

**Beyond Armwaving and Anecdotes:  
Are your critical areas ordinances being implemented effectively?  
Puget Sound Region Critical Areas Monitoring & Adaptive Management Workshop**

**Date:** February 27, 2018

**Time:** 9:00 AM to 2:30 PM (registration will begin at 9:00 AM; workshop activities start at 9:30)

**Location:** Puget Sound Regional Council Conference Room: [1011 Western Avenue Suite 500, Seattle, WA 98104](#). See maps on page 3 for directions.

**Definition of Critical Areas Monitoring:** In the context of this workshop, “critical areas monitoring” consists of tracking permit implementation and/or compliance with permit mitigation requirements.

**Definition of Adaptive Management:** In the context of this workshop, “adaptive management” consists of revising your permit processes based on an evaluation of permit implementation or compliance. For example, changes to application forms, training staff, changing administrative interpretation, or changing the regulations.

**Purposes:** The purposes of these workshops are to...

- Introduce the concept of critical areas monitoring and adaptive management to better track permit implementation and compliance with permit mitigation requirements;
- Review the steps to monitor and adaptively manage critical areas ordinances.
- Provide best practices from local planners;
- Demonstrate tools for how to monitor critical areas regulations;

Please note that this workshop will **not** focus on how to monitor the ecological impacts of critical areas regulations or the success of mitigation sites (“ecological validation monitoring”). See page 2 for the agenda.

**Questions to Consider Prior to the Workshop:** Prior to the workshop, please consider the following questions and consult your colleagues in your jurisdiction if needed:

- What does your jurisdiction do, if anything, to follow through on critical areas permit compliance (i.e., what are your “feedback loops” for permit implementation)?
- In your jurisdiction, are there approaches for monitoring critical areas that work well or don’t work well?
- What are priority compliance topics that would benefit from an improved feedback loop (e.g., riparian buffers, bulkheads, docks)?

**Certification Maintenance:** American Institute of Certified Planners (AICP) [Certification Maintenance \(CM\)](#) credits have been requested for this workshop (4 CM credits requested). Please contact [Anne Fritzel](#) for more information about obtaining CM credits.

**Presentation Slides:** Please see the Department of Commerce’s project webpage for presentation slides: <https://goo.gl/znd6aF>.

## Agenda

Time	Agenda Topic
9:00 AM (30 min)	<b>A. Registration</b>
9:30 AM (10 min)	<b>B. Welcome and Introductions</b>
9:40 AM (20 min)	<b>C. Overview of Critical Areas Monitoring and Adaptive Management</b> Overview of workshop goals, background, definitions, legal issues, and reasons to monitor and adaptively manage critical areas regulations. <ul style="list-style-type: none"> <li>Presenters: <a href="#">Heather Ballash</a> (WA Department of Commerce); <a href="#">Tim Gates</a> (WA Department of Ecology), &amp; <a href="#">Keith Folkerts</a> (WA Department of Fish and Wildlife)</li> </ul>
10:00 AM (20 min)	<b>D. Determining the Objectives of Critical Areas Monitoring and Adaptive Management</b> Break out activity to respond to the question: “What questions would you like to answer through critical areas monitoring and adaptive management?”
10:20 AM (30 min)	<b>E. How to Monitor Critical Areas</b> Review of the steps jurisdictions could take to monitor critical areas. <ul style="list-style-type: none"> <li>Presenters: <a href="#">Heather Ballash</a> (WA Department of Commerce); <a href="#">Tim Gates</a> (WA Department of Ecology), &amp; <a href="#">Keith Folkerts</a> (WA Department of Fish and Wildlife)</li> <li>Questions and answers</li> </ul>
10:50 AM	<b>F. 10-Minute Break</b>
11:00 AM (30 min)	<b>G. Snohomish County Presentation</b> Presentation on how Snohomish County monitors its critical areas. <ul style="list-style-type: none"> <li>Presentation: <a href="#">Randy Middaugh</a>, Principal Planner</li> <li>Questions and answers</li> </ul>
11:30 AM (30 min)	<b>H. City of Kirkland Presentation</b> Presentation on how the City of Kirkland monitors its critical areas. <ul style="list-style-type: none"> <li>Presentation: <a href="#">Christian Geitz</a>, Planner</li> <li>Questions and answers</li> </ul>
12:00 PM (15 min)	<b>I. Sharing Your Existing Efforts</b> Break out activity for participants to understand the monitoring efforts taking place in other jurisdictions.
12:15 PM	<b>J. 45-Minute Lunch</b> (sandwich makings and salads provided)
1:00 PM (45 min)	<b>K. Critical Areas Monitoring Tools: From Basic to Complex</b> Demonstration of how “High Resolution Aerial Imagery Change Detection” could be used to monitor critical areas regulations. <ul style="list-style-type: none"> <li>Presenter: <a href="#">Matt Muller</a> (WA Department of Fish and Wildlife)</li> </ul> Overview of case studies and data sources/resources. <ul style="list-style-type: none"> <li>Presenter: <a href="#">Tim Gates</a> (WA Department of Ecology)</li> </ul>
1:45 PM (30 min)	<b>L. Peer Consultation</b> Serve as peer consultants to address challenges or further develop critical areas monitoring and adaptive management efforts in your jurisdictions.
2:15 PM (15 min)	<b>M. Wrap up</b> Wrap up and request to fill out an online evaluation of the workshop: <a href="https://www.surveymonkey.com/r/SeattlePSRC-CriticalAreasWkshop">https://www.surveymonkey.com/r/SeattlePSRC-CriticalAreasWkshop</a>
2:30 PM	<b>M. Adjourn</b>

