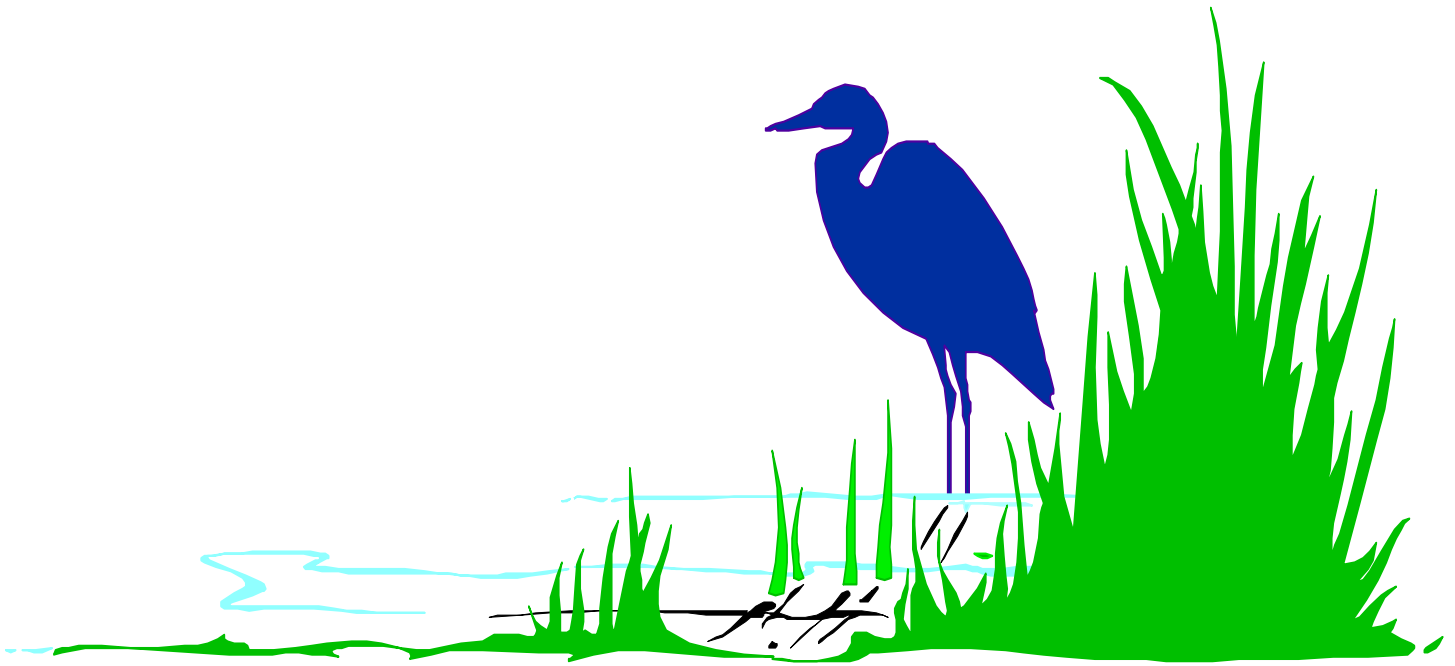


**Mason County Northshore Pollution Identification and
Correction Project**
Centennial Clean Water Fund
Grant # G1000122

3rd Quarter Report



July 1, 2010 – September 30, 2010

**Prepared for
Washington State Department of Ecology**

**Prepared by
Amy Georgeson**

Mason County Northshore Pollution Identification and Correction (NSPIC)

Grant # G1000122

Quarterly Report, July 1, 2010 – September 30, 2010

Work performed throughout the quarter:

Task 1 – Project Administration and Management

Mason County Public Health (MCPH) prepared and submitted 2nd Quarter 2010:

- Quarterly report
- Payment vouchers
- Fiscal forms

Task 2- Shoreline Survey/Water Quality Monitoring

MCPH staff has performed monitoring along approximately 11 miles along the Northshore of Hood Canal and taken approximately 200 samples. There has been noticeably fewer shoreline inputs along the Northshore compared to the West and South Shores. The Northshore has averaged 16 monitoring locations per mile, while there was an average of 42 monitoring locations per mile along the West and South Shores. MCPH hypothesizes that this is due to a number of factors which may include the time of year that monitoring has been performed, the substrate of the shoreline (gravelly) and the slope of the shoreline.

MCPH has also performed nutrient monitoring in one segment (DD) this past quarter. MCPH changed the proposed segments for nutrient monitoring due to a minimal amount of monitoring locations (shoreline discharge) in the segments that were originally selected.

Summary of Northshore Monitoring by Date

Date	# of FC samples	Elevated (>200) FC Samples	Repeat FC Samples	Elevated Repeat FC Samples	New Segments	Nutrients?
7/12/2010	15	0	0	0	Y	No
7/13/2010	17	1	0	0	Y	No
7/26/2010	10	1	0	0	Y - Z	No
7/27/2010	22	0	0	0	Z - AA	No
7/28/2010	7	0	0	0	AA	No
8/9/2010	14	1	3	1	AA- BB	No
8/23/2010	21	2	1	0	BB	No
8/24/2010	15	0	0	0	CC & EE	No
8/25/2010	9	0	0	0	EE	No
9/7/2010	22	2	1	1	DD	Yes
9/8/2010	29	5	2	1	DD	Yes
9/22/2010	19	0	0	0	DD	Yes
Totals	200	12	7	3	7 Segments	3 days

MCPH is entering a season of minimal shoreline monitoring due to tidal ranges in the winter. Low tides necessary for monitoring along the shoreline tend to fall in the middle of the evening through the end of the 4th quarter. MCPH hopes to perform monitoring on 3 or 4 days in the fourth quarter of 2010.

Task 3- Septic System Surveys

MCPH has identified 3 sites for sanitary surveys based on confirmation sample results. In addition, MCPH has been working on the following sites that were determined to have failing on-site septic system (OSS).

- MCPH identified one OSS failure from the shoreline. There was a cracked transport line under the structure, prior to reaching the septic tank. The structure was built out over the water. MCPH has notified the out of state homeowner and is waiting for a response.
- The owner of the property where the failure was previously identified, which was posted for non-occupancy last quarter, received a variance to install a holding tank at his recreational use property. The variance required a 1200 gallon tank with audio and visual alarms and an annual pumping. There was a notice to title that there is only a holding tank at the site. Also, building permits cannot be issued without installing a conforming drainfield. The holding tank has been installed; however the postings have not been removed because the alarms have not yet been installed in the tank. The homeowner informed MCPH that they have already winterized the structure and that there is no running water or electricity going to the structure. MCPH anticipates removing the postings next spring.

MCPH is currently working on prioritization of parcel data to identify sites for sanitary surveys. MCPH will utilize existing data, including type of OSS, installation date, last OSS service date, issues noted during the service event, previous Lower Hood Canal sanitary survey data, State Department of Health OSS data and OSS complaints.

Task 4- Public Outreach

- MCPH prepared for a presentation to the Lower Hood Canal Watershed Coalition.

MCPH is preparing for a presentation that is specific to the two Hood Canal grants.

MCPH hopes to have another public meeting, probably in Belfair during the 4th quarter.