

Appendix D - Mason County Specific Watercourse Concerns

Lilliwaup Creek -

- Category 5 - fecal coliform (listing 9889).
- The Lilliwaup Creek sub-basin consists of forested timberland. Lilliwaup Creek is ~7 miles long. There are less than 25 known developed parcels located near the mouth of this creek. No developed sites of concern have been identified.
- The bay that Lilliwaup Creek flows into is also listed as Hood Canal (South) category 5 - fecal coliform (listing 40227).
- The WA Department of Health (DOH) Shellfish Program lists Lilliwaup Bay as unclassified.

Big Bend Creek -

- Category 5 - fecal coliform (listing ID 45568).
- The Big Bend Creek sub-basin is mostly undeveloped. Big Bend Creek is approximately a mile in length. The development that exists is near to the mouth of the creek. In the upper reach it passes through mostly forested land. Almost of all of the development adjacent to the creek is within the 1000' of the mouth of the creek. There are less than 30 known developed parcels along this creek. There is a mobile home/trailer park near the mouth of this creek this is of interest.
- The WA DOH Shellfish Program lists the area that Big Ben Creek flows into as conditionally approved. This is due in part to the Alderbrook sewer outfall located to the East of the mouth of this creek.

Twanoh Creek -

- Category 5 - fecal coliform (listing ID 6961).
- Twanoh Creek sub-basin consists of completely undeveloped forested land owned either by the State of Washington or Green Diamond Resources, except for Twanoh State Park, which is located at the mouth of the creek. Twanoh Creek is ~ 1.5 miles long. The drainfield for Twanoh State Park is located at the top of a hill and is, at it's closest, over 800' away from Twanoh Creek. However, the transport lines for the system run along and under the creek. Twanoh State Park was found to have a failing large onsite septic system in 2005, which was repaired the following year. Currently, there are no sites of concern along this creek.
- The marine water ~1000' east of the mouth of Twanoh creek is listed as category 2 for fecal coliform (listing ID 39826).

Twanoh Falls Creek -

- Category 5 - fecal coliform (listing ID 6964).
- Category 2 - pH (listing ID 7602)
- The Twanoh Falls Creek sub-basin consists of some development in the lower reaches and forested land in the upper reaches. The creek is ~1.7 miles long, with all of the development located within the ~0.6 miles. There are less than 30 known developed parcels directly adjacent to the creek. Twanoh Falls Homeowners Association and the related development is of some concern, even though for the most part it is not directly adjacent to the creek. The reason it is of concern is due to the density of development, which is located on a hillside, which mostly drains towards Twanoh Falls Creek or Hood Canal. There are ~ 175 developed parcels within the Twanoh Falls Development. All of those parcels are on individual septic systems.

- The nearest marine water concern is located at the mouth of the next little unnamed drainage ~800' to the east of Twanoh Falls Creek. WA DOH has a 200' closure zone around this drainage, as a result of elevated levels of fecal coliform results. The unnamed drainage originates in the Twanoh Falls Development and although the creek is not going to be included in the monitoring plan, it is feasible that corrective action that occurs within the development would have a positive impact on this drainage as well.

Mulburg Creek -

- Category 5 - fecal coliform (listing ID 45581).
- Mulburg Creek sub-basin consists of a mixture of development and forested or cleared lands. The creek is ~1.5 miles in length. There is ~15 developed parcels in near the mouth of the stream. Moving upstream, the creek then passes through some forested land and additional development. There is less dense development located in the upper reaches of the stream.
- There are no known fecal coliform concerns in the marine water.

Happy Hollow Creek -

- Category 5 - fecal coliform (listing ID 40619).
- Happy Hollow Creek sub-basin is mostly timber or cleared land with a small amount of development near the mouth. The creek is ~1.1 miles long. There are less than 20 known developed parcels adjacent to the creek. There is a store located adjacent to the creek on the south side of SR 106, which was identified as having a failing septic system in 2007. The system was repaired in 2007.
- There are no known fecal coliform concerns in the marine water.
- Note: This creek is currently not included in the attached map because the search criteria to identify the creeks of concern were identified from the Department's TMDL simple query tool based on the Hood Canal Action Area. Happy Hollow Creek is listed under the South Puget Sound Action Area, so it did not show up in the query.

