

Mason County Public Health
Northshore Pollution Identification and Correction Project
Centennial Clean Water Fund
Grant # G1000122



Small drainage along the Northshore of Hood Canal

1st Quarter Report
January 1, 2010 – March 31, 2010
April 12, 2011

Prepared for
Washington State Department of Ecology

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**Mason County Northshore Pollution Identification and Correction
Grant # G1000122
Quarterly Report, January 1, 2011 – March 31, 2011**

Task 1 – Project Administration and Management

Mason County Public Health (MCPH) prepared and submitted 4th Quarter 2010:

- Quarterly report
- Payment vouchers
- Fiscal forms

Task 2- Shoreline Survey/Water Quality Monitoring

MCPH staff has performed monitoring along approximately 8 miles of the Northshore of Hood Canal and taken an additional 74 samples during 4 monitoring days this quarter. MCPH did not have any samples analyzed for nutrients this quarter. Staff was unavailable in February for monitoring, which reduced the total number of anticipated monitoring days this quarter.

Quarterly Summary of Northshore Monitoring by Date

Date	# of FC samples	Elevated (>200) FC Samples	Repeat FC Samples	Elevated Repeat FC Samples	Section(s)	Nutrients?	Season?
1/26/2011	10	0	0	0	jj	No	Wet
3/9/2011	10	0	0	0	w	No	Wet
3/21/2011	22	0	0	0	w	No	Wet
3/22/2011	32	0	0	0	w	No	Wet
Totals	74	0	0	0	2 Sections	0	4 days

Mason County has completed the first round of monitoring along the Northshore, from Belfair to Dewatto. There are additional houses north of Dewatto Bay; however they are along private roads with locked gates, which MCPH does not have access too. MCPH will not be able to perform monitoring along this part of the shoreline without gaining access from residents.

The following table summarizes the monitoring performed to date:

Summary of Northshore Fecal Coliform Monitoring

Total Sites	288
Samples (includes multiple collected at one site)	316
Number of samples >200	18
Sites that have been re-sampled	14
Sites that need resample	1
Sites that need a Sanitary Survey	3

MCPH started the second round of monitoring, starting with section w in Belfair and is currently working west. There were 27 monitoring locations in Section w, during the dry weather

monitoring completed last summer, while there have been at least 65 monitoring locations (staff has not yet completed monitoring in section w) in the same section during wet weather monitoring.

Summary of Fecal Coliform Monitoring Locations by Segment and Season

Segment Name	Approx. residences	Miles of shoreline	Density (avg.) Residences /mile	Dry Weather Samples	Wet Weather Samples	Avg. Samples /mile Dry	Avg. Samples /Mile Wet
V	22	4.2	5	0	0	0	0
W	94	2.7	35	27	65	10	24
Y	59	1.3	45	32		25	0
Z	82	1.2	68	16		13	0
AA	85	1.2	71	19		16	0
BB	58	1.4	41	20		14	0
CC	43	1.1	39	3		3	0
DD	52	1.2	43	58		48	0
EE	46	1.5	31	16		11	0
FF	52	1.1	47	3		3	0
GG	99	3.6	28	17		5	0
HH	33	1.1	30	22		20	0
II	44	1.5	29		9	0	6
JJ	106	3.8	28		8	0	2
KK	33	6.9	5	0	0	0	0
LL	17	3.9	4	0	0	0	0
Totals:	925	37.7	25	233	82	10	2

MCPH anticipates that additional shoreline monitoring will occur this quarter, since the lows tides tend to happen during daylight hours. MCPH hopes to perform monitoring during ~15 days in the second quarter of 2011.

Task 3- Septic System Surveys

- MCPH has identified 3 sites for sanitary surveys based on confirmation fecal coliform sample results. MCPH has made several site visits to each site, but has not been able to make contact with residents. At least one site appears to be seasonal use.
- At the site where MCPH identified an OSS failure from the shoreline (cracked transport line), MCPH has sent the owner a Notice and Order to correct the violation and still has not received a response. MCPH will move forward with notification of intent to post for non-occupancy, followed by posting the structure for non-occupancy, unless the owner responds.
- MCPH prioritized 191 sites for sanitary surveys. MCPH has performed sanitary surveys at 13 sites, 5 sites have denied access, while 3 residents have chosen not to participate. Sites that

deny access are those sites where the owner/occupant actually instructs us to leave the property. Whereas those that are categorized as 'did not participate' are those that seem willing to have a sanitary survey performed and they do not outright ask us to leave the property, but for one reason or another did not have one completed.

- MCPH has had serious issues finding sites where the owners are actually home so that sanitary surveys can be performed. In order to gain greater participation MCPH has tried the following:
 - ◆ MCPH has made 95 initial site visits, but no one was home. Of the 95 sites, at least 14 have had a 2nd site visit and at least 12 have had a 3rd site visit, all with no one home.
 - ◆ MCPH compared all of the mailing addresses to the site addresses, assuming that those sites would be more likely to have people actually living at them. MCPH prioritized those sites for field inspection, however homeowners were still not home. MCPH hypothesizes that perhaps these sites are also part-time occupancy, but they have their mail forwarded or they work the same normal business hours (8-5) that MCPH works.
 - ◆ MCPH sent out letters to 40 homeowners in January to schedule an appointment for a sanitary survey. To date, MCPH has not received one response to those letters.
 - ◆ Determined to gain additional participation, staff decided to work a few Saturdays to see if there were more residents home during the weekend. MCPH was able to perform a few sanitary surveys, but not enough to continue to warrant work on Saturdays.
- MCPH hopes that summer time will bring many seasonal/recreational use property owners to Hood Canal. MCPH is planning on performing additional Saturday surveys between Memorial Day and Labor Day. Currently MCPH is not focusing on sanitary surveys around Hood Canal, assuming that many homeowners are not full time residents. Once the weather gets nicer, MCPH intends on heading back out to Hood Canal to attempt to gain greater participation.

Task 4- Public Outreach

- MCPH prepared and presented an update to Lower Hood Canal Watershed Coalition on March 7th, 2011.
- Washington State University-extension and MCPH presented on OSS and current projects in the Hood Canal area at the North Mason Timberland Library in Belfair on February 3rd, 2011.
- Washington State University-extension and MCPH presented on OSS O&M on March 15th, 2011.