

PART A - APPENDIX B: THERMISTOR FIGURES

PART A - APPENDIX C: WATER QUALITY METEOROLOGICAL
STATION DATA

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Baseline Water Quality Study (5.5)

Part A - Appendix B Thermistor Figures

Initial Study Report

Prepared for

Alaska Energy Authority



SUSITNA-WATANA HYDRO

Clean, reliable energy for the next 100 years.

Prepared by

Tetra Tech

June 2014

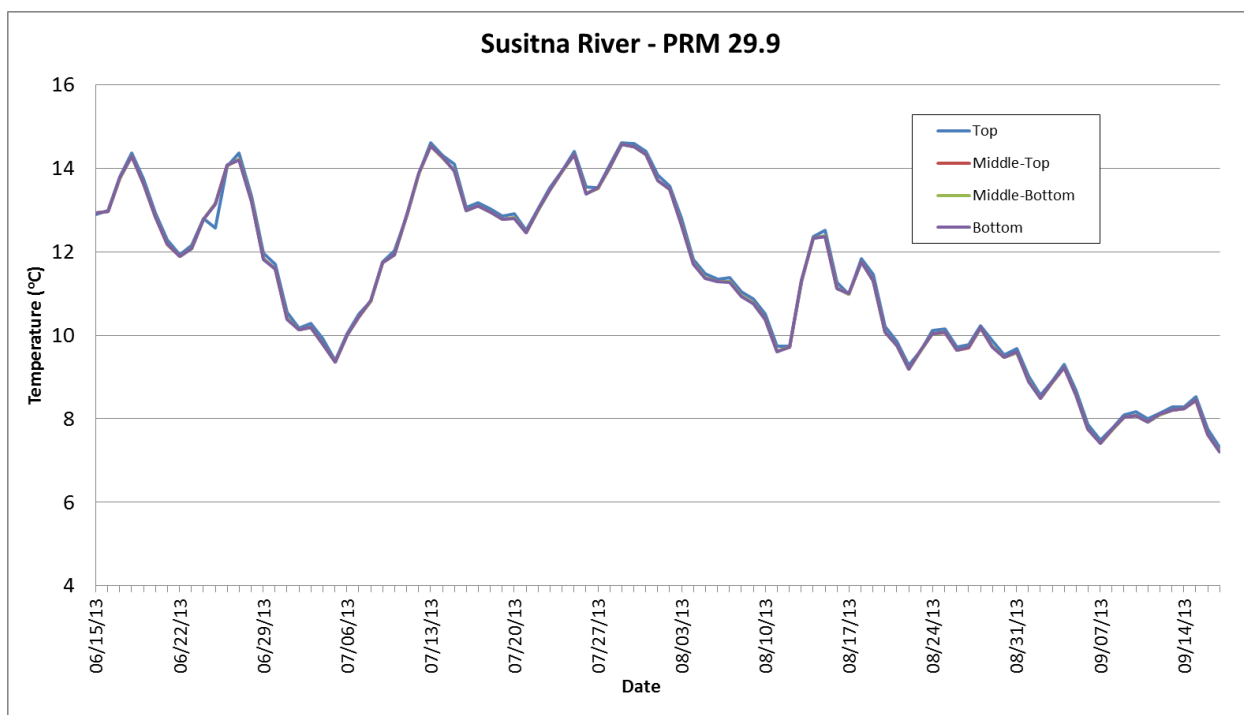
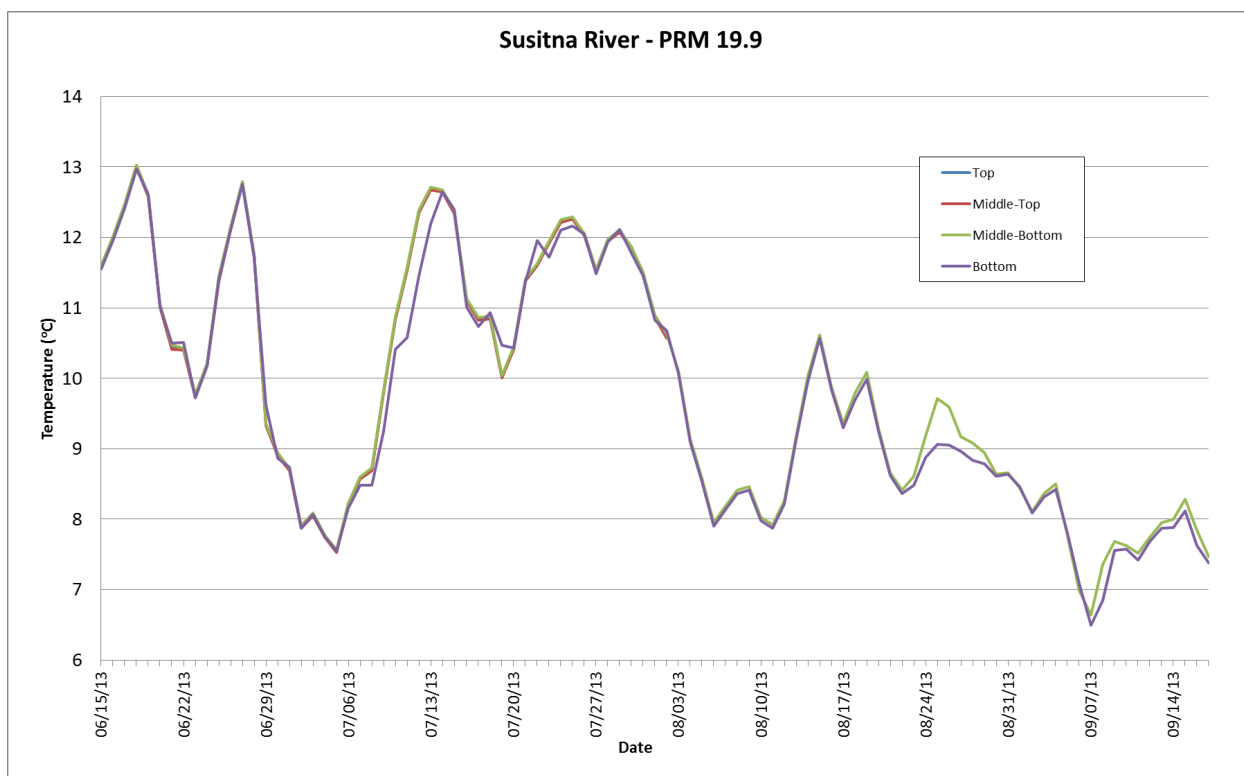


Figure B-1. 2013 Thermistor Temperature Data for the Susitna Project Area.

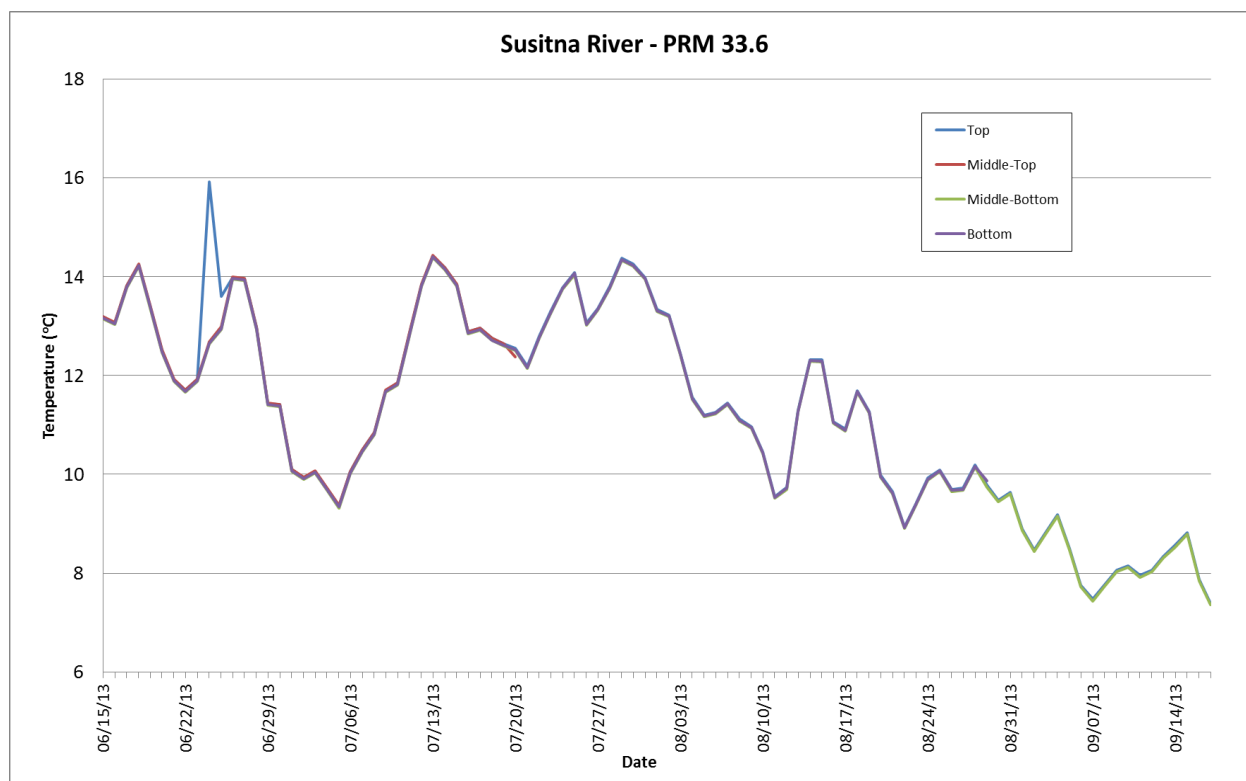
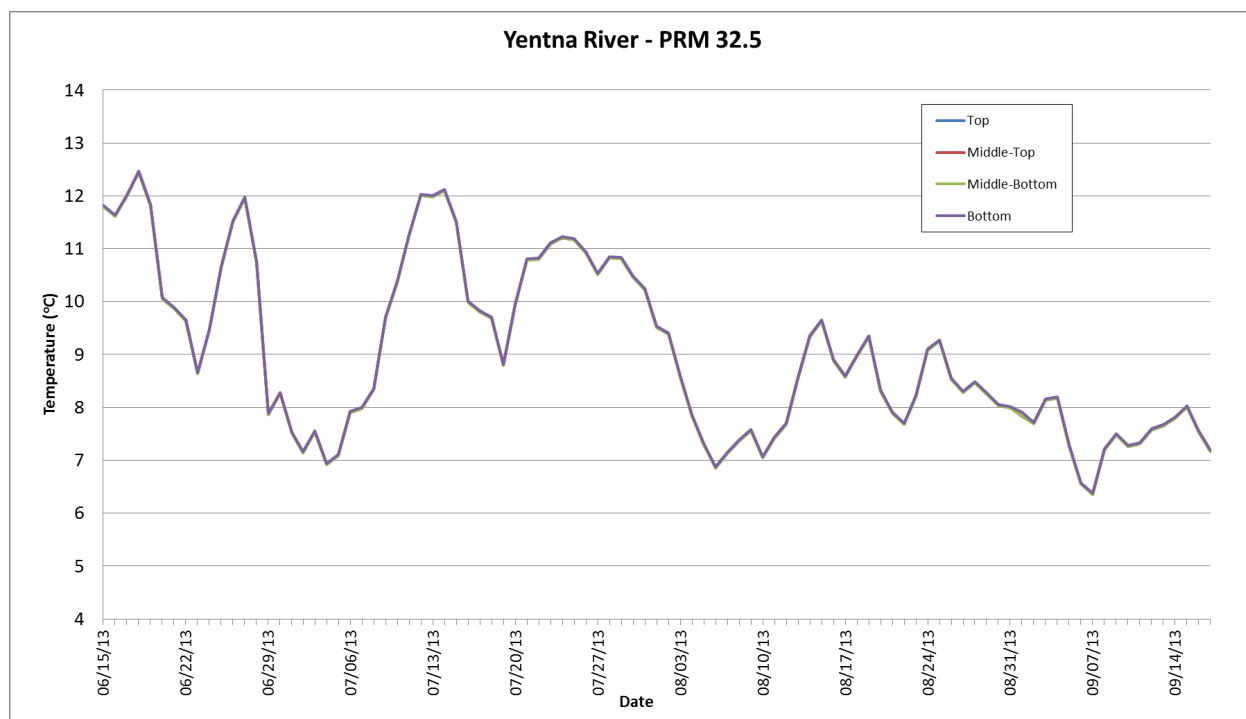


Figure B-2. 2013 Thermistor Temperature Data for the Susitna Project Area.

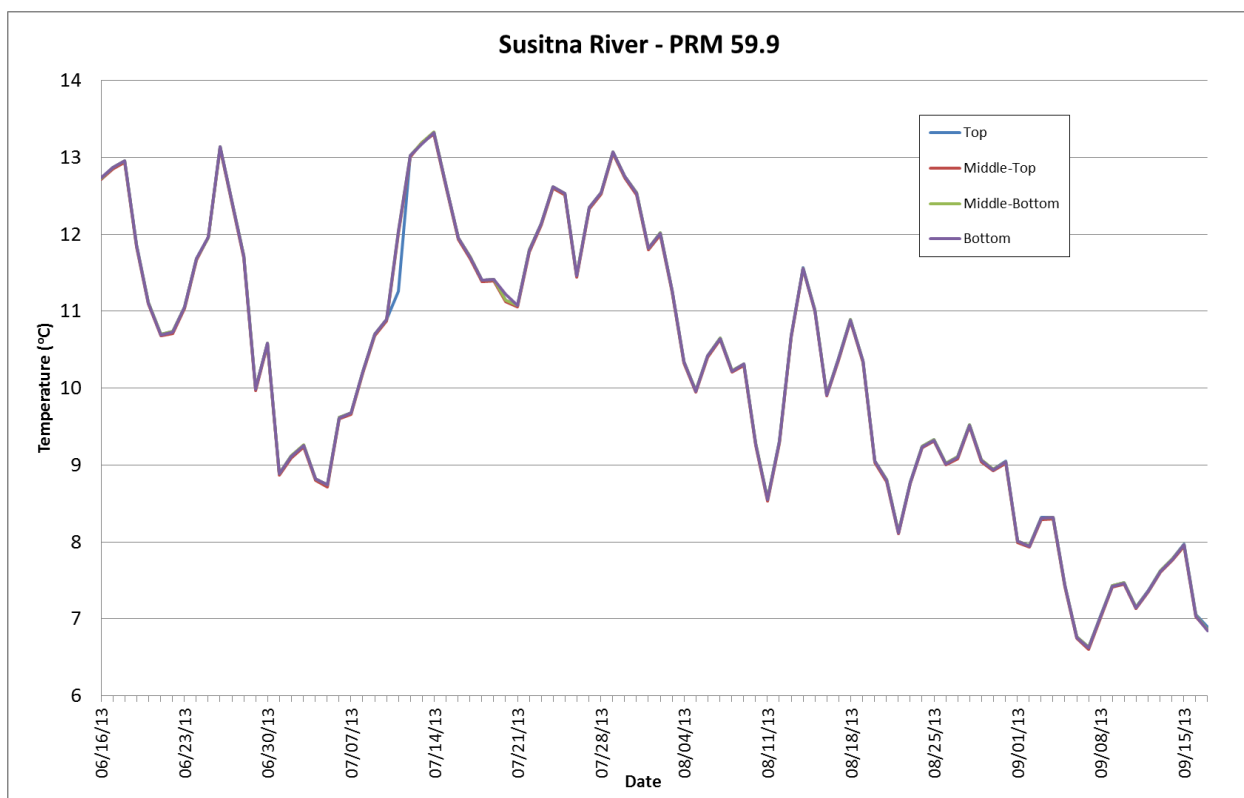
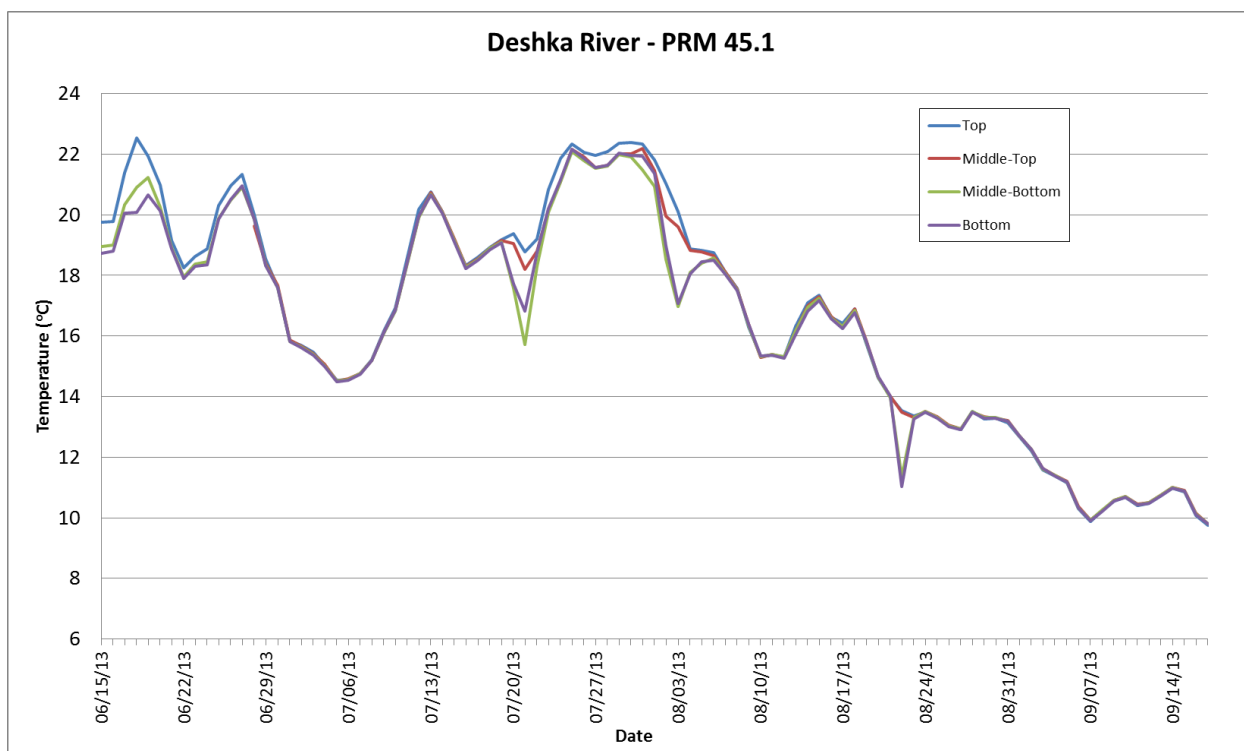


Figure B-3. 2013 Thermistor Temperature Data for the Susitna Project Area.

