### **APPENDIX C**

## 2015 Tributary Hydrographs

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2015 Waits River hydrograph of the study period from April 1 through November 15. Discharge estimated and prorated based on Ompompanoosuc River discharges. Figure C-1.



2015 Ompompanoosuc River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated outflows at Union Village Dam. Figure C-2.



Figure C-3. 2015 White River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flows at USGS Gage No. 01144000.



Mascoma River Dicharge (cfs)

Figure C-4. 2015 Mascoma River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated outflows at Mascoma Lake Dam.



Figure C-5. 2015 Sugar River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at USGS Gage No. 01152500.



Figure C-6. 2015 Black River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at North Springfield Dam.



Figure C-7. 2015 Williams River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at USGS Gage No. 01153550.



Figure C-8. 2015 Saxtons River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at USGS Gage No. 01154000.



Cold River Discharge (cfs)

Figure C-9. 2015 Cold River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at USGS Gage No. 01154950.



Figure C-10. 2015 West River hydrograph of the study period from April 1 through November 15. Discharges estimated based on prorated flow at Townshend Dam.

### APPENDIX D

# 2015 Tributary Continuous Water Temperature Figures

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Figure D-1. Waits River water temperatures collected from April 1 through November 15, 2015. Periods when the continuous temperature data logger was out of water are omitted.



Figure D-2. Ompompanoosuc River water temperatures collected from April 7 through November 15, 2015.



Figure D-3. White River water temperatures collected from April 7 through November 15, 2015. Periods when the continuous temperature data logger was out of water are omitted.

06-BF-T04 Mascoma River



Figure D-4. Mascoma River water temperatures collected from April 1 through November 15, 2015. Periods when the continuous temperature data logger was out of water are omitted.



Figure D-5. Sugar River water temperatures collected from April 7 through November 15, 2015.



Figure D-6. Black River water temperatures collected from April 1 through November 15, 2015.



Figure D-7. Williams River water temperatures collected from April 1 through November 15, 2015.

06-V-T03 Saxtons River 15-minute 30 Rolling daily mean 25 20 Temperature (°C) 15 10 5 0 May Jun Oct Nov Apr Jul Aug Sep Month

Figure D-8. Saxton River water temperatures collected from April 1 through November15, 2015. Periods when the continuous temperature data logger was out of water are omitted.

06-V-T02 Cold River



Figure D-9. Cold River water temperatures collected from April 1 through November 15, 2015. Periods when the continuous temperature data logger was out of water are omitted.

06-V-T01 West River



Figure D-10. West River water temperatures collected from April 23 through November 15, 2015. Periods when the continuous temperature data logger was out of water are omitted.

### APPENDIX E

### 2015 Tributary Continuous Water Temperature Monthly Figures

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Figure E-1. 2015 April water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - May 2015 Temperature

Figure E-2. 2015 May water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - June 2015 Temperature

Figure E-3. 2015 June water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - July 2015 Temperature

Figure E-4. 2015 July water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - August 2015 Temperature

Figure E-5. 2015 August water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - September 2015 Temperature

Figure E-6. 2015 September water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - October 2015 Temperature

Figure E-7. 2015 October water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Wilder Tributaries - November 2015 Temperature

Figure E-8. 2015 November water temperature (°C) for Wilder tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - April 2015 Temperature

Figure E-9. 2015 April water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - May 2015 Temperature

Figure E-10. 2015 May water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).


Bellows Falls Tributaries - June 2015 Temperature

Figure E-11. 2015 June water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - July 2015 Temperature

Figure E-12. 2015 July water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - August 2015 Temperature

Figure E-13. 2015 August water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



### Bellows Falls Tributaries - September 2015 Temperature

Figure E-14. 2015 September water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - October 2015 Temperature

Figure E-15. 2015 October water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



Bellows Falls Tributaries - November 2015 Temperature

Figure E-16. 2015 November water temperature (°C) for Bellows Falls tributaries with tributary discharge (cfs).



