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December 27, 2007

Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

SUBJECT: DeSabra-Centerville Project No. 803-068
Updated Study Results and License Application Sections for the DeSabra-Centerville Project

Dear Secretary Bose:

On October 2, 2007, Pacific Gas and Electric Company (PG&E or Licensee) filed with the Federal Energy Regulatory Commission (FERC) an application for a new license for the DeSabra-Centerville Project, Project No. 803 (application). The application identified six studies included in FERC's August 17, 2005 Study Plan Determination (Determination) that were not complete as of October 2 and provided PG&E's proposed timeline for filing the study results with FERC.¹

Two of the studies (Study 6.3.2-5, Measure and Evaluate Water Quality in Project Reservoirs and Project-Affected Stream Reaches, and Study 6.3.3-4, Characterize Fish Populations in Project Reservoirs and Project-Affected Stream Reaches) were scheduled to be completed and the additional information filed with FERC by January 1, 2008. In a letter dated July 5, 2007, FERC said it will use the additional information for Study 6.3.3-4 to make a final determination regarding the need for additional work under Study 6.3.3-6, Assessment of Fish Entrainment and Upstream Fish Passage Issues at DeSabra-Centerville Project Facilities. FERC's October 31, 2007 letter to PG&E also requires PG&E to revise and refile sections of the application, if results of the outstanding studies cause the application to be inaccurate.

This letter, including attachments, provides the additional information required for Studies 6.3.2-5 and 6.3.3-4. With this additional information for Studies 6.3.2-5 and 6.3.3-4, PG&E believes these studies are now complete. The additional study information was used by PG&E to re-evaluate the Project effects listed in Exhibit E, Section 7.0, Environmental Analysis, of the application and revise the appropriate sections related to water quality and fish and aquatic resources. Based on this evaluation, PG&E does not propose any changes or modifications to

¹ PG&E's application also noted that PG&E is in the process of consulting with the NOAA Fisheries regarding a supplemental Biological Assessment (BA) for continued Project operations. Although the BA is not a formal study included in the Determination, PG&E expects to file the supplemental BA with FERC by first quarter 2008.

the resource management measures included in Exhibit E, Section 8, of PG&E's October 2 application.

In addition, based on Licensee's analysis of the additional fish sampling data collected for Study 6.3.3-4 and provided herein, Licensee also believes that Study 6.3.3-6 is complete and that adequate information is available to assess Project impacts related to fish entrainment.

By this letter, PG&E formally amends its October 2 application by replacing the following sections of the application with the sections attached to this letter. These sections include:

- Exhibit E, Section 6.2.2.4 - Measure and Evaluate Water Quality in Project Reservoirs and Project-Affected Stream Reaches (Study 6.3.2-5): The updated section incorporates water quality data collected by PG&E in late 2007, as required by FERC.
- Exhibit E, Section 6.3.2.2 - Characterization of Fish Populations in Project Reservoirs and Project-Affected Stream Reaches (Study 6.3.3-4): The updated section incorporates fish sampling data collected by PG&E in late 2007, as required by FERC.
- Exhibit E, Sections 7.2.4 through 7.2.7 and 7.3.6 - Environmental Analysis - Water Resources, and Fish and Aquatics: The updated sections incorporate the results of water quality and fish sampling data collected by PG&E in late 2007 in the analysis of Project effects.

If you have any questions regarding this letter or the attachments, please contact me at (415) 973-5314.

Sincerely,



Todd Johnson
Sr. Project Manager

Attachment 1: Updated Exhibit E, Section 6.2.2.4 - Measure and Evaluate Water Quality in Project Reservoirs and Project-Affected Stream Reaches (Study 6.3.2-5)

Attachment 2: Updated Exhibit E, Section 6.3.2.2 - Characterization of Fish Populations in Project Reservoirs and Project-Affected Stream Reaches (Study 6.3.3-4)

Attachment 3: Updated Exhibit E, Environmental Analysis, Sections 7.2.4 through 7.2.7 and 7.3.6

cc: See attached FERC 803 Interested Parties Mailing List

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cc: FERC 803 Interested Parties Mailing List

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APPENDIX E6.3.2.2-C1

**Summary of Physical Parameters for the Stream Fish Population
Monitoring Sites, 2006.**

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Table E6.3.2.2-C1. Summary of physical parameters for the stream fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Substrate Composition (percent)						Fish Cover (percent)						Percent Canopy	Habitat Type Composition (percent)							
						Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Undercut bank	Instream veg	Overhanging veg	Boulder	LWD	Bubble		Pool	Riffle	Run	POW	Glide			
Butte Creek	Butte 72.2	Upstream of Butte Creek Diversion	10/14/2006	Snorkel	1	10	10	10	60	10		5	10	30	5			30			100					
					2	5	80	10	5			5	5	5	5		85	34		100						
					3	5	60	20	10	5		5	5	20	25		10	22			100					
					4	10	80	10					10	10	5		70	24			100					
					5	15	40	25	20			10	10	10	15		25	28			5	95				
					6	5	10	35	45	5		10	15	20	5		5	30				100				
					7	15	10	60	10	5		10	15	15				28	100							
	Butte 71.8	Downstream of Butte Creek Diversion	10/14/2006	Snorkel	1	10	80	5		5			10	5	45		20	40		10	90					
					2	30	60	5	5		5	5	5	10		60	20			100						
					3	40	40	10	5	5			5	5	30		45	30			100					
					4	5	75	10	5	5			5	10	50		10	33			100					
					5	5	25	10	55	5		5	5	5	25			22	100							
	Butte 65.3	Doe Mill Bridge	9/17/2006	E-fish	Lower	10	50	30	10			5		5	15		30	30	0	70						
					Upper		70	25	5				5	40		15		95	5							
	Butte 61.9	Upstream of Centerville Diversion	9/18/2006	Snorkel	1	15	30	25	25	5					30		10		100							
					2	15	60	10	10	5				40		10			100							
					3		30	20	30	20				30		30		100								
	Butte 61.7	Downstream of Centerville Diversion	9/18/2006	Snorkel	1		60	25	10	5					40		5		20	10	70					
					2		90	10						45		50										
					3	5	45	20	30					5	30		5		100							
					4		30	5	60	5					20				100							
					5		60	20	15	5					40		30		100							
					6		35	20	35	10					20		10		100							
					7		35	5	30	30					20	20			100							
	Butte 60.8	Quartz Bowl	9/19/2006	Snorkel	1		50	40	10						40		5			10	70	20				
					2	5	70	20	5					40		30			80	20						
					3	5	35	40	15	5				5	20		5		100							
					4	30	35	20	15						20		10		100							
					5	5	65	15	15						50		10			20	10	70				
					6	20	45	10	20	5					30				100							
Butte 59.0	Whiskey Flat	9/11/2006	Snorkel	1	40	5	35	10	5	5	10			2	10		100									
				2		60	30	10					20		5			100								
				3				10	20	70								100								
				4	5	40	55								5		100									
				5	30	40	20			10				10		10		100								
				6		30	60	10						15						100						
				7		50	50												100							
Butte 56.5	Helltown	9/9/2006	Snorkel	1			70	20	10		2	2	25						100							
				2		1	90	9					5		20			100								
				3			10	25	40	25	10	5	30				100									
				4		15	40	30	15				5					100								
				5		25	50	25					25		15		100									
				6		1	9	25	65		35		5	2			100									
				7		30	30	15	25		10		10		10			100								

Table E6.3.2.2-C1. Summary of physical parameters for the stream fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Substrate Composition (percent)						Fish Cover (percent)						Percent Canopy	Habitat Type Composition (percent)				
						Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Undercut bank	Instream veg	Overhanging veg	Boulder	LWD	Bubble		Pool	Riffle	Run	POW	Glide
					8		75	20	5					25	5		35			100			
Butte Creek	Butte 54.6	Humbug Bridge	9/7/2006	Snorkel	1	10	5	25	10	50				5	5		10		100				
					2		60	40	0		5		5	5		25			100				
					3	5	40	35	15	5	5		5	10						100			
					4		20	80					5	5		30				100			
					5	5	45	45	5					10							100		
	Butte 53.4	Quail Run	9/8/2006	Snorkel	1	5	20	35	40												100		
					2		40	20	40					5		10				100			
					3	5	20	40	30	5											100		
					4		5	85	10							10					100		
					5	5		5	25	60	5									100			
					6		20	10	10	60					5								100
	Butte 50.5	Honey Run	9/6/2006	Snorkel	1			40	50	10					10							100	
					2	5		5	40	50		5		5	5					100			
					3			70	30													100	
					4			60	35	5				5									100
5							70	30								5						100	
6							30	60	10														100
Inskip Creek	Inskip-F2	Downstream of diversion	10/18/2006	E-fish	Site	15	75	5	5			5	5	10	55			87	40	60			
	Inskip-F1	Upstream of diversion	10/18/2006	E-fish	Site	5	70	20	5				5	65	20			93	50	50			
Kelsey Creek	Kelsey-F2	Downstream of diversion	10/16/2006	E-fish	Site	10	80	5	5					5	75			64	50	50			
	Kelsey-F1	Upstream of diversion	10/16/2006	E-fish	Site	40	40	15	5				15	15	50			93	50	50			
Clear Creek	Clear-F1	Downstream of diversion	10/18/2006	E-fish	Site		25	55	15					10	10			90	50	40	10		
	Clear-F2	Upstream of diversion	10/18/2006	E-fish	Site	80	10	5	5			5		5	35			98	40	45		10	

Table E6.3.2.2-C1. Summary of physical parameters for the stream fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Substrate Composition (percent)						Fish Cover (percent)						Percent Canopy	Habitat Type Composition (percent)							
						Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Undercut bank	Instream veg	Overhanging veg	Boulder	LWD	Bubble		Pool	Riffle	Run	POW	Glide			
West Branch Feather River	WBFR 43.6	Downstream of Round Valley Reservoir	9/18/2006	E-fish	Lower			5	75	15	5			5				40	100							
					Upper				95	5					10					60	100					
	WBFR 41.1	Downstream of Coon Hollow Creek	9/15/2006	E-fish	Lower		25	30	35	10					5						50	50				
					Upper	10	30	30	30						30	10						100				
	WBFR 35.0	Rd 25N06	10/19/2006	E-fish	Lower		20	30	40	10			20	10	20				12	20	35	45				
					Upper	5	10	70	15			5	20	30	15					10		5	95			
	WBFR 30.2	Upstream of Hendricks Diversion Dam (Road 25N17)	10/13/2006	Snorkel	1	10	10	70	5	5				10	20	5			50				100			
					2		35	50	10	5			5	20	15		45	46			100					
					3		40	50	10				10	25	5		20	23				100				
					4		5	30	35	30			5	10				18						100		
					5	15	15	30	20	20		5	5	10	10		5	12	80					20		
					6	40	5	30	25			5	5	10	5		25	39	100							
	WBFR28.5	Hendricks Canal Road "A"	10/17/2006	E-fish	Lower	5	50	30	10	5			5	5	10	35			43	80	5	15				
					Upper		75	20	5				45	35	10					51.2		75	25			
	WBFR 23.3	Big Kimshew	10/12/2006	Snorkel	1	10	30	45	10	5				30	10	15		15	13		20	80				
					2	10	5	40	45			5		5	10				12	100						
					3	5	10	30	50	5			10	5	5				12				100			
					4		50	40	5	5			10	10	25		30	11				100				
					5		5	75	15	5		5	5	5	5				23				10	90		
					6		5	10	20	60	5		5	5	25	5	5		3	100						
					7		35	60	5				5	5	5	5		65	6				100			
	WBFR 16.0	Whiskey Flat	9/10/2006	Snorkel	1		40	20	40				5		5	10		5			15	85				
					2	5	50	10	35			10			10		5			100						
					3		40	40	20					5	10		30					100				
4						60	30	10					5	20		30						100				
5						60	40						5	15		25							100			
6					20	20	60						5	10									100			
7					5	5	85	5			5		5	5										100		
8						20	40	40						30											20	80
9					10	60	25	5			5		5	20		5								100		
Coon Hollow Creek	Coon-F1	Upstream of WBFR	9/14/2006	E-fish	Lower		30	20	40	10				20	30			20		20	70					
					Upper		40	20	30	10				5	65						20	20	10	70		
Philbrook Creek	Phillbrook-F1	Upstream of Reservoir	9/16/2006	E-fish	Lower			25	70	5			5					0		100						
					Upper			15	80	5			5	5						20	100					
	Phillbrook-F2	Downstream of Reservoir	9/16/2006	E-fish	Lower		65	20	10	5				5	50			60	10	60	30					
					Upper	40	30	10	20						20					20		30	70			
Long Ravine	Long-F1	Upstream of diversion	10/20/2006	E-fish	Site	15	20	25	20	15	5		15	5	15	10			96	45	55					
	Long-F2	Downstream of diversion	10/20/2006	E-fish	Site	15	25	35	20	5			5	5	5	10			54	20	70	10				