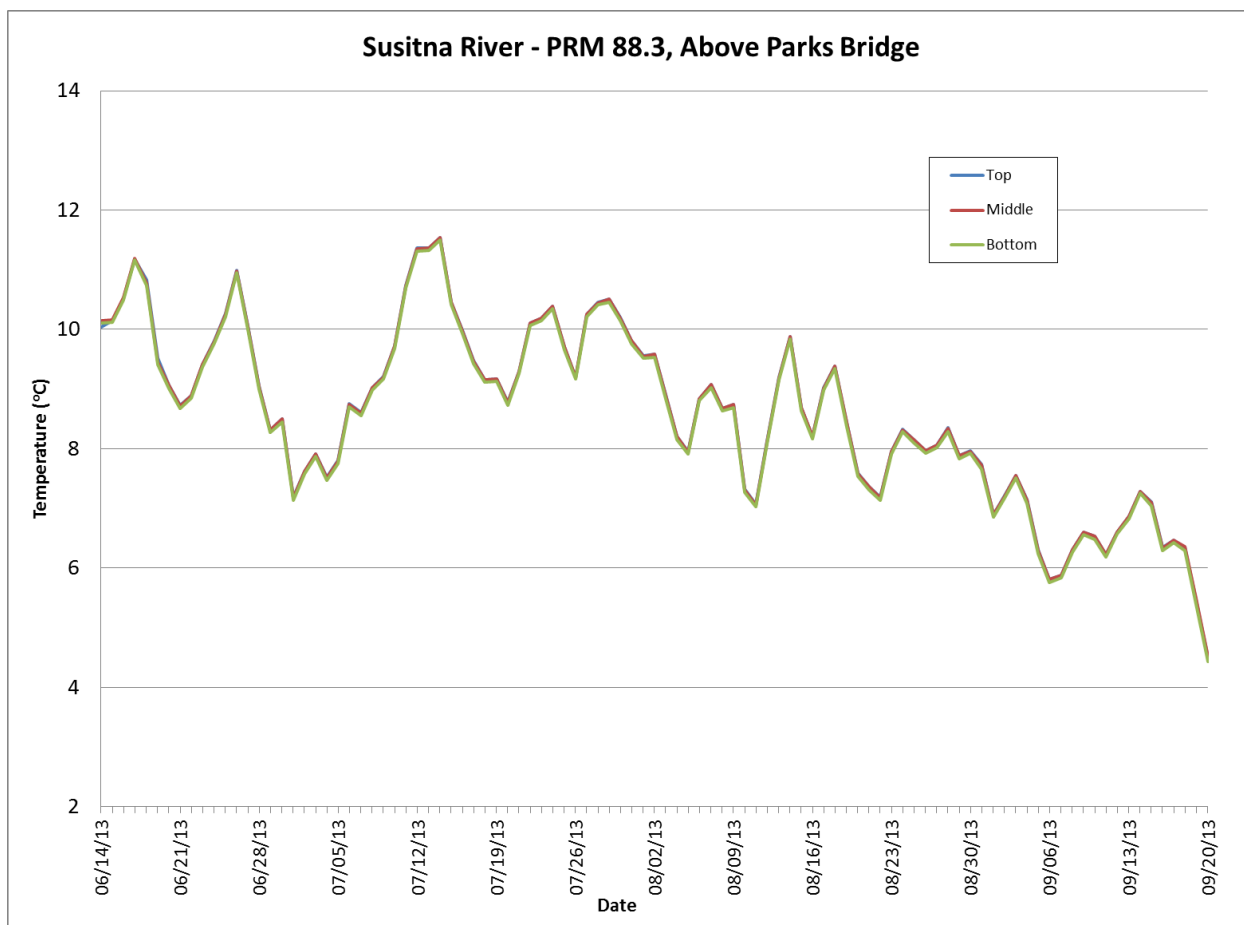
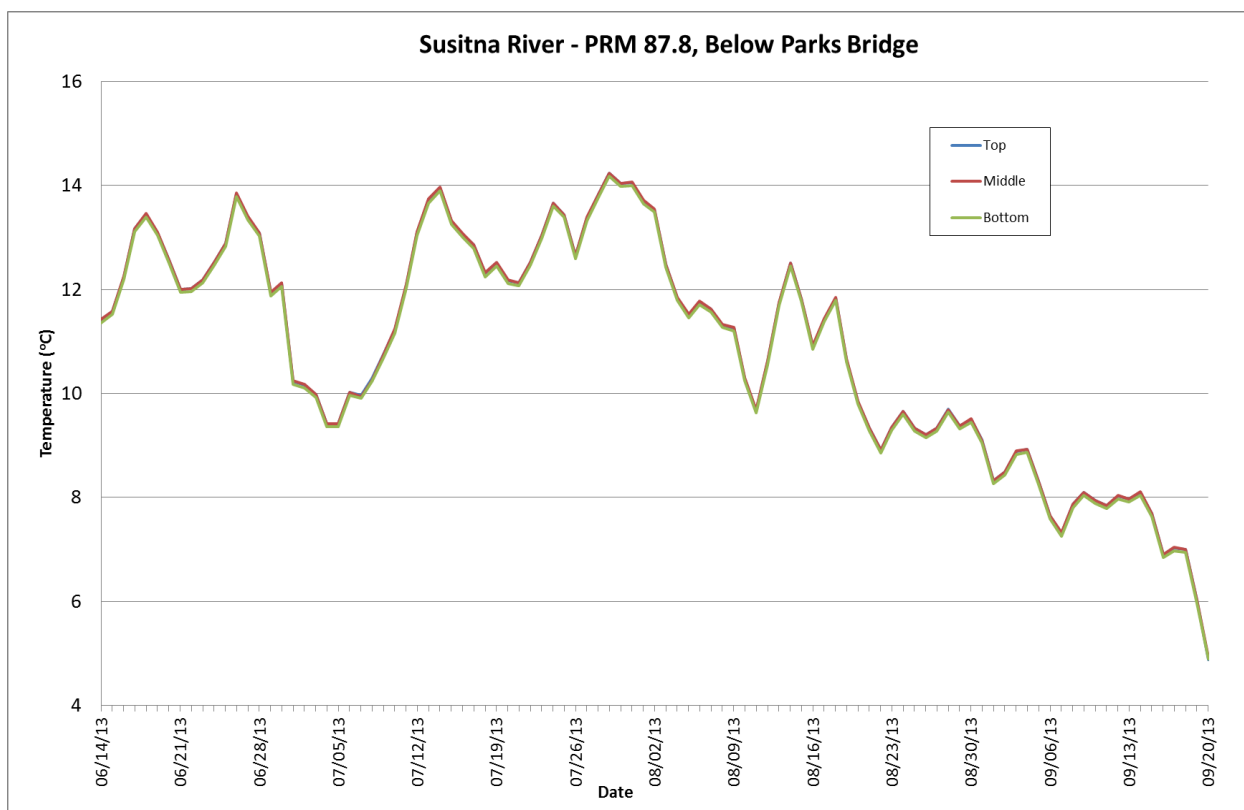
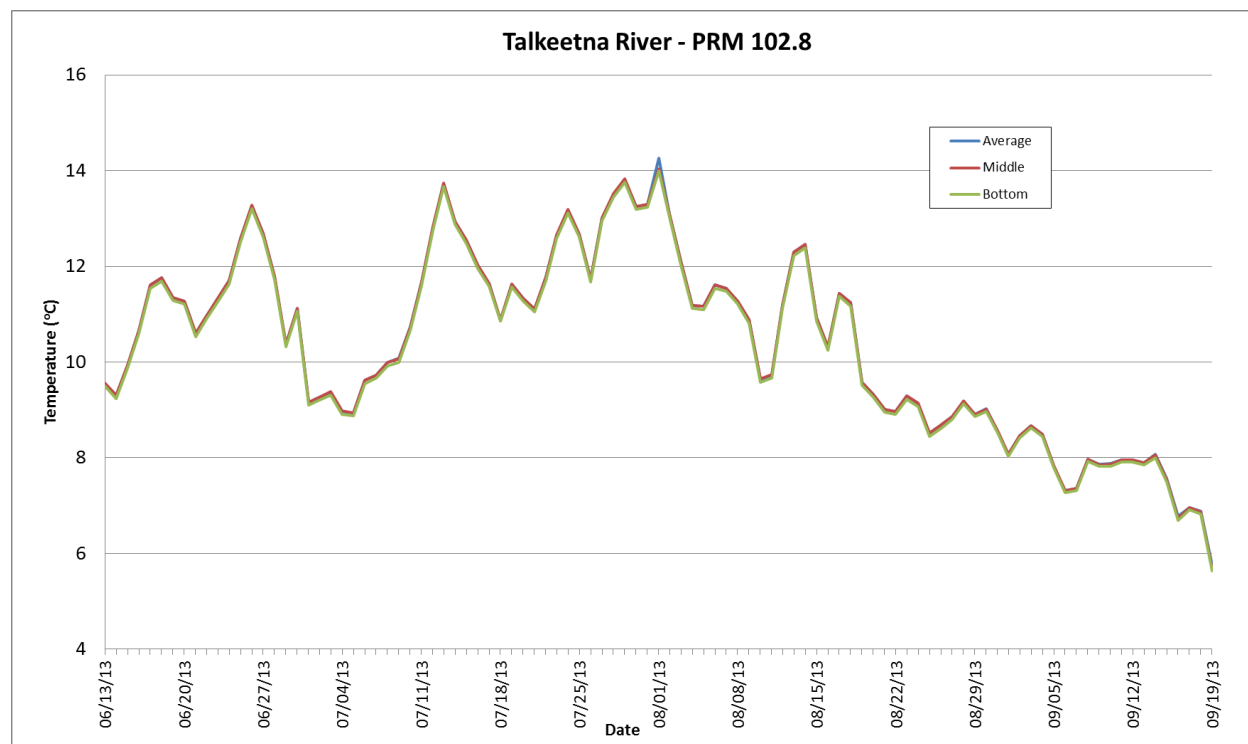
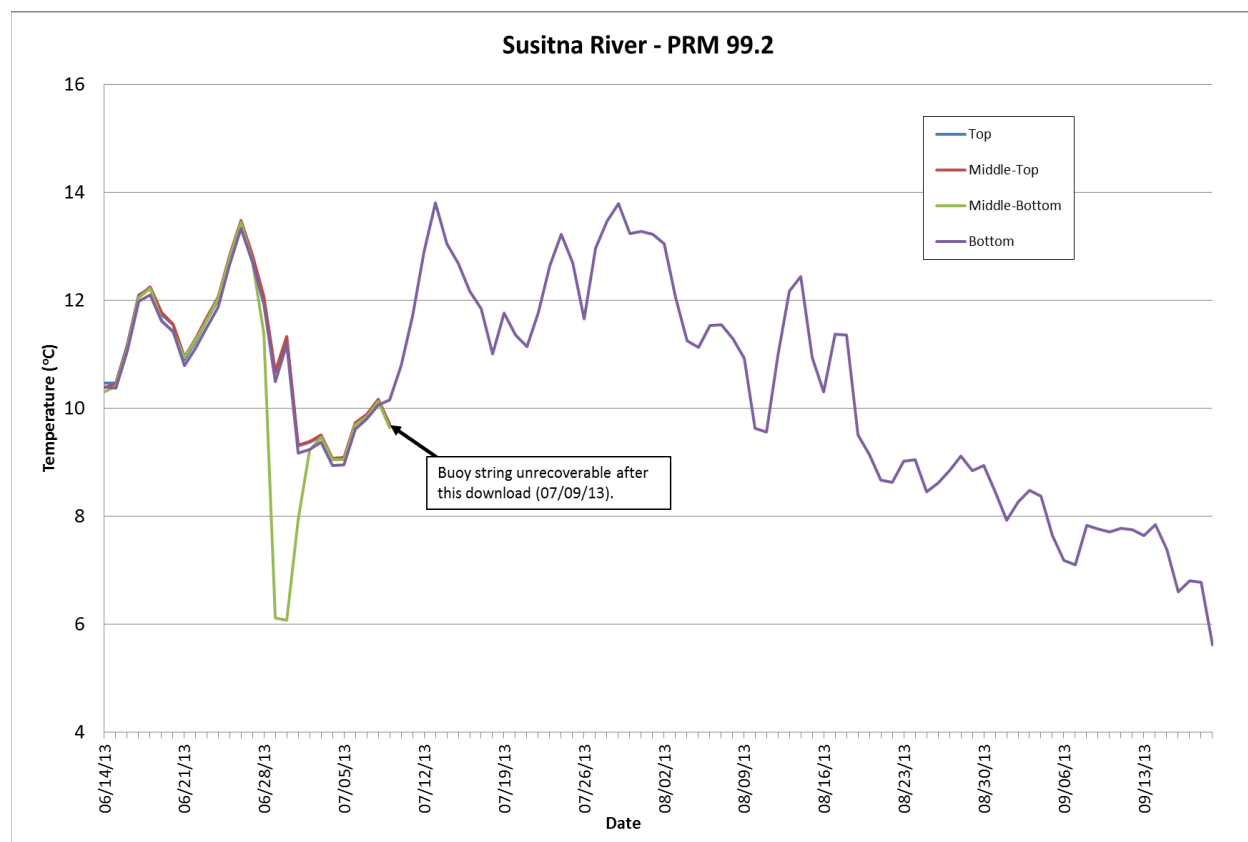


Figure B-4. 2013 Thermistor Temperature Data for the Susitna Project Area.**Figure B-5. 2013 Thermistor Temperature Data for the Susitna Project Area.**

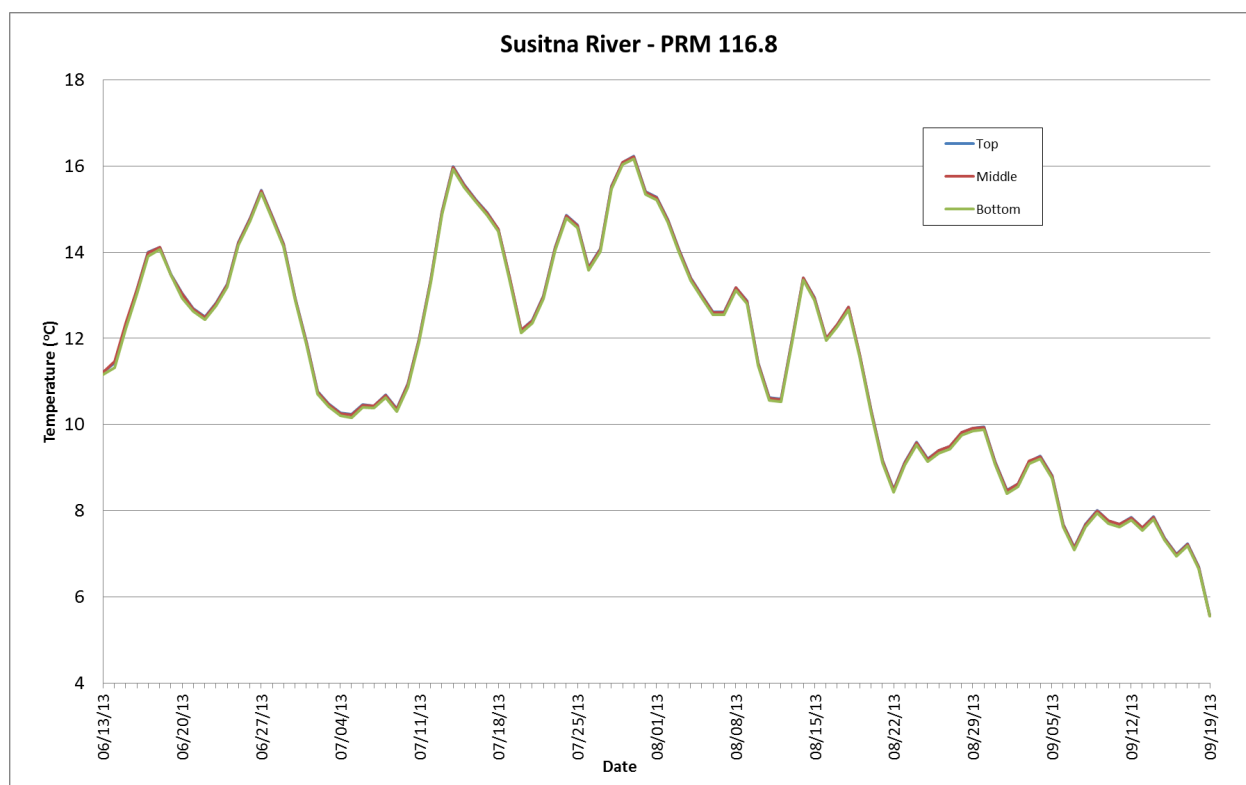
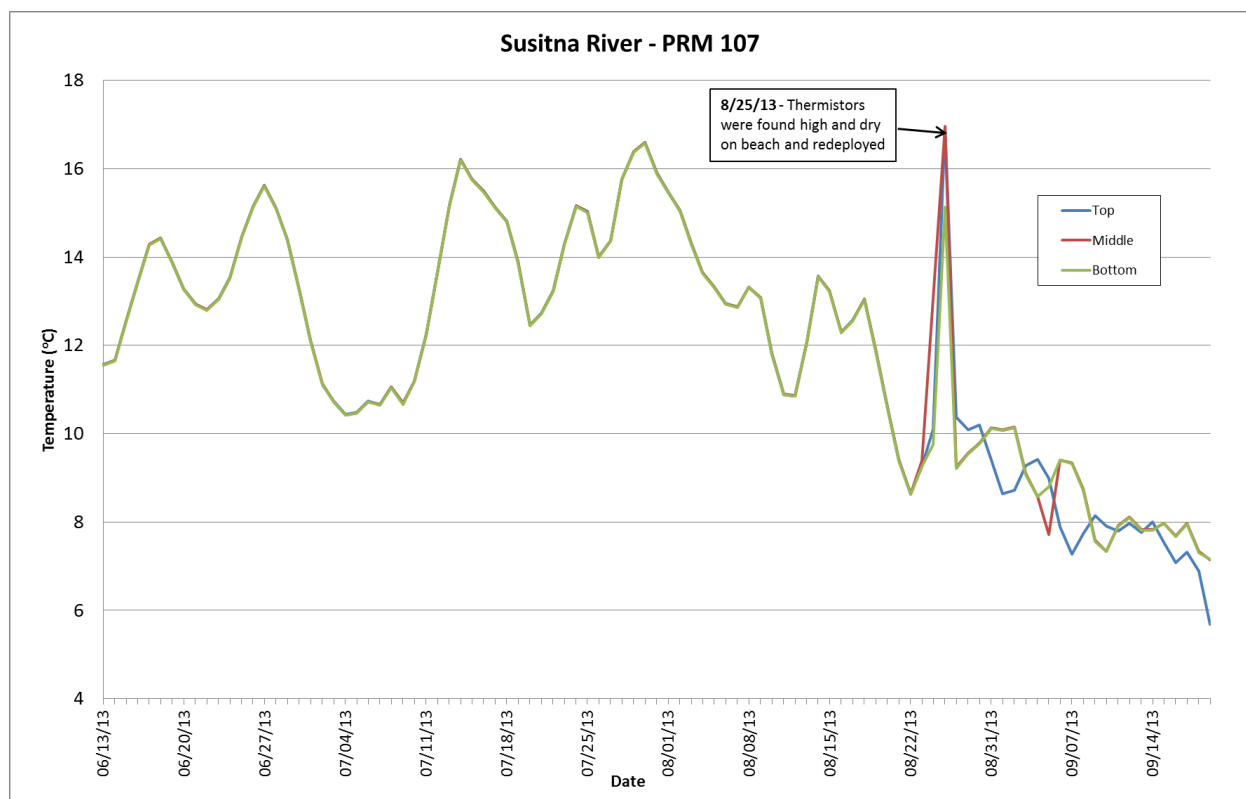