2015 April water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-17.



Vernon Tributaries - May 2015 Temperature

2015 May water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-18.



Vernon Tributaries - June 2015 Temperature

2015 June water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-19.



Vernon Tributaries - July 2015 Temperature

2015 July water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-20.



Vernon Tributaries - August 2015 Temperature

2015 August water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-21.



Vernon Tributaries - September 2015 Temperature

2015 September water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-22.



Vernon Tributaries - October 2015 Temperature

2015 October water temperature (°C) for Vernon tributaries with tributary discharge (cfs). Figure E-23.



Vernon Tributaries - November 2015 Temperature

Figure E-24. 2015 November water temperature (°C) for Vernon tributaries with tributary discharge (cfs).

## APPENDIX F

# 2015 Mainstem Water Quality Monthly Figures

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Wilder - May 2015 Temperature

Figure F-1. 2015 May water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - June 2015 Temperature

Figure F-2. 2015 June water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - July 2015 Temperature

Figure F-3. 2015 July water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - August 2015 Temperature

Figure F-4. 2015 August water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - September 2015 Temperature

Figure F-5. 2015 September water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - October 2015 Temperature





Wilder - November 2015 Temperature

Figure F-7. 2015 November water temperatures at all Wilder stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Bellows Falls - April 2015 Temperature

2015 April water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-8.



Bellows Falls - May 2015 Temperature

Figure F-9. 2015 May water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - June 2015 Temperature

Figure F-10. 2015 June water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - July 2015 Temperature

2015 July water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-11.



Bellows Falls - August 2015 Temperature

Figure F-12. 2015 August water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - September 2015 Temperature

Figure F-13. 2015 September water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - October 2015 Temperature

2015 October water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-14.



Bellows Falls - November 2015 Temperature

Figure F-15. 2015 November water temperatures at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Vernon - April 2015 Temperature

Figure F-16. 2015 April water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - May 2015 Temperature

2015 May water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge. Figure F-17.



Vernon - June 2015 Temperature

Figure F-18. 2015 June water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - July 2015 Temperature

Figure F-19. 2015 July water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - August 2015 Temperature

Figure F-20. 2015 August water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.


Vernon - September 2015 Temperature

2015 September water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge. Figure F-21.



Vernon - October 2015 Temperature

Figure F-22. 2015 October water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - November 2015 Temperature

Figure F-23. 2015 November water temperatures at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Wilder - June 2015 Dissolved Oxygen (mg/L)

Figure F-24. 2015 June dissolved oxygen (mg/L) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - July 2015 Dissolved Oxygen (mg/L)

Figure F-25. 2015 July dissolved oxygen (mg/L) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Figure F-26. 2015 August dissolved oxygen (mg/L) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.

Wilder - August 2015 Dissolved Oxygen (mg/L)



Figure F-27. 2015 September dissolved oxygen (mg/L) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.





Bellows Falls - June 2015 Dissolved Oxygen (mg/L)

Figure F-28. 2015 June dissolved oxygen (mg/L) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - July 2015 Dissolved Oxygen (mg/L)

Figure F-29. 2015 July dissolved oxygen (mg/L) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - August 2015 Dissolved Oxygen (mg/L)

Figure F-30. 2015 August dissolved oxygen (mg/L) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - September 2015 Dissolved Oxygen (mg/L)

Figure F-31. 2015 September dissolved oxygen (mg/L) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Vernon - June 2015 Dissolved Oxygen (mg/L)

Figure F-32. 2015 June dissolved oxygen (mg/L) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - July 2015 Dissolved Oxygen (mg/L)

2015 July dissolved oxygen (mg/L) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge. Figure F-33.





2015 August dissolved oxygen (mg/L) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge. Figure F-34.

Vernon - August 2015 Dissolved Oxygen (mg/L)



Figure F-35. 2015 September dissolved oxygen (mg/L) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.





Wilder - June 2015 Dissolved Oxygen (percent saturation)

Figure F-36. 2015 June dissolved oxygen (percent saturation) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - July 2015 Dissolved Oxygen (percent saturation)

2015 July dissolved oxygen (percent saturation) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge. Figure F-37.



2015 August dissolved oxygen (percent saturation) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge. Figure F-38.





Wilder - September 2015 Dissolved Oxygen (percent saturation)

Figure F-39. 2015 September dissolved oxygen (percent saturation) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Bellows Falls - June 2015 Dissolved Oxygen (percent saturation)

Figure F-40. 2015 June dissolved oxygen (percent saturation) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - July 2015 Dissolved Oxygen (percent saturation)

Figure F-41. 2015 July dissolved oxygen (percent saturation) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - August 2015 Dissolved Oxygen (percent saturation)

Figure F-42. 2015 August dissolved oxygen (percent saturation) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - September 2015 Dissolved Oxygen (percent saturation)

Figure F-43. 2015 September dissolved oxygen (percent saturation) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and project discharge.