Table E6.3.2.2-C1. Summary of physical parameters for the stream fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Substrate Composition (percent)						Fish Cover (percent)						Percent Canopy	Habitat Type Composition (percent)				
						Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Undercut bank	Instream veg	Overhanging veg	Boulder	LWD	Bubble		Pool	Riffle	Run	POW	Glide
Cunningham Ravine	Cunningham-F1	Upstream of diversion	10/11/2006	E-fish	Site	20	20	50	5	5		10		15	5			88	30	65	5		
	Cunningham-F2	Downstream of diversion	10/15/2006	E-fish	Site	5	5	35	35	10	10	25		25	10			78	35	45			10
Little West Fork	Little West Fork-F1	Upstream of diversion	10/11/2006	E-fish	Lower		15	80			5	30		30	5			90	25	70	5		
					Upper		20	65		5	10	15		45	5			85	45	50	5		
	Little West Fork-F2	Downstream of diversion	10/15/2006	E-fish	Site	5	20	50	20	5		10	10	30	5			88	15	70	15		

APPENDIX E6.3.2.2-C2

**Summary of Physical Parameters for the Stream Fish Population
Monitoring Sites, 2006**

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E6.3.2.2-3-C2. Summary of environmental measurements for the fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Max depth (ft)	Avg. depth (ft)	Avg. width (ft)	Length (ft)	Secchi (ft)			Dissolved Oxygen		Conductivity (µS/cm)	Temperature (C)	pH
										Vertical	Sun Behind	Sun In Front	Percent	mg/L			
Butte Creek	Butte 72.2	Upstream of Butte Creek Diversion	10/14/2006	Snorkel	1	2.5	1.2	55.2	234	max depth +	47	17	91.2	10.8	113.3	7.9	8.4
					2	2.25	1	48	48	max depth +	47	17	93.8	11.1	114.5	7.9	8.4
					3	2.5	2	45	108	max depth +	47	17	95.1	11.2	112.8	7.9	8.4
					4	2.5	1.5	52.7	57	max depth +	47	17	91.4	10.9	113.9	7.9	8.4
					5	2.5	1.5	55	90	max depth +	47	17	91.6	10.9	114.4	7.8	8.4
					6	3.25	2	46.5	78	max depth +	47	17	91.7	10.9	114.3	7.8	8.4
					7	4.5	2.5	41.3	96	max depth +	47	17	91.5	10.9	114.4	7.8	8.4
	Butte 71.8	Downstream of Butte Creek Diversion	10/14/2006	Snorkel	1	4	2	25	72	max depth +	46	22	86.7	10.1	109.9	8.6	8.5
					2	3.5	2	14	78	max depth +	46	22	89.9	10.5	113.2	8.6	8.5
					3	2.75	1	28.3	78	max depth +	46	22	91.6	10.7	114.2	8.6	8.5
					4	3.5	2.25	33.5	102	max depth +	46	22	90.9	10.6	114.1	8.6	8.5
					5	8	4	29.2	280*	max depth +	46	22	90.6	10.6	114	8.7	8.5
	Butte 65.3	Doe Mill Bridge	9/17/2006	E-fish	Lower	3.5	2	36.1	157	max depth +	-	-	90.4	9.9	118.4	11.3	-
					Upper	2.5	1.5	38.1	136	max depth +	-	-	87	9.19	119.3	13	-
	Butte 61.9	Upstream of Centerville Diversion	9/18/2006	Snorkel	1	8	4.5	54.8	56	max depth +	33	18	96	10.15	111.1	12.6	-
					2	4	3.5	48.8	97	max depth +	33	18	95.8	10.19	111.6	12.5	-
					3	10	4	65	61	max depth +	33	18	95.7	10.12	111.3	12.5	-
	Butte 61.7	Downstream of Centerville Diversion	9/18/2006	Snorkel	1	4	2.5	47.9	97.5	max depth +	-	-	94.7	10.22	112.1	12	-
					2	2.5	2	44	58	max depth +	-	-	93.3	10.07	111.7	11.8	-
					3	7	4	35.4	80	max depth +	-	-	92.7	10.01	111	11.9	-
					4	1.5	1	12.7	25.8	max depth +	-	-	82.2	8.5	125.7	13.8	-
					5	7	4	43.3	46.7	max depth +	-	-	94.5	10.19	110.8	12	-
					6	9	5	52.3	66	max depth +	-	-	92.4	9.86	110.1	12.2	-
					7	1.5	1	15.8	42	max depth +	-	-	87.7	9.22	109.6	13	-
	Butte 60.8	Quartz Bowl	9/19/2006	Snorkel	1	2.5	1.5	58.1	99.3	max depth +	29.7	19.8	96.6	10.03	111.6	13.7	-
					2	2.5	1.5	71.8	86	max depth +	29.7	19.8	99.7	10.33	112.2	13.6	-
					3	7	4.5	40.4	232	max depth +	29.7	19.8	97	10.11	112.5	13.5	-
					4	9	4	38.9	94	max depth +	29.7	19.8	98.2	10.17	112.4	13.8	-
					5	3	2	80.6	105	max depth +	29.7	19.8	98.2	10.19	112.7	13.7	-
					6	12	6	44.1	332	max depth +	29.7	19.8	97.5	10.08	112.8	13.8	-
Butte 59.0	Whiskey Flat	9/11/2006	Snorkel	1	8	4	42	200.7	max depth +	32	16	107.7	10.39	110.3	17	-	
				2	2	1.2	42.9	107	max depth +	32	16	105.1	10.16	110.2	16.9	-	
				3	4	2	20.9	95.5	max depth +	32	16	102.2	9.47	115.6	18.8	-	
				4	3	0.8	41.5	69	max depth +	32	16	103.5	9.99	109.9	17	-	
				5	7	3.5	38.2	180	max depth +	32	16	101.4	9.76	109.9	17.2	-	
				6	2.3	1	60.1	42	max depth +	32	16	108.4	10.44	106.8	17.3	-	
				7	1.6	0.5	47.4	76	max depth +	32	16	110.5	10.67	109.7	17	-	

E6.3.2.2-3-C2. Summary of environmental measurements for the fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Max depth (ft)	Avg. depth (ft)	Avg. width (ft)	Length (ft)	Secchi (ft)			Dissolved Oxygen		Conductivity (µS/cm)	Temperature (C)	pH
										Vertical	Sun Behind	Sun In Front	Percent	mg/L			
Butte Creek	Butte 56.5	Helltown	9/9/2006	Snorkel	1	1.75	1	38.9	136	max depth +	23.8	9	108.3	10.15	109.3	18.4	-
					2	1	0.5	37.4	69.1	max depth +	23.8	9	104.9	9.91	109.6	18.3	-
					3	9	4.5	25	298	max depth +	23.8	9	102.3	9.28	110	18.2	-
					4	2.5	1	44.9	314	max depth +	23.8	9	104.8	10.07	109.9	18.2	-
					5	1	0.5	32.6	117	max depth +	23.8	9	105	9.94	109.4	18.3	-
					6	15		52.6	238	max depth +	23.8	9	99.4	9.52	109.9	18.3	-
					7	3	1.8	42.6	212	max depth +	23.8	9	97.3	9.41	-	18.3	-
					8	2	1	26.7	52	max depth +	23.8	9	107.9	10.15	-	18.3	-
	Butte 54.6	Humbug Bridge	9/7/2006	Snorkel	1	10	3.5	32.4	299	max depth +	22	12	104.9	10.3	102.8	17.7	-
					2	2.5	1.25	76.7	191	max depth +	22	12	104.1	9.88	103.8	17.8	-
					3	3.5	2.5	56.7	124	max depth +	22	12	119	11.2	103.3	18.1	-
					4	2.5	1.5	55.6	152	max depth +	22	12	107.1	10.16	103.8	18	-
					5	3.5	2.5	52	175	max depth +	22	12	105.8	10.03	103.9	18.1	-
	Butte 53.4	Quail Run	9/8/2006	Snorkel	1	3.5	2	55.9	210	max depth +	12	20	117.5	11.09	105.6	17.7	-
					2	3	2.3	45.9	67	max depth +	12	20	97.3	9.26	106	17.8	-
					3	4	2.2	36.1	284	max depth +	12	20	103	9.74	106.3	17.9	-
					4	2.8	0.7	94	174	max depth +	12	20	105.4	10	106.2	18	-
					5	6	2.4	85.4	389	max depth +	12	20	103.3	9.87	105.8	18	-
					6	6	4	50.5	64	max depth +	12	20	104.4	5.77	105.8	18.1	-
	Butte 50.5	Honey Run	9/6/2006	Snorkel	1	3.5	2	34.7	316	max depth +	13.5	21	105.7	9.66	102.4	19.7	-
2					7	4	51.4	200	max depth +	13.5	21	110.9	10.1	102.3	19.8	-	
3					2.8	0.8	93.8	76	max depth +	13.5	21	109.4	9.82	99.1	19.9	-	
4					2.5	1.5	66.5	114	max depth +	13.5	21	111.7	101.6	102.3	19.9	-	
5					2.5	1.2	91.8	114	max depth +	13.5	21	112.4	10.25	102.3	20	-	
6					3.2	1	90.7	373	max depth +	13.5	21	113	10.28	102.2	20	-	
Inskip Creek	Inskip-F2	Downstream of diversion	10/18/2006	E-fish	Site	3.8	1.25	7.9	225	max depth +	-	-	75.3	9.27	79.6	7.6	8.2
	Inskip-F1	Upstream of diversion	10/18/2006	E-fish	Site	4	1.5	8.62	167	max depth +	-	-	81.5	9.83	79.2	7.5	8.2
Kelsey Creek	Kelsey-F2	Downstream of diversion	10/16/2006	E-fish	Site	2	1	5.9	200	max depth +	-	-	83.1	9.3	72.3	10.1	8.2
	Kelsey-F1	Upstream of diversion	10/16/2006	E-fish	Site	2.5	1	6.25	150	max depth +	-	-	85.1	9.61	-	10	8.2
Clear Creek	Clear-F1	Downstream of diversion	10/18/2006	E-fish	Site	3.5	1	8.1	290	max depth +	-	-	82.7	10.18	90.2	6.5	8.2
	Clear-F2	Upstream of diversion	10/18/2006	E-fish	Site	5.5	0.9	16.9	120	max depth +	-	-	60.1	7.26	101.6	6.9	8.4