Figure B-6. 2013 Thermistor Temperature Data for the Susitna Project Area.

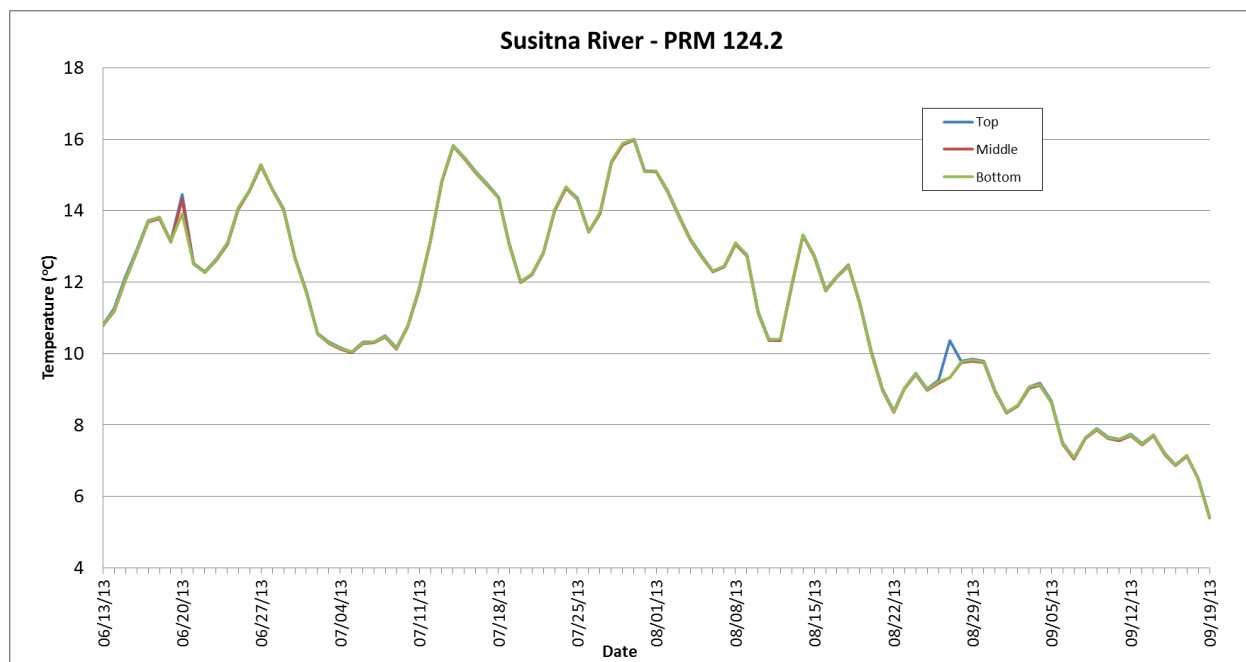
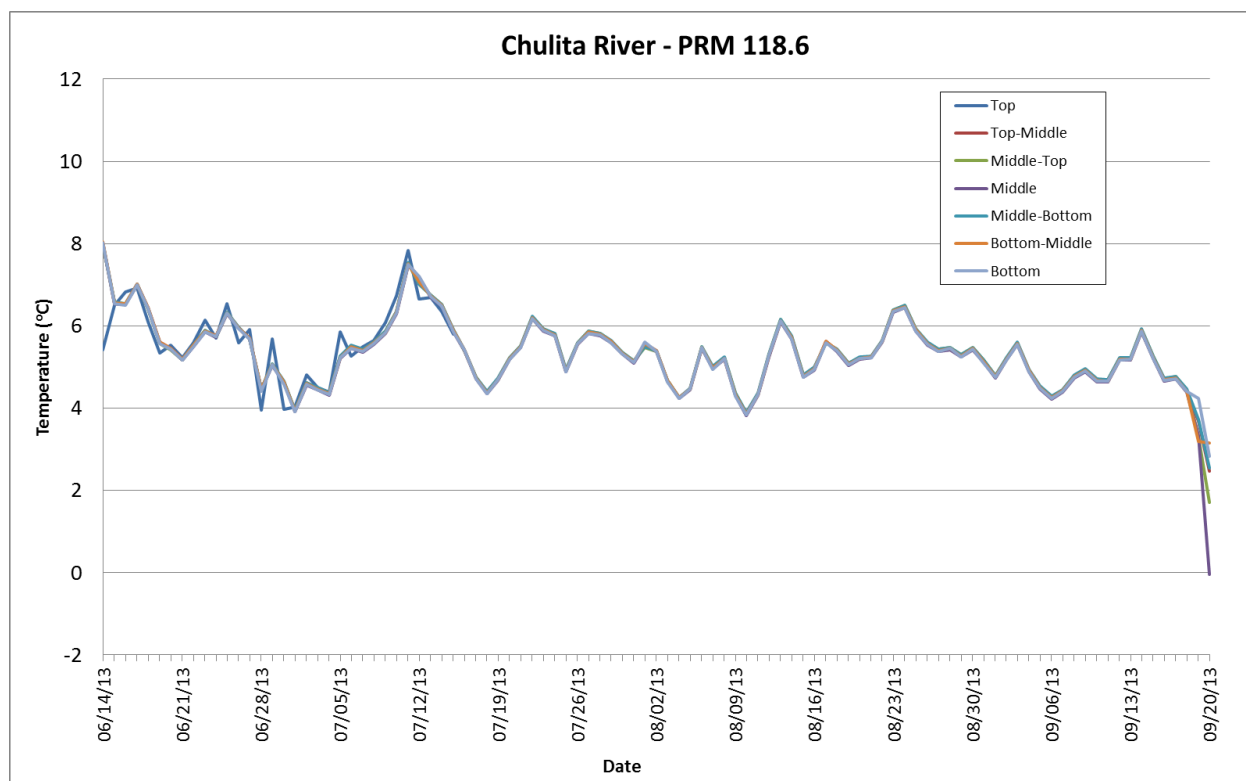


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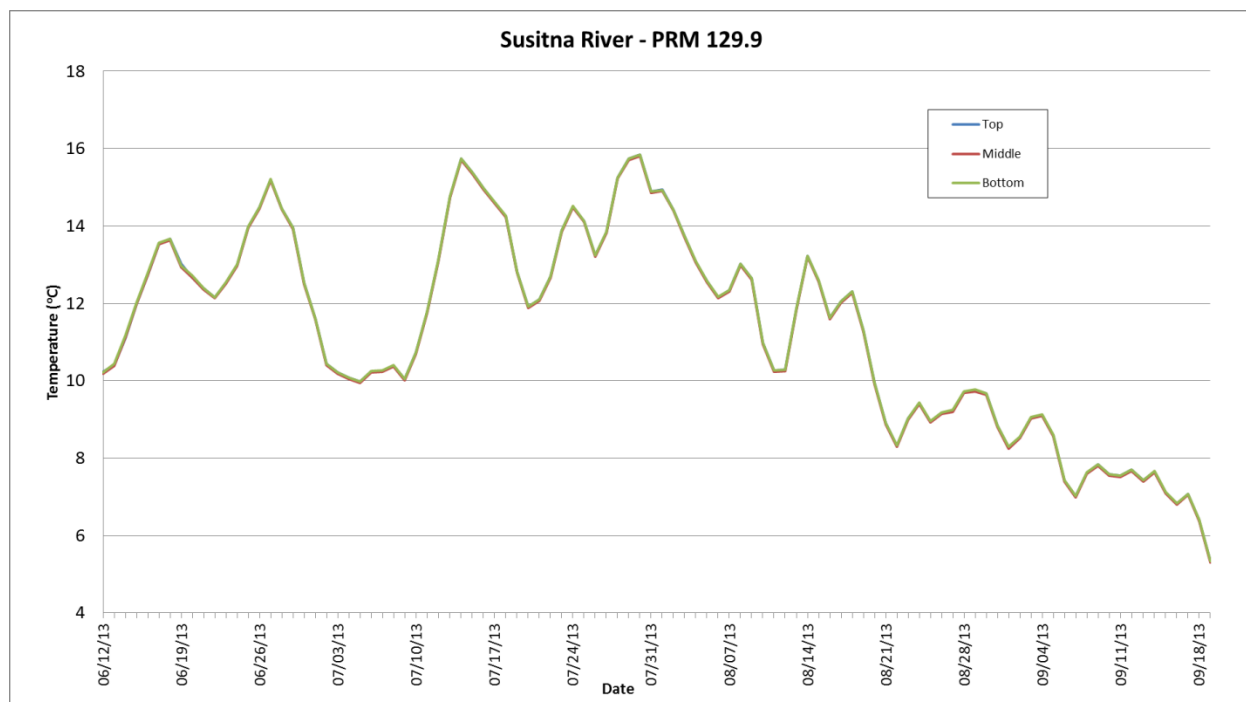
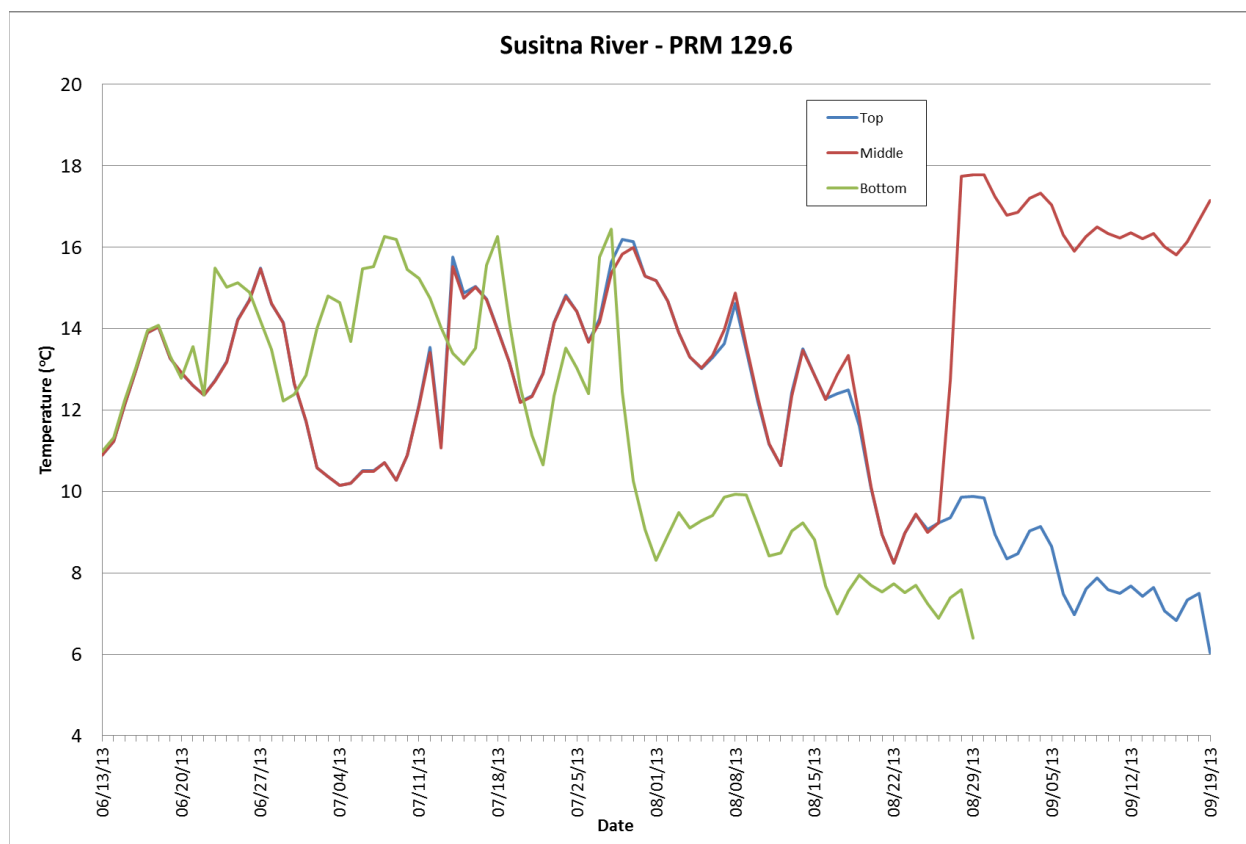


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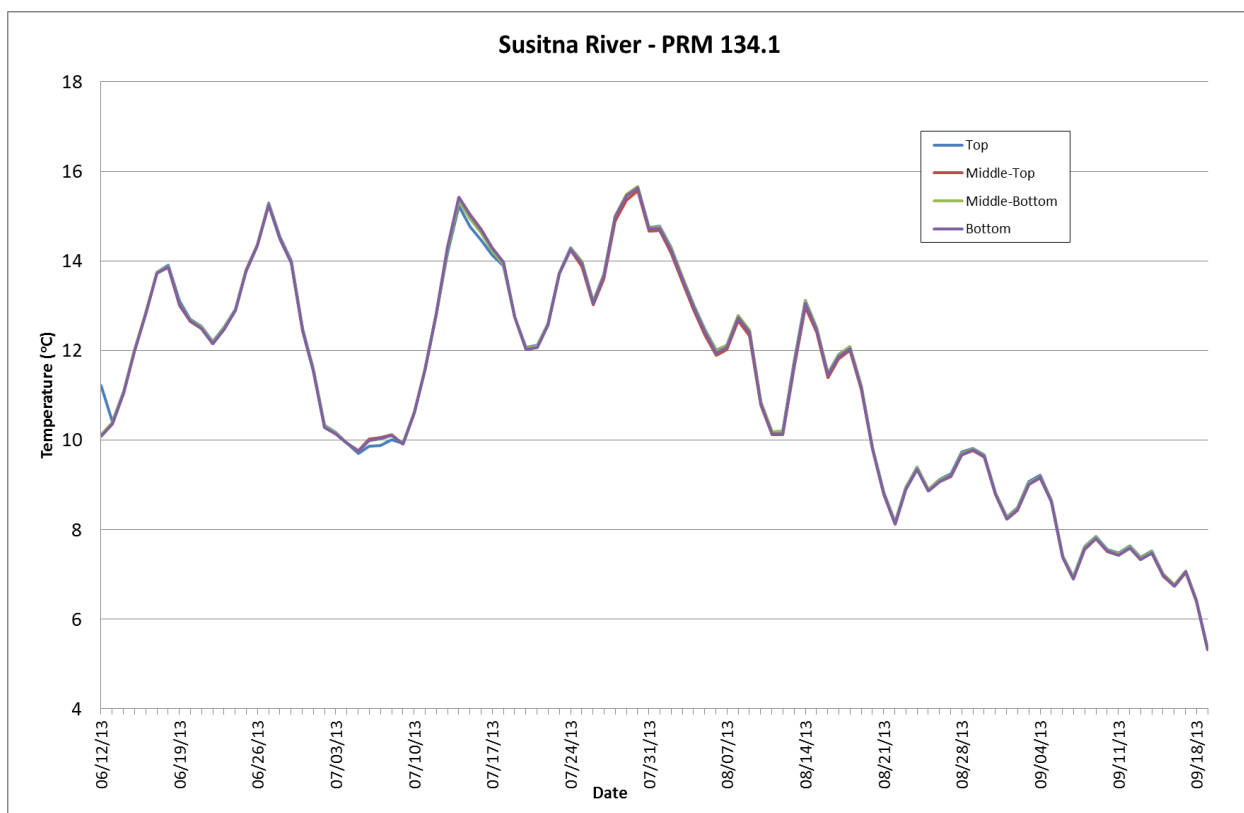
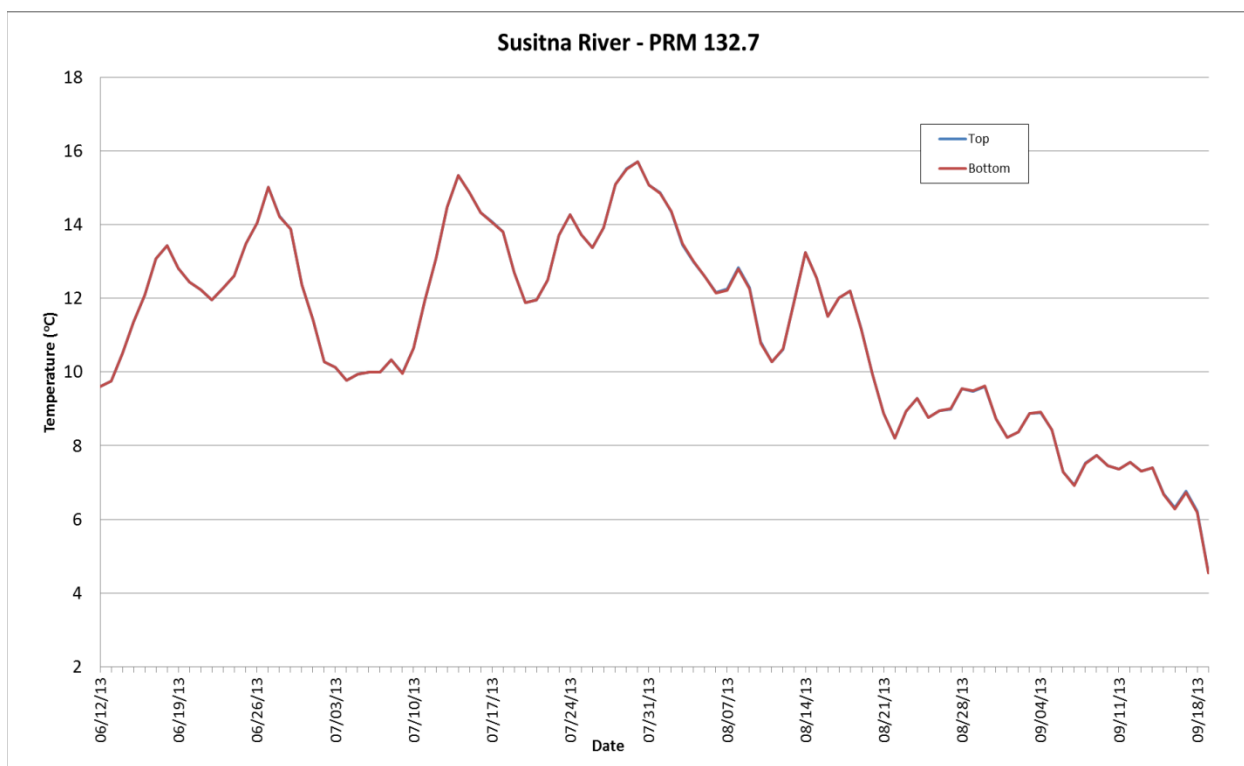


