

**Support Briefing for Presentations
Going Before the Puget Sound Partnership
Science Panel**

**REPORT ON FLOODPLAIN STATE OF THE SCIENCE PANEL
June 13, 2013**

Prepared by: Kari Stiles

Presented by: David St. John and Kari Stiles

Objective of the Presentation: *Obtain Science Panel direction on how to advance science policy dialogue on floodplains and acknowledge floodplain science issues to consider in the 2014-16 Biennial Science Workplan update*

Summary of Topic: This is the second in a series of State of the Science Panels scheduled for 2013 and 2014 (See attached agenda). The first was the panel on the Ocean Health Index presented in April. Upcoming panels include: Marine Survival, Forage Fish, Ocean Acidification, Social Science, Climate Change, Stormwater, and Shoreline Armoring.

Indicate Peer Review Status:

- Peer Reviewed
- Not-Peer Reviewed
- In Preliminary Review
- Requesting Review

Relevance to Puget Sound Science:

Work from these panel discussions and write up will be used in the BSWP and Strategic Science Plan revisions. Results may also be included in the State of the Sound and Action Agenda updates. Results may be incorporated into other Puget Sound Partnership work products and used to advance the science needs for Puget Sound.

Recommendations and/or Requests:

Science Panel discussions on how to advance the science-policy dialogue on floodplains and identification of issues to consider in the 2014-16 BSWP update.

Attachments:

- Agenda for the June 6, 2013 State of the Science workshop with list of attendees
- Current calendar of State of the Science Panels 2013-2014

Floodplain State of the Science Panel: A decision-critical science workshop

Final Meeting Packet

Date: June 6, 2013

Time: 1:00 - 4:30 p.m.

Location: Center for Urban Waters, Tacoma (Commencement Bay Rooms)
326 East D Street, Tacoma, WA 98421

Included in this packet:

- Final Agenda
- Attendee list (confirmed attendees only)
- Directions to Center for Urban Waters (attached)
- WebEx information (below and included in email)

Purpose:

The Puget Sound Institute at UW Tacoma, the Puget Sound Partnership, and the Science Panel are hosting this discussion with natural and social scientists, managers and decision makers to advance our regional understanding about current science priorities related to floodplain management and recovery.

Key Objectives:

- Here updates on the current state of science related to floodplain function, restoration and management
- Identify key gaps in decision-critical science
- Identify opportunities to address science gaps and advance multi-benefit floodplain management and recovery

WebEx:

1. Go to <https://uwt-cuw.webex.com/uwt-cuw/j.php?ED=234950317&UID=1505702927&PW=NOTVIMTRkMThk&RT=MIM0>
2. If requested, enter your name and email address.
3. If a password is required, enter the meeting password: floodplains
4. Click "Join".

To join the audio conference:

[\(415\) 926-7780](tel:(415)926-7780)

conference ID: 51245

Agenda

Part 1. Setting the Context

30 min

Management of floodplains to achieve multiple benefits: What can science do to help answer critical questions and shift management reality toward more effective multi-objective management of floodplains?

1. Introduction – *David St John, Puget Sound Partnership*
2. Case study panel: the real-world floodplain management and decision-making context
 - Whatcom County - *Paula Cooper*
 - King County - *Lorin Reinalt*
 - Pierce County - *Hans Hunger*
 - Nisqually Tribe - *David Troutt*
3. Wrap up – *Dave St John, Puget Sound Partnership*

Part 2. Floodplain Science

120 min

What do we know about the multiple benefits of floodplain protection and recovery?
What are the key decision-critical science gaps?

2.1 Biophysical Sciences

(60 min)

Habitat, hydrology, geomorphology: What are current questions being addressed and where does science need to go next?

Short presentations:

(30 min)

Chris Konrad, USGS
George Pess, NOAA
Tim Beechie, NOAA

Discussion – Biophysical Sciences

(30 min)

Coffee Break (drinks and snacks provided by Puget Sound Institute)

2.2 Social Sciences

(60 min)

Social sciences and floodplain management: Social, cultural, institutional, human safety, economic and other issues associated with floodplain protection and management

Short presentations:

(30 min)

Mark Buckley, EcoNorthwest
Dave Carlton, Atkins Global
Dave White, King County
Sara Breslow, NOAA NWFSC

Discussion – Social Sciences

(30 min)

Part 3. Where do we go from here?

60 min

Moderated discussion on biophysical and social science:

What science is needed to inform current policy or programmatic opportunities?

How can we address these key science gaps?
Moderator: *David St John, Puget Sound Partnership*

After workshop gathering

4:30 ...?

Following the workshop, there will be an opportunity to continue discussions either at CUW or at one of Tacoma's public houses.

Attendees (confirmed only)