Vernon - June 2015 Dissolved Oxygen (percent saturation)

Figure F-44. 2015 June dissolved oxygen (percent saturation) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - July 2015 Dissolved Oxygen (percent saturation)

Figure F-45. 2015 July dissolved oxygen (percent saturation) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - August 2015 Dissolved Oxygen (percent saturation)

Figure F-46. 2015 August dissolved oxygen (percent saturation) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - September 2015 Dissolved Oxygen (percent saturation)

Figure F-47. 2015 September dissolved oxygen (percent saturation) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Wilder - June 2015 pH (standard units)





Wilder - July 2015 pH (standard units)

Figure F-49. 2015 July pH (standard units) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - August 2015 pH (standard units)

2015 August pH (standard units) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge. Figure F-50.



Wilder - September 2015 pH (standard units)

Figure F-51. 2015 September pH (standard units) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Bellows Falls - June 2015 pH (standard units)

Figure F-52. 2015 June pH (standard units) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - July 2015 pH (standard units)

2015 July pH (standard units) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-53.



Bellows Falls - August 2015 pH (standard units)

Figure F-54. 2015 August pH (standard units) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - September 2015 pH (standard units)

Figure F-55. 2015 September pH (standard units) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Vernon - June 2015 pH (standard units)

Figure F-56. 2015 June pH (standard units) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.


Vernon - July 2015 pH (standard units)

Figure F-57. 2015 July pH (standard units) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - August 2015 pH (standard units)

Figure F-58. 2015 August pH (standard units) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.





Figure F-59. 2015 September pH (standard units) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.





Wilder - June 2015 Specific Conductivity (µS/cm)

Figure F-60. 2015 June specific conductivity (µS/cm) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Figure F-61. 2015 July specific conductivity (µS/cm) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.





Wilder - August 2015 Specific Conductivity (µS/cm)

Figure F-62. 2015 August specific conductivity (µS/cm) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Wilder - September 2015 Specific Conductivity (µS/cm)

Figure F-63. 2015 September specific conductivity (µS/cm) at all Wilder mainstem stations with inflow (USGS Gage No. 01138500) and Wilder project discharge.



Bellows Falls - June 2015 Specific Conductivity (µS/cm)

2015 June specific conductivity (µS/cm) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-64





Bellows Falls - July 2015 Specific Conductivity (µS/cm)

2015 July specific conductivity (µS/cm) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge. Figure F-65.





Bellows Falls - August 2015 Specific Conductivity (µS/cm)

Figure F-66. 2015 August specific conductivity (µS/cm) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Bellows Falls - September 2015 Specific Conductivity (µS/cm)

Figure F-67. 2015 September specific conductivity (µS/cm) at all Bellows Falls stations with inflow (USGS Gage No. 01144500), bypassed reach flow, and Bellows Falls project discharge.



Vernon - June 2015 Specific Conductivity (µS/cm)

Figure F-68. 2015 June specific conductivity (µS/cm) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - July 2015 Specific Conductivity (µS/cm)

Figure F-69. 2015 July specific conductivity (µS/cm) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.





Vernon - August 2015 Specific Conductivity (µS/cm)

Figure F-67. 2015 August specific conductivity (µS/cm) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Vernon - September 2015 Specific Conductivity (µS/cm)

Figure F-71. 2015 September specific conductivity (µS/cm) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500) and Vernon project discharge.



Wilder - June 2015 Turbidity (NTU)

Figure F-72. 2015 June turbidity (NTU) at all Wilder mainstem stations with inflow (USGS Gage No. 0113850 Connecticut River at Wells River, VT) and Wilder project discharge.



2015 July turbidity (NTU) at all Wilder mainstem stations with inflow (USGS Gage No. 0113850 Connecticut River at Wells River, VT) and Wilder project discharge. Figure F-73.

