

APPENDIX L
2D Study Site Hydrodynamics Calibration Results

List of Tables

- Table L-1. Summary of Error Between Measured and Modeled Water Surface Elevations for Validation of 2D Hydrodynamics.

List of Figures

- Figure L-1. Stage-Discharge Regression for 2D Hydrodynamics Modeling at Middle Fork American River Mile 26.2 above Ralston Afterbay, (Top) Upstream Site and (Bottom) Downstream Site
- Figure L-2. Stage-Discharge Regression for 2D Hydrodynamics Modeling at Rubicon River Mile 3.5, (Top) Upstream Site and (Bottom) Downstream Site.
- Figure L-3. Stage-Discharge Regression for 2D Hydrodynamics Modeling at Middle Fork American River Mile 14.1, Fords Bar.
- Figure L-4. Stage-Discharge Regression for 2D Hydrodynamics Modeling at Middle Fork American River Mile 4.8, Buckeye Bar.

Cross-section Velocity Validation Plots

- Figure L-5. Modeled Velocity and Depth Validations for Buckeye Bar (Top) Transect 1 and (Bottom) Transect 2 at the Mid Calibration Flow 452 cfs. Velocities Measured by Acoustic Doppler Profiler (ADP) Method.
- Figure L-6. Modeled Velocity and Depth Validations for Buckeye Bar (Top) Transect 3 and (Bottom) Transect 4 at the Mid Calibration Flow 452 cfs. Velocities Measured by ADP Method.
- Figure L-7. Modeled Velocity and Depth Validations for Buckeye Bar (Top) Transect 5 (Wading Method) and (Bottom) Transect 6 (ADP Method) at the Mid Calibration Flow 452 cfs.
- Figure L-8. Modeled Velocity and Depth Validations for Fords Bar (Top) Approximate Transect 1 Location at the Mid Calibration Flow 407.6 cfs (Wading Method) and Approximate Transect 2 Location at the High Calibration Flow 1018 cfs (ADP Method)
- Figure L-9. Modeled Velocity and Depth Validations for Fords Bar (Top) Approximate Transect 3 Location at the High Calibration Flow 1018 cfs (ADP Method) and Approximate Transect 4 Location at the Mid Calibration Flow 407.6 cfs (Wading Method).

Scatter Plots of Velocity Validation Data

- Figure L-10. Modeled versus Measured Depth and Velocity for the Middle Fork American River Mile 26.2, Downstream Site.
- Figure L-11. Modeled versus Measured Depth and Velocity for the Rubicon River Mile 3.5, Upstream Site.
- Figure L-12. Modeled versus Measured and Velocity for the Middle Fork American River Mile 26.2, Upstream Site.
- Figure L-13. Modeled versus Measured Depth and Velocity for the Rubicon River Mile 3.5, Downstream Site.

TABLE

FIGURES