E6.3.2.2-3-C2. Summary of environmental measurements for the fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Max depth (ft)	Avg. depth (ft)	Avg. width (ft)	Length (ft)	Secchi (ft)			Dissolved Oxygen		Conductivity (µS/cm)	Temperature (C)	pH
										Vertical	Sun Behind	Sun In Front	Percent	mg/L			
West Branch Feather River	WBFR 43.6	Downstream of Round Valley Reservoir	9/18/2006	E-fish	Lower	0.5	0.4	5.1	86	max depth +	-	-	34.6	3.93	24.6	9.6	-
					Upper	0.8	0.2	4.8	32	max depth +	-	-	20.4	2.1	40.2	11.6	-
	WBFR 41.1	Downstream of Coon Hollow Creek	9/15/2006	E-fish	Lower	2	1	31.6	123	max depth +	-	-	79.1	10.01	99.7	5.5	-
					Upper	1.5	0.75	38.2	177	max depth +	-	-	78.5	9.76	99.2	6.2	-
	WBFR 35.0	Rd 25N06	10/19/2006	E-fish	Lower	4.5	1.75	44.2	2101	max depth +	-	-	100	12.5	103.4	5.8	8.1
					Upper	4	2	20.3	100	max depth +	-	-	98	11.7	101.3	7.6	8.1
	WBFR 30.2	Upstream of Hendricks Diversion Dam (Road 25N17)	10/13/2006	Snorkel	1	2.5	1	40.8	66	max depth +	56	33	96.8	11.37	101.6	8.1	8.4
					2	2	1	50.7	120	max depth +	56	33	97.2	11.45	102.4	8.5	8.2
					3	1.5	1	42.1	192	max depth +	56	33	96.9	11.4	102.8	8.1	8.2
					4	2.25	1.25	43.1	96	max depth +	56	33	97.4	11.43	102.5	8.1	8.2
					5	60	30	48.6	192	max depth +	56	33	94.7	11.17	102.9	8.1	8.2
					6	13	5	34.4	192	max depth +	56	33	96.3	11.43	102.8	8.1	8.2
	WBFR28.5	Hendricks Canal Road "A"	10/17/2006	E-fish	Lower	3.5	1.5	30.1	115	max depth +	-	-	85.7	10.23	105.9	7.6	8.3
					Upper	2	0.75	42.1	185	max depth +	-	-	84.6	9.87	105.4	8.3	8.3
	WBFR 23.3	Big Kimshew	10/12/2006	Snorkel	1	2.5	1	49.8	108	max depth +	40.5	37.5	96.6	10.5	92.3	10.9	8.5
					2	6.5	1.75	54.9	306	max depth +	40.5	37.5	97.7	10.7	92.5	10.7	8.2
					3	2.5	1	57	204	max depth +	40.5	37.5	106	11.1	89.1	10.9	8.2
					4	1.75	1	40	78	max depth +	40.5	37.5	100.6	11.4	92.6	11	8.2
					5	2.5	1	43.7	276	max depth +	40.5	37.5	101.7	11.2	92.4	11.1	8.2
					6	15	4	74.4	228	max depth +	40.5	37.5	96.7	10.7	92.2	11.1	8.2
					7	1.75	1	55.7	90	max depth +	40.5	37.5	99.3	10.8	92.2	11.4	8.2
	WBFR 16.0	Whiskey Flat	9/10/2006	Snorkel	1	3	2	28.3	210	max depth +	83	52	99	9.59	86.7	17.1	-
					2	3	2	56.6	83	max depth +	83	52	96	9.4	86.7	17.1	-
					3	2	1.5	52.5	175	max depth +	83	52	99.1	9.58	86.7	17.1	-
					4	2	1.5	65.8	188	max depth +	83	52	101.6	9.76	86.7	17.1	-
					5	2.25	1.5	55.5	82	max depth +	83	52	97.8	9.61	86.6	17.1	-
					6	5	3	52.3	135	max depth +	83	52	97.4	9.42	86.7	17.1	-
					7	2	1.5	51.2	139	max depth +	83	52	97.8	9.4	86.6	17.2	-
8					3.5	2.25	44.8	125	max depth +	83	52	99	9.51	86.5	17.2	-	
9					7	3	44.2	121	max depth +	83	52	98.3	9.13	86.5	17.2	-	
Coon Hollow Creek	Coon-F1	Upstream of WBFR	9/14/2006	E-fish	Lower	2.5	1	25	180	max depth +	-	-	93.6	10.57	87.3	9.9	-
					Upper	3	1	21.8	112	max depth +	-	-	93.5	10.18	86.6	11.7	-
Philbrook Creek	Philbrook-F1	Upstream of Reservoir	9/16/2006	E-fish	Lower	0.3	0.2	5.3	76	max depth +	-	-	59.4	6.12	136.4	13.8	-
					Upper	1.5	0.5	15.4	179.3	max depth +	-	-	56.2	5.83	136.5	13.6	-
	Philbrook-F2	Downstream of Reservoir	9/16/2006	E-fish	Lower	4	1.5	29.8	91.5	max depth +	-	-	80.6	8.32	71.7	13.9	-
					Upper	2.5	1	22.5	102	max depth +	-	-	77.6	7.88	71.8	14.6	-
Long Ravine	Long-F1	Upstream of diversion	10/20/2006	E-fish	Site	1.5	0.5	10.3	150	max depth +	-	-	82.3	9.78	63.1	7.9	8.2
	Long-F2	Downstream of diversion	10/20/2006	E-fish	Site	2.25	0.5	9.9	300	max depth +	-	-	87.9	10.2	95	8.7	8.2

E6.3.2.2-3-C2. Summary of environmental measurements for the fish population monitoring sites, 2006.

Stream	Site	Location	Survey Date	Method	Segment	Max depth (ft)	Avg. depth (ft)	Avg. width (ft)	Length (ft)	Secchi (ft)			Dissolved Oxygen		Conductivity (µS/cm)	Temperature (C)	pH
										Vertical	Sun Behind	Sun In Front	Percent	mg/L			
Cunningham Ravine	Cunningham -F1	Upstream of diversion	10/11/2006	E-fish	Site	1.8	0.8	7.8	246	max depth +	-	-	78.7	8.92	70.4	9.9	9.6
	Cunningham -F2	Downstream of diversion	10/15/2006	E-fish	Site	2.4	0.8	8	300	max depth +	-	-	93.9	10.71	71.1	9.5	8.2
Little West Fork	Little West Fork-F1	Upstream of diversion	10/11/2006	E-fish	Lower	2	0.5	8.8	243	max depth +	-	-			-	-	9.7
					Upper	1.8	0.8	9.2	60	max depth +	-	-	85.65	9.66	-	10.1	9.7
	Little West Fork-F2	Downstream of diversion	10/15/2006	E-fish	Site	2	0.5	8.6	280	max depth +	-	-	92.3	10.6	69.8	9.4	8.2

APPENDIX E6.3.2.2-C3

**Summary of Physical Parameters for the Reservoir Fish Population
Monitoring Sites, 2006.**

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Table E6.3.2.2-C3. Summary of physical parameters for the reservoir fish population monitoring sites, 2006.

Reservoir	Location	Description	Method	DO %	DO mg/l	Water Temp (°C)	Substrate Composition (percent)							Fish Cover (percent)					None	
							Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Organic	Boulder	Wood	Overhanging veg	Flooded veg	Aquatic veg		Ledge
DeSabra Forebay	E1	Near western shore, shallow water	Boat E-fish	90.8	9.33	14.1	0	0	0	0	0	90	10	0	0	5	0	5	0	90
DeSabra Forebay	G1		Gill Net	97.6	10.04	13.5														
DeSabra Forebay	E2	Shallow SW shoreline adjacent to cattails	Boat e-fish	91.1	9.63	13.6	0	0	0	0	0	100	0	0	0	0	0	35	0	65
DeSabra Forebay	G2		Gill net	97.6	10.04	13.5														
DeSabra Forebay	E3	SE shore of lake near overhanging veg	Boat E-fish	93.8	9.71	13.7	0	0	0	0	0	80	20	0	0	10	0	25	0	65
DeSabra Forebay	E4	NW Corner of Dam	Boat E-fish	96.1	8.28	16.3	0	0	0	0	0	95	5	0	0	5	0	0	0	95
Philbrook	G2		Gill Net	80.4	7.39	19.8														
Philbrook	G3		Gill Net	76.2	6.96	19.9														
Philbrook	S2	On mud/veg flat at E end of RES, near dry str. ch.	Beach seine	101.7	8.44	23.8	0	0	0	0	0	100	0	0	0	0	0	100	0	0
Philbrook	S3	W. bnk of reservoir, strong winds caused murky H2O	Beach seine	83.7	7.05	22.5	0	0	0	5	0	95	0	0	0	0	0	0	0	100
Philbrook	S4	West end of the reservoir near center of reservoir	Beach seine	85.4	7.61	21.5	0	0	0	30	50	20	0	0	0	0	0	0	0	100
Philbrook Reservoir	G1		Gill Net	76.7	7.15	20														
Philbrook Reservoir	S1	Eastern end of a small island near cabin	Beach Seine	97.6	8.52	21.3	0	0	0	3	0	97	0	0	0	0	0	25	0	75

APPENDIX E6.3.2.2-C4

**Summary of Physical Parameters for the Stream Fish Population
Monitoring Sites, 2007.**

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E6.3.2.2-C4. Summary of physical parameters for the stream fish population monitoring sites, 2007.

Stream	Site	Location	Survey Date	Method	Method Comparison	Segment	Substrate Composition (percent)						Fish Cover (percent)					Percent Conopy	Habitat Type Composition (percent)					
							Bedrock	Boulder	Cobble	Gravel	Sand	Silt	Undercut bank	Instream veg	Overhanging veg	Boulder	LWD		Bubble	Pool	Riffle	Run	POW	Glide
Butte Creek	Butte 72.1	Upstream of Butte Creek Diversion	10/24/2007	Night Snorkel		1		30	20	40	10				5	10		5	40	20	10	70		
						2		70	20	5	5					50		10	43	30	10	50	10	
	Butte 71.9	Downstream of Butte Creek Diversion	9/28/2007	Day Efish ¹	X	Lower (2)	50	30	10	5	5				20	60			26	5	75	20		
					X	Upper (3)	25	25	15	30	5		20	20	50			18	65	30	5			
			10/23/2007	Night Snorkel		1	65	35							60		10		20		80			
	Butte 62.0	Upstream of Lower Centerville Diversion	10/1/2007	Night Snorkel	X	2	50	30	10	5	5				20	45		15	26	5	75	20		
					X	3	25	25	15	30	5		20	20	50			18	65	30	5			
	Butte 61.7	Downstream of Lower Centerville Diversion	10/1/2007	Night Snorkel	X	1	20	60	10	10					10	50		10		10	55	35		
						2	20	60			20				60	5	20		100					
	West Branch Feather River	WBFR 29.3	Upstream of Hendricks Head Dam	9/25/2007	Day Efish	X	Lower	5	35	30	15	15		5	5	20	10		10	33	40	40	20	
X						Upper		55	40	5				15	35	5	20	43		90	10			
9/30/2007				Day Snorkel ¹	X	Lower	5	35	30	15	15		5	5	20	10		10	33	40	40	20		
					X	Upper		55	40	5				15	35	5	20	43		65	10	25		
WBFR 28.5		Downstream of Hendricks Head Dam	9/26/2007	Day Efish		Lower	30	40	10	10	10			5	45	25			72	25	15	60		
						Upper		75	20	5				35	30	10			87		75	25		

¹ Method used for comparison purposes only.

APPENDIX E6.3.2.2-C5

**Summary of Physical Parameters for the Stream Fish Population
Monitoring Sites, 2007**

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E6.3.2.2-C5. Summary of environmental measurements for the fish population monitoring sites, 2007.

Stream	Site	Location	Survey Date	Method	Method Comparison	Segment	Max depth (ft)	Avg. width (ft)	Length (ft)	Wetted Surface Area (ft ²)	Secchi (ft)			Approx. Flow (cfs)	Dissolved Oxygen		Conductivity (µS/cm)	Temperature (C)	pH
											Vertical	Sun Behind	Sun In Front		Percent	mg/L			
Butte Creek	Butte 72.1	Upstream of Butte Creek Diversion	10/24/2007	Night Snorkel		1	4.5	47.5	210	9975	4.5	15.5		45	262.1	-	-	8.5	8.3
						2	4.5	47.5	114	5415	4.5	15.5		45	262.1	-	-	8.5	8.3
	Butte 71.9	Downstream of Butte Creek Diversion	9/28/2007	Day Efish ¹	X	Lower (2)	2.75	19.83	85	1685.55				40	77.3	8.85	82.9	9.3	8.7
					X	Upper (3)	3.85	43.5	145	6307.5				40	72.1	8.18	85.1	9.9	8.7
			10/23/2007	Night Snorkel		1	3.5	7.3	50	365	3.5	18		35	90.7	10.98	80.6	8.7	8.3
	Butte 62.0	Upstream of Lower Centerville Diversion	10/1/2007	Night Snorkel	X	1	3.5	32.3	127	4102.1	3.5	12		45	88	9.46	102.4	13.2	
						2	4			4	12		45	88	9.4	102.4	13.2		
			9/29/2007	Day Efish ¹	X	Site (1)	3.5	32.3	127	4102.1				45	90.9	9.98	99.2	11.2	8.7
	Butte 61.7	Downstream of Lower Centerville Diversion	10/1/2007	Night Snorkel		1	4.5	46.5	198	9207	4.5	12		45	84.2	9.33	87.4	10.7	
						2	6	34	59	2006	6	12		45	84.2	9.33	87.4	10.7	
West Branch Feather River	WBFR 29.3	Upstream of Hendricks Head Dam	9/25/2007	Day Efish	X	Lower	4.5	32.8	200	6560				30	72.6	8.53	70.7	8.3	9.1
					X	Upper	2.7	34.6	100	3460				30	72.6	8.53	70.7	10.2	9.1
			9/30/2007	Day Snorkel ¹	X	Lower	4.5	38.9	200	7780	4.5	55	21	30	76.5	9.19	69.8	7.2	
					X	Upper	2.7	34.8	100	3480	2.7	55	21	30	76.5	9.18	70.5	7.5	
	WBFR 28.5	Downstream of Hendricks Head Dam	9/26/2007	Day Efish		Lower	4	30.92	119	3679.48				18	67.1	7.87	77.5	9	9.2
					Upper	2.25	39.25	185	7261.25				18	62.2	6.93	81.3	11		

¹ Method used for comparison purposes only.