## Wilder - July 2015 Turbidity (NTU)



2015 August turbidity (NTU) at all Wilder mainstem stations with inflow (USGS Gage No. 0113850 Connecticut River at Wells River, VT) and Wilder project discharge. Figure F-74.

Wilder - August 2015 Turbidity (NTU)



Wilder - September 2015 Turbidity (NTU)

Figure F-75. 2015 September turbidity (NTU) at all Wilder mainstem stations with inflow (USGS Gage No. 0113850 Connecticut River at Wells River, VT) and Wilder project discharge.



Bellows Falls - June 2015 Turbidity (NTU)

2015 June turbidity (NTU) at all Bellows Falls stations with inflow (USGS Gage No. 01144500 West Lebanon, NH), bypassed reach flow, and Bellows Falls project discharge. Figure F-76.





Bellows Falls - July 2015 Turbidity (NTU)

2015 July turbidity (NTU) at all Bellows Falls stations with inflow (USGS Gage No. 01144500 West Lebanon, NH), bypassed reach flow, and Bellows Falls project discharge. Figure F-77.





Bellows Falls - August 2015 Turbidity (NTU)

Figure F-78. 2015 August turbidity (NTU) at all Bellows Falls stations with inflow (USGS Gage No. 01144500 West Lebanon, NH), bypassed reach flow, and Bellows Falls project discharge.



2015 September turbidity (NTU) at all Bellows Falls stations with inflow (USGS Gage No. 01144500 West Lebanon, NH), bypassed reach flow, and Bellows Falls project discharge. Figure F-79.

### Bellows Falls - September 2015 Turbidity (NTU)



Vernon - June 2015 Turbidity (NTU)

Figure F-80. 2015 June turbidity (NTU) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500 North Walpole, NH) and Vernon project discharge.



Vernon - July 2015 Turbidity (NTU)

Figure F-81. 2015 July turbidity (NTU) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500 North Walpole, NH) and Vernon project discharge.



Vernon - August 2015 Turbidity (NTU)

2015 August turbidity (NTU) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500 North Walpole, NH) and Vernon project discharge. Figure F-82.



Vernon - September 2015 Turbidity (NTU)

Figure F-83. 2015 September turbidity (NTU) at all mainstem Vernon stations with inflow (USGS Gage No. 01154500 North Walpole, NH) and Vernon project discharge.

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## APPENDIX G

# 2015 Water Quality Vertical Profile Mean Time-Series Figures

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Figure G-1. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at 06-W-04 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.



Figure G-2. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-W-03 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.

![](_page_140_Figure_1.jpeg)

![](_page_140_Figure_2.jpeg)

Figure G-3. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-W-02 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.

![](_page_141_Figure_1.jpeg)

![](_page_141_Figure_2.jpeg)

Figure G-4. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at 06-W-01 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.

![](_page_142_Figure_1.jpeg)

![](_page_142_Figure_2.jpeg)

Figure G-5. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at 06-W-TR water quality monitoring station. Points without whiskers indicate a standard deviation of zero.

![](_page_143_Figure_1.jpeg)

Figure G-6. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-BF-04 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.


Figure G-7. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-BF-03 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-8. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-BF-02 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-9. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-BF-01 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.



Figure G-10. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-BF-TR water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-11. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-V-04 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-12. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-V-03 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-13. Mean (dots) ± 1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-V-02 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-14. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-V-01 water quality monitoring station. Points without whiskers indicate a standard deviation of zero.





Figure G-15. Mean (dots)  $\pm$  1 standard deviation (whiskers) of water quality vertical profiles collected at the 06-V-TR water quality monitoring station. Points without whiskers indicate a standard deviation of zero. [this page intentionally left blank]

## APPENDIX H

## **2015 Water Quality Vertical Profiles**

Note: The surface elevation (0.0) point on the following vertical profile graphs is a relative elevation based on the actual water surface elevation at the time of each profile sample. For forebay station vertical profiles specifically, this precludes locating a static depth of the turbine intakes. Intake specifications for each project are provided below.

**Wilder Intakes**: Upper intake elevations (top of trash racks) are approximately 9.1 m (30 ft) below the licensed maximum impoundment level, and approximately 7.5 m (25 ft) below the licensed minimum impoundment level. Intake racks for Units 1 and 2 are 9.5 m (31 ft) in height and 9.1 m (30 ft) in height for Unit 3.

