

# ***Hood Canal Coordinating Council***

JEFFERSON, KITSAP & MASON COUNTIES  
PORT GAMBLE S'KLALLAM & SKOKOMISH TRIBES  
STATE & FEDERAL AGENCIES

## **Hood Canal Regional Pollution Identification and Correction Program**

### **NEP Phase 2 Grant**

### **Guidance Group Meeting Agenda**

**July 7, 2016, 1:00 pm – 4:00 pm**

Hood Canal Coordinating Council meeting room (and via WebEx)  
17791 Fjord DR NE, Suite 124, Poulsbo, WA 98370

## **Meeting Minutes**

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### **HIGHLIGHTS:**

- **We are 75% through the Hood Canal Regional Pollution and Identification implementation grant project field work timeline. There are six months left for field work and the project needs to be completed by March 31, 2017.**
- **Next meeting: September 22, 2016 12:30 – 3:30 pm at Hood Canal Coordinating Council meeting room (and WebEx).**

### **Attendees**

Leslie Banigan, Kitsap Public Health  
Erica Bates, Washington State University Extension, Mason  
Seth Book, Skokomish Tribe  
Rachel Daily, Kitsap Public Health  
Hans Daubenberger, Port Gamble S'Klallam Tribe  
Mike Dawson, Jefferson Public Health  
Stephanie Fraser, Jefferson Public Health  
Glenn Gately, Jefferson Conservation District  
Haley Harguth, Hood Canal Coordinating Council  
Stephanie Kenny, Mason Public Health  
Paul McCollum, Port Gamble S'Klallam Tribe  
Sam Phillips, Port Gamble S'Klallam Tribe  
Debbie Riley, Mason Public Health  
Ian Rork, Kitsap Public Health  
Jean Snyder, Washington State Department of Health  
Cindy Waite, Mason County Public Health

### **Introductions and Project Timeline**

Leslie welcomed the group to the meeting and facilitated individual introductions.

Leslie provided the group with an overview of the Hood Canal Regional PIC implementation grant timeline. The grant contract was signed August 25, 2014, Kitsap Health's sub-contract was signed November 6, 2014, and the draft quality assurance project plan (QAPP) was submitted for approval December 23, 2014. Since the QAPP was approved in February 2015, we have completed 16 months of field work with 6 months remaining. Field work must be completed in December in order for the remaining tasks to be completed on time. The month of January is set aside for all mapping tasks, data quality assurance will be conducted in February, and the final report will be written and submitted by March 31, 2017.

## Quarterly Reports

### Kitsap Public Health

- During the wet season of 2015, Kitsap Health sampled roughly 12 miles of shoreline, no confirmed hot spots were found and no confirmations were needed.
- During the dry season of 2015, Kitsap Health sampled the same 12 miles of shoreline and found one confirmed hotspot at holly beach community club. That hotspot is currently being investigated but has dried up and investigation is ongoing.
- During the wet season of 2016, Kitsap Health sampled roughly 13.5 miles of shoreline in Hood Canal 2. During the 4 days of shoreline surveys, 145 freshwater sources were sampled for E.coli. No elevated counts were found.
- The same 13.5-mile stretch of shoreline is scheduled for dry season sampling this year.

### Jefferson Public Health

- Mike reported that Jefferson has worked diligently and has already completed and billed their portion of the grant funding.
- In the Irondale watershed, their team has continued to monitor the creek and has seen a steady increase of bacteria concentrations through spring and into early summer.
- The Brinnon area sites have dried up due to lack of substantial rainfall
- Jefferson is currently focusing efforts on sanitary surveys
  - 39 sanitary survey complete in May and June
  - Current repairs underway in Port Hadlock, Paradise Bay and Pleasant Harbor
  - A dye test is underway in the Irondale watershed
  - 12 open enforcement cases
- There has been no progress on the nutrient study but the plan is to complete the original work plan. Jefferson is hoping to utilize a data probe for live results in their field work.
- Transitioning to a new/updated GIS system
  - Will be utilizing iPad tablets in the field with ESRI collector
  - Changing the sanitary survey forms to automatically upload to computer from tablet