APPENDIX E6.3.2.2-D

2006 Length Frequency Distribution Figures

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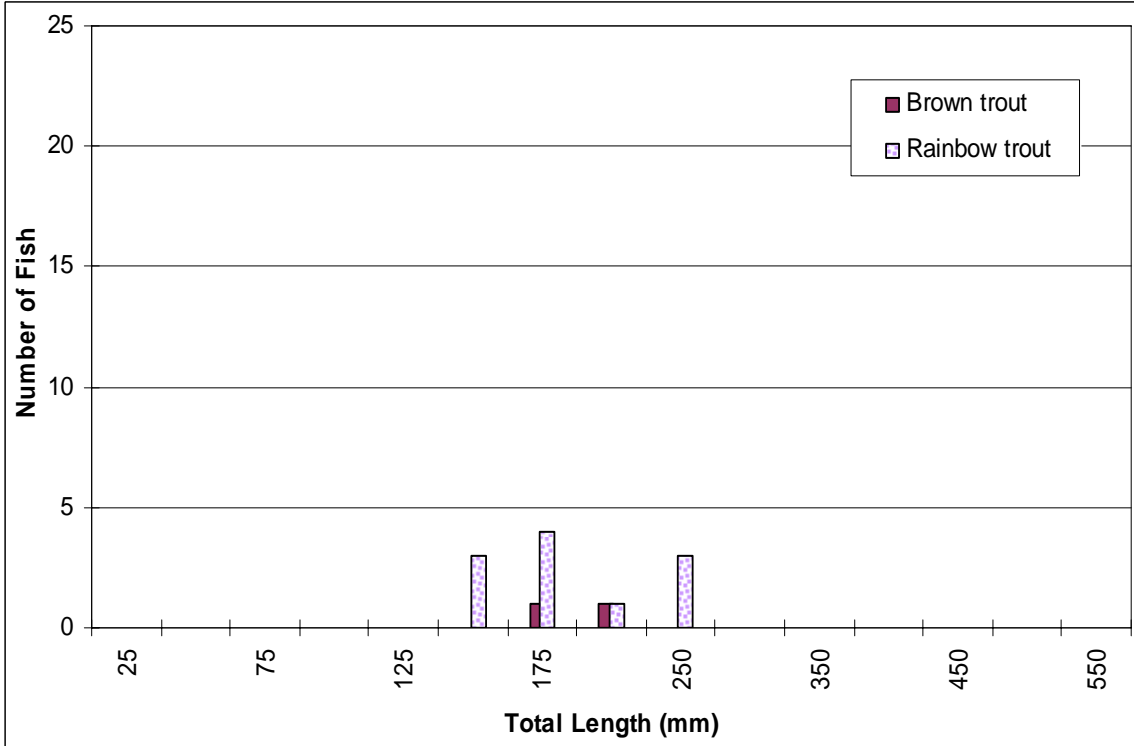


Figure E6.3.2.2-D1. Length frequency distribution of fish observed during snorkel surveys in Butte Creek upstream of Butte Creek Diversion (Butte 72.2), October 2006.

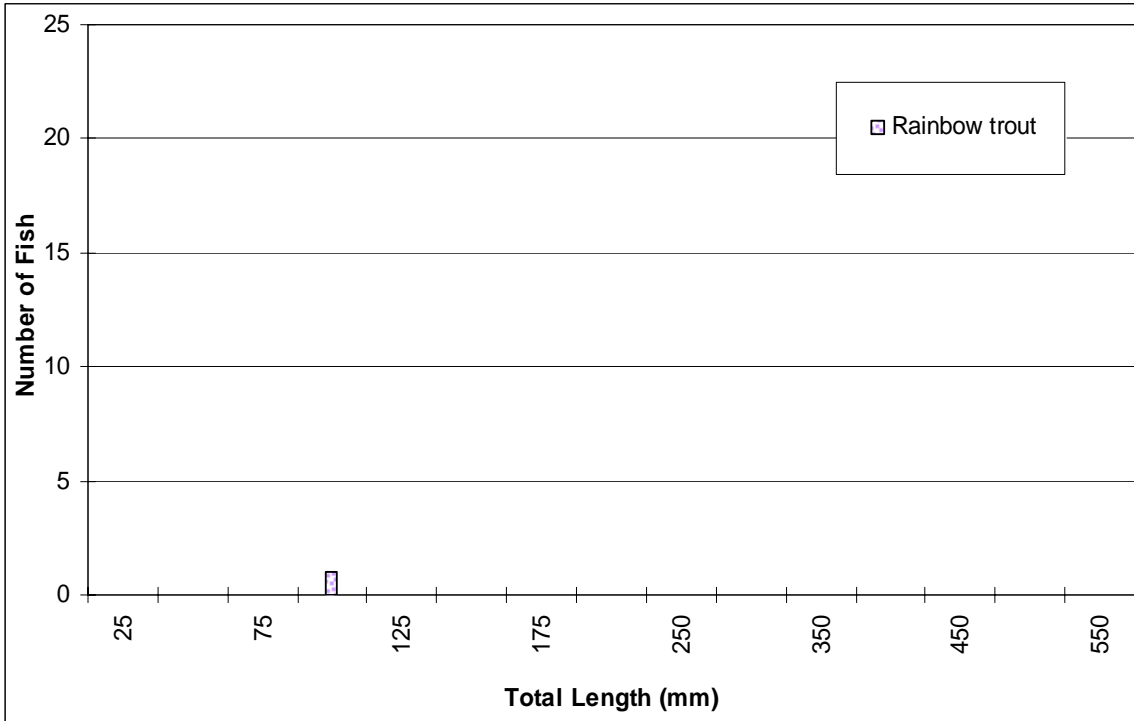


Figure E6.3.2.2-D2. Length frequency distribution of fish observed during snorkel surveys in Butte Creek downstream of Butte Creek Diversion Dam (Butte 71.8), October 2006.

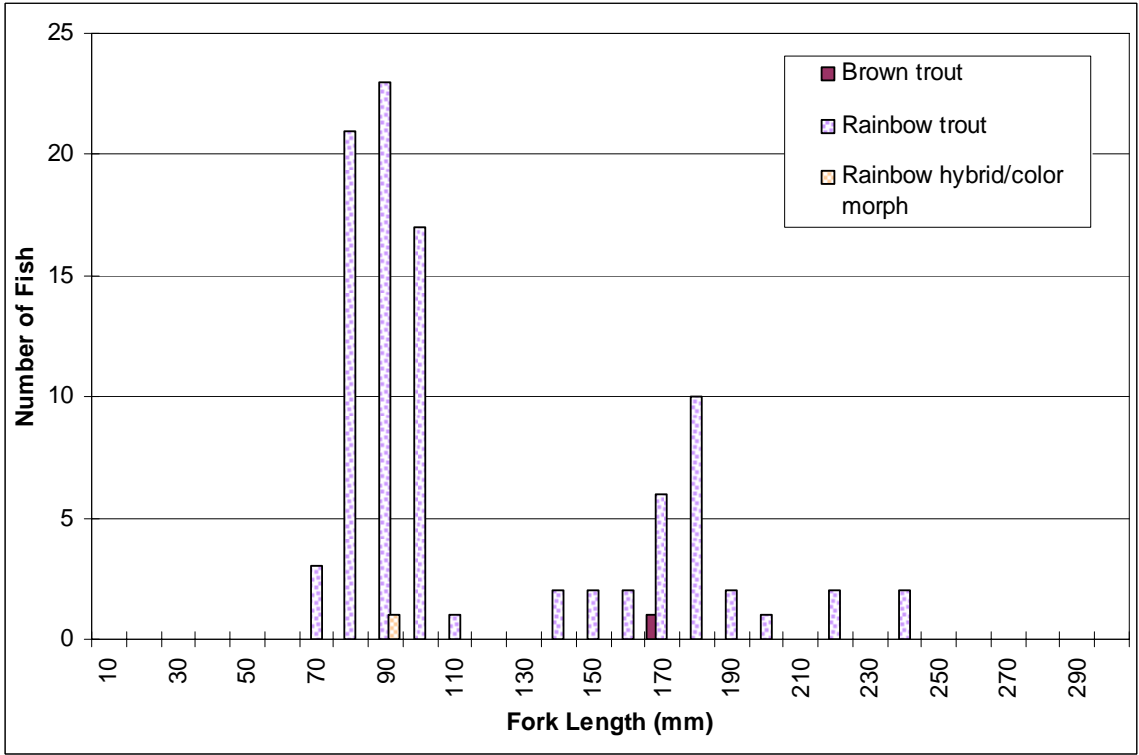


Figure E6.3.2.2-D3. Length frequency distribution of fish captured during electrofishing in Butte Creek at Doe Mill Bridge (Butte 65.3), September 2006.

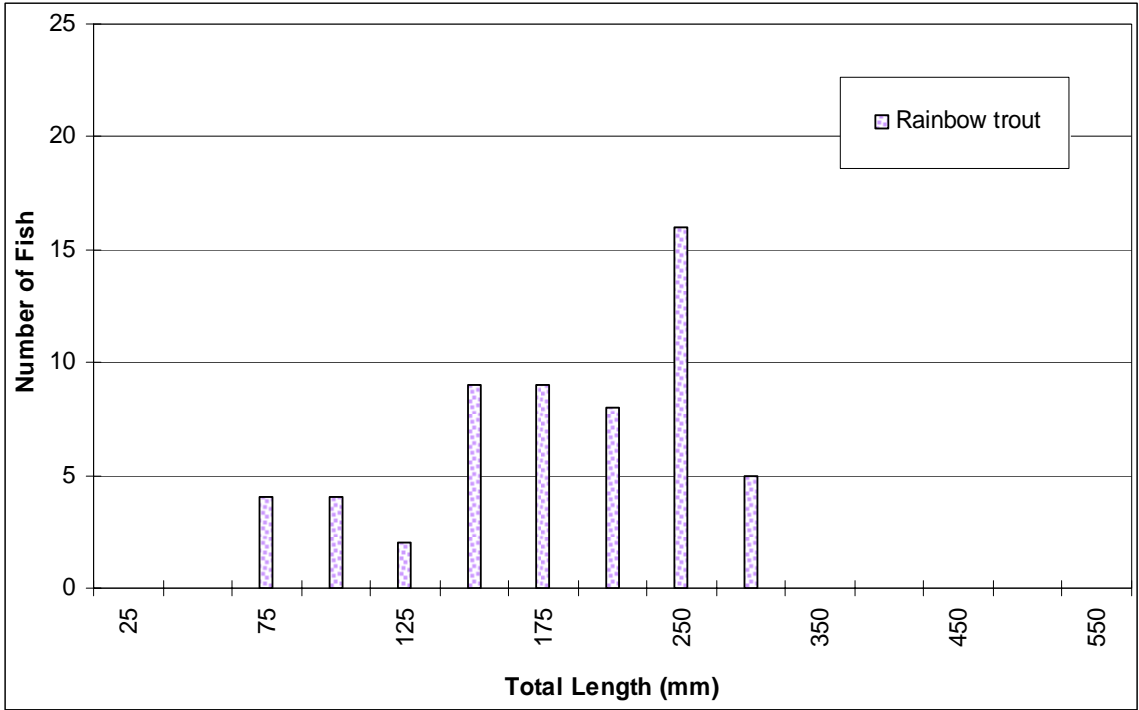


Figure E6.3.2.2-D4. Length frequency distribution of fish observed during snorkel surveys in Butte Creek upstream of Lower Centerville Diversion Dam (Butte 61.9), September 2006.