**Bellows Falls Intakes**: Upper intake elevations (top of trash racks) are approximately at the water surface the licensed maximum impoundment level, and approximately 1 m (3 ft) above the water surface at the licensed minimum impoundment level. Intake racks are approximately 14 m (45.8 ft) in height.

**Vernon Intakes**: Upper intake elevations (top of trash racks) are approximately 1.5 m (5 ft) below the licensed maximum pond level, and approximately 1 m (3 ft) above the water surface at the licensed minimum impoundment level. Intake racks are approximately 6.4 m (21 ft) in height.

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Figure H-1. Vertical profiles of water temperature (°C) collected at the Wilder upstream 06-W-04 water quality monitoring station.



Figure H-2. Vertical profiles of dissolved oxygen (mg/L) collected at the Wilder upstream 06-W-04 water quality monitoring station.



Figure H-3. Vertical profiles of dissolved oxygen (% saturation) collected at the Wilder upstream 06-W-04 water quality monitoring station.

н-3



06-W-04 Specific Conductivity (µS/cm) Profiles

Figure H-4. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Wilder upstream 06-W-04 water quality monitoring station.



Figure H-5. Vertical profiles of pH (standard units) collected at the Wilder upstream 06-W-04 water quality monitoring station.



Figure H-6. Vertical profiles of turbidity (NTU) collected at the Wilder upstream 06-W-04 water quality monitoring station.

Н-6



06-W-03 Water Temperature (°C) Profiles

Figure H-7. Vertical profiles of temperature (°C) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.



06-W-03 Dissolved Oxygen (mg/L) Profiles

Figure H-8. Vertical profiles of dissolved oxygen (mg/L) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.



06-W-03 Dissolved Oxygen (% saturation) Profiles

Figure H-9. Vertical profiles of dissolved oxygen (percent saturation) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.



06-W-03 Specific Conductivity (µS/cm) Profiles

Figure H-10. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.



06-W-03 pH (standard units) Profiles

Figure H-11. Vertical profiles of pH (standard units) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.



Figure H-12. Vertical profiles of turbidity (NTU) collected at the Wilder upper impoundment 06-W-03 water quality monitoring station.

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06-W-02 Water Temperature (°C) Profiles

Figure H-13. Vertical profiles of temperature (°C) collected at the Wilder middle impoundment 06-W-02 water quality monitoring station.



06-W-02 Dissolved Oxygen (mg/L) Profiles

Figure H-14. Vertical profiles of dissolved oxygen (mg/L) collected at the Wilder middle impoundment 06-W-02 water quality monitoring station.

06-W-02 Dissolved Oxygen (% saturation) Profiles



Vertical profiles of dissolved oxygen (percent saturation) collected at Figure H-15. the Wilder middle impoundment 06-W-02 water quality monitoring station.



06-W-02 Specific Conductivity (µS/cm) Profiles

Figure H-16. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Wilder middle impoundment 06-W-02 water quality monitoring station.



Figure H-17. Vertical profiles of pH (standard units) collected at the Wilder middle impoundment 06-W-02 water quality monitoring station.



06-W-02 Turbidity (NTU) Profiles

Figure H-18. Vertical profiles of turbidity (NTU) collected at the Wilder middle impoundment 06-W-02 water quality monitoring station.



06-W-01 Water Temperature (°C) Profiles

Figure H-19. Vertical profiles of water temperature (°C) collected at the Wilder forebay 06-W-01 water quality monitoring station.



06-W-01 Dissolved Oxygen (mg/L) Profiles

Figure H-20. Vertical profiles of dissolved oxygen (mg/L) collected at the Wilder forebay 06-W-01 water quality monitoring station.

06-W-01 Dissolved Oxygen (% saturation) Profiles



Figure H-21. Vertical profiles of dissolved oxygen (percent saturation) collected at the Wilder forebay 06-W-01 water quality monitoring station.



06-W-01 Specific Conductivity (µS/cm) Profiles

Figure H-22. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Wilder forebay 06-W-01 water quality monitoring station.



Figure H-23. Vertical profiles of pH (standard units) collected at the Wilder forebay 06-W-01 water quality monitoring station.

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Figure H-24. Vertical profiles of turbidity (NTU) collected at the Wilder forebay 06-W-01 water quality monitoring station.


