

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



Small drainage along the Northshore of Hood Canal

**2nd Quarter Report**  
**April 1, 2011 – June 30, 2011**  
**June 14, 2011**

**Prepared for**  
**Washington State Department of Ecology**

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**Task 1 – Project Administration and Management**

Mason County Public Health (MCPH) prepared and submitted 1st Quarter 2011:

- Quarterly report
- Payment vouchers
- Fiscal forms

**Task 2- Shoreline Survey/Water Quality Monitoring**

MCPH staff has performed monitoring along approximately 12 miles of the Northshore of Hood Canal this quarter. Staff has taken an additional 345 total samples from 296 individual monitoring locations during 16 monitoring days this quarter. MCPH took samples from 114 monitoring locations, which were analyzed for ammonia-nitrogen, nitrite+nitrate-nitrogen and orthophosphate.

**Quarterly Summary of Northshore Monitoring by Date**

Date	# of FC samples	Elevated (>200) FC Samples	Repeat FC Samples	Elevated Repeat FC Samples	Blanks	Field Replicates	New Section(s)	Nutrients?	Nutrient Samples
4/4/2011	26	3	0	0	1	3	w	n	
4/19/2011	33	0	1	1	1	4	y	n	
4/20/2011	17	0	1	0	1	1	y	n	
5/3/2011	23	0	0	0	1	3	y & z	n	
5/4/2011	25	0	0	0	1	2	z & aa	n	
5/16/2011	21	0	0	0	1	1	aa	n	
5/17/2011	13	0	0	0	1	2	aa & bb	n	
5/18/2011	15	0	0	0	1	1	bb	n	
5/31/2011	21	0	0	0	1	1	bb	n	
6/1/2011	13	1	0	0	1	2	bb & cc	n	
6/13/2011	19	3	0	0	1	2	cc & dd	y	11
6/14/2011	41	0	0	0	1	3	dd	y	37
6/15/2011	18	0	0	0	1	2	dd	y	15
6/27/2011	21	0	0	0	1	2	dd	y	18
6/28/2011	19	2	0	0	1	2	ee	y	16
6/29/2011	20	0	2	0	1	2	ee & gg	y	17
<b>Totals</b>	<b>345</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>16</b>	<b>33</b>	<b>9 sections</b>	<b>6 days</b>	<b>114</b>

MCPH continued the second round of monitoring in section 'w' just west of Belfair and has completed monitoring part way through section 'gg.' This monitoring is located along the shoreline from approximately the Wagon Wheel Development almost reaching the Tahuya River.

The following tables summarize the monitoring performed to date under this grant:

#### Summary of Northshore Fecal Coliform Monitoring

<b>Total Sites</b>	<b>419</b>
Samples (includes multiple collected at one site)	614
Number of samples >200	26
Sites that have been re-sampled	19
Sites that need resample	7
Sites that need a Sanitary Survey	4

#### 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	Average Samples/Mile Wet
<b>V</b>	22	4.2	5	0	0	0	0
<b>W</b>	94	2.7	35	27	93	10	34
<b>Y</b>	59	1.3	45	32	43	25	33
<b>Z</b>	82	1.2	68	16	20	13	17
<b>AA</b>	85	1.2	71	19	38	16	32
<b>BB</b>	58	1.4	41	20	40	14	29
<b>CC</b>	43	1.1	39	3	9	3	8
<b>DD</b>	52	1.2	43	58	80	48	67
<b>EE</b>	46	1.5	31	16	19	11	13
<b>FF</b>	52	1.1	47	3	3	3	3
<b>GG</b>	99	3.6	28	17		5	
<b>HH</b>	33	1.1	30	22		20	
<b>II</b>	44	1.5	29		9		6
<b>JJ</b>	106	3.8	28		8		2
<b>KK</b>	33	6.9	5	0	0	0	0
<b>LL</b>	17	3.9	4	0	0	0	0
<b>Totals:</b>	925	37.7	25	233	362	10	15

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 third quarter of 2011 and complete the second round of monitoring within the study area.

**Task 3- Septic System Surveys**

- MCPH has not performed any additional work on septic system surveys this quarter. MCPH plans to ramp up the sanitary surveys this quarter.

**Task 4- Public Outreach**

- MCPH has not performed any additional work relating to the project and public outreach.