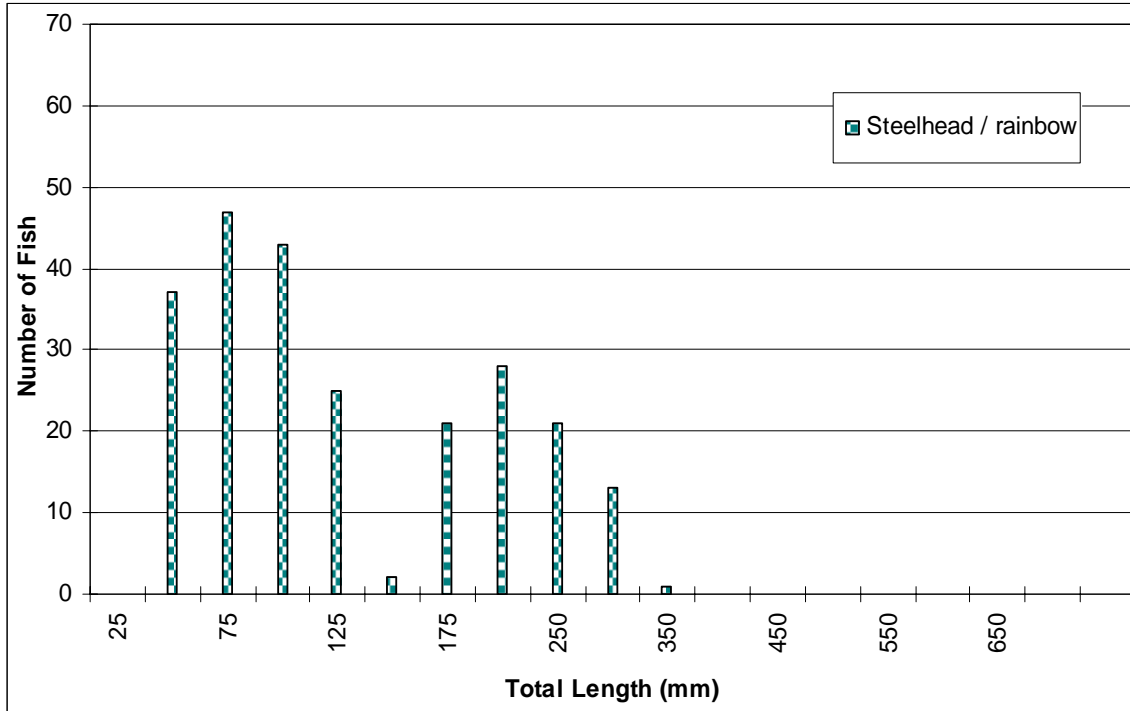


Figure E6.3.2.2-D5. Length frequency distribution of fish observed during snorkel surveys in Butte Creek downstream of Lower Centerville Diversion Dam (Butte 61.7), September 2006.

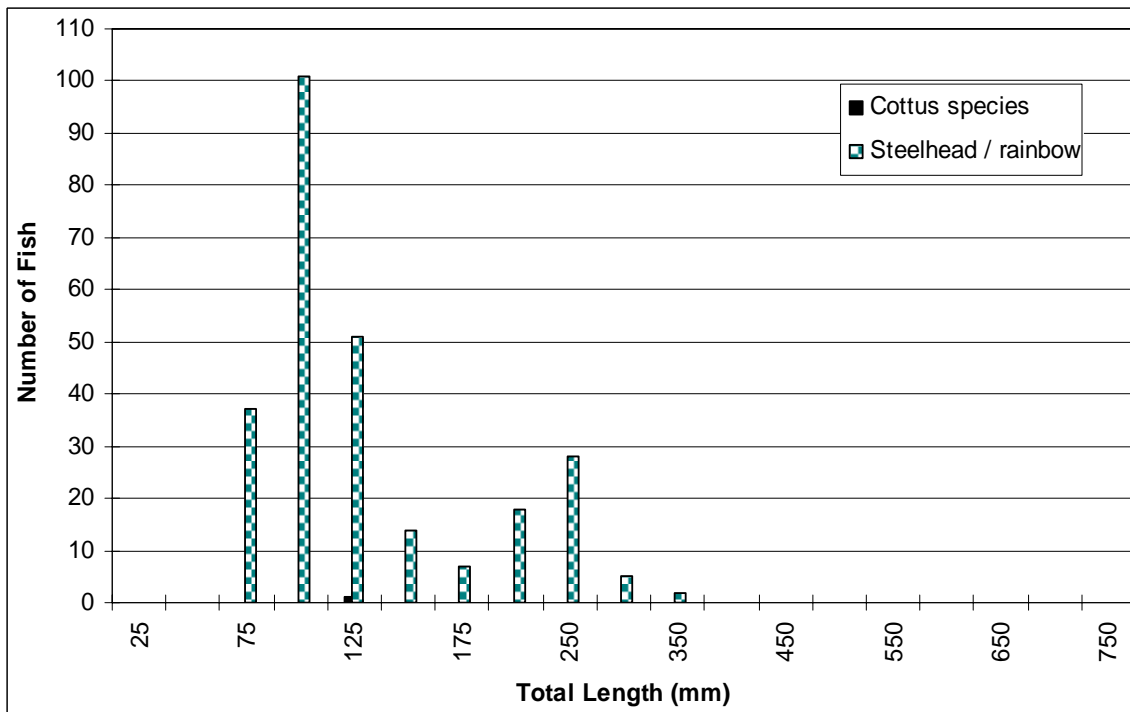


Figure E6.3.2.2-D6. Length frequency distribution of sculpin and salmonids observed during snorkel surveys in Butte Creek upstream of Quartz Bowl (Butte 60.8), September 2006.

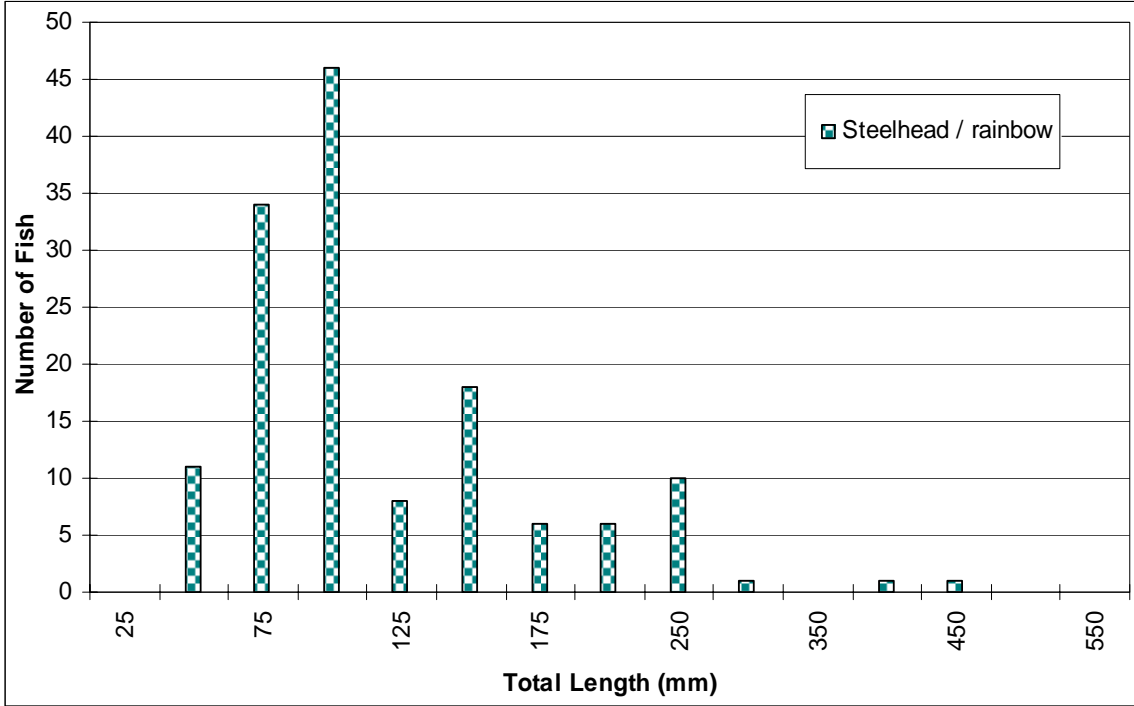


Figure E6.3.2.2-D7. Length frequency distribution of salmonids observed during snorkel surveys in Butte Creek at Whiskey Flat (Butte 59.0), September 2006.

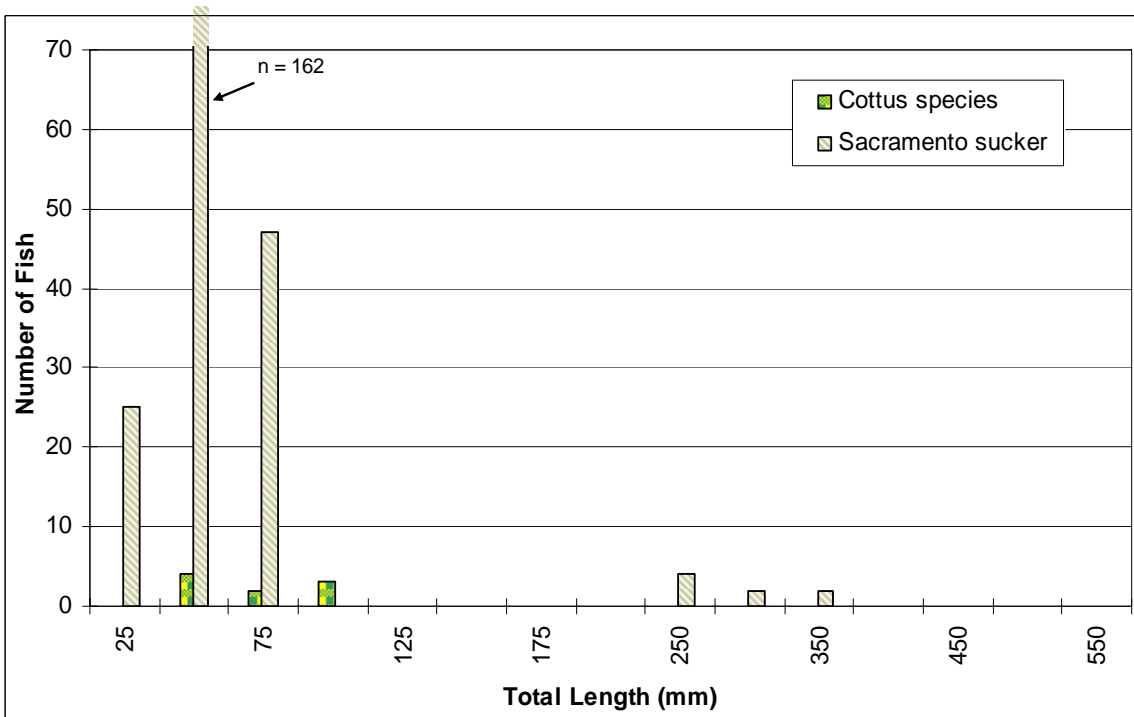


Figure E6.3.2.2-D8. Length frequency distribution of sculpin and suckers observed during snorkel surveys in Butte Creek at Whiskey Flat (Butte 59.0), September 2006.

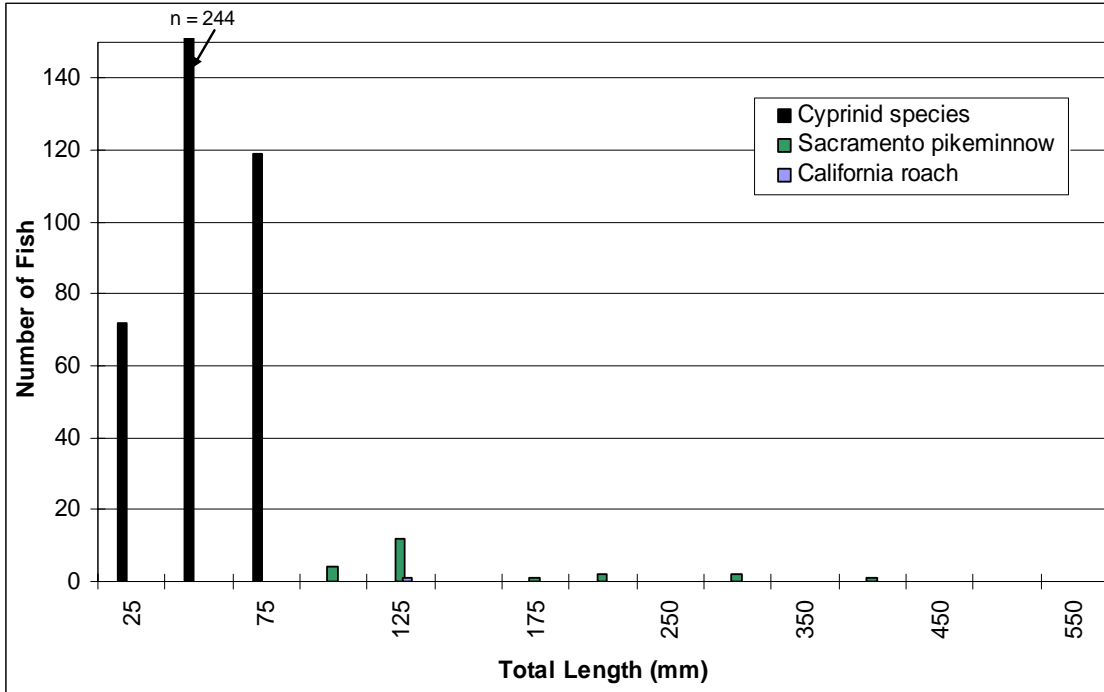


Figure E6.3.2.2-D9. Length frequency distribution of minnows observed during snorkel surveys in Butte Creek at Whiskey Flat (Butte 59.0), September 2006.

