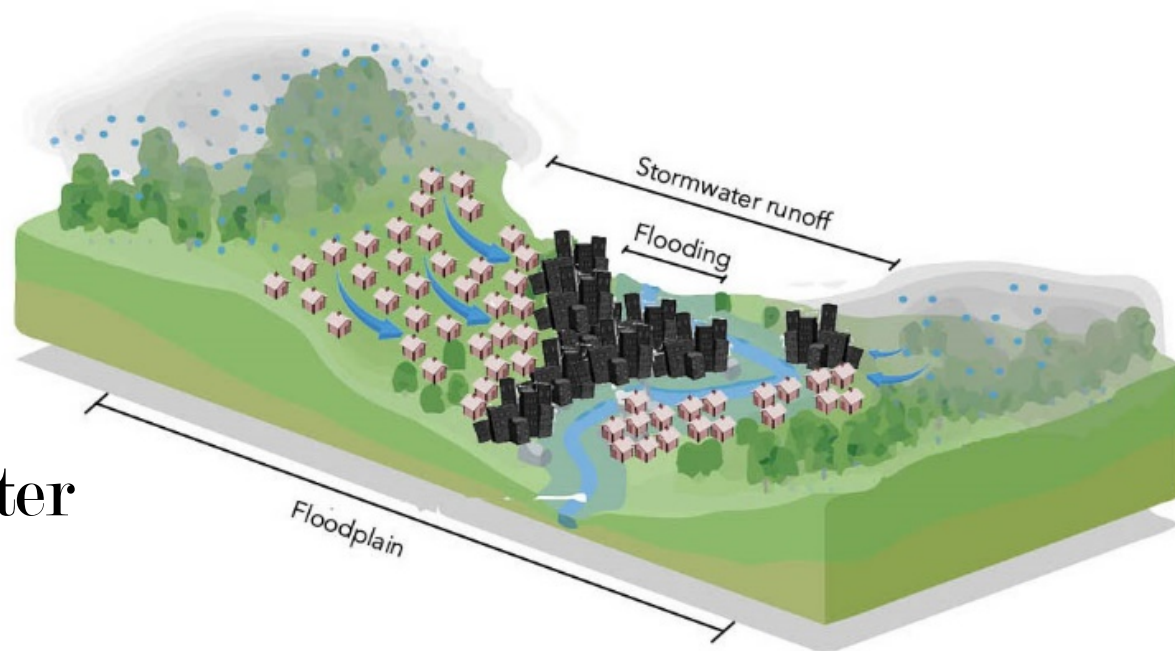


3

Technical
Assistance for
Integrated
Infrastructure

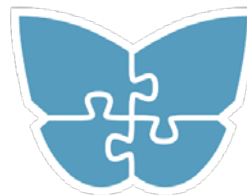
Bridging the Divide:

Connecting Stormwater and Floodplain Management in Oregon



Therese Walch
Nitin Joshi
Glenn Davis
Carrie Sanneman
Nicole Maness

City of Eugene/ACWA
City of Salem/ACWA
City of Salem
Willamette Partnership
Willamette Partnership

