

13a.

Letter to Colin Lund, Yarrow Bay from
Robert Plotnikoff, Tetra Tech
January 30, 2014



TETRA TECH

January 30, 2014

Colin Lund
YarrowBay
10220 NE Points Drive, Suite 310
Kirkland, WA 98033

RE: Updated Graphs in Tetra Tech's 2012-2013 Pre-Construction Stormwater Monitoring Report dated November 2013 (Revised January 2014)

Dear Colin:

Tetra Tech has updated the graphs comparing water level in Rock Creek with timing of precipitation in the attached 2012-2013 Pre-Construction Stormwater Monitoring Report dated November 2013 (Revised January 2014). Specifically, the following graphs were updated: (1) Figure 12 on page 13, (2) Figure 19 on page 17, (3) Figure 26 on page 21, (4) Figure 33 on page 25, (5) Figure 40 page 29, and (6) Figure 47 on page 33. The graphs in the original 2012-2013 Pre-Construction Stormwater Monitoring Report dated November 2013 included hourly precipitation quantities reported using Greenwich Mean Time (GMT) instead of local time (which is 8 hours behind local time). The revised figures show hourly precipitation based on local time.

The adjustment of precipitation backward by 8 hours changed two of the 24 hour total rainfall estimates for storm events: January 23, 2013 was 0.09 inches and is now 0.15 inches (page 21) and April 4, 2013 was 0.15 inches and is now 0.18 inches (page 33). While these represent increased rainfall totals from values originally reported, the updated graphs do not change any of Tetra Tech's general observations reported for stormwater monitoring and ambient monitoring during the 2012 - 2013 water year.

Please contact me with any follow up questions.

Lead Investigator

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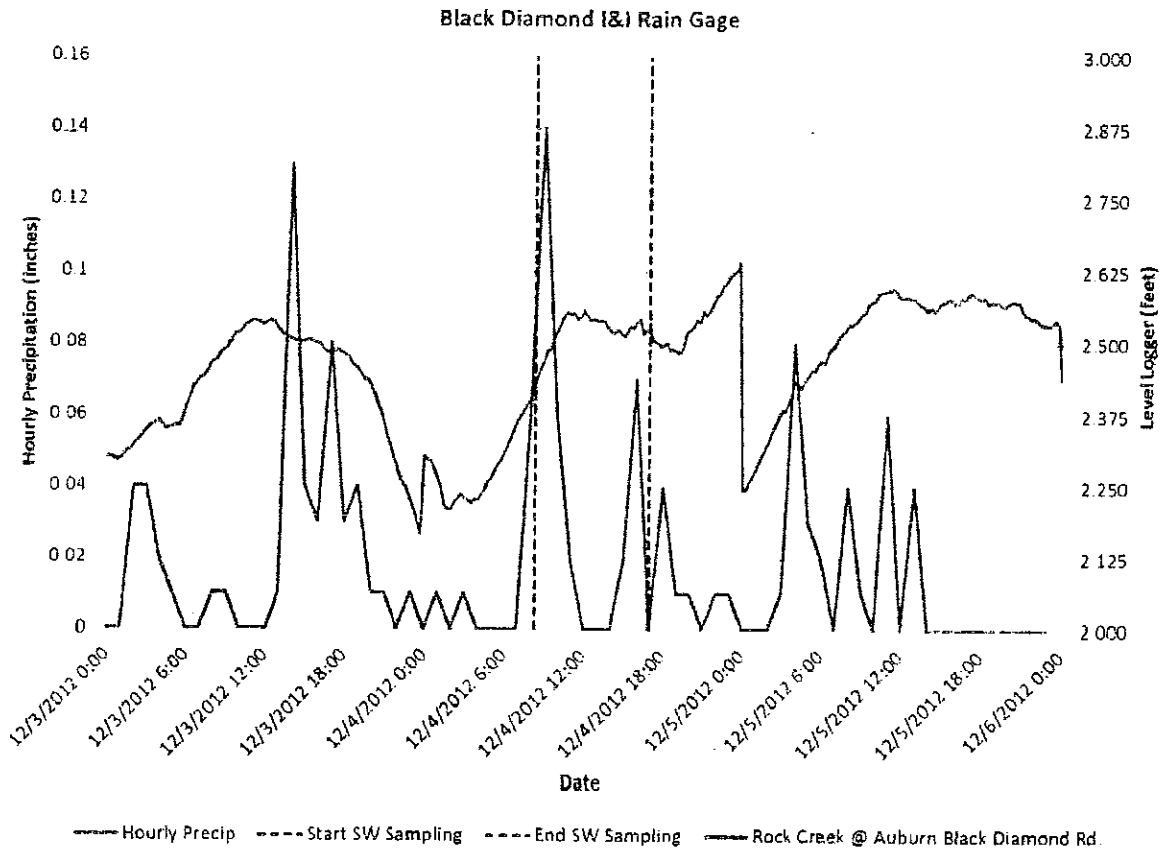