### Mason County Health

- 7.8 miles of shoreline sampled
  - 1.1 miles in priority area #2 (Hoodsport) in wet weather
  - Sampled 121 freshwater sources
  - One confirmation needed

- 6 confirmed hotspots in Hoodspout
- 1 corrective action in place
- Seepage pits sampled in April and will be re-sampled in August.
  - Field staff observed that the majority of seepage pits in the area are located in relatively dry areas, which is likely why they still remain. The seepage pits that were located in wet area have since failed and been replaced.
- Mason is planning their annual summer Septic Blitz to increase awareness of OSS maintenance requirements. They conduct this work during summer due to the high percentage of summer residents in Mason County.
  - They will provide septic maintenance vouchers in targeted areas.

### Port Gamble S'Klallam Tribe

- Hans reported that their literature review is complete,
- Dosewallips and Duckabush sampling is scheduled to take place July 12<sup>th</sup> and 13<sup>th</sup>
- Irondale and Lofall creek will be sampled in July or August
- If the group has any additional sites that they would like to add to the sampling list, Hans is interested in 2-4 extra sites. The cost of adding additional sites is relatively low once set up.
- QPCR methods will be used. Human, canine, and bovine markers will be prioritized over wildlife because they are more likely to be anthropogenic sources that are easier to fix.
- The tribe will be using the USGS lab on Marrowstone Island to conduct the analysis.
- The QPCR method takes roughly one week, possibly less, to conduct depending on how many questions are asked in the testing.
- Hans took time to show the group the testing equipment/filtration system that they have developed for this project.

### Skokomish Tribe

- They are focusing work efforts in the Anna's Bay area
- The tribe closed the Skokomish River for recreational fishing because it is within reservation boundaries and the ongoing problems with bacterial contamination from human waste.
- Found a raccoon latrine in Anna's Bay at a site that was formally known as the poo-fountain.
- Skokomish tribe's water quality lab is officially up and running
  - Plan to test for pesticide influences and analyze algae blooms for use as an early-early warning system
- Low dissolved oxygen levels are still an issue in Lynch Cove
- Dabob Bay is nearly in a hypoxic condition
- Twanoh area bottom waters have dissolved oxygen levels of approximately 0.9 ppm which is detrimental to aquatic life. Water near the surface is oxygenated by algae.
- The canal is undergoing a shift from diatoms to other types of organisms that recycle nutrients and release ammonia when they die off. Lynch Cove is now shifting to a Zooplankton dominated system but the main stem of Hood Canal looks stable.

## Education and Outreach

- Erica reported about the project education and outreach efforts to implement best management practices for septic systems, animal waste, and shoreline buffers. She has been working with Mason County to identify the target areas: Hoodspport, Union, and the Northshore.
- They plan to talk to as many residences within 250 feet of a stream or marine shoreline as possible.
  - Have surveyed 11 properties in Union and 4 in Hoodspport
- Union and Northshore properties will receive a postcard mailing
- They are exploring the option of developing a water quality based “report card” for Hoodspport

## Overview Notes

Leslie-

- Bracket sampling is a valuable tool to investigate whether:
  - non-participating properties have potential fecal sources.
  - properties with “Concern” or “Suspect” conditions have fecal sources.

Bracket sampling can identify direct discharges during dry weather and fecal sources flowing off properties during wet weather.

- Current data
  - Mason
    - 20 hotspots
    - 12 properties surveyed
    - 6 failures
  - Jefferson
    - 6 hotspots
    - 216 properties surveyed
    - 12 failures
    - 8 violations
  - Kitsap
    - 1 hotspot in Holly
    - 8 failures

Haley-

- The contract has been modified to fit the work load. Currently reviewing DOH contract amendments.
- The groups need to pay close attention to the upcoming deadlines and work diligently on deliverables/spending
- Received supplemental funding of roughly \$50,000 that is to be used by December.
  - This funding will go to PIC efforts, primarily in Jefferson
  - Leslie suggested that any jurisdiction needing additional funds submit a proposal request with detailed work plan and cost estimates.
  - Vouchers could potentially be an option with this funding