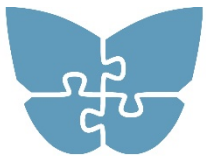


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PARTNERSHIP**



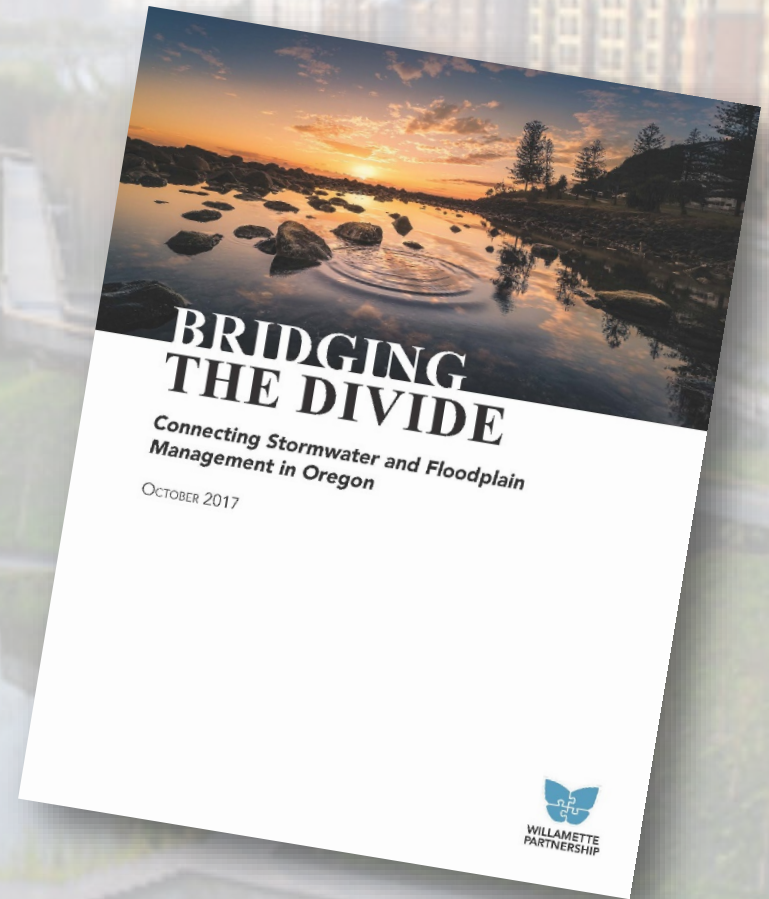
Methods: Interviews & Workshop

- 1) What are the goals and drivers of your program? How is the program implemented to achieve those goals? What are some of the opportunities and/or challenges to improving the effectiveness of the program?
- 2) Do floodplain and stormwater management currently intersect in your community?
- 3) What helps and hinders your ability to coordinate and intersect these programs?



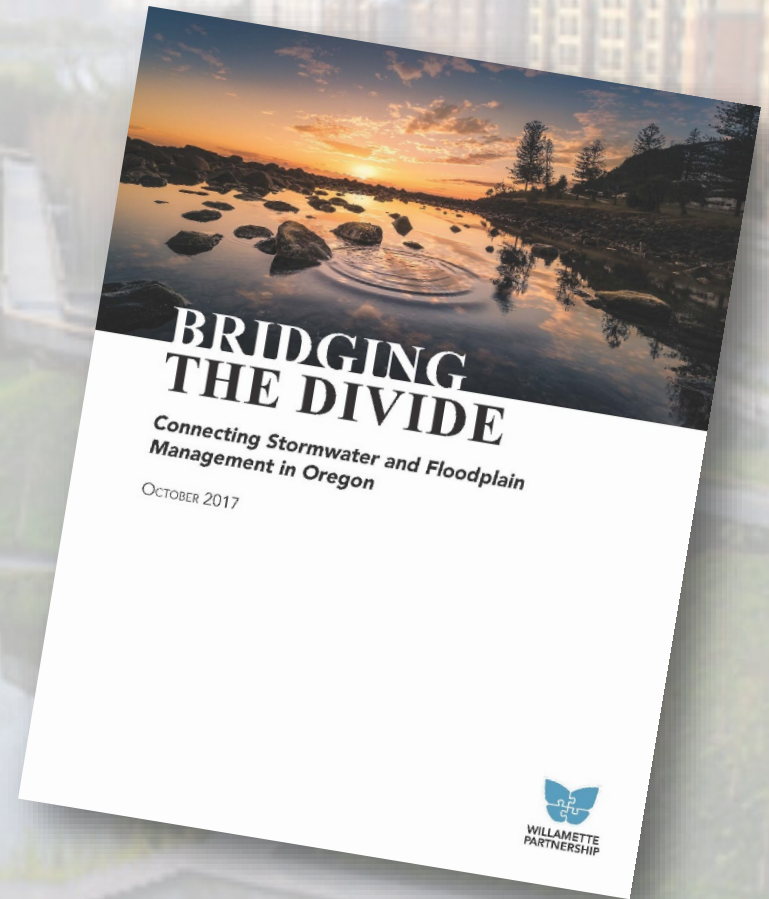
Challenges

- Silos!
- How can BMPs do double duty?
- Regulatory requirements cover two ends of the wet weather spectrum
- Floodplains are prime real estate



