



King County

Department of Natural Resources and Parks
Water and Land Resources Division

Environmental Laboratory

LAB-NR0100
322 West Ewing Street
Seattle, WA 98119-1507
206-684-2300 Fax 206-684-2395
TTY Relay: 711
<http://dnr.metrokc.gov/wlr/envlab/>

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To: Brandi Lubliner, DOE
From: Colin Elliott
Subject: Field Activities for RSMP Streams – 3rd Quarter, 2015
Project #: SIC: F92AA

The following narrative summarizes the sample collection, field measurements and observations done at the routine WQ sites between June 29 and August 25, 2015. A separate narrative will be created for the WHM sediments and related water samples collected during the 3rd quarter.

1. Site Summary

June, 2015

Location ID	Collection Date and Time	Additional notes
0055-WUGA	6/29/2015 9:18	
0003-WUGA	6/29/2015 10:17	
0003-WUGA	6/29/2015 10:22	Field replicate
0048-WUGA	6/29/2015 11:30	
0009-WUGA	6/29/2015 12:15	
0050-WUGA	6/29/2015 13:10	
0001-WUGA	6/29/2015 9:15	
0038-OUGA	6/29/2015 10:34	
0039-OUGA	6/29/2015 11:55	
0018-WUGA	6/29/2015 12:40	
0018-WUGA	6/29/2015 12:50	Field replicate
0036-WUGA	6/30/2015 8:30	
0002-WUGA	6/30/2015 9:37	
0042-WUGA	6/30/2015 10:20	
0042-WUGA	6/30/2015 10:37	Field replicate
0034-WUGA	6/30/2015 11:33	
0074-OUGA	6/30/2015 12:24	
0008-OUGA	6/30/2015 9:05	
0045-OUGA	6/30/2015 10:20	
0045-OUGA	6/30/2015 10:25	Field replicate
0040-WUGA	6/30/2015 11:41	
0024-OUGA	6/30/2015 12:29	
0072-OUGA	6/30/2015 13:11	

July, 2015

Location ID	Collection Date and Time	Additional notes
0055-WUGA	7/27/2015 8:50	Fecal Coliform recollected 7/29/2015 14:05
0003-WUGA	7/27/2015 9:35	Fecal Coliform recollected 7/30/2015 5:20
0048-WUGA	7/27/2015 10:15	Fecal Coliform recollected 7/30/2015 5:40
0009-WUGA	7/27/2015 10:45	Fecal Coliform recollected 7/30/2015 5:52
0050-WUGA	7/27/2015 11:27	Fecal Coliform recollected 7/30/2015 12:00
0001-WUGA	7/27/2015 9:12	Fecal Coliform recollected 7/29/2015 13:40
0038-OUGA	7/27/2015 10:50	Fecal Coliform recollected 7/29/2015 15:00
0039-OUGA	7/27/2015 12:16	Fecal Coliform recollected 7/29/2015 14:16
0018-WUGA	7/27/2015 13:09	Fecal Coliform recollected 7/29/2015 13:50
0036-WUGA	7/28/2015 8:15	
0002-WUGA	7/28/2015 9:22	
0042-WUGA	7/28/2015 10:17	
0034-WUGA	7/28/2015 11:11	
0074-OUGA	7/28/2015 11:34	
0008-OUGA	7/28/2015 13:33	
0045-OUGA	7/28/2015 11:47	
0040-WUGA	7/28/2015 10:40	
0040-WUGA	7/28/2015 10:46	Field replicate
0024-OUGA	7/28/2015 9:50	
0072-OUGA	7/28/2015 9:12	

August, 2015

Location ID	Collection Date and Time	Additional notes
0055-WUGA	8/24/2015 9:07	
0003-WUGA	8/24/2015 9:10	
0048-WUGA	8/24/2015 11:12	
0009-WUGA	8/24/2015 11:52	
0050-WUGA	8/24/2015 12:55	
0009-WUGA	8/24/2015 11:58	Field replicate
0001-WUGA	8/24/2015 8:25	
0038-OUGA	8/24/2015 9:50	
0039-OUGA	8/24/2015 11:12	
0018-WUGA	8/24/2015 11:50	
0036-WUGA	8/25/2015 8:50	
0002-WUGA	8/25/2015 9:50	
0042-WUGA	8/25/2015 10:40	
0034-WUGA	8/25/2015 11:37	
0074-OUGA	8/25/2015 12:00	
0008-OUGA	8/25/2015 8:26	
0045-OUGA	8/25/2015 9:52	
0040-WUGA	8/25/2015 10:51	
0024-OUGA	8/25/2015 11:26	
0072-OUGA	8/25/2015 12:00	

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 also all acceptable.
3. Additional Issues
 - a. 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.
 - b. Site 0008-OUGA is a braided stream with 2 distinct channels. Flow measurements are done in both and then summed for the reported value. Only one staff gage is installed, in the right channel.
 - c. A significant power outage occurred at the King County Lab on the evening of July 27. This caused the incubators used for the fecal coliform analyses to cool beyond the acceptable temperature range for all samples collected that day. The nine sites that were impacted were re-collected and analyzed for fecal coliforms on July 29 and 30.