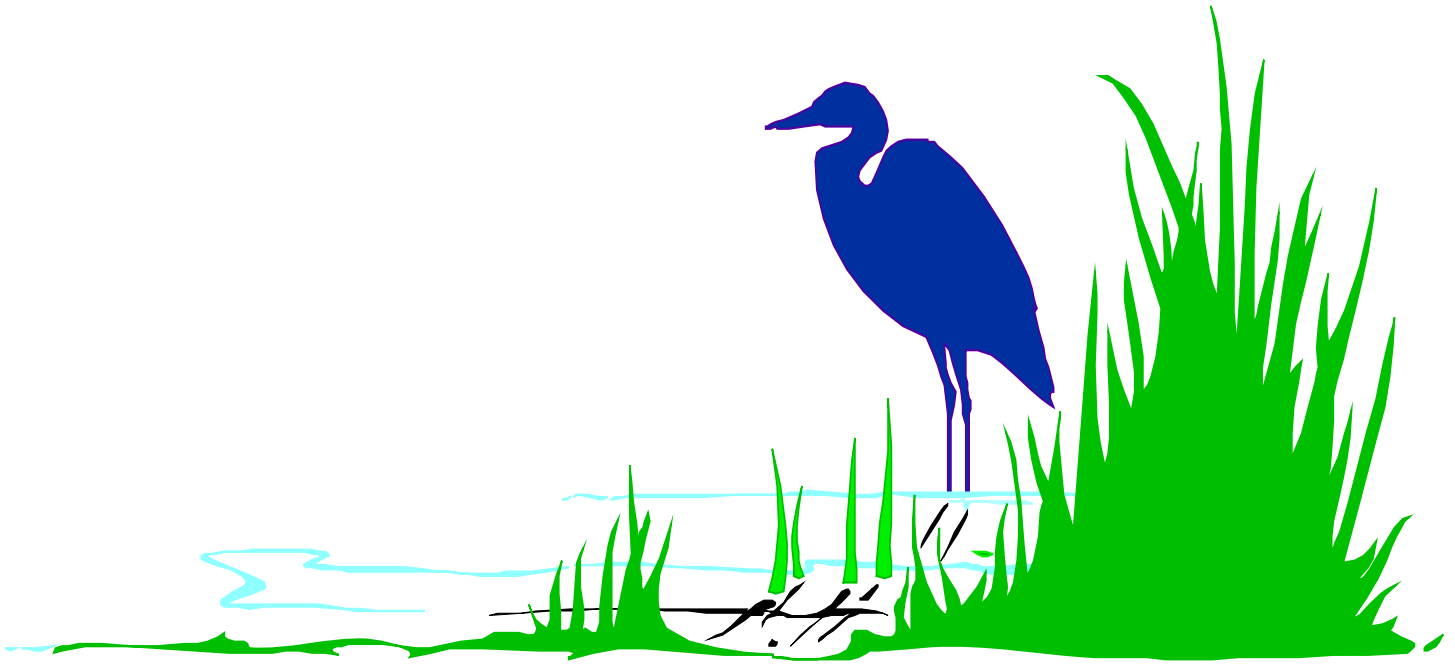


**Mason County Septic System Surveys
and Database Enhancement
Centennial Clean Water Fund
Grant # G0600378**

Quarterly Report: April 1, 2007 – June 30, 2007



**Prepared for
Washington State Department of Ecology**

**Prepared by
Mason County Public Health
Water Quality Program and
Onsite Sewage System Program**

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Work performed throughout the quarter

Task 1 – Project Administration and Management

Mason County administered and managed all aspects of the grant including attending regular staff meetings, WRIA 16 meetings and working on the quarterly report.

Task 2- Shoreline Survey

Mason County Water Quality's Hood Canal Pollution Identification and Correction (HCPIC) staff received notice on May 7, 2007, from the Dept. of Ecology (DOE) that the Quality Assurance Project Plan (QAPP) was acceptable and that sampling could begin. Staff began sampling the South Shore of Hood Canal, continuing where previous sampling funded by the Governor's proviso monies and Conservation District funds left off. This quarter, 311 sites have been sampled and 16 have had high Fecal Coliform (FC) hits. Confirmation FC sampling has been done on 9 of the high hit sites. Of the confirmed high hits, 6 were over 900 MPN of FC per 100mL of water, and therefore received nutrient analysis as well.

Task 3- Septic System Surveys

Following a high confirmation sample result, a Sanitary Survey is conducted. Of the 5 high confirmation hits, 3 have had Sanitary Surveys completed. The sites remaining to be surveyed are in various stages of investigation or seeking access. Some Sanitary Surveys are being/will be conducted at sites with high FC hits located prior to the May 7, 2007, sampling-authorization date. Of the completed Sanitary Surveys, one has had a dye trace completed with positive dye results and the property owner is currently meeting with a designer regarding a replacement.

Task 4- Public Outreach

Mason County Onsite Sewage System (Onsite) staff conducted an Operation & Maintenance (O&M) presentation with Washington State University Extension on April 2, 2007 at PUD#3. The Onsite staff as well as the Water Quality staff conducted an O&M presentation at Colony Surf Homeowners' annual meeting on June 15, 2007, at the Colony Surf community building. Water Quality staff participated in a water quality educational event on May 2, 2007, at Twanoh State Park with the students of Truman High School, Federal Way.

Water Quality staff regularly interacts with shoreline residents during the course of sampling events. Staff takes this opportunity to explain the HCPIC project and convey educational material. In addition, staff offers to send to the residents the shoreline water quality results near their property. This quarter, eight results letters have been sent to shoreline residents.

Task 5- Database Enhancement

Onsite staff flagged 3335 parcels with the designation of 1100 feet from Hood Canal shoreline in a new field created in the Carmody software named **Study Area**.

Carmody software was modified to allow reporting of parcels filtered by one or more of three different criteria: specific watershed, river drainage and study area. In addition, a report can be generated showing the onsite service history for selected parcels. 1816 onsite systems with the Hood Canal Study Area designation have had maintenance conducted since 2003.

Repairs/Replacement for the 2nd Quarter of 2007:

- 16191 Hwy 106 installed April '07
- 230 N Ayok Beach installed April '07
- Hoodsport Marina installed June '07

Next Steps

During this quarter (July 1, 2007 to September 30, 2007), we will continue to do follow up sampling and sanitary surveys at sites that had elevated fecal coliform levels. In addition, we will begin intensive nutrient sampling from Hoodsport to Alderbrook and the east shore south of Dewatto. We hope to have at least one public meeting during this quarter. We will also continue to utilize the newly added functions in the Carmody database.