

Anticipated Fieldwork Schedule^{1,2} - December 2011 -

Resource Area	Study Name	Anticipated Field Schedule for Month	Running List of Variances to FERC-Approved Studies	Technical Memorandum Due Date
Geology & Soils	Channel Morphology Upstream of Englebright Reservoir (1.1)	12/6 - 12/10: Transect set-up and survey MYR, YR Rest of study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute.	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Channel Morphology Downstream of Englebright Dam (1.2)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
Water Resources	Hydrologic Alteration (2.1)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Water Balance/Operations Model (2.2)	No fieldwork scheduled this month	--	September 30, 2012
	Water Quality (2.3)	No fieldwork scheduled this month	--	September 30, 2013
	Bioaccumulation (2.4)	Fieldwork complete	Variance # 1 ¹	September 30, 2012
	Water Temperature Monitoring (2.5)	No fieldwork scheduled this month	--	February 28, 2013
	Water Temperature Model (2.6)	No fieldwork scheduled this month	--	September 30, 2012
Aquatic Resources	Aquatic Macroinvertebrates Upstream of Englebright Reservoir (3.1)	No fieldwork scheduled this month	--	September 30, 2012
	Aquatic Macroinvertebrates Downstream of Englebright Dam (3.2)	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Aquatic Mollusks (3.3)	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Surveys (3.4)	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Habitat Modeling (3.5)	No fieldwork scheduled this month	--	September 30, 2013
	Special-Status Turtles – Western Pond Turtle (3.6)	No fieldwork scheduled this month	--	September 30, 2012
	Reservoir Fish Populations (3.7)	No fieldwork scheduled this month	--	September 30, 2012
	Stream Fish Populations Upstream of Englebright Reservoir (3.8)	No fieldwork scheduled this month	--	September 30, 2013
	Non-ESA-Listed Fish Populations Downstream of Englebright Dam (3.9)	No fieldwork scheduled this month	--	September 30, 2012

¹ 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.lynnch@hdrinc.com, who will coordinate with the participant to the extent possible.

² There are no flow modifications scheduled this month to accommodate studies.

Table (continued)

Resource Area	Study Name	Anticipated Field Schedule for Month	Running List of Variances to FERC-Approved Studies	Technical Memorandum Due Date
Aquatic Resources (continued)	Instream Flow Upstream of Englebright Reservoir (3.10)	12/5 - 12/9: PHABSIM Transect set-up.	--	September 30, 2012
	Fish Entrainment (3.11)	No fieldwork scheduled this month	--	September 30, 2012 (date subject to revision based on finalizing revised study plan)
	New Colgate Powerhouse Ramping (3.12)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	To be Determined
Wildlife Resources	Special-Status Wildlife – California Wildlife Habitat Relationships (4.1)	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Wildlife – Bats (4.2)	No fieldwork scheduled this month	--	September 30, 2012
Botanical Resources	Special-Status Plants (5.1)	No fieldwork scheduled this month	--	September 30, 2012
Wetlands, Riparian & Littoral Habitats	Riparian Habitat Upstream of Englebright Reservoir (6.1)	12/6 - 12/10: Transect set-up and survey on Middle Yuba River and Yuba River Rest of study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Riparian Habitat Downstream of Englebright Dam (6.2)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	February 2013 (date subject to revision based on resolution of Study Dispute)
	Wetlands (6.3)	No fieldwork scheduled this month	--	September 30, 2012
Threatened, Endangered & Fully Protected Species	ESA-Listed Plants (7.1)	No fieldwork scheduled this month	--	September 30, 2012
	Narrows 2 Powerhouse Intake (7.2)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2013 (date subject to revision based on resolution of Study Dispute)
	ESA-Listed Amphibians – California Red-Legged Frog (7.3)	No fieldwork scheduled this month	--	March 31, 2013 ²
	ESA-Listed Wildlife – Valley Elderberry Longhorn Beetle (7.4)	No fieldwork scheduled this month	--	September 30, 2012
	CESA-Listed Plants (7.5)	No fieldwork scheduled this month	--	September 30, 2012
	CESA-Listed and Fully Protected Wildlife – California Wildlife Habitat Relationships (7.6)	No fieldwork scheduled this month	--	September 30, 2012
	CESA-Listed and Fully Protected Wildlife – Bald Eagle (7.7)	12/12 & 12/13: First of three winter surveys	--	September 30, 2012
ESA/CESA-Listed Salmonids Downstream of Englebright Dam (7.8)	No fieldwork scheduled this month	--	September 30, 2012	

Table (continued)

Resource Area	Study Name	Anticipated Field Schedule for Month	Running List of Variances to FERC-Approved Studies	Technical Memorandum Due Date
Threatened, Endangered & Fully Protected Species (continued)	North American Green Sturgeon Downstream of Englebright Dam (7.9)	No fieldwork scheduled this month	--	September 30, 2012
	Instream Flow Downstream of Englebright Dam (7.10)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Assessment of Narrows 2 Powerhouse as a Barrier to Anadromous Fish Upstream Migration (7.11)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Evaluation of Project Effects on Daguerre Point Dam and Hallwood-Cordua Fish Facilities (7.12)	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	To be Determined
Recreation Resources	Recreation Use and Visitor Surveys (8.1)	<u>12/4, 12/17, 12/19 & 12/28</u> : Recreational use and visitor surveys at New Bullards Bar Reservoir	--	March 31, 2013
	Recreational Flow (8.2)	No fieldwork scheduled this month	--	September 30, 2013
Land Use	Primary Project Roads and Trails (9.1)	No fieldwork scheduled this month	--	September 30, 2012
Aesthetic Resources	Visual Quality (10.1)	No fieldwork scheduled this month	--	September 30, 2012
Cultural Resources	Historic Properties Study (12.1)	No fieldwork scheduled this month	--	September 30, 2012
Tribal Interests	Native American Traditional Cultural Properties (12.2)	No fieldwork scheduled this month	--	September 30, 2012

¹ 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 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.

² 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.