

## Anticipated Fieldwork Schedule<sup>1</sup> - October 2011 -

Resource Area	Study Name	Anticipated Field Schedule for Month	Running List of Variances to FERC-Approved Study	Technical Memorandum Due Date
Geology & Soils	Channel Morphology Upstream of Englebright Reservoir	10/3-10/5: Coarse Sediment and Tributary Sediment Assessment 10/10 and 10/17 (2-3 days each week): Coarse Sediment and Tributary Sediment Assessment	--	September 2012
	Channel Morphology Downstream of Englebright Dam	FERC's September 30, 2011 Study Determination made modifications to this study and required YCWA file with FERC by December 29, 2011 a revised study plan, after consultation with agencies, for FERC approval.	--	September 2012 (due date subject to revision based on revised study)
Water Resources	Hydrologic Alteration	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2012
	Water Balance/Operations Model	No fieldwork anticipated for this study.	--	September 2012
	Water Quality	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2013
	Bioaccumulation	All fieldwork complete.	Variance # 1 <sup>1</sup>	September 2012
	Water Temperature Monitoring	10/1 – 10/31: Continuous Monitoring of Water Temperature Locations 10/1 – 10/31: Reservoir Profiles are Continuous with Data Download Once Each Month.	--	February 2013
	Water Temperature Model	No fieldwork scheduled for this month.	--	September 2012
Aquatic Resources	Aquatic Macroinvertebrates Upstream of Englebright Reservoir	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2012
	Aquatic Macroinvertebrates Downstream of Englebright Dam	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2012
	Special-Status Aquatic Mollusks	No fieldwork scheduled for this month.	--	September 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Surveys	No fieldwork scheduled for this month.	--	September 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Habitat Modeling	No fieldwork scheduled for this month.	--	September 2013
	Special-Status Turtles – Western Pond Turtle	10/24-10/28: Field Reconnaissance to Determine Suitable Locations for Surveys.	--	September 2012
	Reservoir Fish Populations	No fieldwork scheduled for this month.	--	September 2012

<sup>1</sup> This fieldwork schedule is YCWA's best estimate at this time and is subject to modification by YCWA or HDR/DTA without prior notice. Any Relicensing Participant interested in observing fieldwork listed above should contact Jim Lynch at least one week in advance of the scheduled fieldwork at (916) 564-4214 Extension 581 or [james.lynch@hdrinc.com](mailto:james.lynch@hdrinc.com), who will coordinate with the participant to the extent possible.

**Table (continued)**

Aquatic Resources (continued)	Stream Fish Populations Upstream of Englebright Reservoir	No fieldwork scheduled for this month.	--	September 2013
	Non-ESA-Listed Fish Populations Downstream of Englebright Dam	No fieldwork scheduled for this month.	--	October 2012
	Instream Flow Upstream of Englebright Reservoir	No fieldwork scheduled for this month.	--	September 2012
	Fish Entrainment	FERC's September 30, 2011 Study Determination made modifications to this study and required YCWA file with FERC by December 29, 2011 a revised study plan, after consultation with agencies, for FERC approval.	--	September 2012 (due date subject to revision based on revised study)
	New Colgate Powerhouse Ramping	FERC's September 30, 2011 Study Determination required this new study. YCWA was directed to develop the study plan and file it with FERC by December 29, 2011, after consultation with agencies, for FERC approval.	--	To be Determined
Wildlife Resources	Special-Status Wildlife – California Wildlife Habitat Relationships	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2012
	Special-Status Wildlife – Bats	No fieldwork scheduled for this month.	--	October 2012
Botanical Resources	Special-Status Plants	No fieldwork scheduled for this month.	--	September 2012
Wetlands, Riparian & Littoral Habitats	Riparian Habitat Upstream of Englebright Reservoir	FERC's September 30, 2011 Study Determination made modifications to this study and required YCWA file with FERC by December 29, 2011 a revised study plan, after consultation with agencies, for FERC approval.	--	September 2013 (due date subject to revision based on revised study)
	Riparian Habitat Downstream of Englebright Dam	FERC's September 30, 2011 Study Determination made modifications to this study and required YCWA file with FERC by December 29, 2011 a revised study plan, after consultation with agencies, for FERC approval.	--	February 2013 (due date subject to revision based on revised study)
	Wetlands	No fieldwork scheduled for this month.	--	September 2012
Threatened, Endangered & Fully Protected Species	ESA-Listed Plants	No fieldwork scheduled for this month.	--	September 2012
	Narrows 2 Powerhouse Intake	No fieldwork anticipated for this study.	--	September 2013
	ESA-Listed Amphibians – California Red-Legged Frog	10/24-10/28: Field Reconnaissance to Determine Accessibility.	--	March 2013 <sup>2</sup>
	ESA-Listed Wildlife – Valley Elderberry Longhorn Beetle	No fieldwork scheduled for this month.	--	September 2012
	CESA-Listed Plants	No fieldwork scheduled for this month.	--	September 2012
	CESA-Listed and Fully Protected Wildlife – California Wildlife Habitat Relationships	No fieldwork anticipated for this study.	--	September 2012
	CESA-Listed and Fully Protected Wildlife – Bald Eagle	No fieldwork scheduled for this month.	--	September 2012