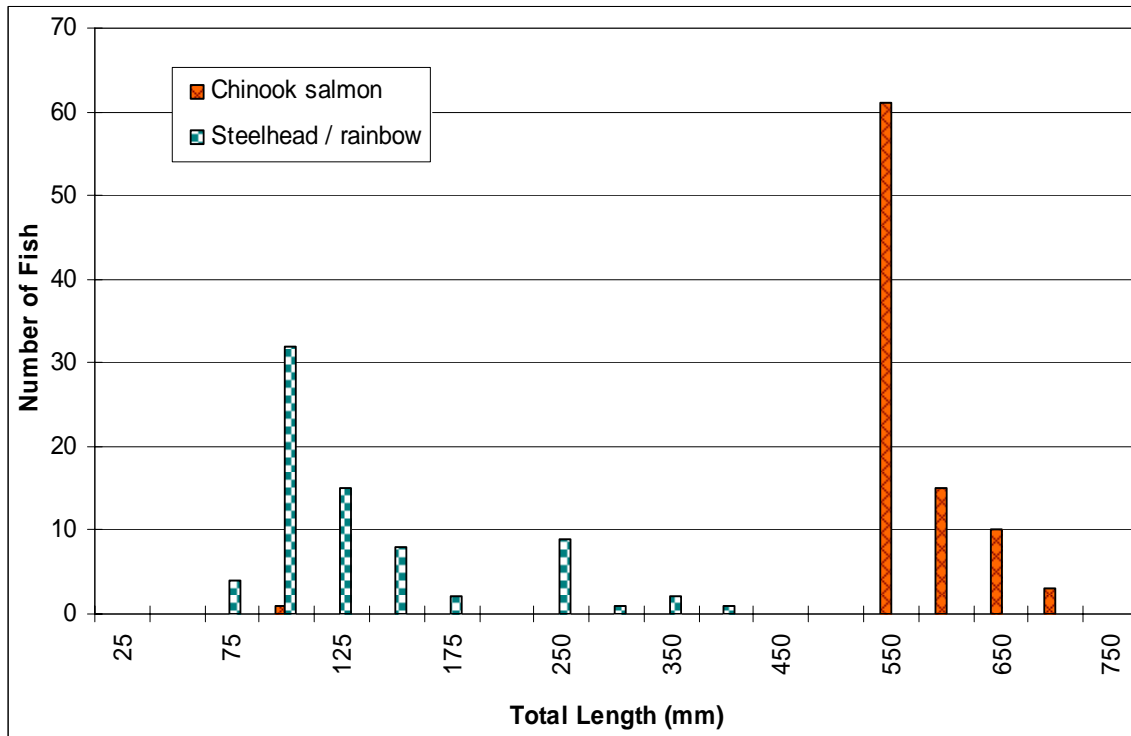


Figure E6.3.2.2-D10. Length frequency distribution of salmonids observed during snorkel surveys in Butte Creek at Helltown (Butte 56.5), September 2006.

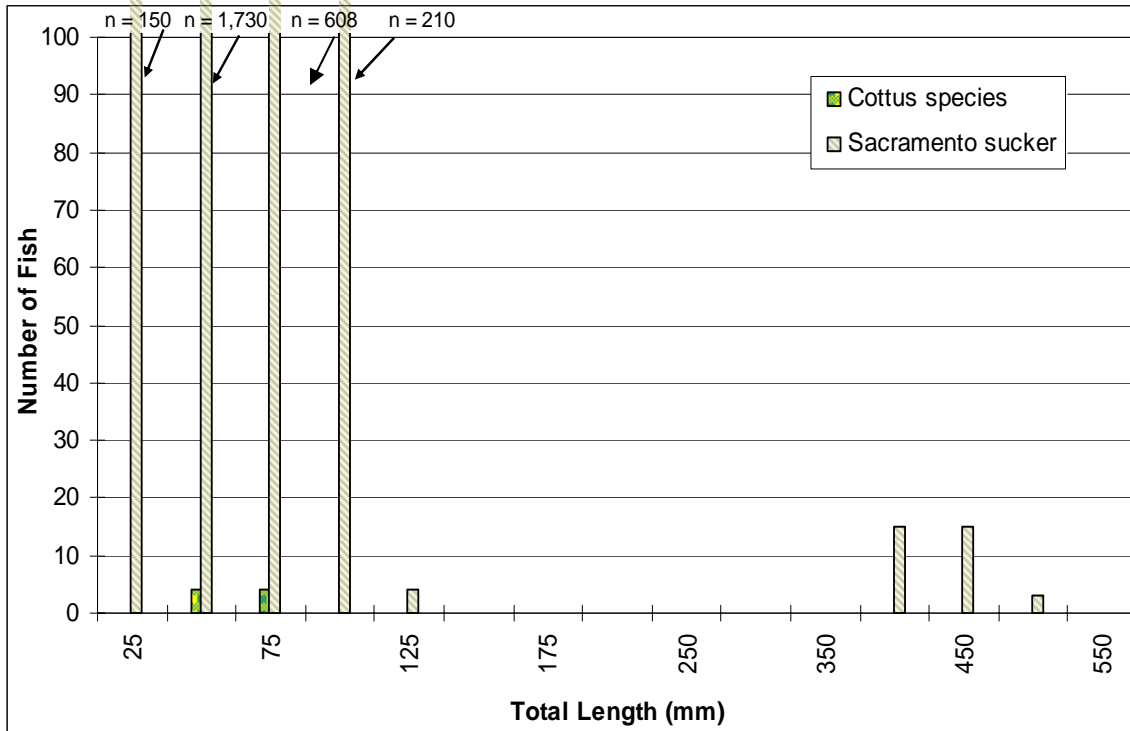


Figure E6.3.2.2-D11. Length frequency distribution of sculpin and suckers observed during snorkel surveys in Butte Creek at Helltown (Butte 56.5), September 2006.

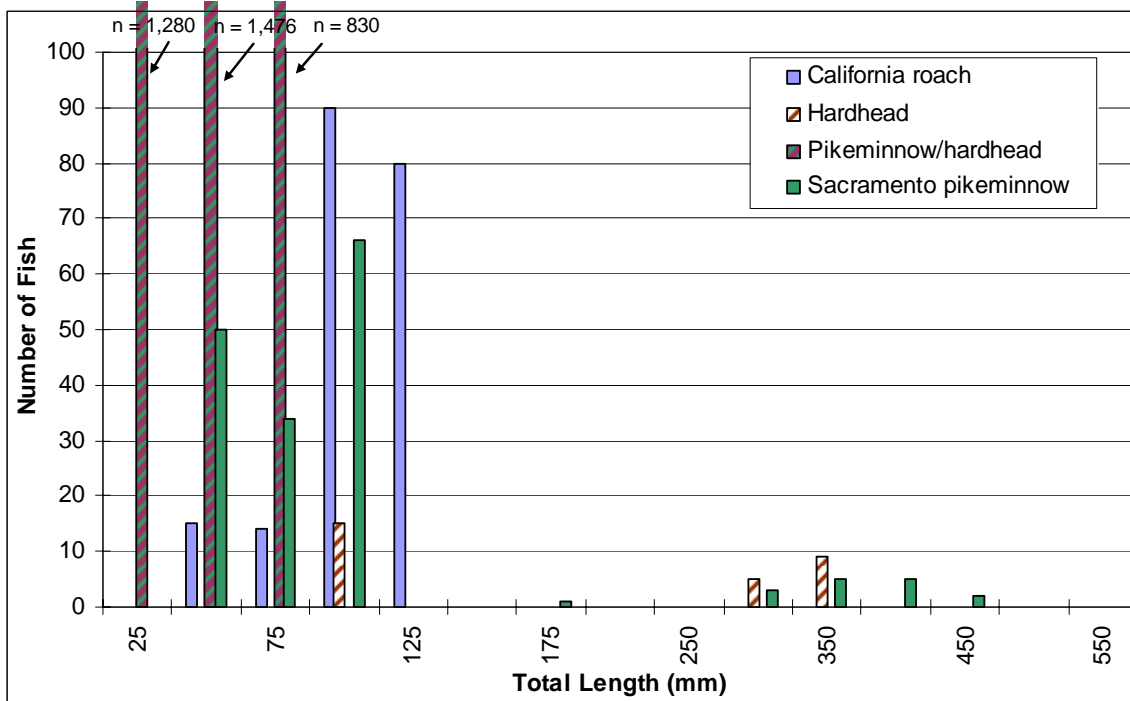


Figure E6.3.2.2-D12. Length frequency distribution of minnows observed during snorkel surveys in Butte Creek at Helltown (Butte 56.5), September 2006.

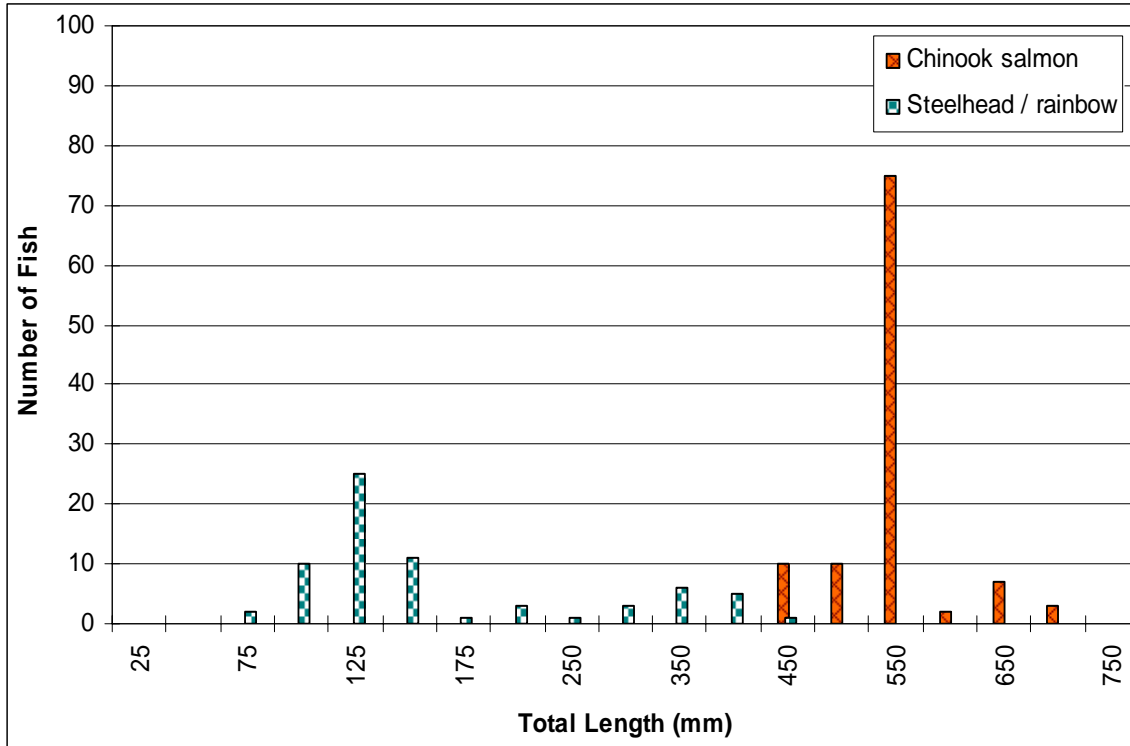


Figure E6.3.2.2-D13. Length frequency distribution of salmonids observed during snorkel surveys in Butte Creek at Humbug Bridge (Butte 54.6), September 2006.