Holyoke Creek -

- Category 5 - fecal coliform (listing ID 6965).
- The Holyoke sub-basin consists of forest land and development. The creek is ~2.5 miles in length, of which, ~1.5 miles flows through forested land. There is development located at the mouth (~6 parcels) and in the upper reaches (~10 parcels) of Holyoke Creek. Also, it appears that Trails End Lake drains both into Holyoke and Trails End Creek. Trails End Lake has dense development directly adjacent to its shorelines. If Trails End Lake appears to be the source of pollution, correction of that pollution will not be performed under this grant proposal.
- Marine water at the mouth of Holyoke Creek is designated as category 2 - fecal coliform (listing ID 39831).

Trails End Creek -

- Category 5 - fecal coliform (listing ID 6966)
- The Trails End Creek Sub-basin consists of forestland and development. There are a lot of created parcels within the drainage area that are not currently developed. There are ~3 developed parcels at the mouth and ~10 developed parcels in the upper reaches of Trails End Creek. The creek is ~1.7 miles long. From the aerial photos the creek does not appear to actually originate in Trails End Lake, further field investigation is needed to verify if this is correct.
- There are no known fecal coliform concerns in the marine water.

Deveraux Creek -

- Category 5 - fecal coliform (listing ID 45567).
- Category 2 - pH (listing ID 51350)
- The Deveraux Creek sub-basin consists of mixed forest and development. There are less than 20 developed parcels adjacent to the creek. The creek originates in Lake Deveraux. The creek is ~1.45 miles long. Lake Deveraux is mostly undeveloped-forested land. There are eleven developed parcels adjacent to the shoreline and a girl-scout camp.
- Marine water at the mouth of Deveraux Creek is listed as category 5- fecal coliform (listing ID6939). In addition, DOH classifies the shellfish harvesting area at the mouth of Deveraux Creek as prohibited.

Little Mission Creek -

- Category 5 - fecal coliform (listing ID 6962).
- The Little Mission Creek sub-basin is has a mixture of development within the lower ~0.6 miles of the creek and forested land in the upper reaches of the creek. There are ~10 developed parcels directly adjacent to the creek. Little Mission Creek's headwaters originate in a forested wetland area and flow ~3.6 miles down to Hood Canal. Little Mission Creek flows through Belfair State Park before entering Hood Canal.
- Marine water at the mouth of Little Mission Creek is listed as category 5 for fecal coliform (listing ID 6940).

Stimpson Creek -

- Category 5 - fecal coliform (listing ID 6959)
- Category 2 - fecal coliform (listing ID 42769)
- The Stimpson Creek sub-basin is almost completely undeveloped, forested land. The creek is ~3 miles in length and originates in a forested wetland area. There are ~4 developed parcels within ~0.2 miles of the mouth of the creek, while the rest of the creek is undeveloped. Elfendahl Pass Rd parallels the creek, however the ~1.85 miles of the road is now permanently closed due to flooding from flooding of 2007. This limits the access to the creek. In the past, Mason County did have some problems with illegal garbage dumping from Elfendahl Pass RD. Wildlife waste may play a critical role in the fecal coliform loading in this stream.
- Marine water at the mouth of Stimpson Creek is listed as category 5 for fecal coliform (listing ID 6941). Although WA DOH classifies the shellfish beds as approved, they have reported elevated levels of fecal coliform in the marine water at the mouth of Stimpson Creek. Mason County and DOH have done some preliminary investigations around the creek and have not been able to identify any obvious sources of contamination.

Shoofly Creek -

- Category 5 - fecal coliform (listing ID 6960)
- The Shoofly Creek sub-basin is mostly undeveloped, although there is a small amount of development at the mouth of the creek. The creek is ~1.8 miles in length. There are less than ten developed parcels directly adjacent to Shoofly Creek, mostly located near the mouth. The rest of the area is forested.
- There are no known fecal coliform pollution concerns in the adjacent marine water.