



**Mason County Hood Canal Marine Recovery Area On-site
Septic System Discovery and Pollution Abatement Project**
Centennial Clean Water Fund
Grant # G1000278



Twanoh Creek spring 2011

3rd Quarter Report
July 1, 2011 – September 30, 2011

**Prepared for
Washington State Department of Ecology**

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Quarterly Report, July 1, 2011 – September 30, 2011

Work performed throughout the quarter:

Task 1 – Project Administration and Management

Mason County Public Health (MCPH) prepared and submitted 2nd Quarter 2011:

- Quarterly report
- Payment vouchers
- Fiscal forms

Task 2- O&M Enhancement

- No additional parcel records were specifically pulled and verified this quarter. To date, MCPH has verified, scanned and indexed 3844 parcels files within the Hood Canal study area.
- Parcel records associated with 90 new septic permits, 219 record requests and ~243 OSS records associated with property reviews for building permits were verified, updated in Carmody and scanned this quarter.

Task 3- O&M Education

- MCPH sent out bulk mail reminders to 3,550 postal customers around Hood Canal.

Task 4- Water Quality Monitoring

- MCPH performed monthly monitoring at the three 303(d) listed streams that did not meet the water quality standard after the initial 10 samples. The three streams that did not meet the water quality standard are Big Bend, Deveraux and Trails End. Those streams were monitored in July, August and September, except for Deveraux, which did not have flows in August or September.
- MCPH segmented Big Bend and Trails End Creeks this quarter. Deveraux was not flowing in August or September, so staff is hoping to perform segmenting this quarter. Staff will utilize this information to prioritize sanitary surveys along those streams.
- MCPH took a total of ~26 samples this quarter.
- MCPH loaded all location and result data relating to fecal coliform monitoring through August, 2011 into EIM. MCPH is still working with EIM to fully load this data.
- MCPH is working on a letter to request the removal of 9 of the 12 streams that are on the 303(d) list for fecal coliform, which will be completed by the October 15th, 2011 due date.
- MCPH will continue to perform monthly monitoring at the three 303(d) listed streams this quarter. MCPH will work with DOE staff to determine if additional monitoring needs to be performed on any of the other streams that were meeting the water quality standard.

The following is a summary of the monitoring results to date (not included in this table are the data pertaining to field parameters, flow/loading rates, nutrients and stream segmenting).

303(d) Stream Monitoring Summary

303(d) Stream	Site ID	GEO-MEAN	90th Percentile	MIN	MAX	# of samples >100 FC	# of Samples	% of Samples >100FC	Meets WQ Standard*
Deveraux	DE-01	28	205	2	900	6	14	43%	Exceedance
Trails End	TE-01	30	274	2	300	4	13	31%	Exceedance
Big Bend	BG-01	37	162	8	1600	3	13	23%	Exceedance
Holyoake	HO-01	15	62	4	170	1	10	10%	NAP
Mulberg	MU-01	11	60	2	500	1	11	9%	NAP
Twanoh	TW-01	7	50	2	110	1	11	9%	NAP
Twanoh Falls	TF-01	4	17	2	110	1	11	9%	NAP
Little Mission	LM-01	10	52	2	70	0	10	0%	NAP
Lilliwaup	LI-01	10	28	4	80	0	10	0%	NAP
Happy Hollow	HA-01	4	15	2	30	0	10	0%	NAP
Stimson	ST-01	3	12	2	17	0	10	0%	NAP
Shoofly	SH-01	3	4	2	8	0	10	0%	NAP

* Based on the Extraordinary Primary Contact Water Quality Standard which requires that fecal coliform levels cannot exceed a geometric mean value of 50 colonies/100mL, with not more than 10% of all samples exceeding 100 colonies/100mL.

- Monitoring results from all 3 streams have been poor this quarter, increasing the percent of samples that have been greater than 100 FC/100mL.

Task 5- Septic System Sanitary Surveys

- Currently MCPH is currently focused on sanitary surveys along the Northshore of Hood Canal and although that area is included as part of the study area of this grant, the funds that have been used to pay for those surveys come from MCPH's other CCWG that focuses on the Northshore of Hood Canal. Sanitary Surveys for that area are reported under DOE grant G1000122.
- MCPH has performed 1 dye test this quarter in response to complaint. The dye test is still on-going.
- MCPH has had 9 OSS repairs this quarter within the study area.
- MCPH hopes to start performing sanitary surveys in the Deveraux, Trails End and Big Bend Watersheds this quarter since they did not meet the WQ Standard.