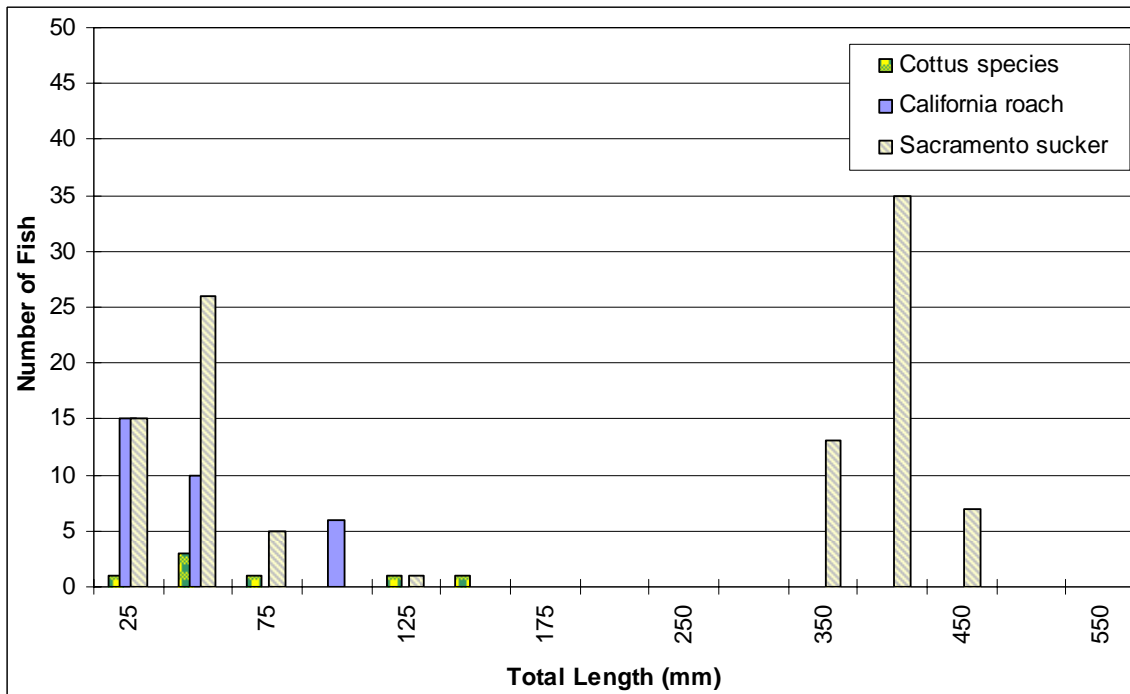


Figure E6.3.2.2-D14. Length frequency distribution of sculpin, roach, and suckers observed during snorkel surveys in Butte Creek at Humbug Bridge (Butte 54.6), September 2006.

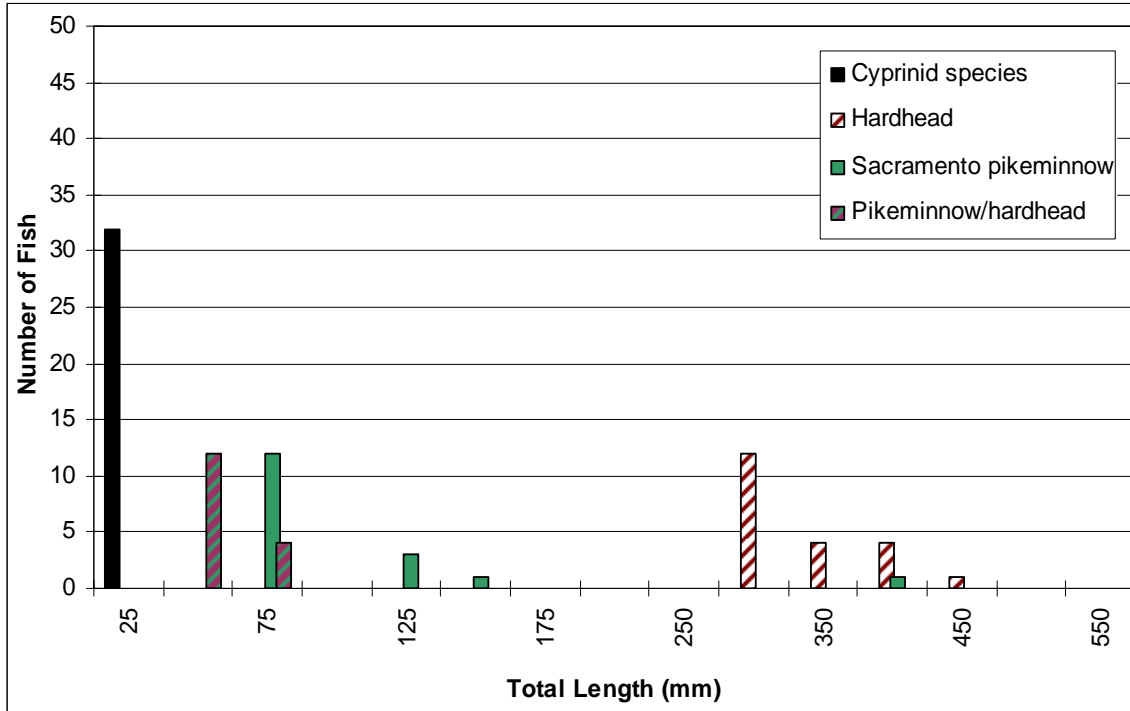


Figure E6.3.2.2-D15. Length frequency distribution of minnows observed during snorkel surveys in Butte Creek at Humbug Bridge (Butte 54.6), September 2006.

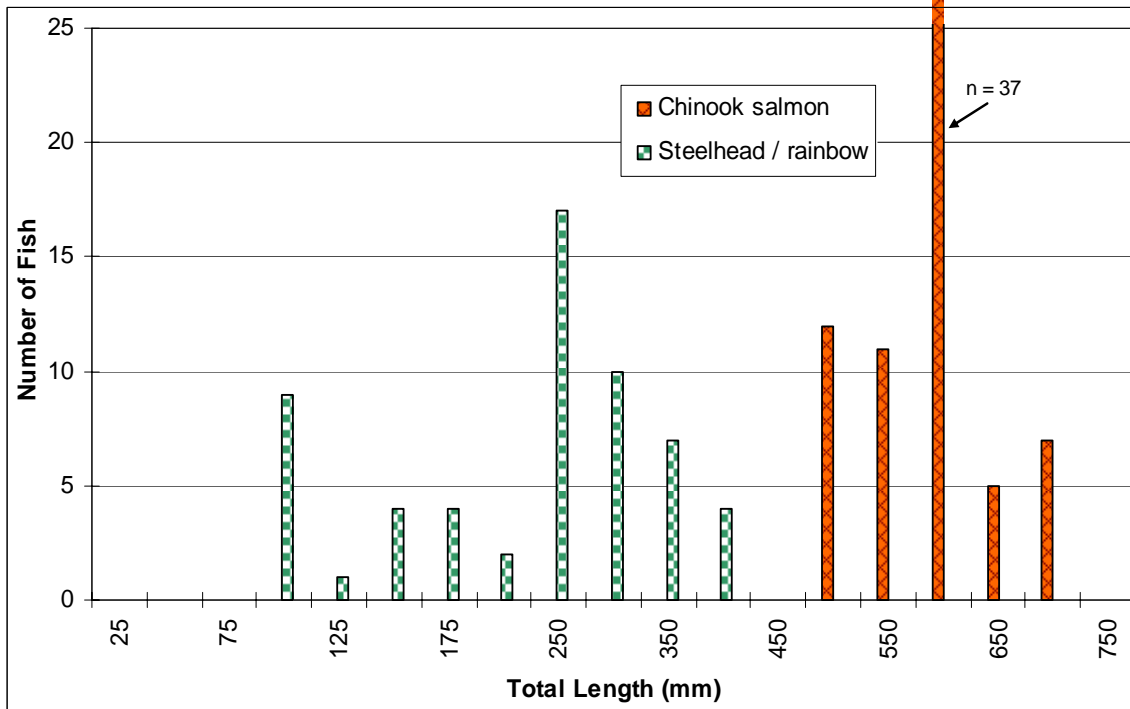


Figure E6.3.2.2-D16. Length frequency distribution of salmonids observed during snorkel surveys in Butte Creek at Quail Run Bridge (Butte 53.4), September 2006.

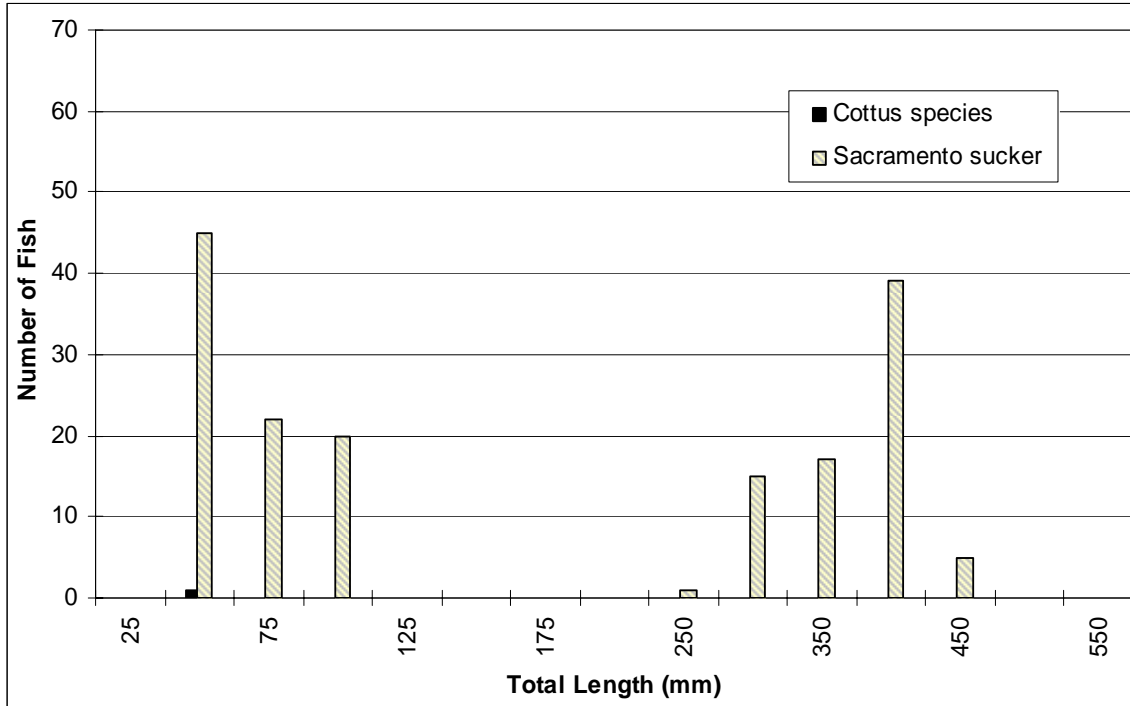


Figure E6.3.2.2-D17. Length frequency distribution of sculpin and suckers observed during snorkel surveys in Butte Creek at Quail Run Bridge (Butte 53.4), September 2006.