Figure 12. Precipitation at the Black Diamond I&I Rain Gage for the December 4, 2012 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road

Water quality data from laboratory analysis from the December 4, 2012 storm event are presented in Appendix 1, Table A1. A comparison of TP, SRP, and TSS results among sites are shown in Figures 13-18.

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2.2 Stormwater Results: Storm Event Sampling (December 17, 2012)

A second set of stormwater samples were collected on December 17, 2012 from 09:15 through 18:15. Figure 19 reports precipitation at the Black Diamond I&I rain gage (operated by King County) during the sampling event with corresponding water levels (level logger records) at the Rock Creek at SE Auburn Black Diamond Road. Precipitation for December 17, 2012 (for the 24 hour period) totaled 0.49 inches.

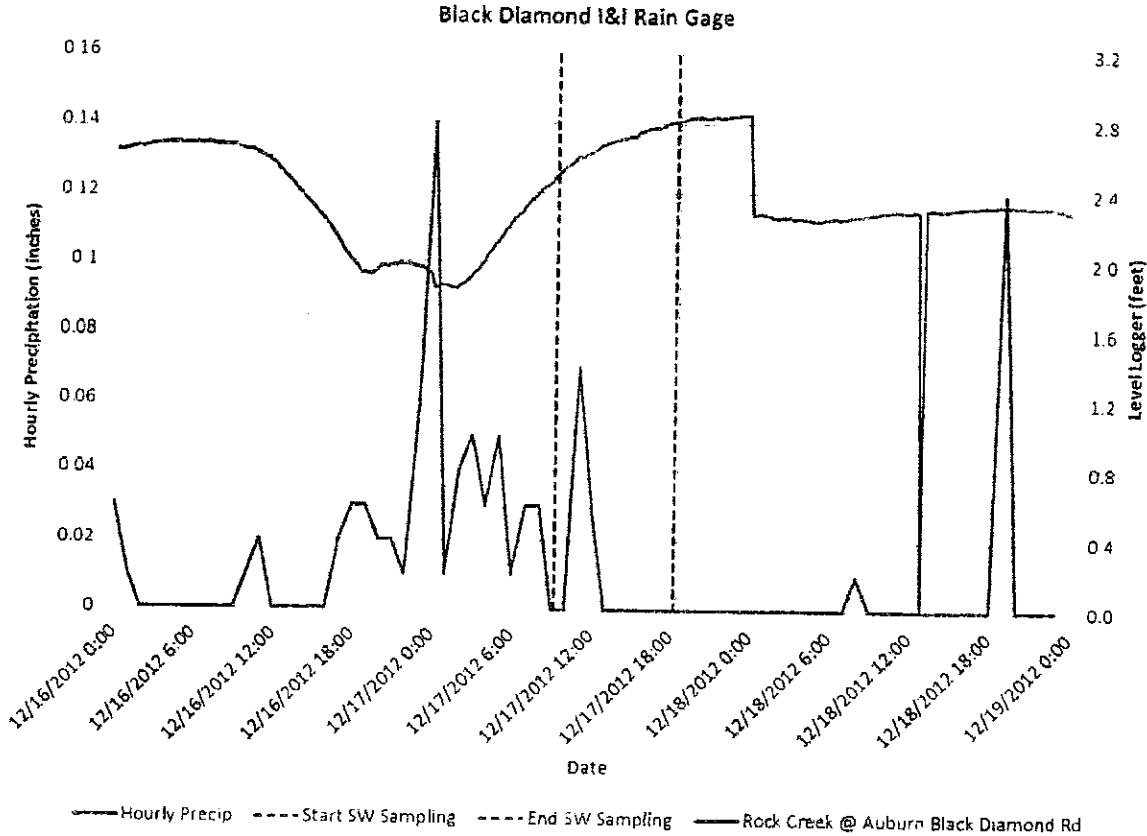


Figure 19. Precipitation at the Black Diamond I&I Rain Gage for the December 17, 2012 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road