Figure B-9. 2013 Thermistor Temperature Data for the Susitna Project Area.

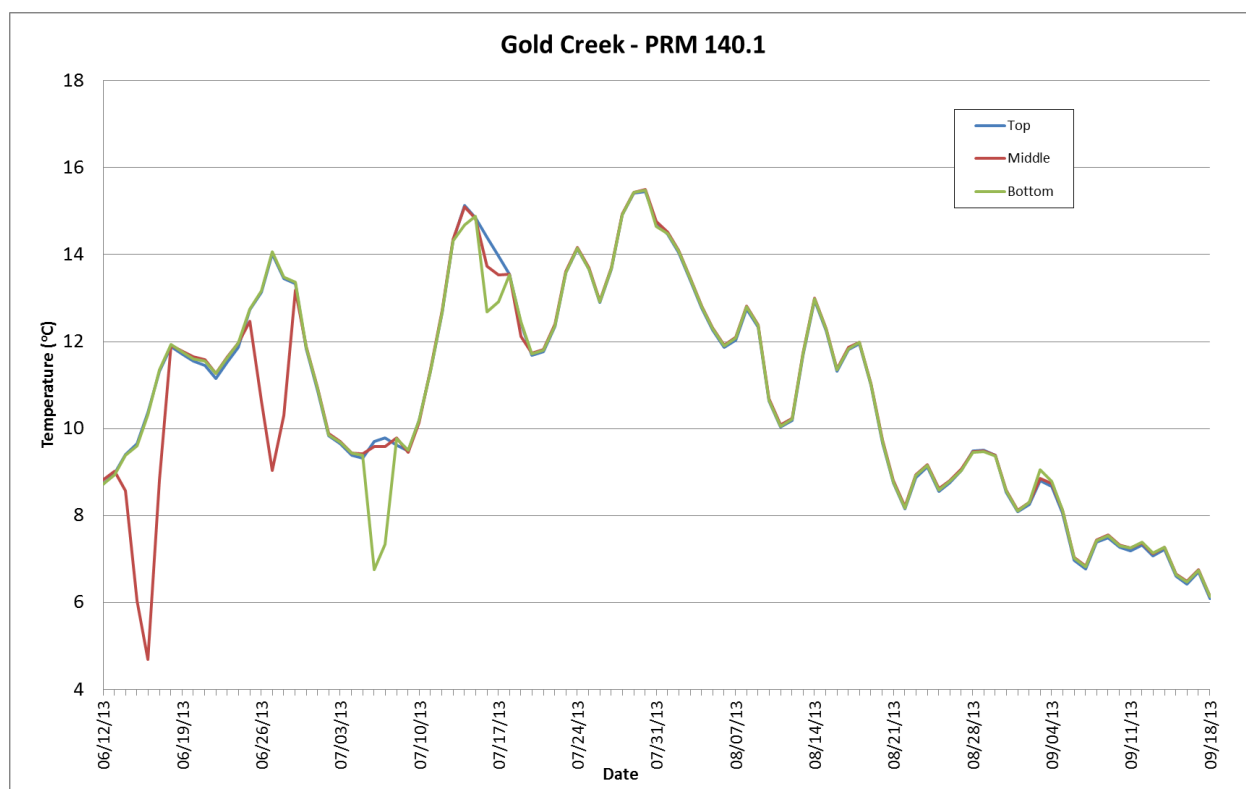
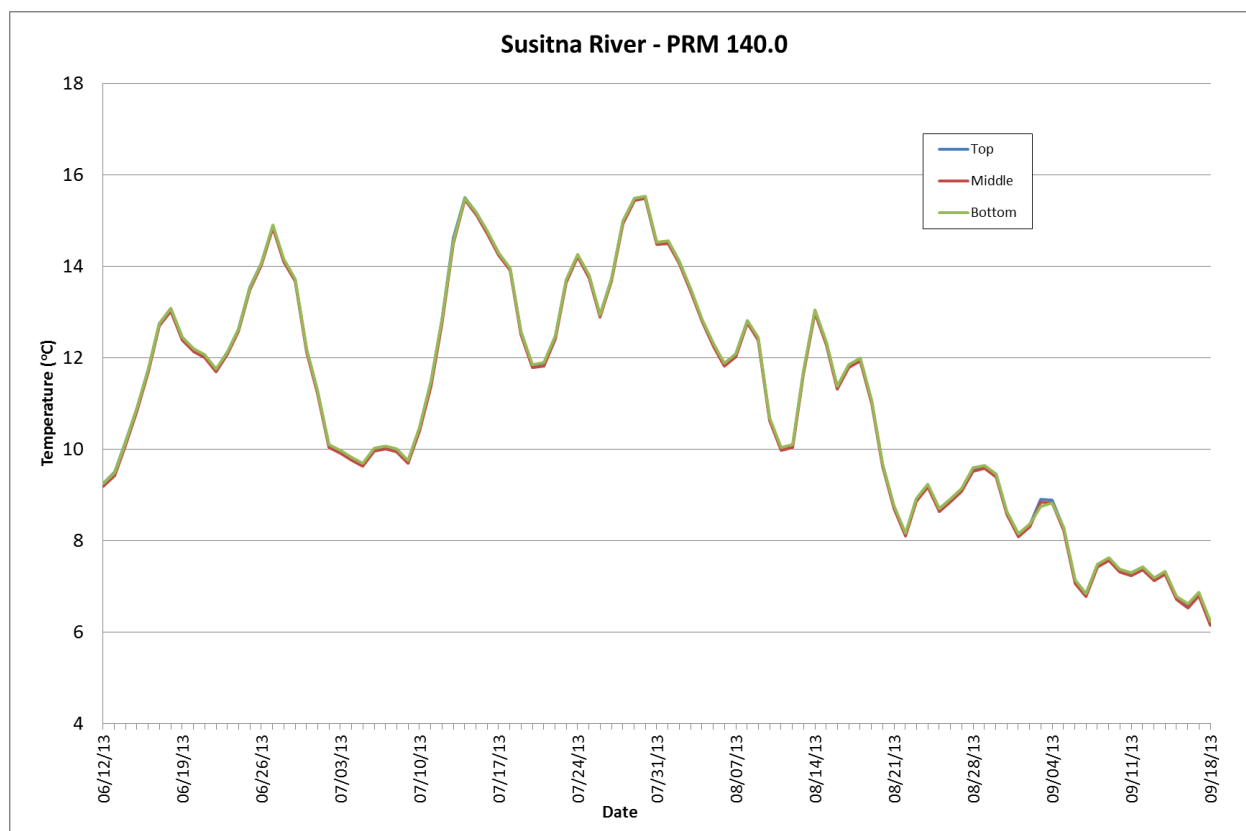


Figure B-10. 2013 Thermistor Temperature Data for the Susitna Project Area.

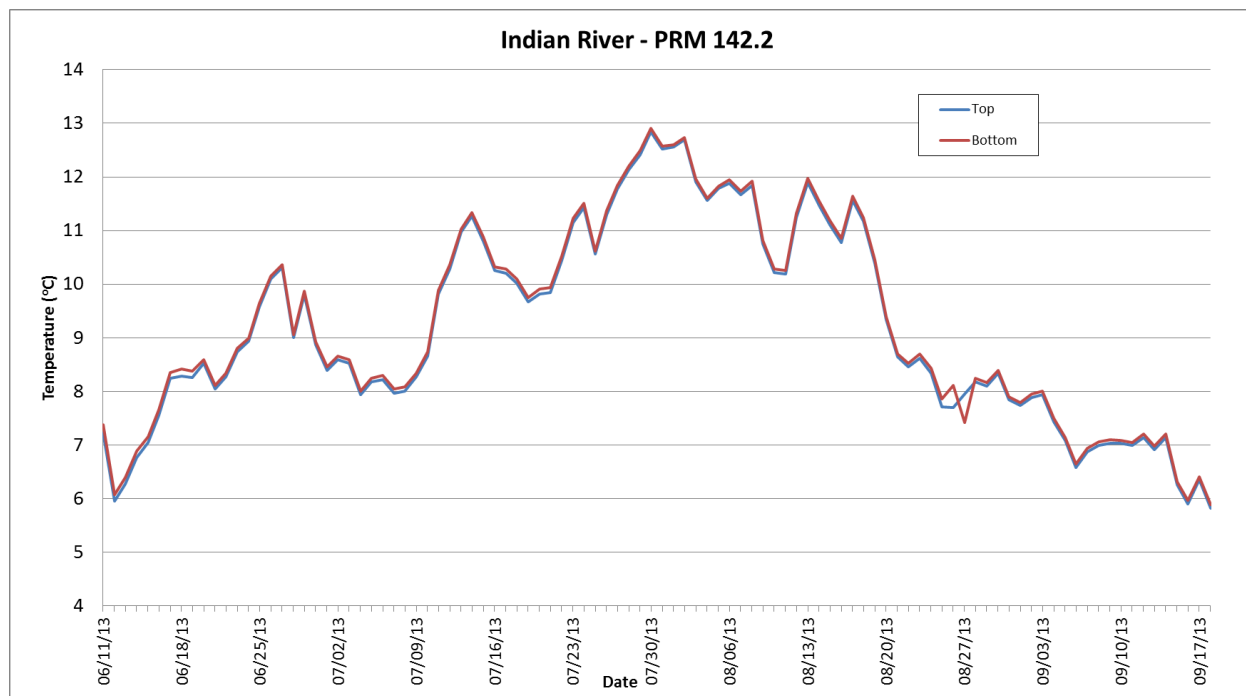
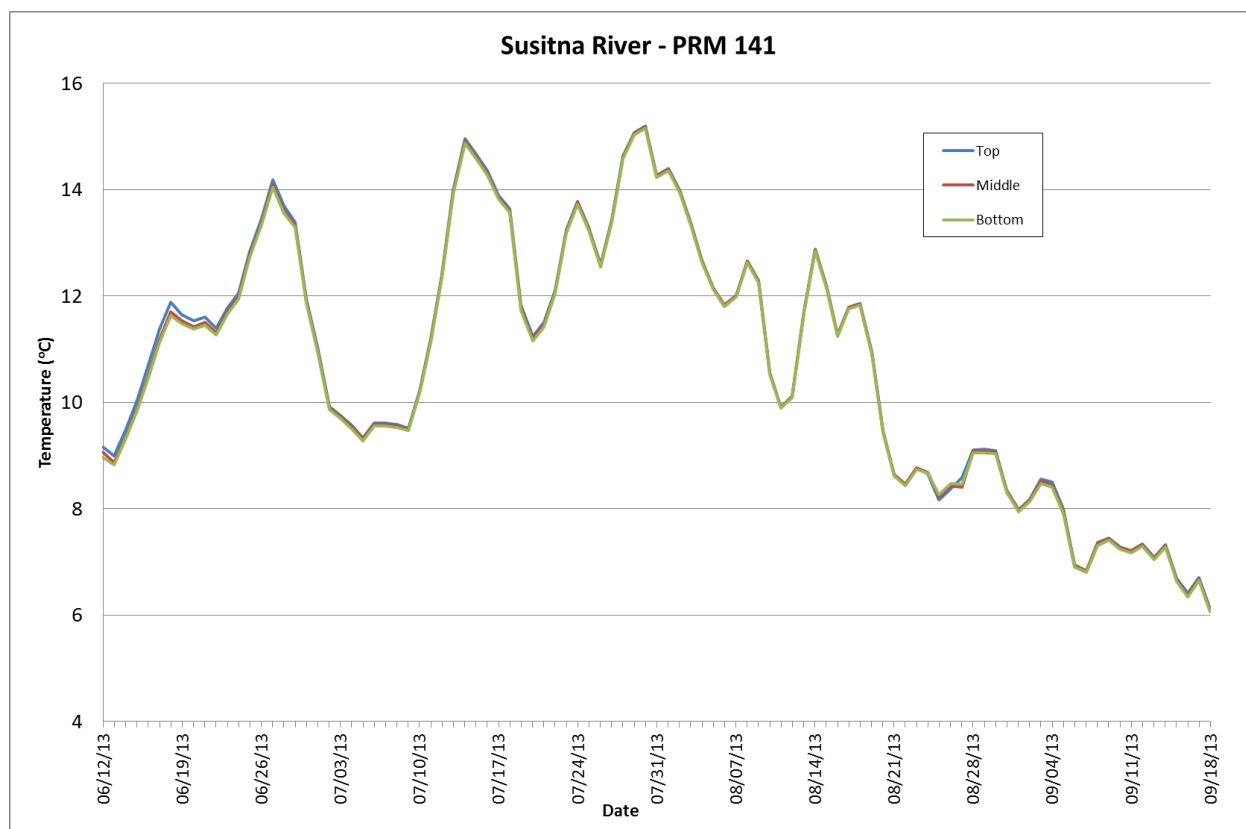


Figure B-11. 2013 Thermistor Temperature Data for the Susitna Project Area.

