

United States Department of the Interior

U.S. Geological Survey

USGS Washington Water Science Center

934 Broadway, Suite 300
Tacoma, Washington 98402
(253) 552-1600. FAX (253) 552-1581
<http://wa.water.usgs.gov/>

February 20, 2020

To: Keunyea Song, SAM coordinator
Washington State Department of Ecology, Olympia, WA

From: Richard W. Sheibley
Research Hydrologist, Washington Water Science Center, Tacoma, WA

Subject: First quarter update of USGS level logger maintenance

This memo summarizes and documents the first round of site visits for the 35 Puget Small Streams (PSS) SAM sites being sampled in water year 2020. The first round of site visits took place from the end of January to end of February. For the most part, all loggers were found, and data downloaded successfully. There were a few sites with complications.

The two reference sites, Griffin and Holder Creeks, had large floods and the conductivity and water level loggers were missing or buried. The water level loggers were replaced with new ones within a few weeks, however, there is not an excess supply of conductivity sensors. These loggers might be able to be recovered before then end of the water year and an update will follow.

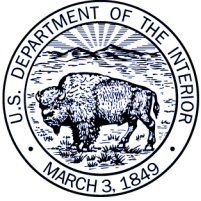
At Coal creek (001-WUGA), the level logger was buried during a big winter storm. Revisits will focus on replacing and finding this sensor.

At McSorley Creek (002-WUGA), the conductivity sensor was lost, but water level logger still in place.

At West Hylebos Creek (005-WUGA), the water level logger was missing and replaced with a second one. Revisits will focus on finding the original one.

All other sensors were found intact and data downloaded.

Please feel free to contact me at any time with questions about this quarterly summary or any other project related issues.



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May 30, 2020

To: Keunyea Song, SAM coordinator

Washington State Department of Ecology, Olympia, WA

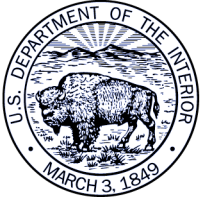
From: Richard W. Sheibley

Research Hydrologist, Washington Water Science Center, Tacoma, WA

Subject: Second quarter update of USGS level logger maintenance

This memo summarizes and documents the second round of site visits for the 35 Puget Small Streams (PSS) SAM sites being sampled in water year 2020. The second round of site visits took place during April and May 2020. Sensors were found and downloaded at all sites. In addition, the sensor missing from Coal Creek (001-WUGA) was found and reset during these visits.

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Reporting period April to June 2020

To: Keunyea Song, SAM coordinator

Washington State Department of Ecology, Olympia, WA

From: Richard W. Sheibley

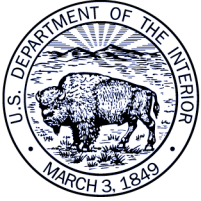
Research Hydrologist, Washington Water Science Center, Tacoma, WA

Subject: Quarterly update of USGS level logger maintenance

This memo summarizes and documents the level logger download and maintenance work done during the 3rd quarter of water year 2020, from April 1 through June 30th, 2020.

No water sensors were lost during this time period and all site visits resulted in successful data downloads and redeployment. Site access and permissions were verified prior to summer sampling trips.

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Reporting period July to September, 2020

To: Keunyea Song, SAM coordinator

Washington State Department of Ecology, Olympia, WA

From: Richard W. Sheibley

Research Hydrologist, Washington Water Science Center, Tacoma, WA

Subject: Quarterly update of USGS level logger maintenance

This memo summarizes and documents the level logger download and maintenance work done during the 4th quarter of water year 2020, from July 1 through September 30, 2020.

During this time period, all 33 Puget Small Streams sites were visited during the summer watershed health measurement. All sensors were downloaded except for the water sensor on DesMoines Creek (095WUGA; PSS05515-030323) that was missing. After the data were downloaded, all sensors were redeployed to collect data until the end of the water year, September 30, 2020.

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