Water quality data from laboratory analysis for the December 17, 2013 storm event are presented in Appendix 1, Table A2 and field water quality measurements are reported in Table A3. A comparison of TP, SRP, and TSS results among sites are found below in Figures 20-25.

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2.3 Stormwater Results: Storm Event Sampling (January 23, 2013)

Stormwater samples were collected from 10:10 to 19:45 on January 23, 2013. Figure 26 shows precipitation at the Black Diamond I&I rain gage (operated by King County) during the sampling event compared to water level recorded in Rock Creek at SE Auburn Black Diamond Road. Precipitation for January 23, 2013 (for the 24 hour period) totaled 0.09 inches.

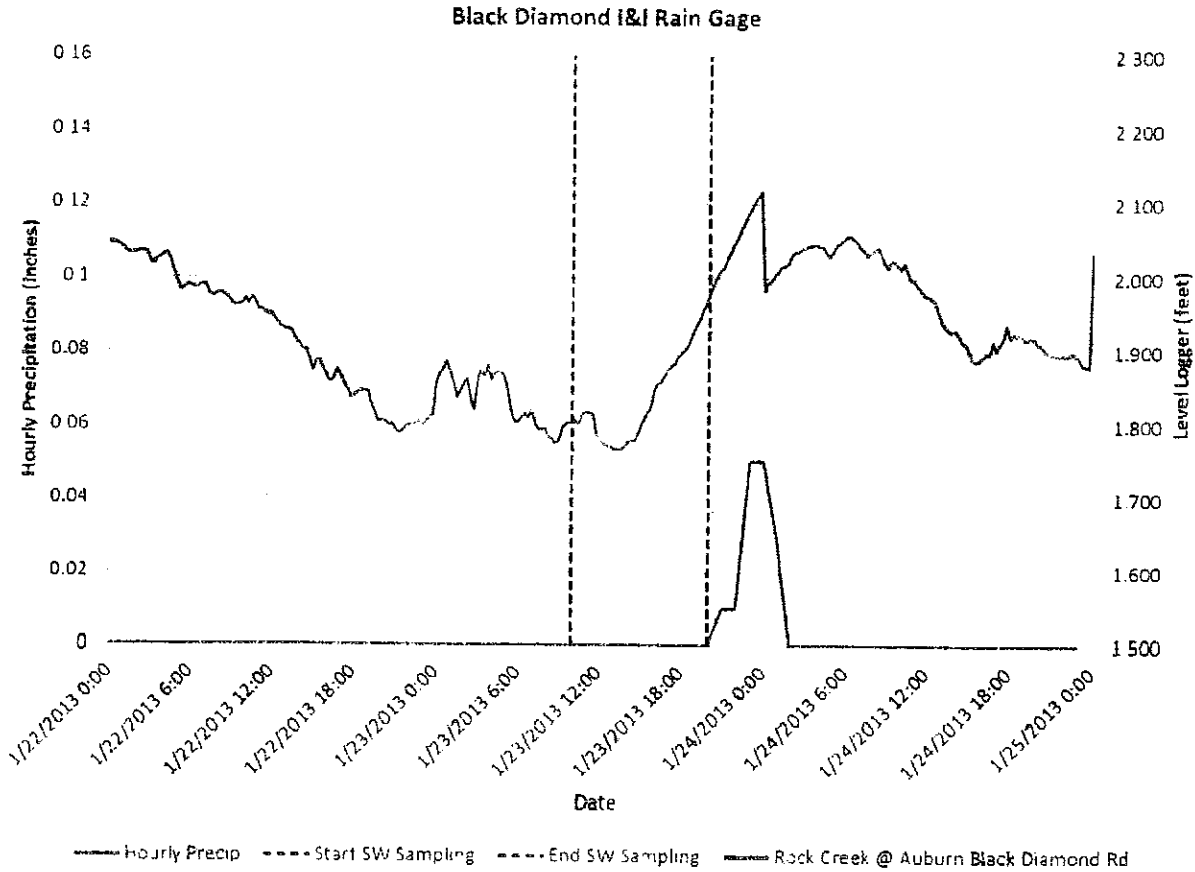


Figure 26. Precipitation at the Black Diamond I&I Rain Gage for the January 23, 2013 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road.