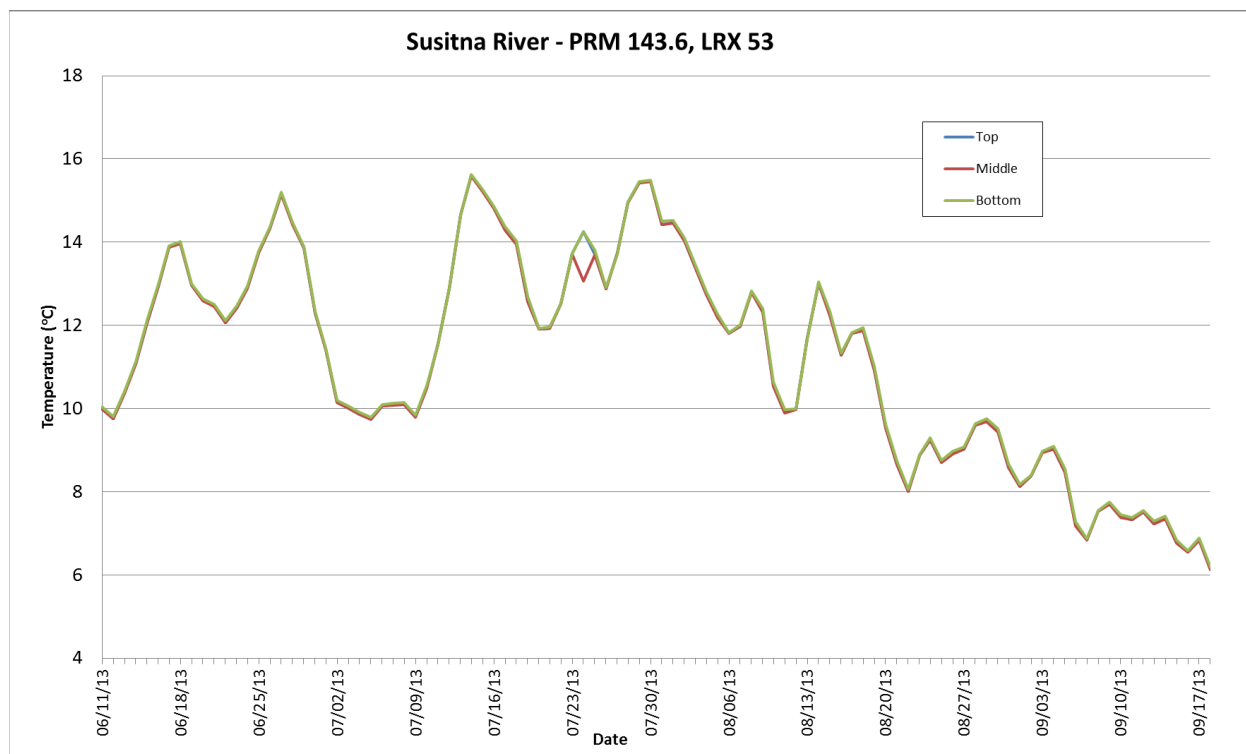
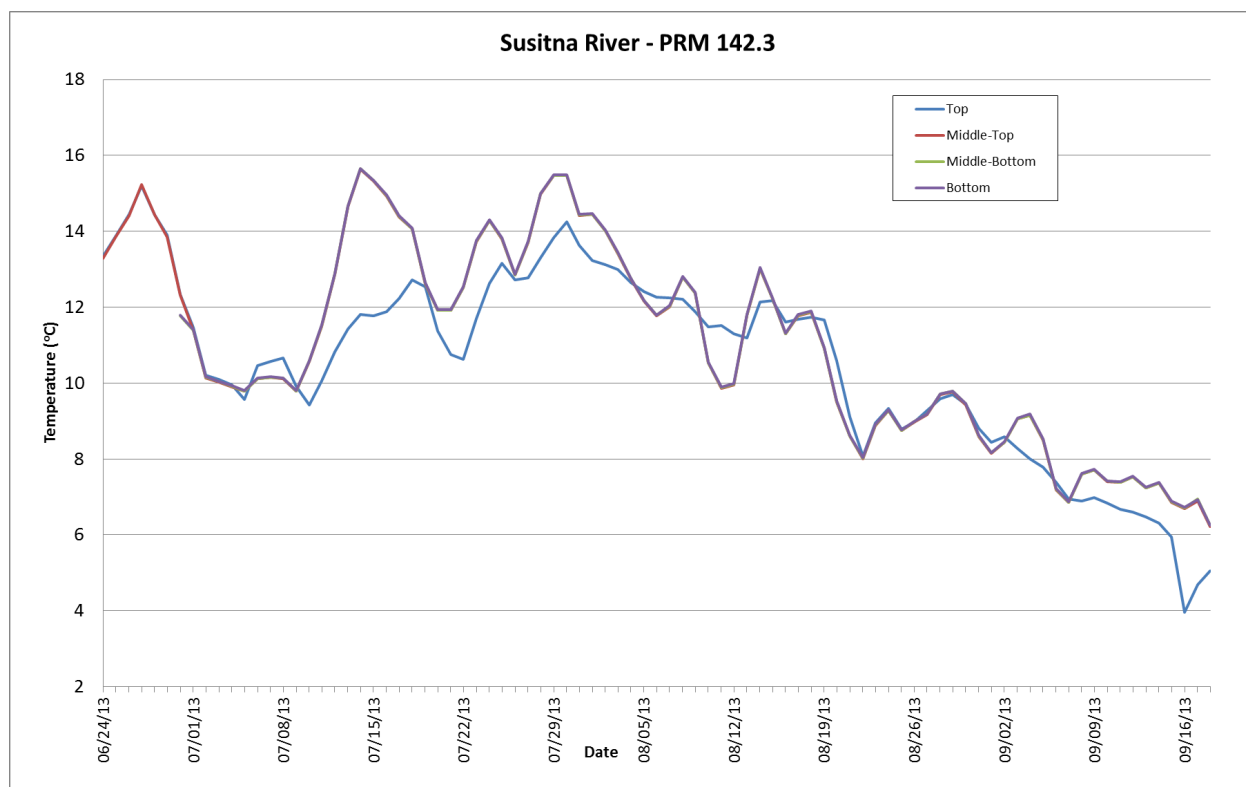


Figure B-12. 2013 Thermistor Temperature Data for the Susitna Project Area.

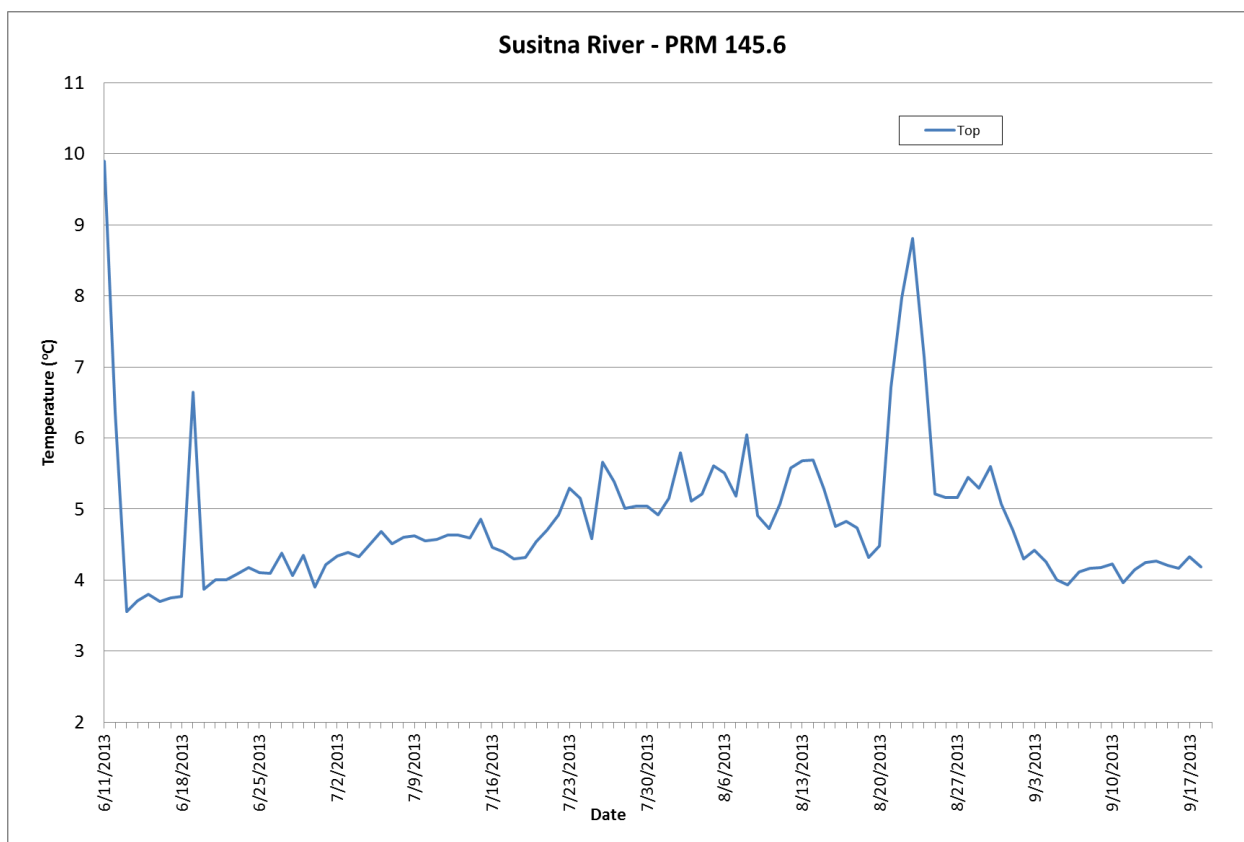
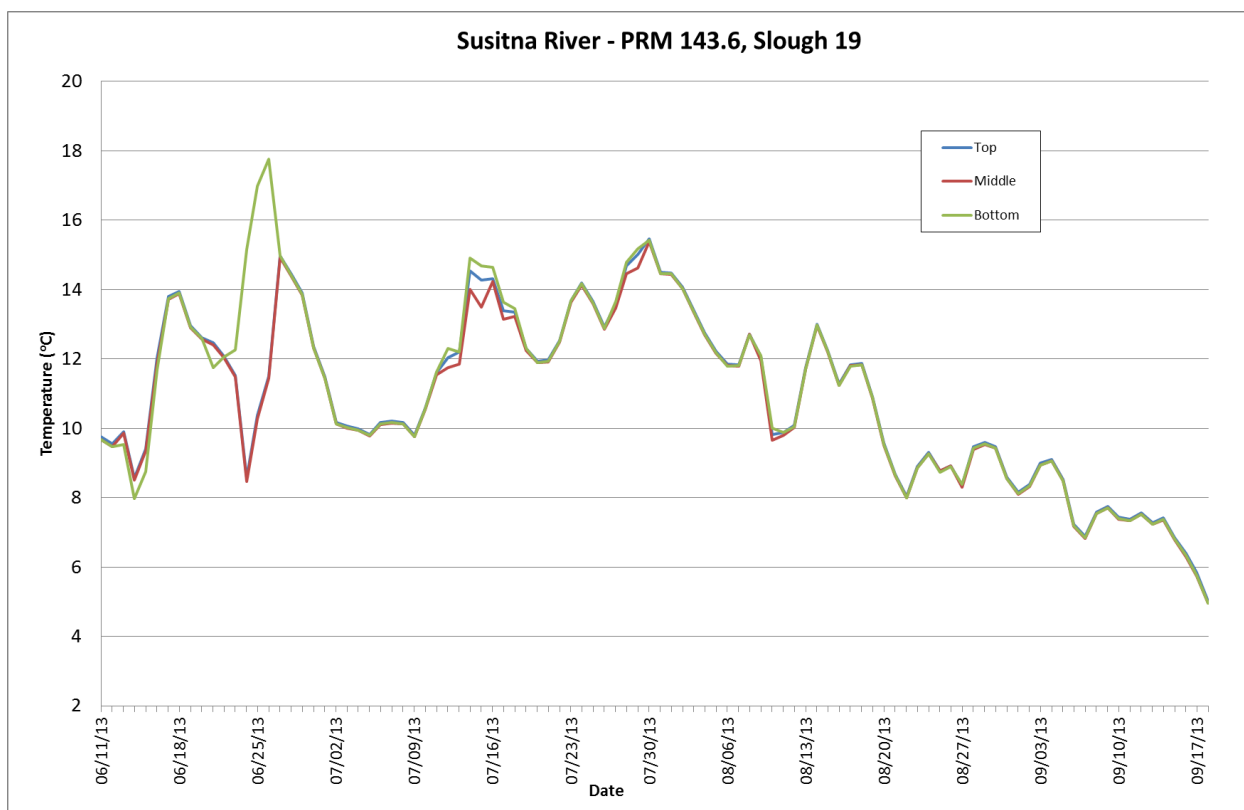


Figure B-13. 2013 Thermistor Temperature Data for the Susitna Project Area.

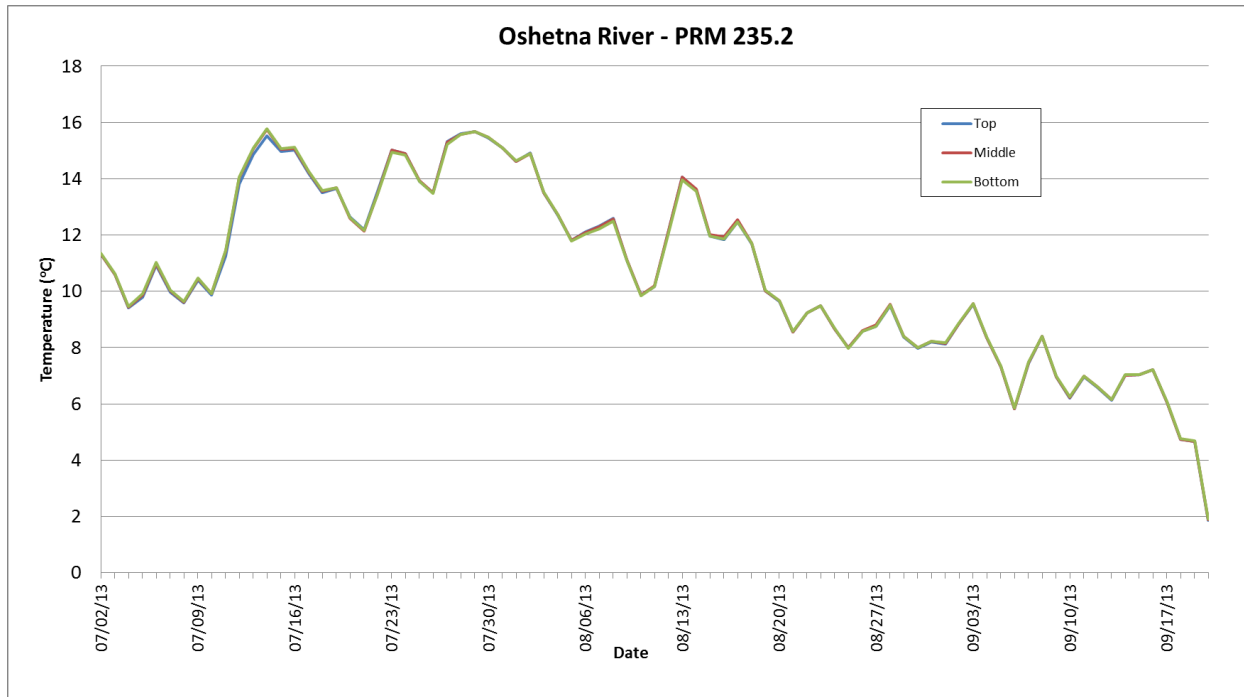
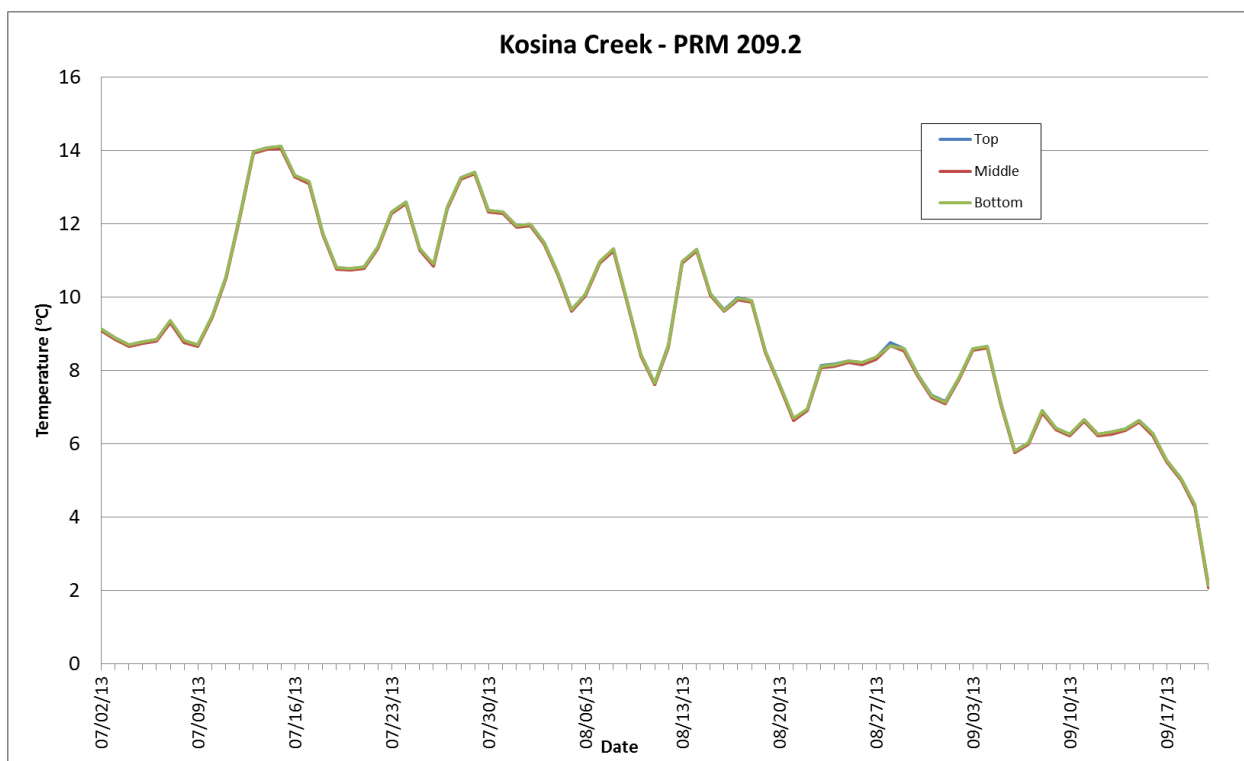


Figure B-14. 2013 Thermistor Temperature Data for the Susitna Project Area.