**Table (continued)**

Threatened, Endangered & Fully Protected Species (continued)	ESA/CESA-Listed Salmonids Downstream of Englebright Dam	No fieldwork scheduled for this month.	--	September 2012
	North American Green Sturgeon Downstream of Englebright Dam	No fieldwork scheduled for this month.	--	September 2012
	Instream Flow Downstream of Englebright Dam	FERC's September 30, 2011 Study Determination made modifications to this study. YCWA will redline the study plan to show the required changes.	--	September 2012
	Assessment of Narrows 2 Powerhouse as a Barrier to Anadromous Fish Upstream Migration	FERC's September 30, 2011 Study Determination made modifications to this study and required YCWA file with FERC by December 29, 2011 a revised study plan, after consultation with agencies, for FERC approval.	--	September 2012 (due date subject to revision based on revised study)
	Evaluation of Project Effects on Daguerre Point Dam and Hallwood-Cordua Fish Facilities	FERC's September 30, 2011 Study Determination required this new study. YCWA was directed to develop the study plan and file it with FERC by December 29, 2011, after consultation with agencies, for FERC approval.	--	To be Determined
Recreation Resources	Recreation Use and Visitor Surveys	10/8 – 10/10: Recreation Survey Training and Survey Pilot Testing.	--	March 2013
	Recreational Flow	No fieldwork scheduled for this month.	--	September 2013
Land Use	Primary Project Roads and Trails	No fieldwork is scheduled for this month.	--	September 2012
Aesthetic Resources	Visual Quality	No fieldwork is scheduled for this month.	--	September 2012
Cultural Resources	Historic Properties Study	10/17 – 10/26: Archaeological Survey Fieldwork	--	September 2012
Tribal Interests	Native American Traditional Cultural Properties	No fieldwork scheduled for this month.	--	September 2012

<sup>1</sup> YCWA's proposed Bioaccumulation Study (Study 2.4) required, among other things, that YCWA collect 9 brown trout and 9 rainbow trout from each of Our House and Log Cabin diversion dam impoundments and analyze each for methylmercury bioaccumulation. CDFG's Moss Landing lab visited the impoundments during the week of September 19, 2011 and collected the the target number of rainbow trout at each impoundment, but did not find any brown trout, and suggested an additional effort would not be worthwhile. YCWA consulted with SWRCB on September 26, 2011 and it was agreed an additional effort was not needed, but if YCWA collected brown trout in the impoundments during the relicensing Fish Populations Upstream of Englebright Reservoir Study (Study 3.8), up to 9 brown trout from each reservoir would be preserved and analyzed for methylmercury bioaccumulation and the results included in the Bioaccumulation Technical Memorandum.

<sup>2</sup> Site Assessment Report is scheduled for completion in June 2012. A supplemental report will be completed in October 2014 if Step 2 of study is warranted.