Water quality data from laboratory analysis from the January 23, 2013 storm event are presented in Appendix 1, Table A4 and field water quality measurements are reported in Table A5. A comparison of TP, SRP, and TSS results among sites are found below in Figures 27-32.

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2.4 Stormwater Results: Storm Event Sampling (January 30, 2013)

Stormwater samples were collected from 9:00 to 21:30 on January 30, 2013. Figure 33 shows precipitation at the Black Diamond I&I rain gage (operated by King County) during the sampling event compared to water level recorded in Rock Creek at SE Auburn Black Diamond Road. Precipitation for January 30, 2013 (for the 24 hour period) totaled 0.42 inches.

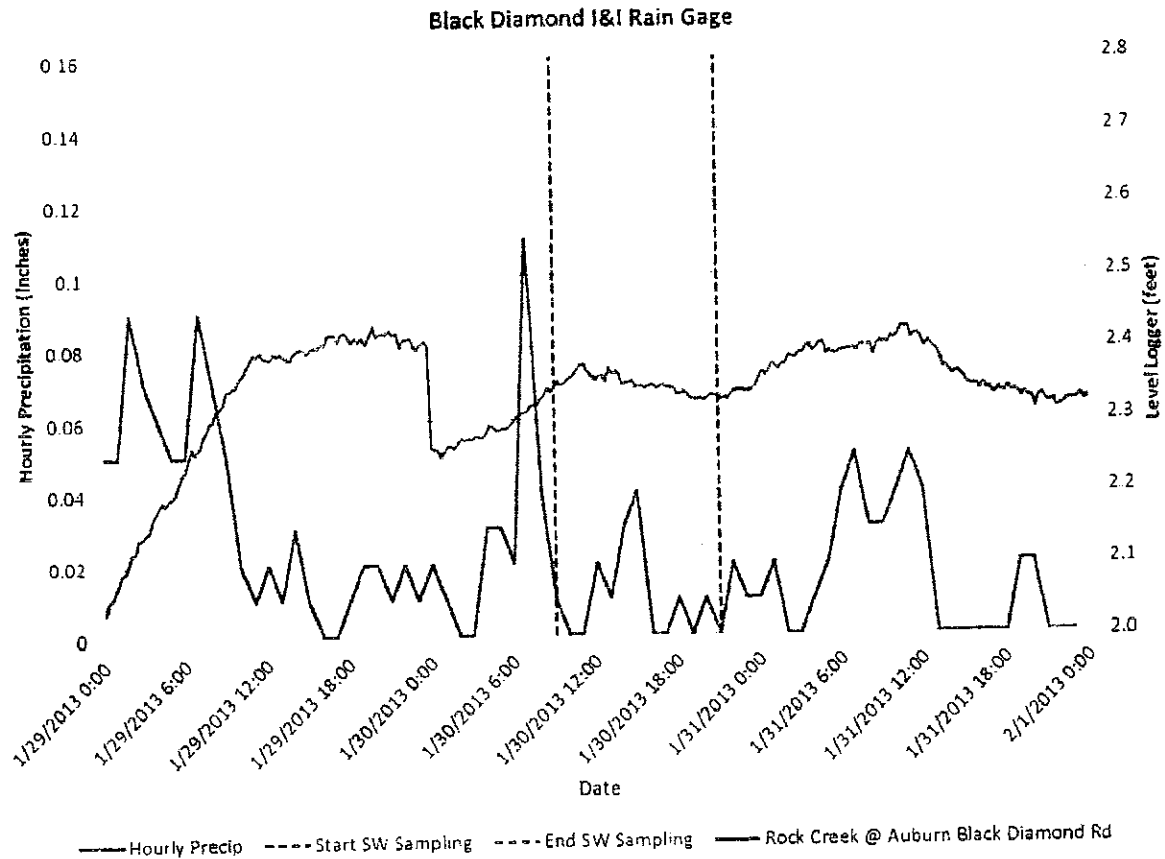


Figure 33. Precipitation at the Black Diamond I&I Rain Gage for the January 30, 2013 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road.