**Susitna-Watana Hydroelectric Project
(FERC No. 14241)**

Baseline Water Quality Study (5.5)

**Part A - Appendix C
Water Quality Meteorological Station Data**

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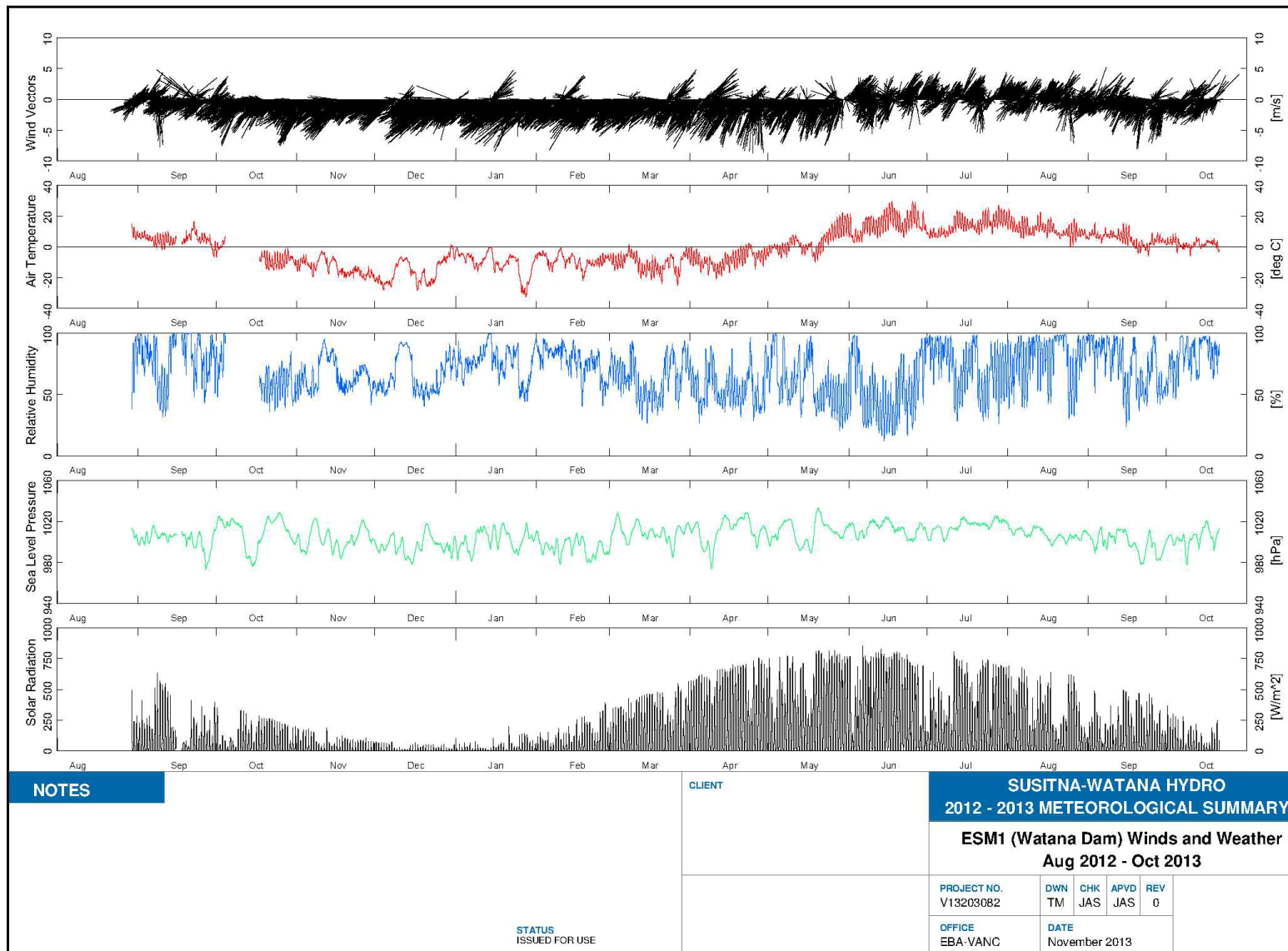
SUSITNA-WATANA HYDRO

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Prepared by

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June 2014



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Figure C-1. ESM1 Watana Dam Site Winds and Weather Meteorological Summary, 2012-2013

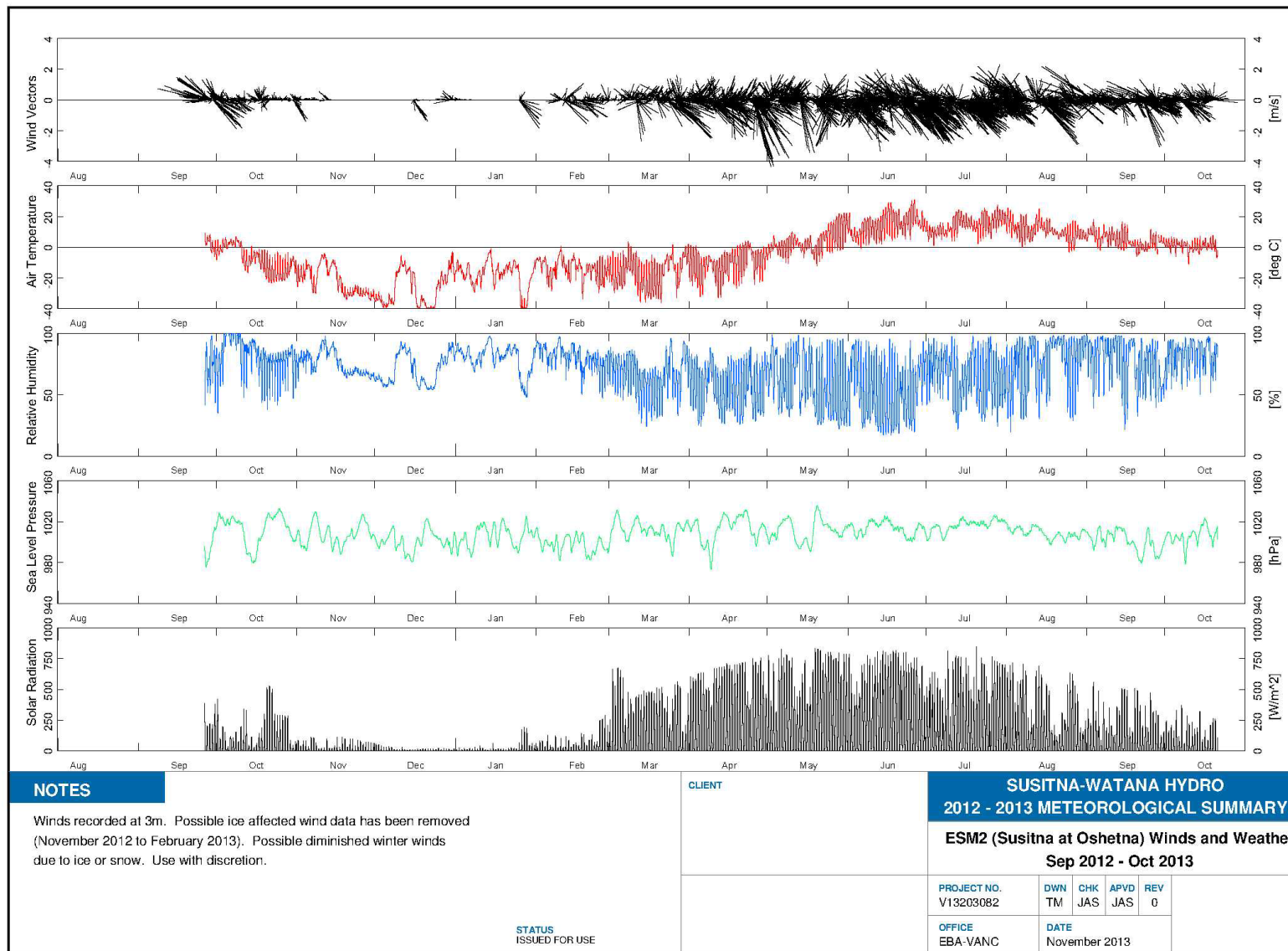


Figure C-2. ESM2 Susitna at Oshetna Winds and Weather Meteorological Summary, 2012-2013

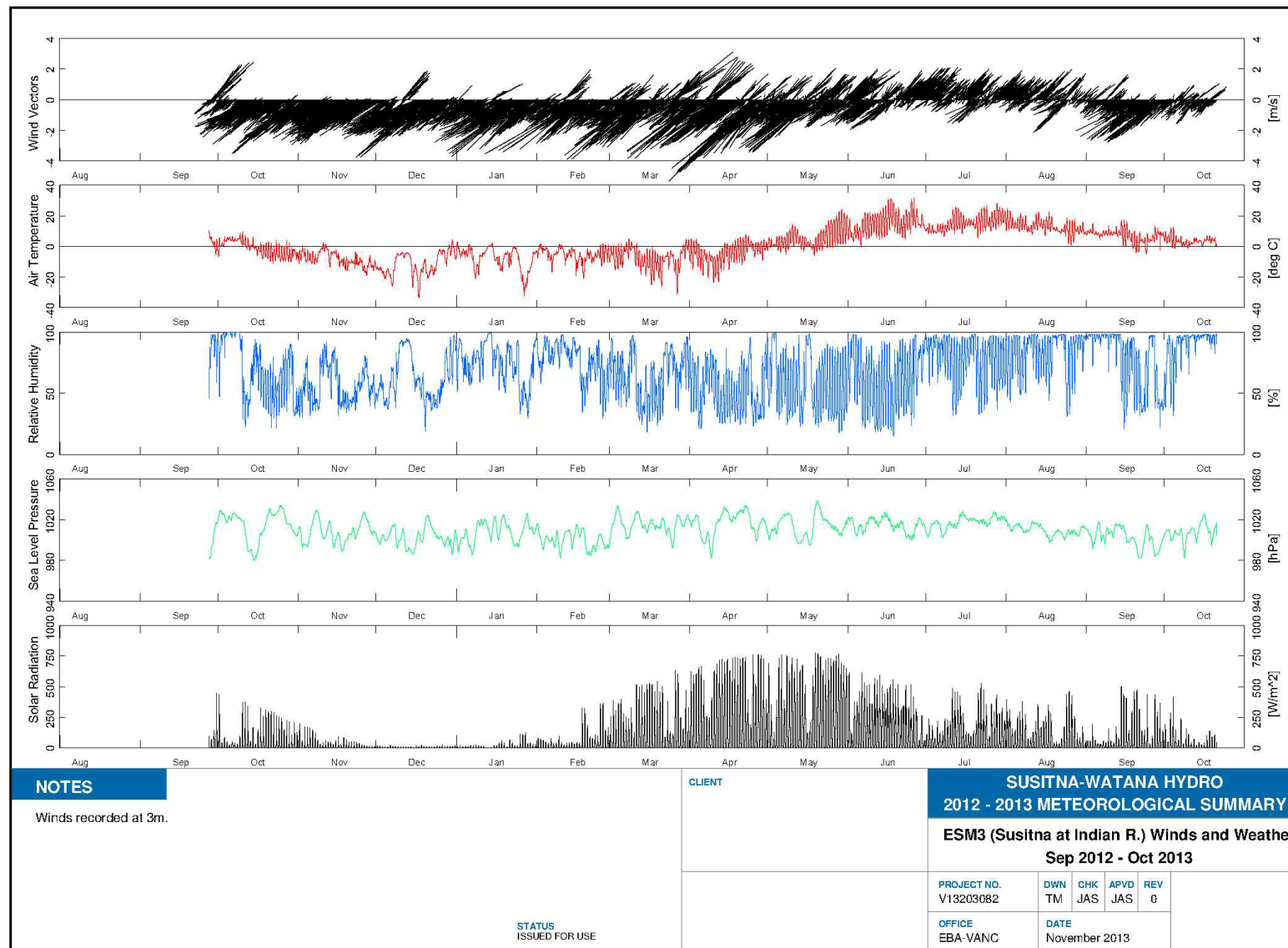


Figure C-3. ESM3 Susitna at Indian River Winds and Weather Meteorological Summary, 2012-2013

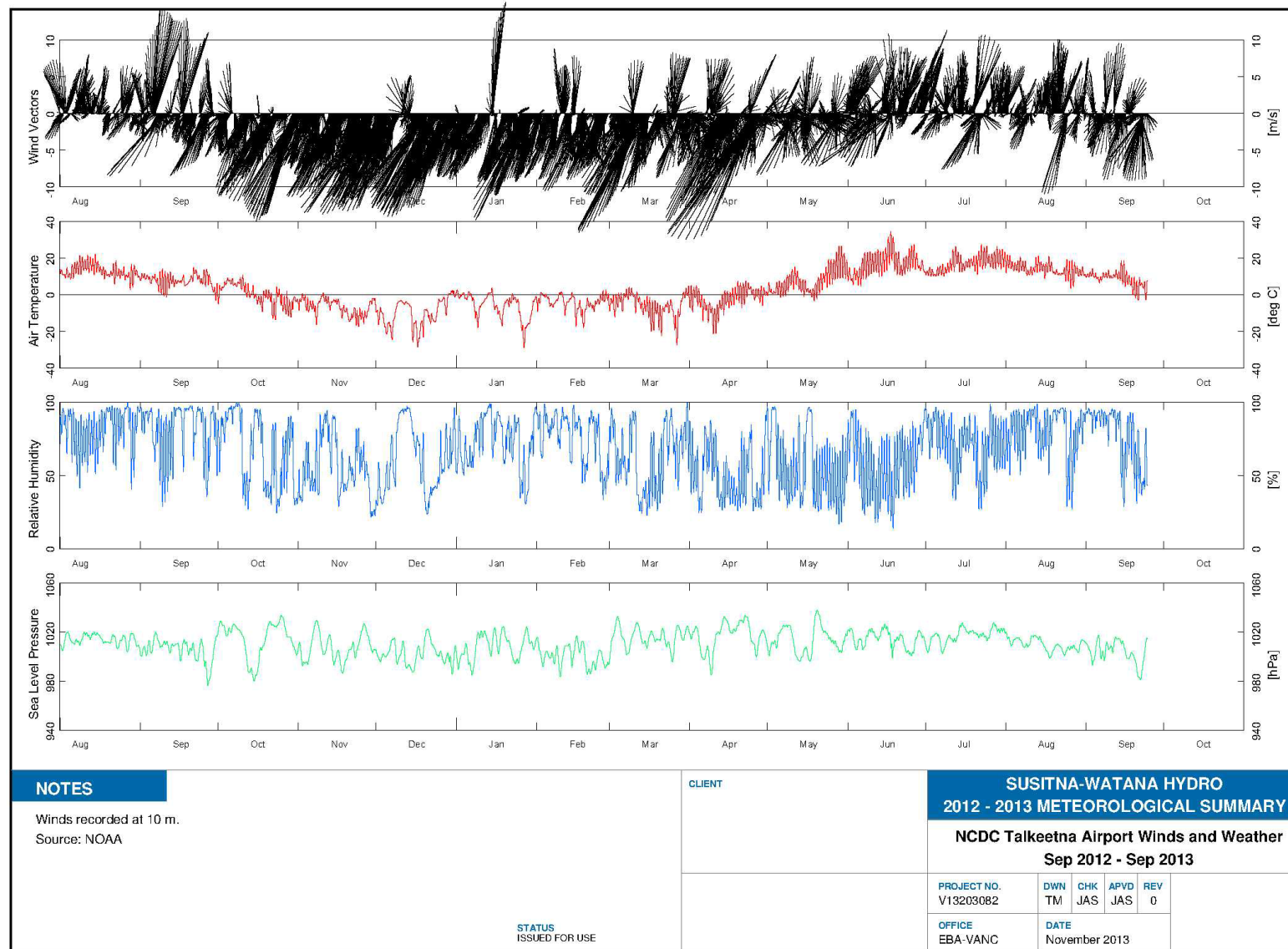
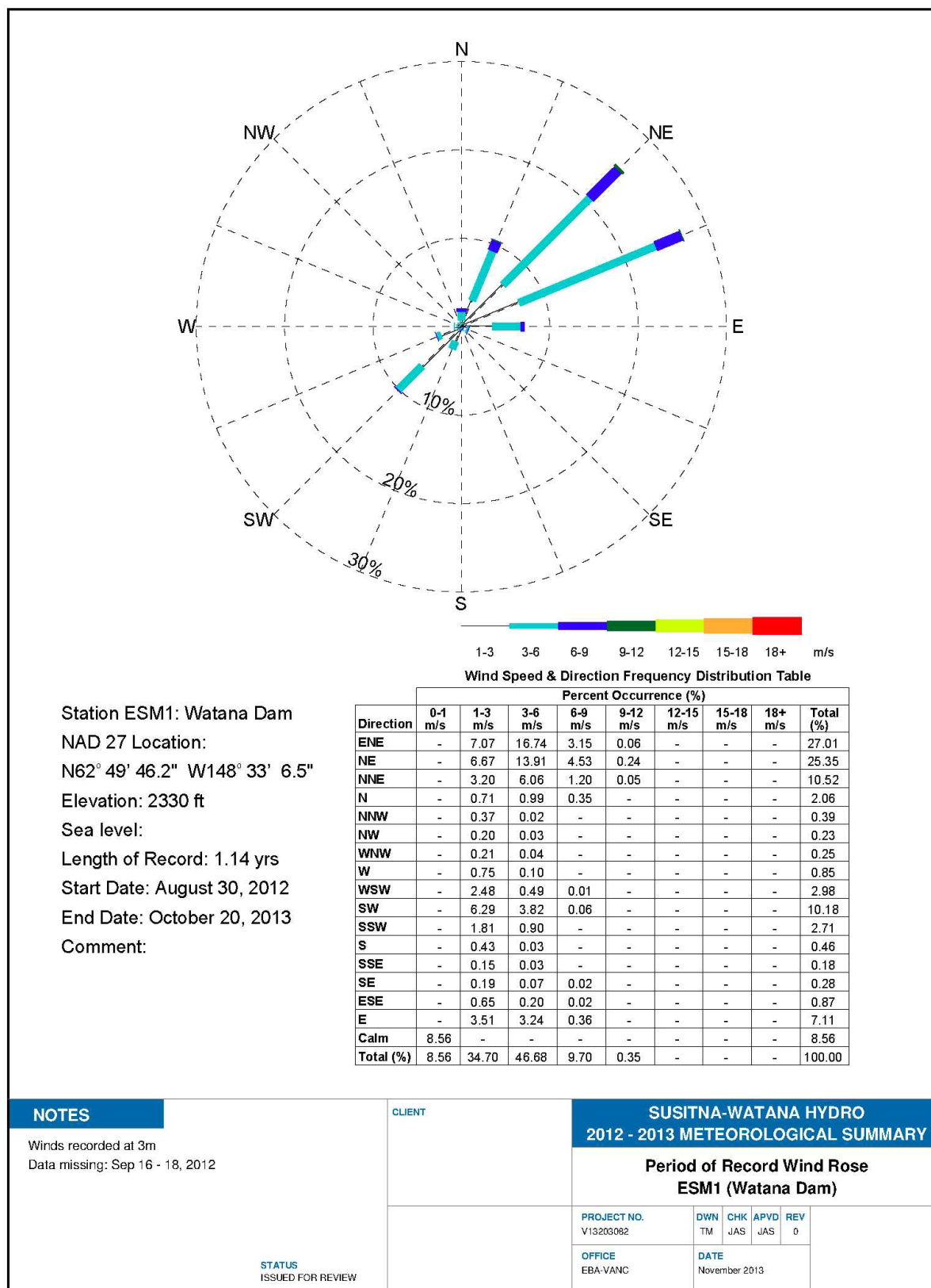
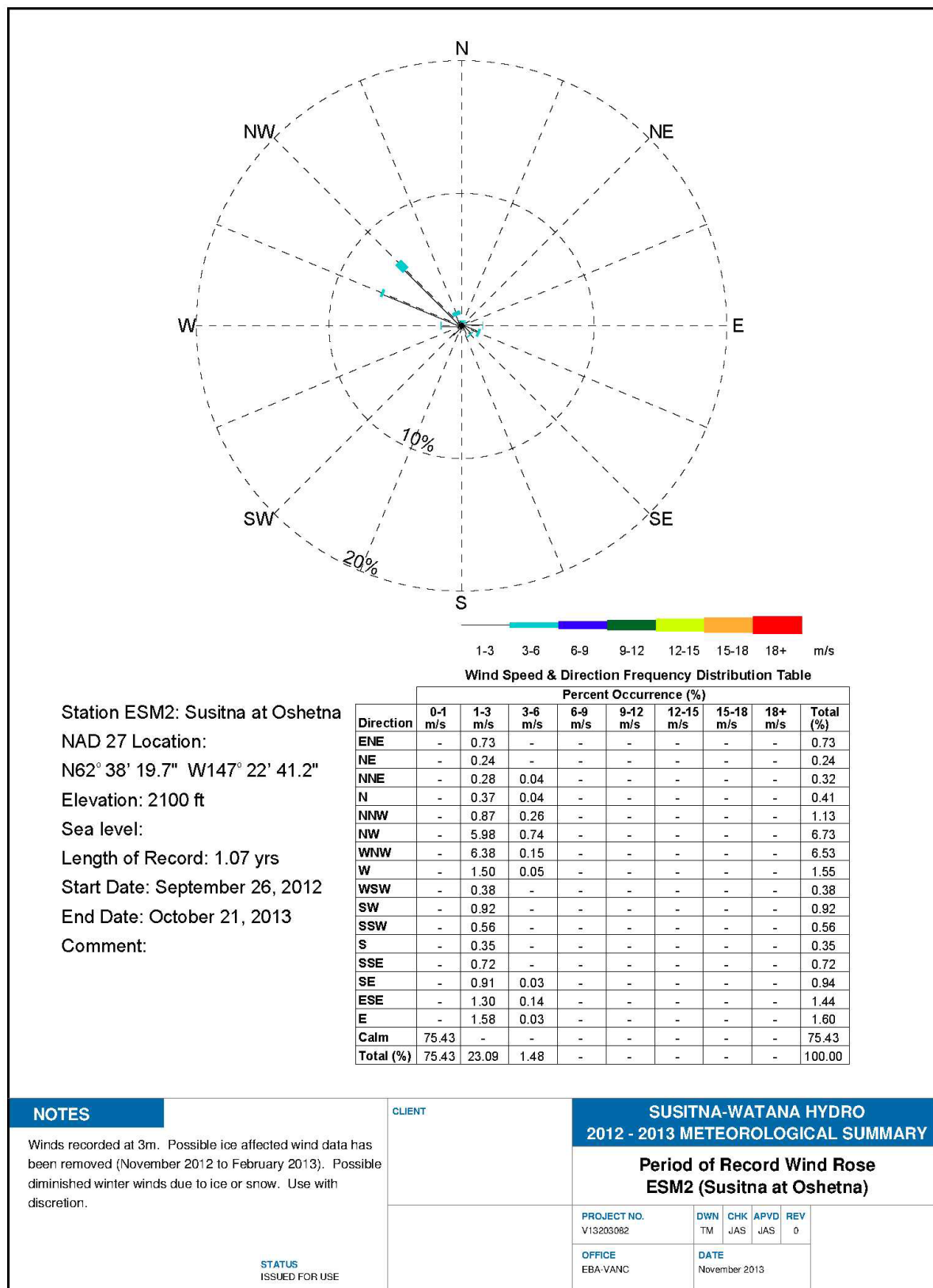


