

# Puget Sound Nutrient Forum

## August 11, 2020 Webex Chat Record

Dave Peeler to host (privately): 10:47 AM

Dustin, it's unclear how the optimization scenarios will distinguish between PS and NPS sources in the watersheds.

Lincoln Loehr to host (privately): 10:48 AM

Just curious. How many people on this meeting?

Jeff Clarke to host (privately): 10:49 AM

Why is the model moving to UW?

Dave Peeler to host & presenter: 10:50 AM

Dustin, it's unclear how the optimization scenarios will distinguish between PS and NPS sources in the watersheds.

Joseph Grogan to host (privately): 10:55 AM

I noticed the population projection in table 8 shows a 2020 projection of 390mgd – 400mgd, actual 2019 WWTP flows were 317MGD have you looked at a scenario where the WWTP's are working on their I&I issues and separating storm combined systems and the flows actually decline?

Dave Peeler to all panelists: 10:59 AM

What is the timing for this change of the SSM host?

Dave Peeler to all panelists: 11:06 AM

That was point source and nonpoint sources in the watersheds, sorry.

Karen Dinicola to host (privately): 11:06 AM

Is there a vision for the model to connect to SPARROW as well as VELMA, or just to VELMA?

WQ Program to Lincoln Loehr (privately): 11:09 AM

There are 86 attendees today

Lincoln Loehr to host (privately): 11:09 AM

I&I = Inflow and Infiltration

Robert Holman to host (privately): 11:11 AM

The Budd Inlet/Deschutes TMDL has used the Budd Inlet model to evaluate potential Budd Inlet DO sources. Will WDOE now coordinate with this Salish Sea model or shift completely?

Paul Pickett to all panelists: 11:11 AM

Will the modeling and strategy address the effect of flow quantity?

Some streams are showing a trend in declining flows, and climate change is likely to reduce summer flows and increase stormwater runoff.

Dustin Bilhimer to everyone: 11:22 AM

To answer Paul's question about including flow quantity; our modeling so far has been focused on existing years 2006, 2008, 2014. Developing input files for other years will require a change in project scope, schedule and budget. Changes in watershed hydrology due to climate change will affect the residence time of sensitive inlets and bays which will result in greater stress from local anthropogenic nutrient loads. Tarang and his team published a paper last year that looked at climate change impacts on Salish Sea water quality.

Paul Pickett to all panelists: 11:26 AM

Perhaps from those three years, some sensitivity to flow can be evaluated.

Also I note that drought declaration were issued in 2001, 2005, 2015, and 2019.

Unfortunately, none of the years being evaluated were one of these drought years

Lincoln Loehr to host (privately): 11:31 AM

The DO criteria drive all of this. A future forum meeting needs to focus on the DO criteria. Ecology proposed a basis for the DO criteria 50 years after the fact. It had problems and Ecology has revised it. Ecology's presentation at the May 30 2018 meeting had significant problems.

Mindy Roberts to all panelists: 11:32 AM

A reminder that while nonpoint sources are important to address for lots of reasons, the loads are much lower in the summer months when loading and sunlight drive algae growth. We cannot solve this problem by only addressing nonpoint sources.

Alan Mearns to host (privately): 11:32 AM

How can we learn the extent to which anthropogenic nutrients support secondary and tertiary production and diversity in Salish Sea?

Lincoln Loehr to host (privately): 11:32 AM

Because dissolved oxygen water quality criteria are drivers in the listing of waters as impaired (which in turn mandates steps to remedy) and are also drivers in determining the amount of

nutrient reduction needed, such criteria must be based on sound scientific rationale and should be established based on scientifically defensible methods.

Paul Pickett to all panelists: 11:34 AM

Don't assume climate change is the only reason that inflows are declining.

Summer low flows affect sound circulation, too. thank you!

Karen Dinicola to host (privately): 11:35 AM

Will the host please share the chat so that everyone can see?

Mindy Roberts to all panelists: 11:38 AM

Lincoln continues to focus on the water quality criteria, but the public would not stand behind weakening the water quality standards as he has suggested. I also don't think people in eastern Washington would be ok with people in western Washington just changing the bar to make it easier to comply.

Lincoln Loehr to host (privately): 11:40 AM

Chesapeake Bay states changed their criteria

Mindy Roberts to all panelists: 11:40 AM

Was the Spokane wastewater treatment plan required to meet the same dissolved oxygen standard? See comment above.

Tom Swartout to host (privately): 11:41 AM

Will chat be posted to web?

Kimberle S to host (privately): 11:41 AM

As a follow up to Lincoln, a concurrent effort to determine biologically relevant DO criteria is sorely needed.

Lincoln Loehr to host (privately): 11:42 AM

Mindy's argument is not a scientific one.

Paul Pickett to all panelists: 11:43 AM

Please post the entire chat - I can't see any replies except Dustin's

Andrew Hawley to host (privately): 11:43 AM

I am not able to see the chat questions/comments to and among the panelists.

Heather Earnheart to host (privately): 11:44 AM

I cannot see them either

Tom Swartout to host (privately): 11:44 AM

I also cannot see side conversations