Water quality data from laboratory analysis for the January 30, 2013 storm event are presented in Appendix 1, Table A6 and field water quality measurements are reported in Table A7. A comparison of TP, SRP, and TSS results among sites are found below in Figures 34-39.

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2.5 Stormwater Results: Storm Event Sampling (February 28, 2013)

Stormwater samples were collected from 9:00 to 17:15 on February 28, 2013. Figure 40 shows precipitation at the Black Diamond I&I rain gage (operated by King County) during the sampling event compared to water level recorded in Rock Creek at SE Auburn Black Diamond Road. Precipitation for February 28, 2013 (for the 24 hour period) totaled 0.47 inches.

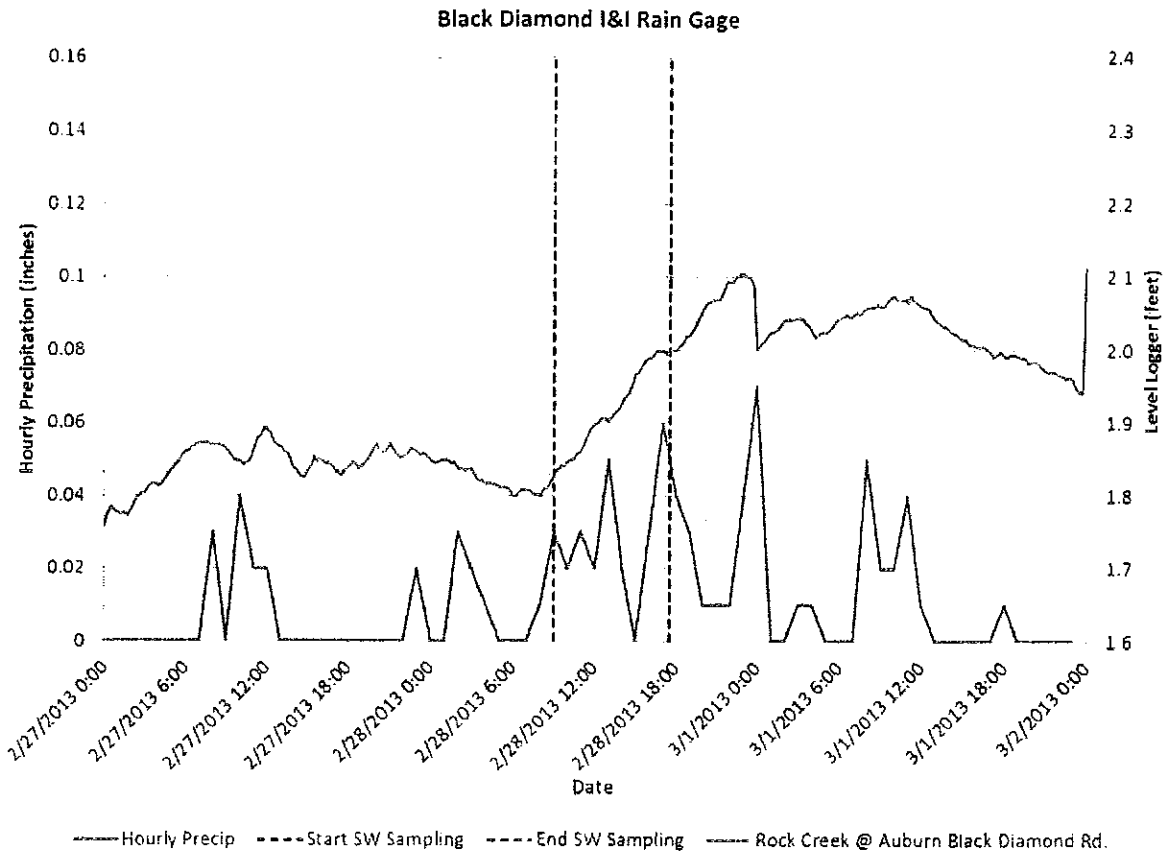


Figure 40. Precipitation at the Black Diamond I&I Rain Gage for the February 28, 2013 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road.