Figure H-25. Vertical profiles of water temperature (°C) collected at the Wilder tailrace 06-W-TR water quality monitoring station.

06-W-TR Water Temperature (°C) Profiles



06-W-TR Dissolved Oxygen (mg/L) Profiles

Figure H-26. Vertical profiles of dissolved oxygen (mg/L) collected at the Wilder tailrace 06-W-TR water quality monitoring station.



06-W-TR Dissolved Oxygen (% saturation) Profiles

Figure H-27. Vertical profiles of dissolved oxygen (percent saturation) collected at the Wilder tailrace 06-W-TR water quality monitoring station.



06-W-TR Specific Conductivity (µS/cm) Profiles

Figure H-28. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Wilder tailrace 06-W-TR water quality monitoring station.



Figure H-29. Vertical profiles of pH (standard units) collected at the Wilder tailrace 06-W-TR water quality monitoring station.

06-W-TR pH (standard units) Profiles



06-W-TR Turbidity (NTU) Profiles

Figure H-30. Vertical profiles of NTU (NTU) collected at the Wilder tailrace 06-W-TR water quality monitoring station.



06-BF-04 Water Temperature (°C) Profiles

Figure H-31. Vertical profiles of water temperature (°C) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.



06-BF-04 Dissolved Oxygen (mg/L) Profiles

Figure H-32. Vertical profiles of dissolved oxygen (mg/L) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.



Figure H-33. Vertical profiles of dissolved oxygen (percent saturation) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.

06-BF-04 Dissolved Oxygen (% saturation) Profiles



06-BF-04 Specific Conductivity (µS/cm) Profiles

Figure H-34. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.



06-BF-04 pH (standard units) Profiles

Figure H-35. Vertical profiles of pH (standard units) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.



Figure H-36. Vertical profiles of NTU (NTU) collected at the Bellows Falls upstream 06-BF-04 water quality monitoring station.

06-BF-04 Turbidity (NTU) Profiles



06-BF-03 Water Temperature (°C) Profiles

Figure H-37. Vertical profiles of water temperature (°C) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.



06-BF-03 Dissolved Oxygen (mg/L) Profiles

Figure H-38. Vertical profiles of dissolved oxygen (mg/L) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.



Figure H-39. Vertical profiles of dissolved oxygen (percent saturation) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.

06-BF-03 Dissolved Oxygen (% saturation) Profiles



06-BF-03 Specific Conductivity (µS/cm) Profiles

Figure H-40. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.



06-BF-03 pH (standard units) Profiles

Figure H-41. Vertical profiles of pH (standard units) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.



06-BF-03 Turbidity (NTU) Profiles

Figure H-42. Vertical profiles of NTU (NTU) collected at the Bellows Falls upper impoundment 06-BF-03 water quality monitoring station.



06-BF-02 Water Temperature (°C) Profiles

Figure H-43. Vertical profiles of water temperature (°C) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.

06-BF-02 Dissolved Oxygen (mg/L) Profiles



Figure H-44. Vertical profiles of dissolved oxygen (mg/L) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.

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Figure H-45. Vertical profiles of dissolved oxygen (percent saturation) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.

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06-BF-02 Specific Conductivity (µS/cm) Profiles

Figure H-46. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.



06-BF-02 pH (standard units) Profiles

Figure H-47. Vertical profiles of pH (standard units) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.



Figure H-48. Vertical profiles of NTU (NTU) collected at the Bellows Falls middle impoundment 06-BF-02 water quality monitoring station.



06-BF-01 Water Temperature (°C) Profiles

Figure H-49. Vertical profiles of water temperature (°C) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.



06-BF-01 Dissolved Oxygen (mg/L) Profiles

Figure H-50. Vertical profiles of dissolved oxygen (mg/L) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.



Figure H-51. Vertical profiles of dissolved oxygen (percent saturation) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.

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06-BF-01 Specific Conductivity (µS/cm) Profiles

Figure H-52. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.



06-BF-01 pH (standard units) Profiles

Figure H-53. Vertical profiles of pH (standard units) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.



06-BF-01 Turbidity (NTU) Profiles

Figure H-54. Vertical profiles of NTU (NTU) collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station.