Figure C-4. Talkeetna Airport Station Winds and Weather Meteorological Summary, 2012-2013



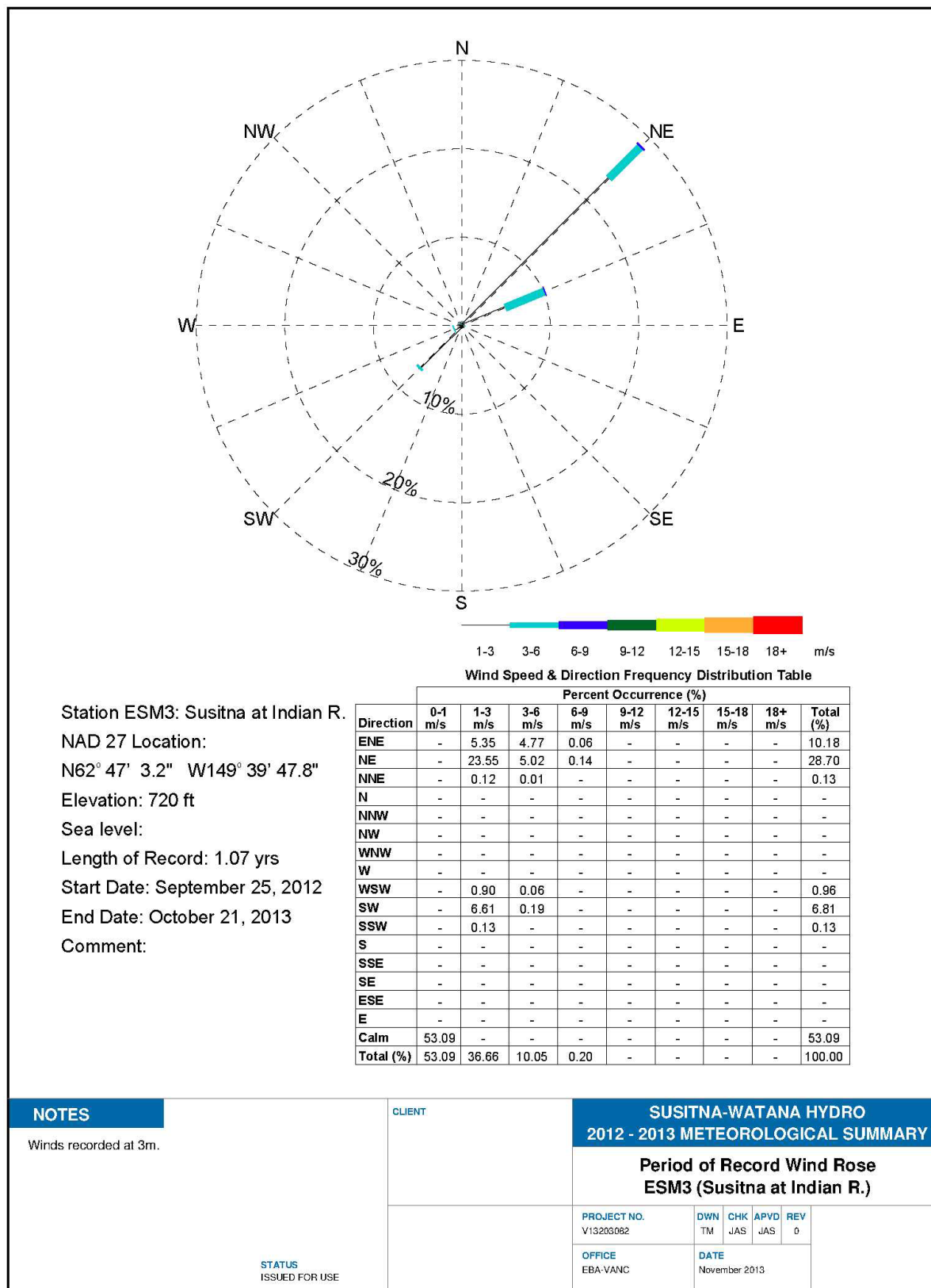
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Figure C-5. Period of Record Wind Rose for ESM1, the Watana Dam Site, 2012-2013.



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Figure C-6. Period of Record Wind Rose for ESM2 the Susitna at Oshetna Site, 2012-2013.



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Figure C-7. Period of Record Wind Rose for ESM3 Susitna at Indian River, 2012-2013.

