



King County

Department of Natural Resources and Parks
Water and Land Resources Division

Environmental Laboratory

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To: Brandi Lubliner, DOE
From: Colin Elliott
Subject: Field Activities for RSMP Streams - 1st Quarter, 2015

The following narrative summarizes the sample collection, field measurements and observations done at the WQ sites between January 23 and February 26, 2015. King County is scheduled to collect the March samples on the 30th and 31st, thus they are not included in this summary.

1. Site Summary

January, 2015

Location ID	Collection Date and Time	Additional notes
0036-WUGA	1/26/2015 10:00	Transfer/filter blanks collected at this site
0001-WUGA	1/26/2015 10:45	
0055-WUGA	1/26/2015 11:39	
0003-WUGA	1/26/2015 12:42	
0048-WUGA	1/26/2015 13:54	
0009-WUGA	1/26/2015 14:32	
0050-WUGA	1/26/2015 15:31	
0072-OUGA	1/27/2015 9:53	
0038-OUGA	1/27/2015 10:44	Field replicate collected at 11:03
0011-OUGA	1/27/2015 12:25	
0039-OUGA	1/27/2015 13:26	
0018-WUGA	1/27/2015 14:27	
0002-WUGA	1/28/2015 9:08	Field replicate collected at 9:17
0042-WUGA	1/28/2015 10:07	
0034-WUGA	1/28/2015 11:06	
0008-OUGA	1/28/2015 12:19	
0045-OUGA	1/28/2015 13:35	
0024-OUGA	1/28/2015 15:00	
0040-WUGA	1/28/2015 15:35	
0036-WUGA	1/26/2015 9:20	

February, 2015

Location ID	Collection Date and Time	Additional notes
0038-OUGA	2/23/2015 9:01	
0055-WUGA	2/23/2015 9:02	
0003-WUGA	2/23/2015 9:46	
0011-OUGA	2/23/2015 10:18	
0048-WUGA	2/23/2015 10:51	
0039-OUGA	2/23/2015 11:15	
0009-WUGA	2/23/2015 11:28	
0018-WUGA	2/23/2015 11:49	
0050-WUGA	2/23/2015 12:13	
0072-OUGA	2/24/2015 0:00	Interlab comparison sample site. Site moved downstream relative to the January event.
0024-OUGA	2/24/2015 0:00	Interlab comparison sample site
0040-WUGA	2/24/2015 0:00	
0045-OUGA	2/24/2015 0:00	Interlab comparison sample site
0008-OUGA	2/24/2015 0:00	
0036-WUGA	2/24/2015 8:48	Interlab comparison sample site
0002-WUGA	2/24/2015 9:58	Interlab comparison sample site
0042-WUGA	2/24/2015 11:02	Interlab comparison sample site
0034-WUGA	2/24/2015 11:57	
0074-OUGA	2/24/2015 13:35	New site added for February
0001-WUGA	2/24/2015 14:40	

Interlab comparison samples were sent to the Manchester lab on February 24 under work order # 1502031.

2. Field Measurement Calibration and Quality Control Results

- a. All pre-deployment calibration and related QC checks were performed at the proper frequency and all results were acceptable.
- b. The precision of the field replicates and the accuracy of all post-deployment check standards were acceptable except for the pH measurements done at sites 0038-OUGA, 0011-OUGA, 0039-OUGA and 0018-WUGA during the February 23 event. The check standard done in the field and the end check done at the lab both showed low responses for pH. The pH values reported for these 4 sites have been qualified with an EST flag in the EIM data file.

3. Additional Issues

- a. At site 008-OUGA (Stonequarry Creek) no staff plate was available to install during the January sampling event so no stage height was taken. Should this be added as an observation in the EIM file before data is entered?
- b. Flow measurements at sites 0074-OUGA and 0034-WUGA will be taken from the permanent flow gages near those sites. The gage # has been entered in the result comment field of the EIM file.
- c. Transfer and field filtration blanks were prepared at Site 0036-WUGA on January 26. All results were below the KCEL detection limit with the exception of Naphthalene which was detected just above the detection limit of 0.0048 ug/L. A bottle blank will be prepared and analyzed in March to confirm that the observed contamination was not due to the sample container.