06-BF-TR Water Temperature (°C) Profiles

Figure H-55. Vertical profiles of water temperature (°C) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.



06-BF-TR Dissolved Oxygen (mg/L) Profiles

Figure H-56. Vertical profiles of dissolved oxygen (mg/L) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.



06-BF-TR Dissolved Oxygen (% saturation) Profiles

Figure H-57. Vertical profiles of dissolved oxygen (percent saturation) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.



06-BF-TR Specific Conductivity (µS/cm) Profiles

Figure H-58. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.



06-BF-TR pH (standard units) Profiles

Figure H-59. Vertical profiles of pH (standard units) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.



06-BF-TR Turbidity (NTU) Profiles

Figure H-60. Vertical profiles of turbidity (NTU) collected at the Bellows Falls tailrace 06-BF-TR water quality monitoring station.


06-V-04 Water Temperature (°C) Profiles

Figure H-61. Vertical profiles of water temperature (°C) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-04 Dissolved Oxygen (mg/L) Profiles

Figure H-62. Vertical profiles of dissolved oxygen (mg/L) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-04 Dissolved Oxygen (% saturation) Profiles

Figure H-63. Vertical profiles of dissolved oxygen (percent saturation) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-04 Specific Conductivity (µS/cm) Profiles

Figure H-64. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-04 pH (standard units) Profiles

Figure H-65. Vertical profiles of pH (standard units) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-04 Turbidity (NTU) Profiles

Figure H-66. Vertical profiles of turbidity (NTU) collected at the Vernon upstream 06-V-04 water quality monitoring station.



06-V-03 Water Temperature (°C) Profiles

Figure H-67. Vertical profiles of water temperature (°C) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



06-V-03 Dissolved Oxygen (mg/L) Profiles

Figure H-68. Vertical profiles of dissolved oxygen (mg/L) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



06-V-03 Dissolved Oxygen (% saturation) Profiles

Figure H-69. Vertical profiles of dissolved oxygen (percent saturation) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



06-V-03 Specific Conductivity (µS/cm) Profiles

Figure H-70. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



06-V-03 pH (standard units) Profiles

Figure H-71. Vertical profiles of pH (standard units) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



Figure H-72. Vertical profiles of turbidity (NTU) collected at the Vernon upper impoundment 06-V-03 water quality monitoring station.



06-V-02 Water Temperature (°C) Profiles

Figure H-73. Vertical profiles of water temperature (°C) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.



Figure H-74. Vertical profiles of dissolved oxygen (mg/L) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.

06-V-02 Dissolved Oxygen (mg/L) Profiles



Figure H-75. Vertical profiles of dissolved oxygen (percent saturation) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.

06-V-02 Dissolved Oxygen (% saturation) Profiles



06-V-02 Specific Conductivity (µS/cm) Profiles

Figure H-76. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.



Figure H-77. Vertical profiles of pH (standard units) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.



Figure H-78. Vertical profiles of turbidity (NTU) collected at the Vernon middle impoundment 06-V-02 water quality monitoring station.

06-V-02 Turbidity (NTU) Profiles



06-V-01 Water Temperature (°C) Profiles

Figure H-79. Vertical profiles of water temperature (°C) collected at the Vernon forebay 06-V-01 water quality monitoring station.



06-V-01 Dissolved Oxygen (mg/L) Profiles

Figure H-80. Vertical profiles of dissolved oxygen (mg/L) collected at the Vernon forebay 06-V-01 water quality monitoring station.



06-V-01 Dissolved Oxygen (% saturation) Profiles

Figure H-81. Vertical profiles of dissolved oxygen (percent saturation) collected at the Vernon forebay 06-V-01 water quality monitoring station.



06-V-01 Specific Conductivity (µS/cm) Profiles

Figure H-82. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Vernon forebay 06-V-01 water quality monitoring station.



Figure H-83. Vertical profiles of pH (standard units) collected at the Vernon forebay 06-V-01 water quality monitoring station.

06-V-01 pH (standard units) Profiles



06-V-01 Turbidity (NTU) Profiles

Figure H-84. Vertical profiles of turbidity (NTU) collected at the Vernon forebay 06-V-01 water quality monitoring station.



06-V-TR Water Temperature (°C) Profiles

Figure H-85. Vertical profiles of water temperature (°C) collected at the Vernon tailrace 06-V-TR water quality monitoring station.