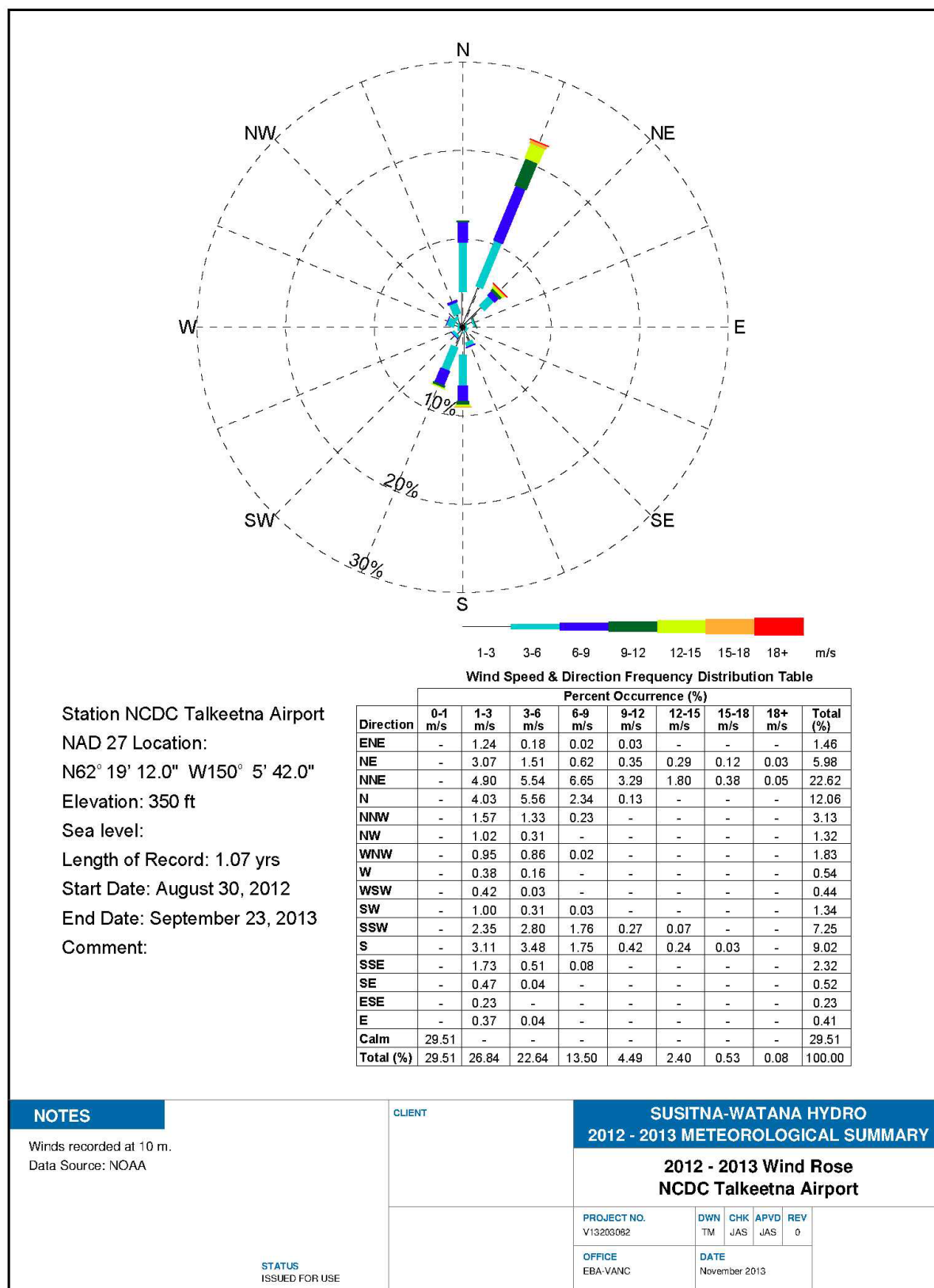


Figure C-8. Period of Record Wind Rose for Talkeetna Airport, 2012-2013

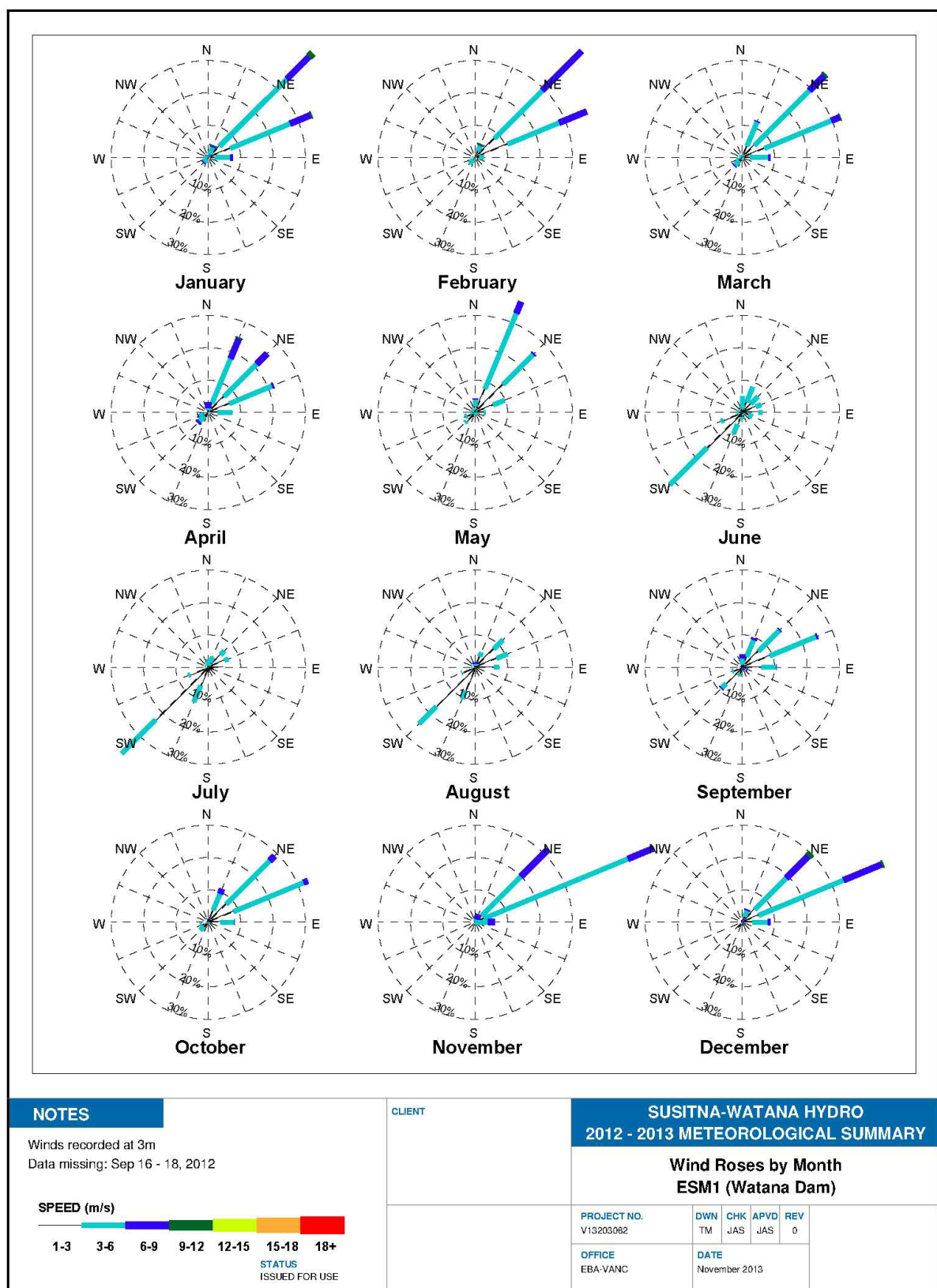


Figure C-9. Wind Roses by Month for ESM1, the Watana Dam Site, 2012-2013

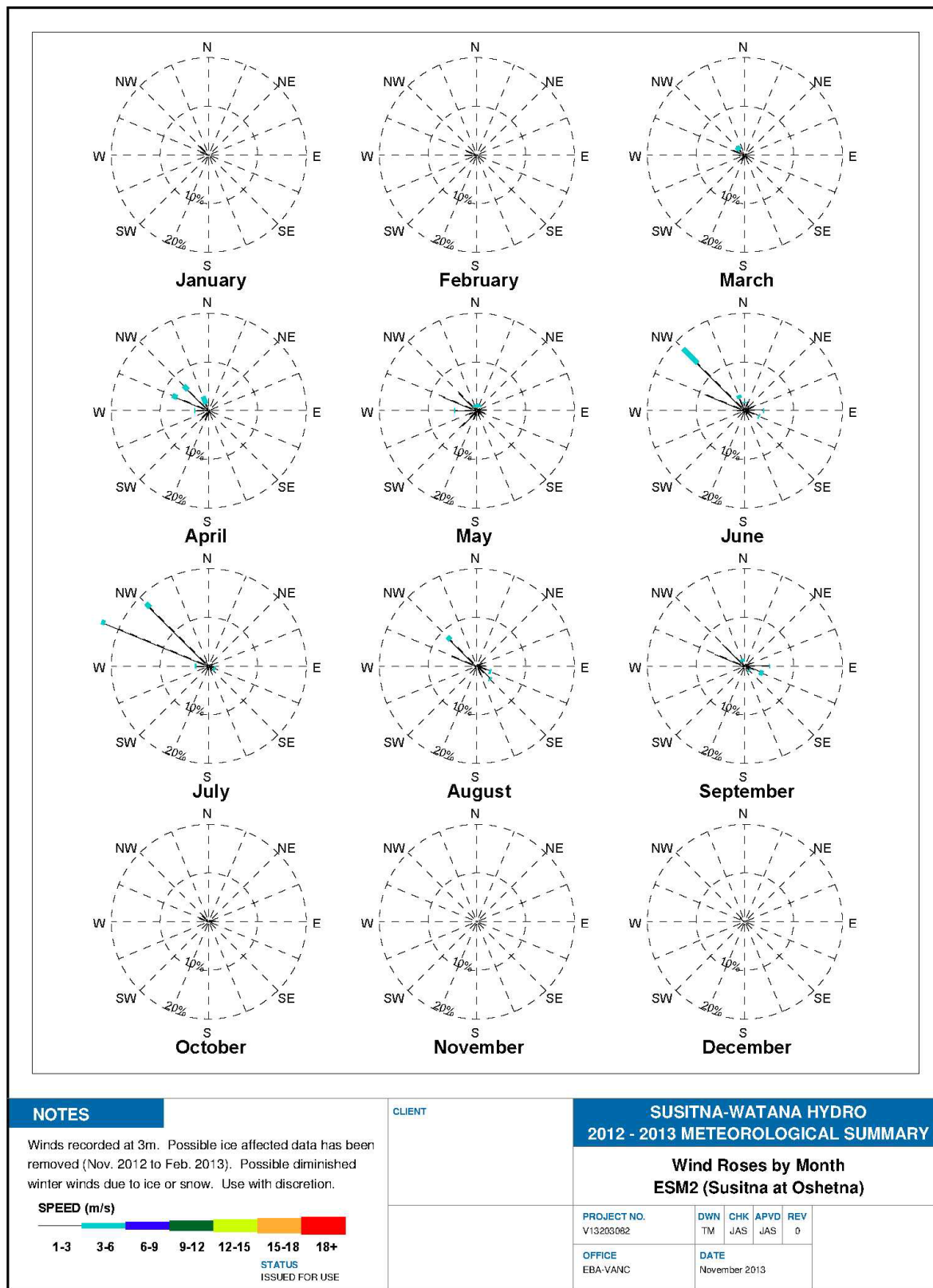


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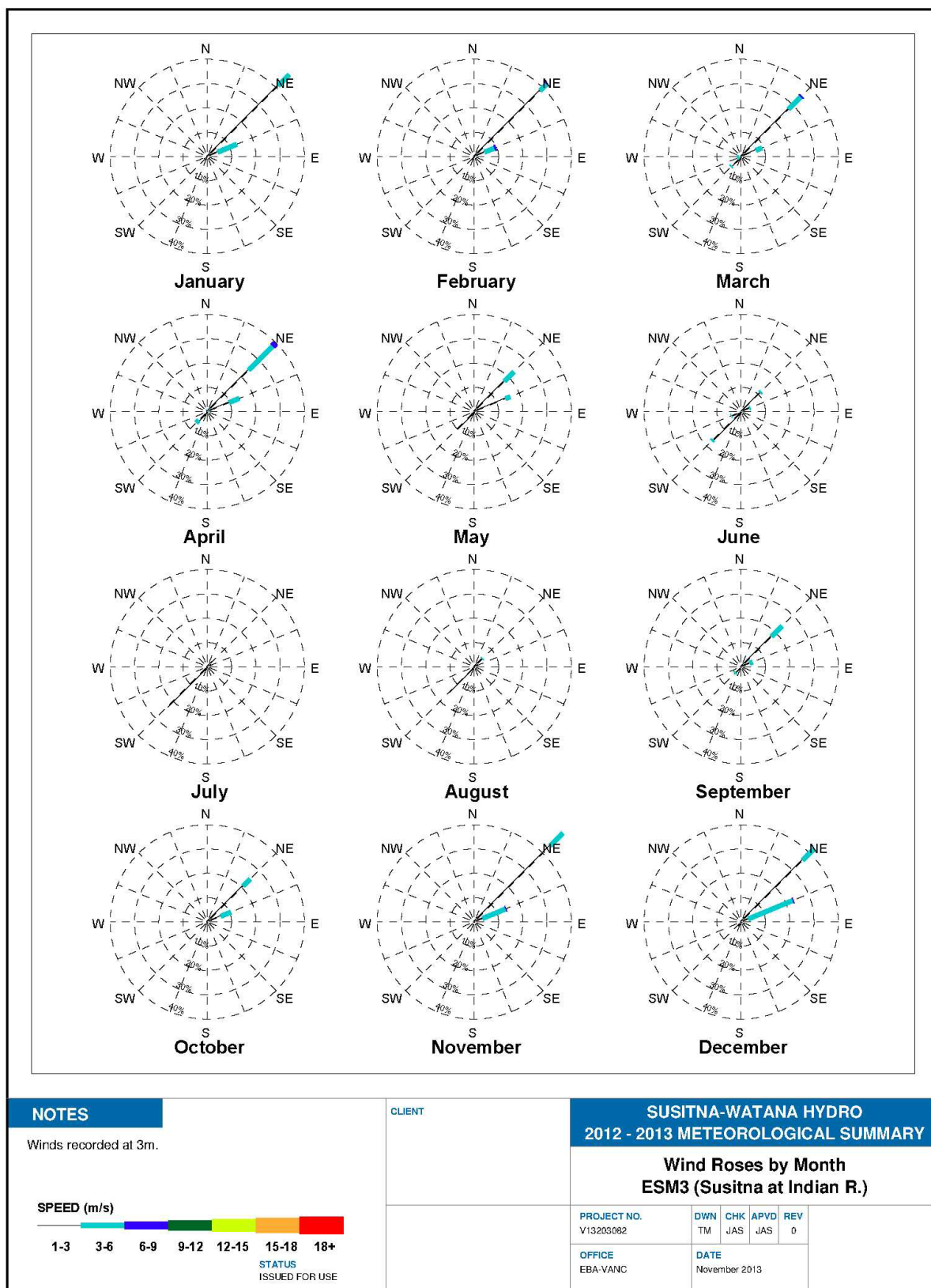


Figure C-11. Wind Roses by Month for ESM3, the Susitna at Indian River Site, 2012-2013

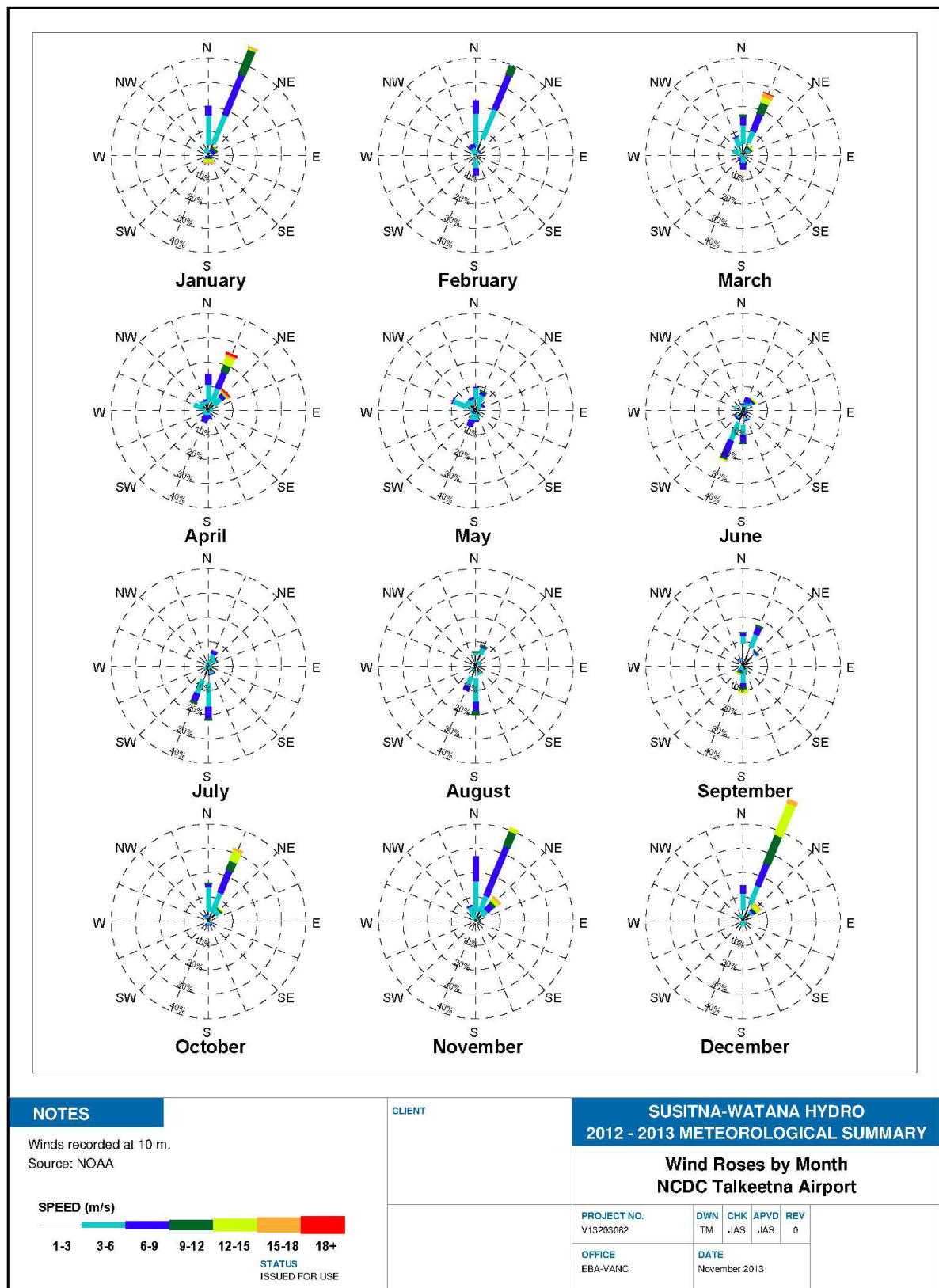


Figure C-12. Wind Roses by Month for the Talkeetna Airport Site, 2012-2013

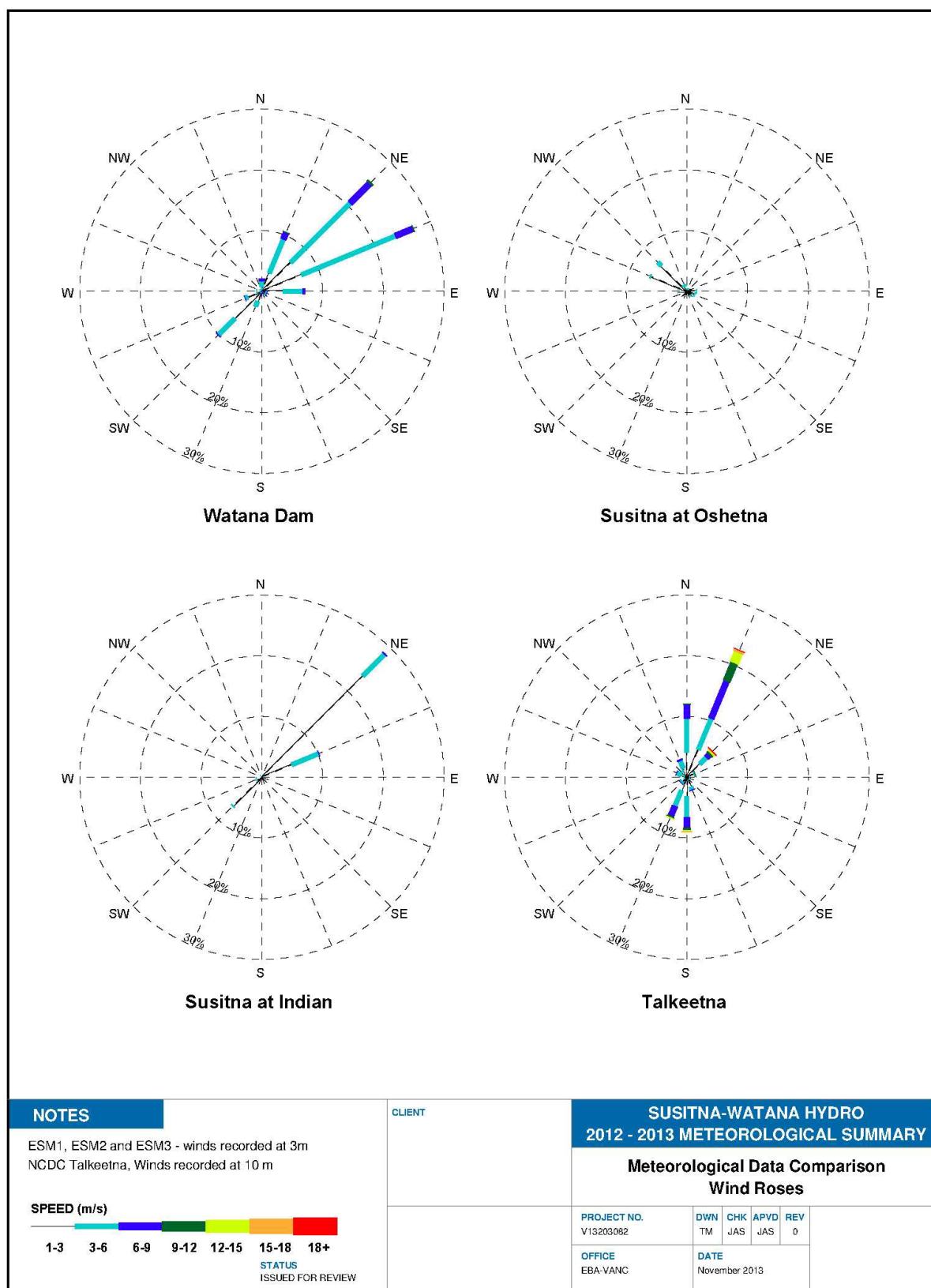
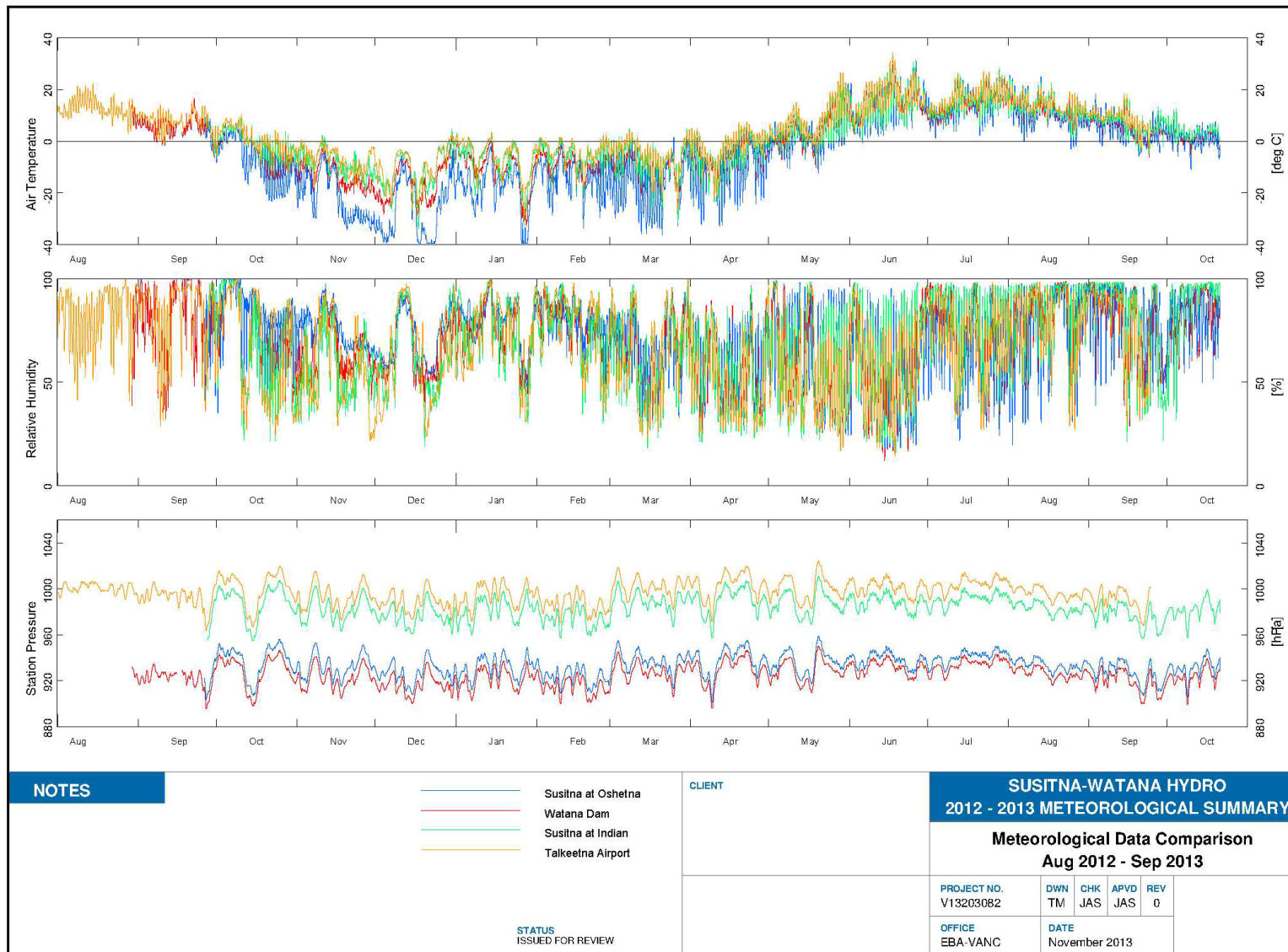


Figure C-13. Comparison of Wind Roses for all Susitna Sites, 2012-2013



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Figure C-14. Meteorological Data Comparison for all Susitna Sites, 2012-2013