

San Juan Islands Conservation District

To: Brandi Lubliner, Department of Ecology
From: Linda Lyshall and Mitch Lesoing
Date: 6/30/2015
Re: Quarterly Report – Project Management Status Update

San Juan Island site: 006 OUGA

Name: False Bay Creek West Fork.

Staff gauge coordinates at Index: 48.526210, -123.099040

SJICD sampled this site in April, May and June 2015. The seasonal flow is greatly reduced and very low. The site remains accessible, wadeable and safe for the collection of water samples, stage measure, insitu and flow measurements. The staff gauge is stable, elevation is unchanged with the location serviceable. Alternate stream profile transect was located upstream with adequate water depth for meter, however, flow was below detection limits for the meter. Alternate method for measuring flow ("timed float") was employed. Stream flow discharge was calculated on 15 June 2015 at 0.22 cfs and on 18 June 2015 at 0.11 cfs. Real-time follow-up communication assuring sample delivery and pick up with airline carrier and Edge Analytical to meet QAPP time/temperature matrix for bacteria sample continues to be required.

Suitability:

Net flow remained unidirectional at the index. Side channel near the mouth of the culvert is completely dry and the reach from the culvert mouth to the staff gage remains clear of obstructions during this quarter's work. Measuring flow with the Swoffer 2100 at the original location below the staff gage is not feasible. Stream profile transect and flow measurements are relocated 8 meters upstream of the gage. Water quality samples are taken near the mouth of the culvert. Anticipate continued low flow rate for the next several months. Staff gage is silted up slightly at the base. (This condition is described and documented in the field observation notes.*)

Access:

Will arrange for vehicle parking permission above the site for the USGS crew in July.

Monitoring Plan:

Additions to monitoring beginning in July include the following:

- Utilize 2nd stream profile location 8 to 10 meters upstream from current location.
- Incorporate alternate "Mid-stream velocity using timed float" method for determining velocity and calculating discharge.
- Explore feasibility of constructing temporary weir "insert" at the Town of Friday Harbor's Aux. pump station #2 weir structure that will enable using timed bucket-filling method for determining discharge.
- Will discuss remediation of the sediment deposition at the staff gage base with the USGS team in July.

Deliverable 3.3

All water quality grab samples are complete for MEL and EDGE Analytical. All samples were received within laboratory holding times and within temperature requirements. This included a complete replicate sample set in May and MS/MSD samples in April. All coolers have arrived intact with no breakage as per QAPP/ COC requirements. In situ field data report forms, Quanta calibration sheet, discharge worksheets and general field notes for April, May and June are attached as PDFs.