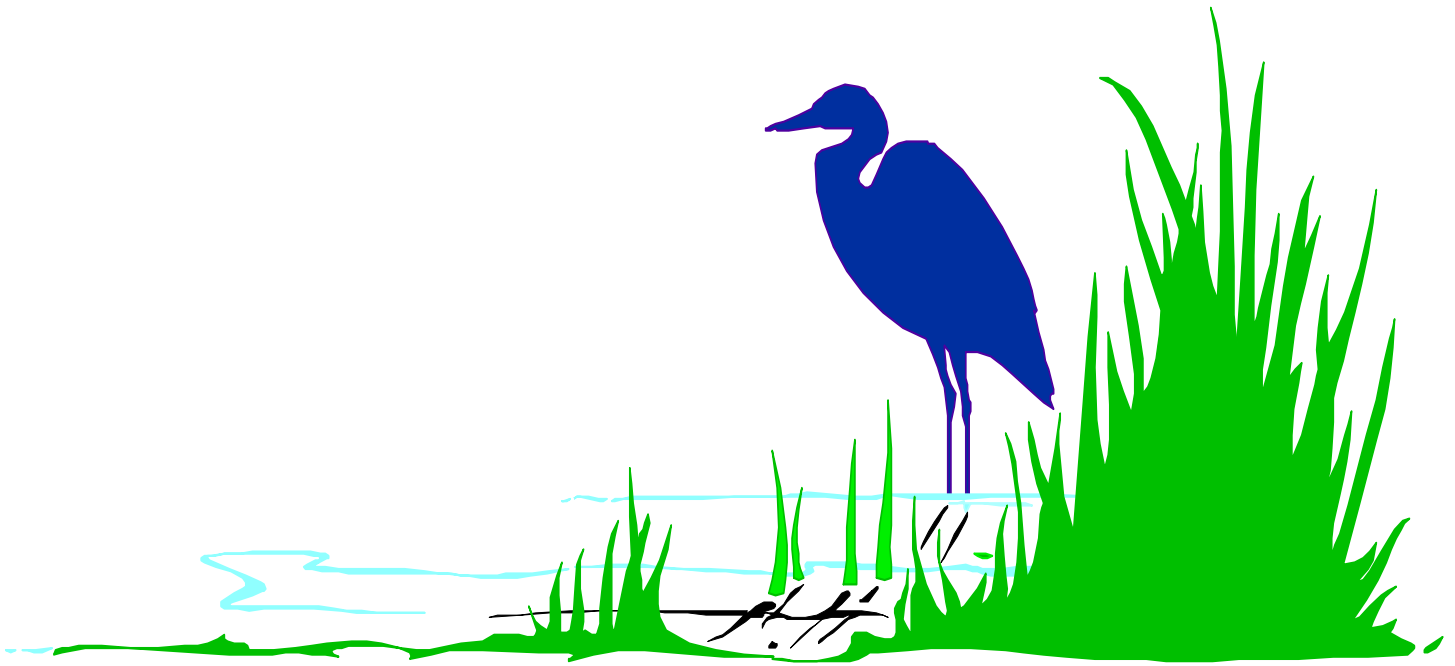


**Mason County Hood Canal Marine Recovery Area On-site  
Septic System Discovery and Pollution Abatement Project**  
**Centennial Clean Water Fund**  
**Grant # G1000278**

**3<sup>rd</sup> Quarter Report**



**July 1, 2010 – September 30, 2010**

**Prepared for  
Washington State Department of Ecology**

**Prepared by  
Amy Georgeson**

**Mason County Hood Canal Marine Recovery Area On-site Septic System Discovery and Pollution Abatement Project**  
**Grant # G1000278**  
**Quarterly Report, July 1, 2010 – September 30, 2010**

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**Work performed throughout the quarter:**

**Task 1 – Project Administration and Management**

Mason County Public Health (MCPH) prepared and submitted 2<sup>nd</sup> Quarter 2010:

- Quarterly report
- Payment vouchers
- Fiscal forms

**Task 2- O&M Enhancement**

- Parcel records of 1915 Hood Canal Shoreline parcels have been reviewed this quarter (with a total of 2415 records reviewed this year). Of those, 1617 will be updated in our O&M database, Carmody. The additional records that were reviewed were determined to be vacant.
- Edits for the O&M database have been tracked in an Excel file that updates the data in Carmody.
  - ✓ The data that has been edited include installation date, type of system, if records (as-builts) are available, and if the drainfield is less than 100 feet from surface water.
- 1617 reviewed records have been scanned and indexed into Land Records. 99 new septic permits were also scanned.

**Task 3- O&M Education**

- One OSS class was presented in SPANISH with WSU Extension staff on 09/19/2010 in Belfair.
- MCPH prepared for Lower Hood Canal Watershed Coalition Presentation.

**Task 4- Water Quality Monitoring**

MCPH attempted the first monitoring in July and ran into a few logistical problems including:

- Tidal level was too high to be above the marine water influence at the mouths of several streams
- MCPH did not have bottles to perform the nutrient monitoring

Due to these issues, MCPH only performed monitoring at a 4 streams during the month of July. This slight mishap, did allow MCPH to better understand when monitoring would be able to be performed based on tidal levels.

MCPH's first monitoring event was in August, which means the earliest that the 1<sup>st</sup> year monitoring could be complete is May of 2011. This will provide for 10 consecutive months worth of data collected from within a 12-month period.

Here is a summary of the monitoring results to date:

303(d) listed Stream	Site ID	GEO-MEAN	# of samples >100 FC	# of Samples	% of Samples >100FC	Exceeds WQ Standard*
Big Bend	BG-01	49.0	0	2	0%	NAP
Happy Hollow	HA-01	7.2	0	2	0%	NAP
Holyoake	HO-01	71.4	1	2	50%	Exceedance
Lilliwaup	LI-01	10.6	0	2	0%	NAP
Little Mission	LM-01	31.3	0	2	0%	NAP
Shoofly	SH-01	4.0	0	2	0%	NAP
Stimpson	ST-01	13.7	0	2	0%	NAP
Trails End	TE-01	94.9	1	2	50%	Exceedance
Deveraux	DE-01	62.4	2	3	67%	Exceedance
Mulberg	MU-01	14.0	0	3	0%	NAP
Twano Falls	TF-01	5.1	0	3	0%	NAP
Twano	TW-01	25.5	0	3	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.

#### Task 5- Septic System Sanitary Surveys

- MCPH continues to assist in the investigation of Potlatch State Park's LOSS.
- There have been seven repairs in the Hood Canal watershed, including four that were located along the Hood Canal shoreline.