

Anticipated Fieldwork Schedule^{1,2}
- November 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	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute. Channel morphology transects/intensive site on the North Yuba below New Bullards Bar may be selected during a field trip for Instream Flow site selection on 11/18/11	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Channel Morphology Downstream of Englebright Dam	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	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	No fieldwork scheduled this month	--	September 30, 2012
	Water Quality	No fieldwork scheduled this month	--	September 30, 2013
	Bioaccumulation	Fieldwork complete	Variance # 1 ¹	September 30, 2012
	Water Temperature Monitoring	No fieldwork scheduled this month	--	February 28, 2013
	Water Temperature Model	No fieldwork scheduled this month	--	September 30, 2012
Aquatic Resources	Aquatic Macroinvertebrates Upstream of Englebright Reservoir	11/7-11/8: Site selection field in consultation with interested Relicensing Participants	--	September 30, 2012
	Aquatic Macroinvertebrates Downstream of Englebright Dam	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Aquatic Mollusks	11/7-11/8: Site selection in field in consultation with interested Relicensing Participants	--	September 30, 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Surveys	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Amphibians – Foothill Yellow-Legged Frog Habitat Modeling	No fieldwork scheduled this month	--	September 30, 2013
	Special-Status Turtles – Western Pond Turtle	11/13-11/18: Field reconnaissance at New Bullards Bar Reservoir	--	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.lynch@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)	Reservoir Fish Populations	11/10: Site selection in New Bullards Bar Reservoir and Englebright Reservoir in consultation with interested Relicensing Participants	--	September 30, 2012
	Stream Fish Populations Upstream of Englebright Reservoir	11/7-11/8: Site selection in field in consultation with interested Relicensing Participants	--	September 30, 2013
	Non-ESA-Listed Fish Populations Downstream of Englebright Dam	No fieldwork scheduled this month	--	September 30, 2012
	Instream Flow Upstream of Englebright Reservoir	11/18 - Site selection for the North Yuba below New Bullards Bar and Middle Yuba near Yellowjacket Creek	--	September 30, 2012
	Fish Entrainment	No fieldwork scheduled for this month. YCWA provided revised Entrainment Study to agencies on October 29, 2011 for 3-day review and comment period. Written comments due to YCWA on November 28, 2011	--	September 30, 2012 (date subject to revision based on finalizing revised study plan)
	New Colgate Powerhouse Ramping	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	No fieldwork scheduled this month	--	September 30, 2012
	Special-Status Wildlife – Bats	No fieldwork scheduled this month	--	September 30, 2012
Botanical Resources	Special-Status Plants	No fieldwork scheduled this month	--	September 30, 2012
Wetlands, Riparian & Littoral Habitats	Riparian Habitat Upstream of Englebright Reservoir	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute 11/18 - Site selection for the North Yuba below New Bullards Bar and on Middle Yuba near Yellowjacket Creek	--	September 30, 2012 (date subject to revision based on resolution of Study Dispute)
	Riparian Habitat Downstream of Englebright Dam	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	No fieldwork scheduled this month	--	September 30, 2012
Threatened, Endangered & Fully Protected Species	ESA-Listed Plants	No fieldwork scheduled this month	--	September 30, 2012
	Narrows 2 Powerhouse Intake	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	11/13-11/18: Site Assessments in vicinity of Little Oregon Creek	--	March 31, 2013 ²
	ESA-Listed Wildlife – Valley Elderberry Longhorn Beetle	No fieldwork scheduled this month	--	September 30, 2012
	CESA-Listed Plants	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)	CESA-Listed and Fully Protected Wildlife – California Wildlife Habitat Relationships	No fieldwork scheduled this month	--	September 30, 2012
	CESA-Listed and Fully Protected Wildlife – Bald Eagle	No fieldwork scheduled this month	--	September 30, 2012
	ESA/CESA-Listed Salmonids Downstream of Englebright Dam	No fieldwork scheduled this month	--	September 30, 2012
	North American Green Sturgeon Downstream of Englebright Dam	No fieldwork scheduled this month	--	September 30, 2012
	Instream Flow Downstream of Englebright Dam	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	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	Study on hold pending resolution of NMFS's 10/20/11 Study Determination Dispute	--	To be Determined
Recreation Resources	Recreation Use and Visitor Surveys	11/6, 11/10, 11/15, & 11/26: Recreational use and visitor surveys at New Bullards Bar Reservoir	--	March 31, 2013
	Recreational Flow	No fieldwork scheduled for this month	--	September 30, 2013
Land Use	Primary Project Roads and Trails	No fieldwork is scheduled for this month	--	September 30, 2012
Aesthetic Resources	Visual Quality	No fieldwork is scheduled this month	--	September 30, 2012
Cultural Resources	Historic Properties Study	11/2-11/3: Built environment survey fieldwork	--	September 30, 2012
Tribal Interests	Native American Traditional Cultural Properties	11/3: Site visit with tribal representatives	--	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.