Andy James	UW Tacoma - Puget Sound Institute
Bill Labiosa	PSP Science Panel, USGS
Bob Freitag	UW - College of Built Environments
Brian Murray	County - King
Chris Davis	PSP Ecosystem Coordination Board, TNC
Chris Konrad	USGS
Connie Ladenburg	County - Pierce County Council Member
Connie Sullivan	PSP Staff, Washinton Sea Grant
Cynthia Rossi	Tribes - Point-No-Point
Dan O'Neal	PSP Leadership Council
Dave Carlton	Atkins Global
Dave Greetham	County - Kitsap
Dave Ward	PSP Staff
David Troutt	Tribes - Nisqually
David White	County - King
Elden Hillaire	Tribes - Lummi
Emmett Dobey	Wa. Counties
Fred Jarrett	County - King
George Pess	NOAA
Gino Lucchetti	County - King
Guillaume Sadler Mauger	UW Climate Impacts Group
Hans Hunger	County - Pierce
Jen Burke	PSP Staff
Joel Baker	UW Tacoma - Puget Sound Institute
John-Paul Shannahan	Tribes - Skagit
Josh Latterell	County - King
Julie Morse	TNC
Kari Stiles	PSP Staff, UW Tacoma - Puget Sound Institute
Katy Vanderpool	County - King
Katherine Boyd	PSP Staff
Kelly Biedenweg	UW Tacoma - Puget Sound Institute
Ken Currens	PSP Science Panel, NWIFC
Ken Dzinbal	PSP Staff
Kris Johnson	TNC
Lind Steinman	OFM
Lisa Spurrier	County - Pierce
Lorin Reinalt	County - King
Mark Buckley	EcoNorthwest - panelist
Mark Eberlein	FEMA
Martha Konsgaard	PSP Leadership Council
Melissa Poe	NOAA
Michael Grayum	PSP Staff
Monica Walker	County -King
Nathalie Hammel	PSP Staff
Neil Aaland	WSAC Program Consultant (Wash State Associaton of Cities)
Nick Georgiadis	UW Tacoma - Puget Sound Institute
Nicole Faghin	Washington Sea Grant
Nona Snell	RCO

Oliver Grah	Tribes - Nooksack
Patricia Olson	Ecology
Paul McCollum	Tribes
Paula Cooper	County - Whatcom
Polly Hicks	NOAA
Rick Hartson	Tribes - Skagit
Sara Jo Breslow	NOAA NWFSC
Sarah McCarthy	County - King
Scott Chitwood	Tribes - Jamestown S'Klallam
Scott Redman	PSP Staff
Thom Johnson	Tribes - Point-No-Point Treaty Council
Tim Beechie	NOAA
Tim Hyatt	Skagit River System Co-Op
Tom Sibley	NOAA
Tracy Collier	PSP Staff
Travis Ball	USACE
Treva Coe	Tribes - Nooksack
Trina Wellman	PSP Science Panel, Northern Economics

State of the Science Panels and PSI Workshops
2013 – 2014 Proposed Calendar
 Updated June 3, 2013

Proposed panel date	Science Panel date	Topic	Proposed panelists	Organizers
April 2 (completed)	April 3	<u>SOS Panel: Ocean health index</u> 4/2 morning – S.O.S. panel 4/2 afternoon- PSEMP	Ben Halpern (NCEAS), Phil Levin (NWFSC), Ray Hilborn (UW)	PSI - Tessa PSP - Ken Dzinbal SP – Bill Labiosa, Bob Johnston
May 14-15 (completed)	- - -	<u>PSI Ecosystem Workshop</u> Use of science to inform ecosystem protection and recovery	Many invited workshop participants	PSI - Nick G PSP - Scott Redman SP - many
June 6 (1-4:30pm)	June 12-13	<u>SOS Panel: Floodplain Research</u> Mapping floodplain area, measuring floodplain function, multi-objective floodplain management	<i>Proposed:</i> Chris Konrad (USGS), ECY, TNC, managers???	PSI – Kari, Andy, Nicole PSP - Scott R, Dave SJ SP – Trina, Ken C
July 1-19 (TBD)	July 24	<u>SOS Panel: Marine Survival Project</u> Salmon early survival	<i>Proposed:</i> Mike Schmidt (LLTK), Dave Beauchamp, others?	PSI - Tessa PSP- Tracy Collier, Tristan Peter-Contesse SP - John Stein, Ken C?
August ??? (TBD)	Oct 1-2	<u>Proposed PSI Workshop: Ecosystem-Based Management of Puget Sound Forage Fish</u>	<i>TBD</i>	PSI – Tessa Co-organizers: Marc Mangel (UCSC), Tim Essington (UW)
late summer?	Oct 1-2	<u>Proposed PSI Workshop: Hood Canal Water Quality Management</u>	<i>TBD</i>	PSI - Andy
September (TBD)	Oct 1-2	<u>SOS Panel: Ocean Acidification</u>	<i>Proposed:</i> Dick Feely (PMEL), Simone Alin (PMEL), Ryan Kelley (UW, SMEA), Terrie Klinger (UW, SMA), Moose O'Donnell (UW, FHL), and Bill Dewy (Taylor Shellfish	PSI - Andy PSP – Connie Sullivan, Duane Fagergren (OA & shellfish) SP – Jan Newton

Proposed panel date	Science Panel date	Topic	Proposed panelists	Organizers
October (TBD) 2 day workshop	Nov 13	<i>Proposed PSI Workshop: Social Science and Human Wellbeing Indicators</i> 2nd regional social science workshop on human dimensions of ecosystem recovery; identification of HWB indicators	many workshop participants	PSI - Kelly B PSP - Dave Ward, Leska Fore SP - Trina W
December 2-13 (TBD)	Dec 18	<i>SOS Panel: Restoration planning in the face of climate change</i> Land use change; terrestrial adaptation to climate change; PSP's effort to address canopy cover; shorelines and adaptation	<i>Proposed:</i> CIG, Josh Lawler Ken Pierce Marina Alberti Guillaume Mauger, Climate Impacts Group: Terrestrial and Aquatic Ecosystems of the Pacific Northwest	PSI - Joel, Kari, Nicole PSP - Dave Ward, Todd Haas? SP - Tim Q?
Proposed 2014	???	<i>Stormwater Research</i> status report on characterizing toxicity	<i>Proposed:</i> Jen McIntyre, others???, Nat Sholz (NWFSC) and group	PSI- Kurt, Andy PSP- Dave Ward, (Bruce W or Scott R?) SP-John Stark?
Proposed 2014	???	<i>Shoreline Armoring</i>		PSI – Nicole Faghin, Andy James PSP – Todd Hass SP?