Water quality data from laboratory analysis for the February 28, 2013 storm event are presented in Appendix 1, Table A8 and field water quality measurements are reported in Table A9. A comparison of TP, SRP, and TSS results among sites are found below in Figures 41-46.

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2.6 Stormwater Results: Storm Event Sampling (April 4, 2013)

Stormwater samples were collected from 9:45 to 17:55 on April 4, 2013. Figure 47 shows precipitation at the Black Diamond I&I rain gage (operated by King County) during the sampling event compared to water level recorded in Rock Creek at SE Auburn Black Diamond Road. Precipitation for April 4, 2013 (for the 24 hour period) totaled 0.15 inches and represented conditions at the end of the wet season.

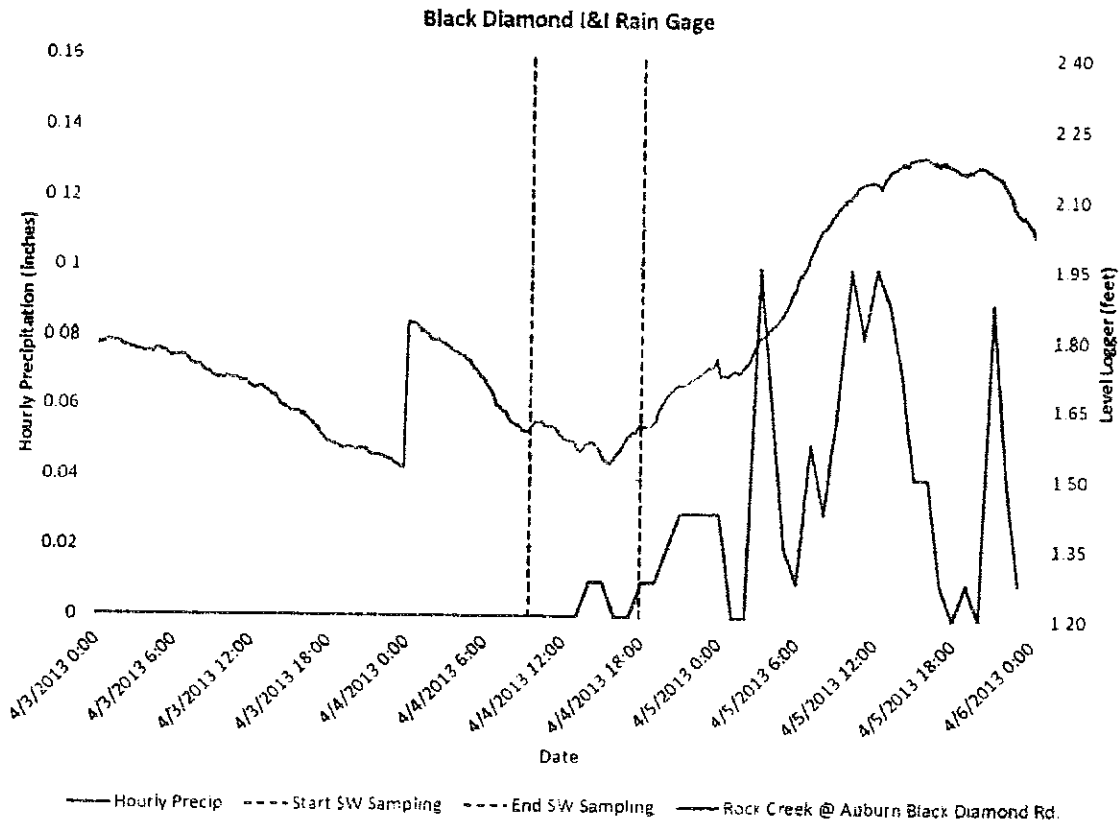


Figure 47. Precipitation at the Black Diamond I&I Rain Gage for the April 4, 2013 Sampling Event Compared to Rock Creek Water Level Recorded at SE Auburn Black Diamond Road.

Water quality data from laboratory analysis for the April 4, 2013 storm event are presented in Appendix 1, Table A10. A comparison of TP, SRP, and TSS results among sites are found below in Figures 48-53.

*from Jan 10/14
report*