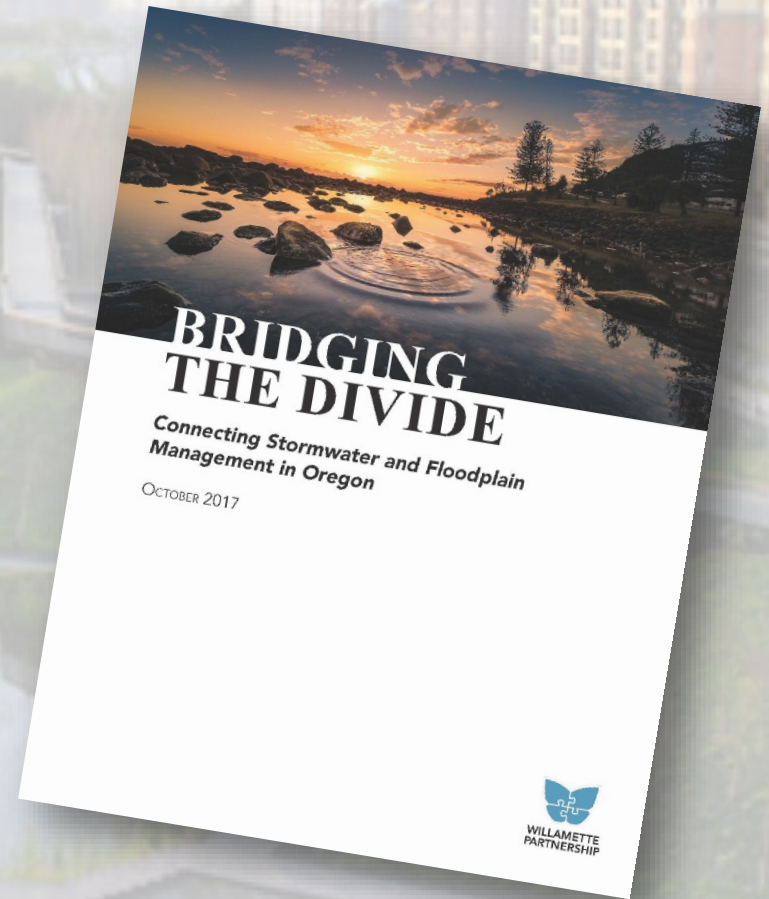
Opportunities – Long Term

- Culture
- Leadership
- Navigating politics
- Sharing technical information
- Prioritize outreach and communication
- Develop good policy



Opportunities – Short Term

- Join the Clean Rivers Coalition
- Take your floodplain manager to lunch
- Disseminate Bridging the Divide



cleanriverscoalition.wordpress.com



2 Water Workforce Needs Assessment



3 Technical Assistance for Integrated Infrastructure

Water Workforce Needs Assessment



**WILLAMETTE
PARTNERSHIP**



the evergreen
state college

**Center for Sustainable
Infrastructure**



Portland State
UNIVERSITY

The Infra-NEXT team will be conducting a workforce needs assessment that utilities, colleges, and job training programs can use to ensure utilities have a reliable, qualified workforce for sustainable design, construction, maintenance, and leadership jobs of tomorrow.

Water = Jobs



Water jobs are good jobs



“When people ask me how **many jobs** we support. I say all of them. And how **many** lives do we support? All of them.” George Hawkins, DC Water

Image courtesy of Clean Water Services

Water Workforce Needs Assessment



**WILLAMETTE
PARTNERSHIP**



the evergreen
state college

**Center for Sustainable
Infrastructure**



Portland State
UNIVERSITY

- 1) Understand the workforce barriers that utilities already face and those that are on the horizon
- 2) Recommend solutions that take into account facility size, location, and other drivers
- 3) Tell the Northwest story in a structured, solutions-oriented way

Water Workforce Needs Assessment

Current

- Scoping
- Research design

April-
October

- Beta testing
- Data gathering
- Data analysis & preliminary results

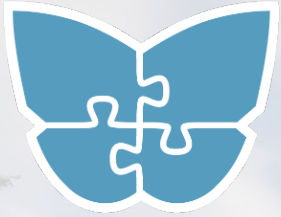
2019

- Outreach
- Develop recommendations
- More outreach



3

Technical Assistance for Integrated Infrastructure



Integrated Water Infrastructure in the Emerald Corridor

Phase	Services
Innovation	<ul style="list-style-type: none">• Capacity assistance - regulatory, scientific, and process• Assess watershed priorities, partnerships, opportunities
Application	<ul style="list-style-type: none">• Program development: Prioritize, connect actions to outcomes, incentives• Program evaluation
Transfer & Scaling	<ul style="list-style-type: none">• Templates, guidelines, and decision-support• Tell your story!• Institutionalize opportunities for natural infrastructure

Integrated Infrastructure in Distressed Communities



Infra-NEXT team can provide assistance in distressed communities*

*unemployment 1% > national average *OR* per capita median income is 80% of national average at city, county, or census tract level.

Services:

- Visioning, brainstorming, early options evaluation
- Value planning
- Convene thought leaders
- Decision support tools and visualization

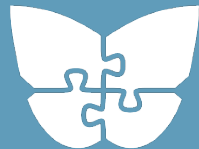
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Thank you!
Questions?



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