

Supporting Document B (SD B) Technical Study Reports Introduction

Supporting Document B (SD B) contains Technical Study Reports (TSRs) developed for the relicensing of Placer County Water Agency's (PCWA) Middle Fork American River Project (MFP or Project). These TSRs are a result of implementation of 28 FERC-approved Technical Study Plans (TSPs) that were developed in consultation with representatives from resource agencies, Native American Tribes, non-governmental organizations, and members of the public (SD B). Refer to the attached table for the status of each TSR.

It should be noted that the list of Project facilities and features, Project recreation facilities and features, and potential Project improvements (i.e., betterments) that were studied has evolved over the course of the relicensing process. For this reason, the reader may see different lists of facilities and features and improvements in TSRs. For example, only one Project improvement (Hell Hole Reservoir Seasonal Storage Increase Improvement) is carried forward in the Proposed Action; and some facilities evaluated in the relicensing studies were later determined unnecessary for future operation or maintenance of the MFP. Section 4.0 – Proposed Action of Exhibit E contains a list and description of the final Project facilities and features (Table 4-1), Project recreation facilities and features (Table 4-2), and Project improvements included under the Proposed Action and analyzed in this Draft Application for New License.

Each TSR includes a description of the study objectives, study area, approach, data analysis and results. Draft TSRs were distributed to the resource agencies, Native American Tribes, non-governmental organizations, and members of the public for a 60 or 90 day comment period, depending on the TSR. Following receipt of comments, a Final TSR addressing comments was prepared and distributed, with the following exceptions. One TSR (AQ 9 – Geomorphology Technical Study Report) (AQ 9 – TSR) (PCWA; 2010) (SD B) is included in this Draft Application for New License as a Draft TSR. A Final TSR for this study, addressing comments, will be included in the Final Application for New License. Three additional TSRs are currently in development including: AQ 5 – Bioenergetics Technical Study Report, AQ 7 – Entrainment Contingency Technical Study Report, and AQ 8 – Reservoir Fish Habitat Technical Study Report. PCWA will distribute these draft reports in late 2010 for review and comment. The Final TSRs, addressing comments on these reports, will also be included in the Final Application for New License.

Literature Cited

Placer County Water Agency (PCWA). 2010. AQ 9 – Geomorphology Technical Study Report (2010). Available in PCWA's Application for New License – Supporting Document B.

Technical Study Report (TSR) Distribution Dates.

	Draft Distribution Date	Final Distribution Date
Aquatic Resources		
AQ 1 - Instream Flow Technical Study Report	January 15, 2010	August 9, 2010
AQ 2 - Fish Population Technical Study Report - 2007-2009	January 7, 2010	June 10, 2010
AQ 3 - Macroinvertebrate and Aquatic Mollusk Technical Study Report - 2007	May 19, 2008	August 1, 2008
AQ 3 - Aquatic Mollusk Technical Study Report - 2008	February 19, 2009	April 29, 2009
AQ 4 - Water Temperature Modeling Technical Study Report	May 27, 2010	August 6, 2010
AQ 5 - Bioenergetics Technical Study Report	Late 2010	Final Application
AQ 6 - Fish Passage Technical Study Report - 2008	February 17, 2009	July 22, 2009
AQ 7 - Entrainment Contingency Study Technical Study Report - 2009	Late 2010	Final Application
AQ 8 - Reservoir Fish Habitat Technical Study Report	Late 2010	Final Application
AQ 9 - Geomorphology Technical Study Report - 2008	December 9, 2008	June 26, 2009
AQ 9 - Geomorphology Technical Study Report- 2010	September 28, 2010	Final Application
AQ 10 - Riparian Resources Technical Study Report - 2010	July 12, 2010	August 6, 2010
AQ 11 - Water Quality Technical Study Report - 2007	February 1, 2008	June 30, 2008
AQ 11 - Contingency Water Quality Technical Study Report: Methylmercury Fish Tissue Sampling (2007-2008)	February 19, 2010	June 9, 2010
AQ 12 - Special-Status Amphibian and Aquatic Reptile Technical Study Report - 2007	February 5, 2008	June 30, 2008
AQ 12 - Special-Status Amphibian and Aquatic Reptile Supplemental Report - California Red-Legged Frog Protocol-Level Survey Report	September 30, 2009	February 19, 2010
Cultural Resources		
CUL 1 - Cultural Resources Technical Study Report - 2007	December 13, 2007	April 25, 2008
CUL 1 - Cultural Resources Technical Study Report - 2008	December 12, 2008	March 24, 2009
CUL 1 - Cultural Resources National Register of Historic Places Eligibility Report	February 8, 2010	May 10, 2010
Land Management		
LAND 1 - Transportation System Technical Study Report	June 17, 2009	August 27, 2009
LAND 2 - Fire Prevention and Response Technical Study Report	April 10, 2009	June 19, 2009
LAND 3 - Emergency Action and Public Safety Technical Study Report	December 11, 2009	March 11, 2010
LAND 4 - FERC Project Boundary and Authorization Technical Study Report	April 7, 2009	June 19, 2009
Recreation Resources		
REC 1 - Recreation Use and Facilities Technical Study Report	March 5, 2010	May 13, 2010
REC 2 - Recreation Visitor Surveys Technical Study Report	September 10, 2009	April 30, 2010
REC 3 - Reservoir Recreation Opportunities Technical Study Report	December 22, 2009	March 11, 2010
REC 4 - Stream-based Recreation Opportunities Technical Study Report	July 24, 2009	June 23, 2010
REC 4 - Contingency Whitewater Boating Study	July 7, 2010	August 9, 2010
REC 5 - Visual Quality Assessment Technical Study Report	March 27, 2009	August 20, 2009
Terrestrial Resources		
TERR 1 - Vegetation Communities and Wildlife Habitat Technical Study Report - 2007	January 31, 2008	June 17, 2008
TERR 2 - Special-Status Plants Technical Study Report - 2008	February 17, 2009	April 29, 2009
TERR 3 - Noxious Weeds Technical Study Report - 2008	March 20, 2009	May 29, 2009
TERR 4 - Special-Status Wildlife Technical Study Report - 2008	November 13, 2008	March 12, 2009
TERR 5 - Bald Eagle Technical Study Report - 2008	October 31, 2008	March 12, 2009
TERR 6 - Special-Status Bats Technical Study Report - 2007	March 5, 2008	June 17, 2008