06-V-TR Dissolved Oxygen (mg/L) Profiles

Figure H-86. Vertical profiles of dissolved oxygen (mg/L) collected at the Vernon tailrace 06-V-TR water quality monitoring station.



06-V-TR Dissolved Oxygen (% saturation) Profiles

Figure H-87. Vertical profiles of dissolved oxygen (percent saturation) collected at the Vernon tailrace 06-V-TR water quality monitoring station.



06-V-TR Specific Conductivity (µS/cm) Profiles

Figure H-88. Vertical profiles of specific conductivity ( $\mu$ S/cm) collected at the Vernon tailrace 06-V-TR water quality monitoring station.



Figure H-89. Vertical profiles of pH (standard units) collected at the Vernon tailrace 06-V-TR water quality monitoring station.



06-V-TR Turbidity (NTU) Profiles

Figure H-90. Vertical profiles of turbidity (NTU) collected at the Vernon tailrace 06-V-TR water quality monitoring station.

## APPENDIX I

## 2015 High Temperature Low-Flow Monitoring Period Temperature Time-Series Figures

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Figure I-1. Continuous water temperature collected at the Wilder 06-W-04 water quality monitoring station during the high temperature low-flow monitoring period. Instruments were deployed mid-depth (MD).



Figure I-2. Continuous water temperature collected at the Wilder 06-W-03 water quality monitoring station during the high temperature low-flow monitoring period. Instruments were deployed mid-depth (MD).



Figure I-3. Continuous water temperature collected at the Wilder 06-W-02 water quality monitoring station during the high temperature low-flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).



Figure I-4. Continuous water temperature collected at the Wilder forebay 06-W-01 water quality monitoring station during the high temperature low-flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).


Figure I-5. Continuous water temperature collected at the Bellows Falls 06-BF-04 water quality monitoring station during the high temperature low-flow monitoring period. Instruments were deployed mid-depth (MD).



Figure I-6. Continuous water temperature collected at the Bellows Falls 06-BF-03 water quality monitoring station during the high temperature low-flow monitoring period. Instruments were deployed at mid-depth (MD).



Figure I-7. Continuous water temperature collected at the Bellows Falls 06-BF-02 water quality monitoring station during the high temperature low-flow monitoring period. Loggers were deployed at one meter below the surface (1S) and one meter above the river bottom (1B).



Figure I-8. Continuous water temperature collected at the Bellows Falls forebay 06-BF-01 water quality monitoring station during the high temperature low flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).



Figure I-9. Continuous water temperature collected at the Vernon 06-V-04 water quality monitoring station during the high temperature low flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).



Figure I-10. Continuous water temperature collected at the Vernon 06-V-03 water quality monitoring station during the high temperature low flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).



Figure I-11. Continuous water temperature collected at the Vernon 06-V-02 water quality monitoring station during the high temperature low-flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).



Figure I-12. Continuous water temperature collected at the Vernon forebay 06-V-01 water quality monitoring station during the high temperature low flow monitoring period. Loggers were deployed at one meter below the surface (1S), mid-depth (MD), and one meter above the river bottom (1B).

## APPENDIX J

## 2015 High Temperature Low-Flow Monitoring Period Water Quality Time-Series Figures

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Figure J-1. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the Wilder 06-W-04 upstream water quality monitoring station during the high temperature low flow monitoring period.



Figure J-2. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-W-03 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-3. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-W-02 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-4. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-W-01 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-5. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-BF-04 upstream water quality monitoring station during the high temperature low flow monitoring period.



Figure J-6. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-BF-03 impoundment water quality monitoring station during the high temperature low flow monitoring period.





Figure J-7. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-BF-02 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-8. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-BF-01 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-9. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-V-04 upstream water quality monitoring station during the high temperature low flow monitoring period.



Figure J-10. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-V-03 impoundment water quality monitoring station during the high temperature low flow monitoring period.





Figure J-11. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-V-02 impoundment water quality monitoring station during the high temperature low flow monitoring period.



Figure J-12. Continuous temperature, specific conductivity, dissolved oxygen, pH, and turbidity collected at the 06-V-01 impoundment water quality monitoring station during the high temperature low flow monitoring period.