**Directions to:** Puget Sound Regional Council: 1011 Western Avenue Suite 500, Seattle, WA 98104

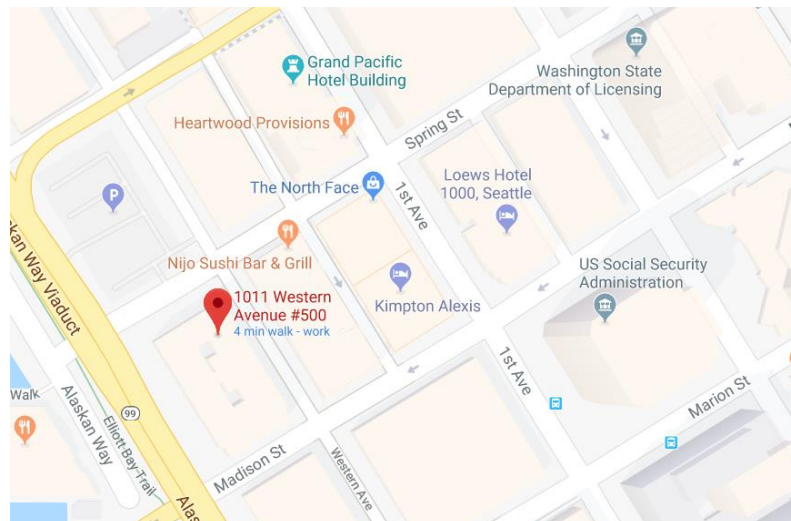
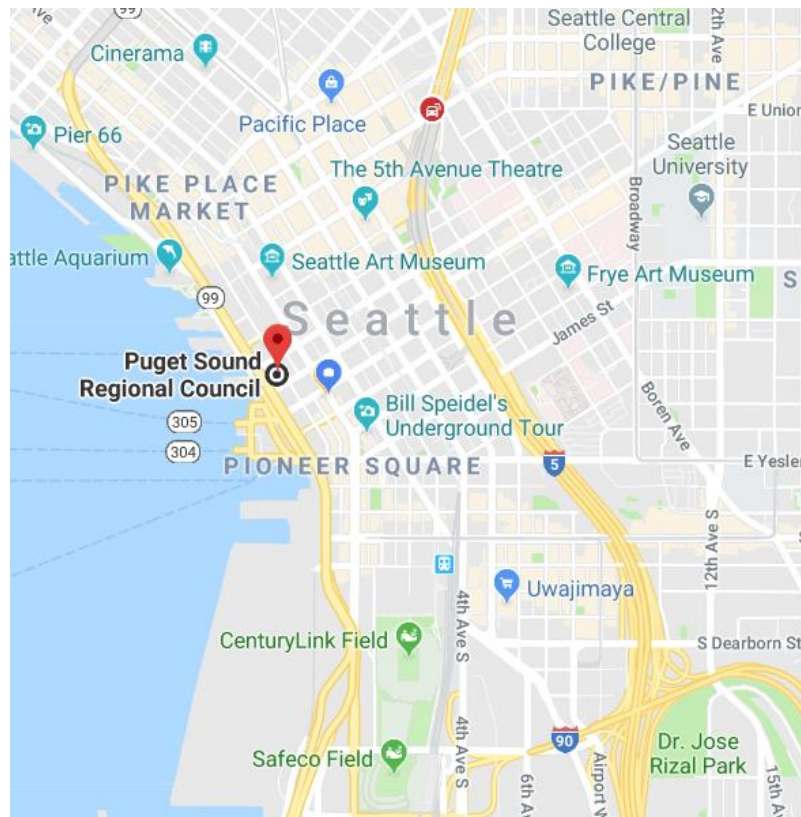
### By Car

Northbound I-5: take the Madison Street Exit. Go left on Madison to Western Avenue.

Southbound I-5: take the Union Street Exit. Continue on Union and turn left on 2nd Avenue. Continue 4 blocks and turn right on Madison Street. Continue to Western Avenue.

### By Transit

PSRC offices are easily accessible by transit. For route maps, schedules, and trip planners, check [King County Metro](#), [Community Transit](#), [Sound Transit](#), or [Washington State Ferries](#).



## Speaker Information

<p>Heather Ballash Senior Planner Growth Management Services Washington State Department of Commerce 360-951-4743 <a href="mailto:Heather.Ballash@commerce.wa.gov">Heather.Ballash@commerce.wa.gov</a></p>	<p>Keith Folkerts Land Use Policy Lead Priority Habitats and Species Section Washington State Department of Fish and Wildlife 360-731-8644 <a href="mailto:Keith.Folkerts@commerce.wa.gov">Keith.Folkerts@commerce.wa.gov</a></p>
<p>Tim Gates Policy and Operations Manager, Shorelines and Environmental Assistance Washington State Department of Ecology 360-407-6522 <a href="mailto:Tim.Gates@ecy.wa.gov">Tim.Gates@ecy.wa.gov</a></p>	<p>Matt Muller Priority Habitat and Species Client Liaison Priority Habitat and Species Section Washington State Department of Fish and Wildlife 360-902-2554 <a href="mailto:Matthew.Muller@dfw.wa.gov">Matthew.Muller@dfw.wa.gov</a></p>
<p>Christian Geitz Planner City of Kirkland 425-587-3246 <a href="mailto:CGeitz@kirklandwa.gov">CGeitz@kirklandwa.gov</a></p>	<p>Randy Middaugh Principal Planner Snohomish County 425-262-2306 <a href="mailto:randy.middaugh@snoco.org">randy.middaugh@snoco.org</a></p>