

**APPENDIX J**

**1D Study Site Velocity Sensitivity Analysis and Hydraulic Calibration Results**

(See Attached Electronic Media)

**List of Figures**

- Figure J-1. Duncan Creek - D6.3 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.
- Figure J-2. Long Canyon Creek - LC9.0 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.
- Figure J-3. Middle Fork of the American River - MF44.7 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.
- Figure J-4. Rubicon River - R25.7 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.
- Figure J-5. Rubicon River - R20.9 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.
- Figure J-6. Rubicon River – R3.5 Weighted Usable Area Results by Species/Lifestage from Velocity Modeling Sensitivity Analysis Comparing Original (O) and Revised (R) Modeled Velocities. Negative Velocities Removed from Revised Set.

**List of Attachments**

Attachment A - 1D Hydraulics Calibration Results by Cross Section for Each 1D Study Site (AQ - 1 Instream Flow) and Special Purpose 1D Modeling Sites (AQ – 9 Geomorphology, AQ – 10 Riparian Resources and AQ – 12 Special-Status Amphibian and Aquatic Reptile):

**AQ – 1 Instream Flow Study Sites****File Name**

Duncan Creek Below Diversion.....01\_D6.3\_calibration\_report.xls  
 North Fork Long Canyon Creek Below Diversion ..... 02\_NFLC1.9\_calibration\_report.xls  
 South Fork Long Canyon Creek Below Diversion ..... 03\_SFCLC2.3\_calibration\_report.xls

AQ – 1 Instream Flow Study Sites (continued)

File Name

Long Canyon Creek Above Ramsey Crossing .....04\_LC9.0\_calibration\_report.xls  
Middle Fork American River Below French Meadows .. 05\_MF44.7\_calibration\_report.xls  
Middle Fork American River Above Interbay ..... 06\_MF36.2\_calibration\_report.xls  
Middle Fork American River Above Ralston Afterbay... 07\_MF26.2\_calibration\_report.xls  
Rubicon River Above Parsley Bar (Helicopter Site) .....08\_R25.7\_calibration\_report.xls  
Rubicon River Below Ellicott Bridge .....09\_R20.9\_calibration\_report.xls  
Rubicon River at Confluence with Long Canyon Creek..... 10\_R3.5\_calibration\_report.xls

*SPECIAL PURPOSE MODELING*

AQ – 9 Geomorphology Study Sites

Duncan Creek below Diversion.....11\_D8.3\_calibration\_report.xls

AQ – 10 Riparian Resources Study Sites

Duncan Creek Above Diversion.....12\_D9.0\_calibration\_report.xls  
South Fork Long Canyon Creek Above Diversion ..... 13\_SFLC4.2\_calibration\_report.xls  
North Fork of the Middle Fork (3 Transects)..... 14\_NFMF2.3\_calibration\_report.xls  
North Fork American River at Ponderosa Bridge.....15\_NF31.3\_calibration\_report.xls  
North Fork American River (Helicopter Site).....16\_NF53.7\_calibration\_report.xls

AQ – 12 Special-Status Amphibian and Aquatic Reptile Study Sites

North Fork of the Middle Fork (One Transect).....See 14 Above  
North Fork American River at Shirrtial Creek...17\_NF35.7\_Shirttail\_calibration\_report.xls  
Shirrtail Creek.....See 17 Above

**FIGURES**

**ATTACHMENT A**

**1D Hydraulics Calibration Results by Cross Section for each 1D Study Site (AQ - 1 Instream Flow) and Special Purpose 1D Modeling Sites (AQ - 9 Geomorphology, AQ - 10 Riparian Resources and AQ - 12 Special-Status Amphibian And Aquatic Reptile)**

(See Attached Electronic Media)

