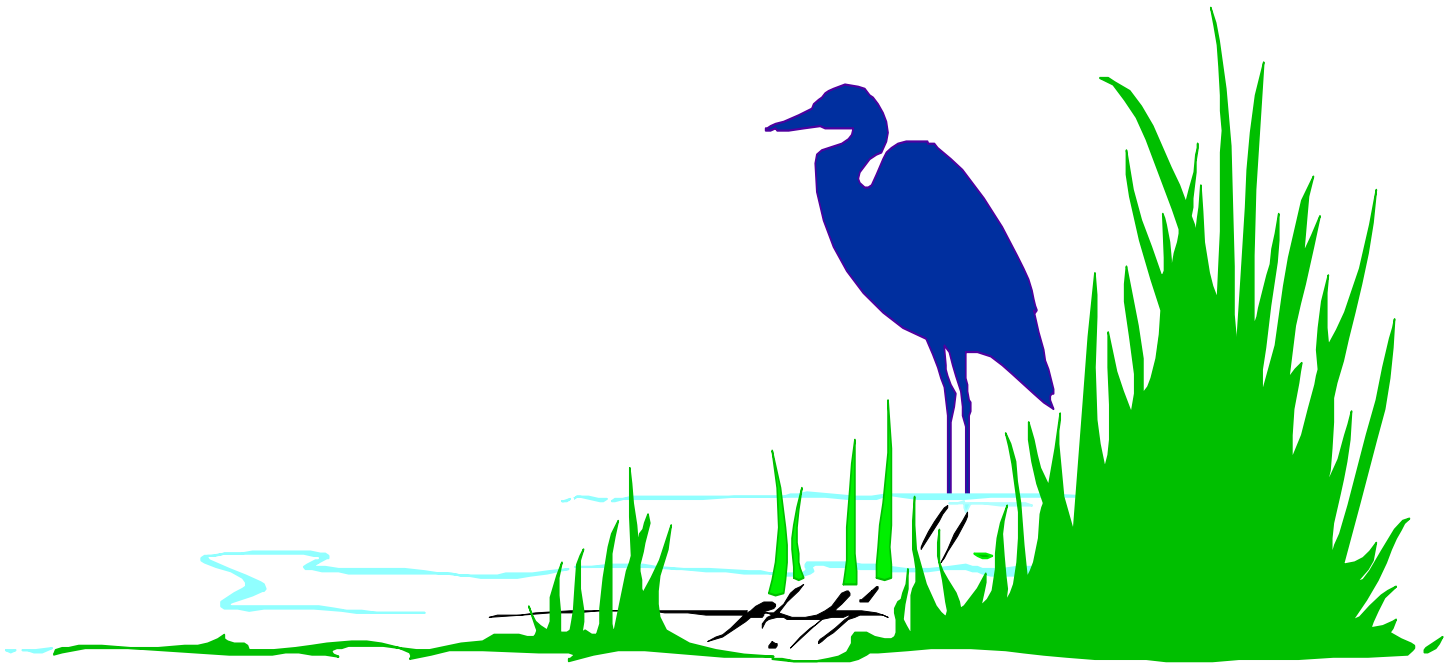


**Mason County Hood Canal Marine Recovery Area On-site
Septic System Discovery and Pollution Abatement Project**
Centennial Clean Water Fund
Grant # G1000278

1st Quarter Report



January 1, 2010 – March 31, 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, January 1, 2010 – March 31, 2010

Work performed throughout the quarter:

Task 1 – Project Administration and Management

Mason County Public Health (MCPH) prepared and submitted the 4th quarter 2009 report.

Task 2- O&M Enhancement

Mason County Public Health identified ~6546 parcels within the study area. All of these parcel files will be pulled, the records will be verified including whether the OSS is within 100' of surface water and if they have an as-built record. This information will be incorporated into MCPH's Carmody Operation and Maintenance Database. Then the environmental health records will be scanned and eventually made available to public via the internet. MCPH anticipates initiating pulling parcel files during the second quarter 2010.

MCPH identified parcels that have already been scanned that are located within the Hood Canal Study area.

Task 3- O&M Education

No work was performed under this task.

Task 4- Water Quality Monitoring

- MCPH researched analysis costs from several different labs.
- MCPH turned in the draft QAPP to the Department for this project on 2/24/10.
- Comments were received on the draft QAPP from the Department on 3/22/10.
- MCPH made corrections and comments and resubmitted the QAPP to the Department on 3/23/10.
- MCPH purchased the following equipment to complete work under this grant:
 - GPS Unit: Juno SB GPS/Camera Unit (\$741)
 - GPS software: TerraSync Professional (\$1165)
 - GPS/GIS interface software (1 floating license) (\$535)
 - YSI Multi-Parameter Meter, Cable and Probe (\$2639) and
 - A Flow Meter (\$775)
- MCPH created an EIM and GIS friendly excel database, which will be used to added current monitoring data into GIS and will allow for easier download into EIM.
- MCPH created data dictionaries within the Juno unit, which will allow for standardized collection of monitoring location information when in the field. These data dictionaries will then feed back into the MCPH EIM/GPS database.
- MCPH familiarized itself with the workings of the new GPS units.
- Staff attended a Managing Nutrients EPA webinar.

- Staff updated the MCPH website to include 303(d)/Camody grant information, which can be found here:

http://www.co.mason.wa.us/health/envhealth/surface_water/hood_canal_stream_monitoring.php

- Staff provided input and feedback on the HCWEN PSSH campaign, the HCCC Stormwater/Landuse technical advisory committee and the WRIA 16 Hood Canal wide monitoring inventory that is being compiled by Herrera Environmental.
- Staff provided MCPH related information to WA DOH regarding Hood Canal #9.

Task 5- Septic System Sanitary Surveys

- MCPH has created a GIS data layer for the Onsite Septic Systems (OSS) within the study area.
- MCPH created a GIS data layer that included information related to the last OSS service event.
- MCPH delineated parcels within the study area including those parcels that are developed or have an OSS.
- MCPH has created summary statistics relating to the OSS within the study area. This information will be used to prioritize sanitary surveys and help identify segments where there is the highest potential for fecal coliform pollution to be entering the marine water, based on the age of installation of the OSS and the most recent OSS inspection.
- MCPH investigated Potlatch State Park's LOSS, based on concerns from the Skokomish Tribe regarding elevated fecal coliform levels in Potlatch Creek from 2004 to current.