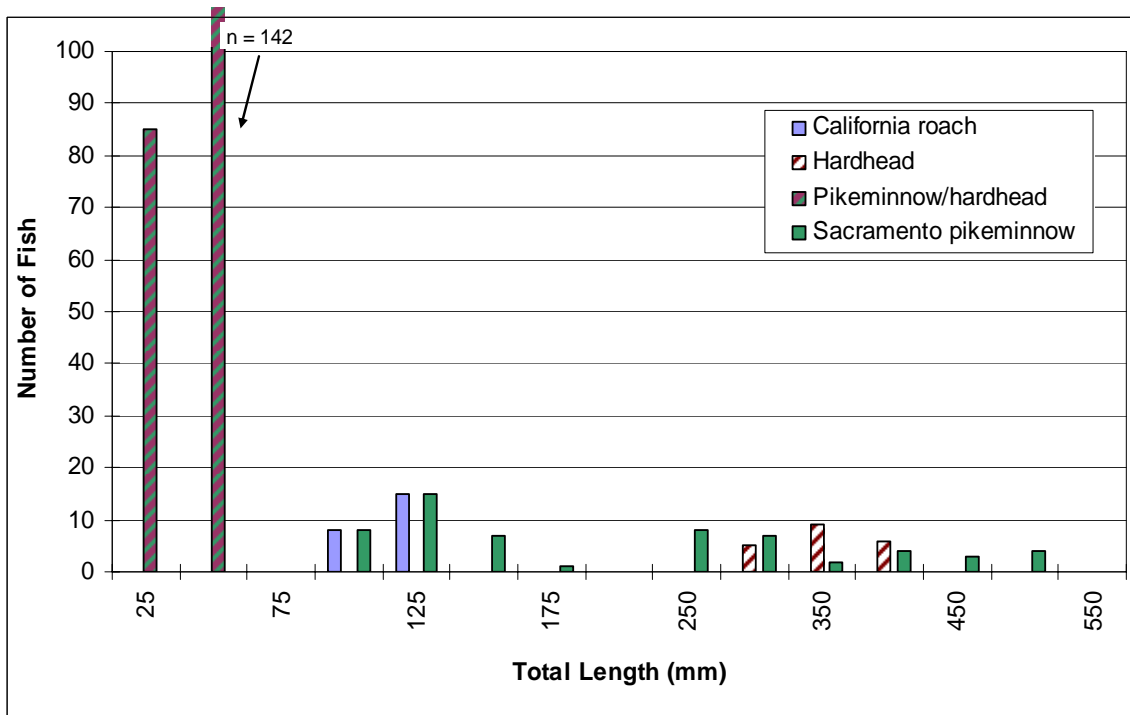


Figure E6.3.2.2-D18. Length frequency distribution of minnows observed during snorkel surveys in Butte Creek at Quail Run Bridge (Butte 53.4), September 2006.

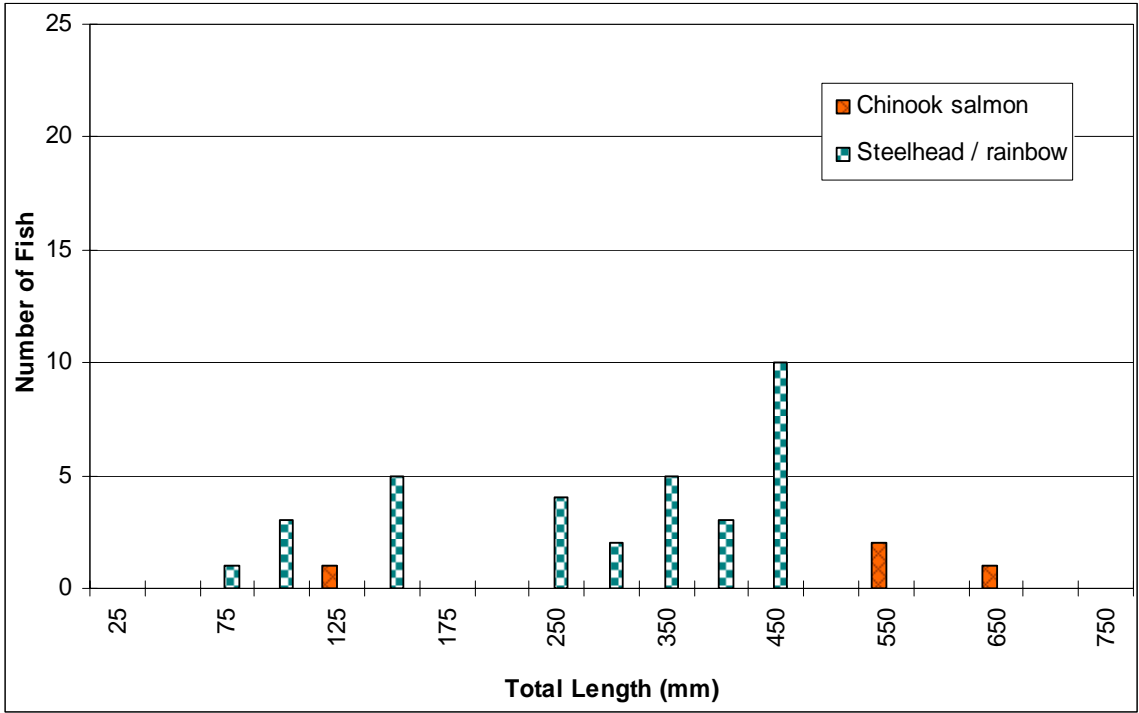


Figure E6.3.2.2-D19. Length frequency distribution of salmonids observed during snorkel surveys in Butte Creek upstream of Honey Run Covered Bridge (Butte 50.5), September 2006.

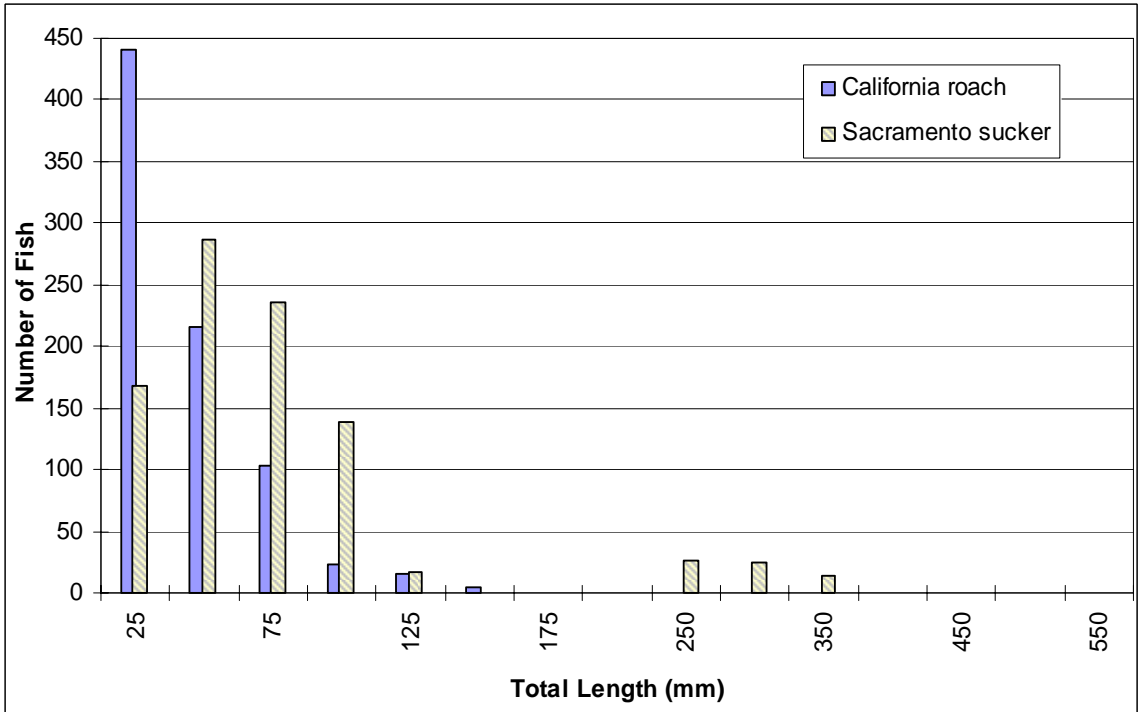


Figure E6.3.2.2-D20. Length frequency distribution of roach and suckers observed during snorkel surveys in Butte Creek upstream of Honey Run Covered Bridge (Butte 50.5), September 2006.

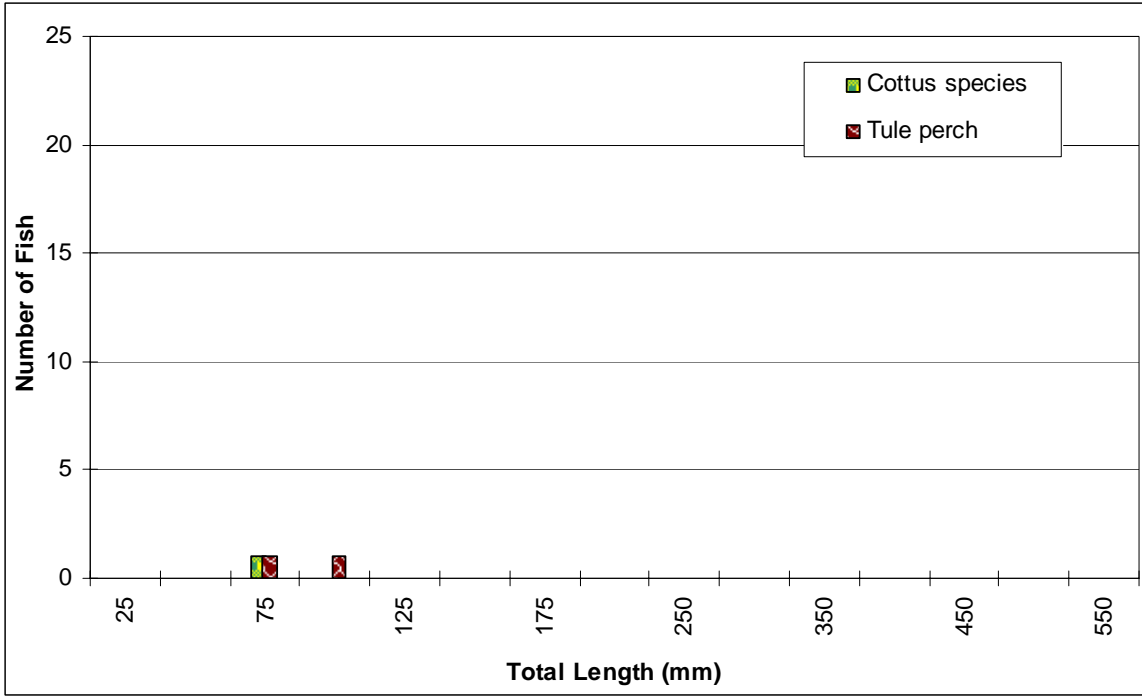


Figure E6.3.2.2-D21. Length frequency distribution of sculpin and surfperch observed during snorkel surveys in Butte Creek upstream of Honey Run Covered Bridge (Butte 50.5), September 2006.

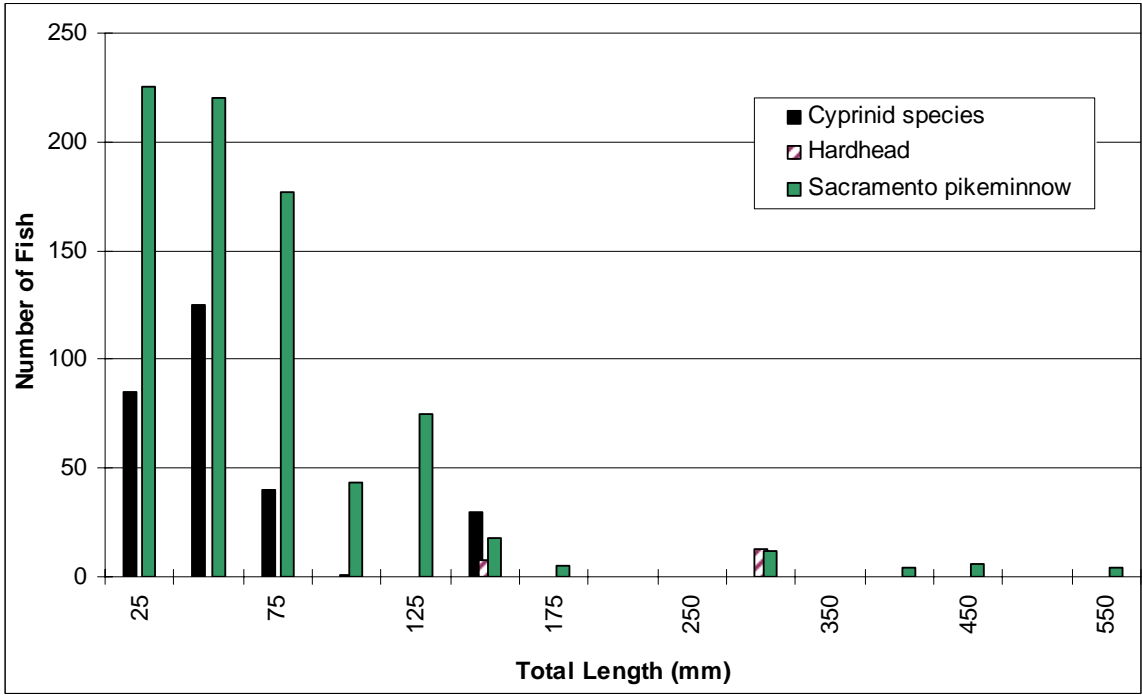


Figure E6.3.2.2-D22. Length frequency distribution of minnows observed during snorkel surveys in Butte Creek upstream of Honey Run Covered Bridge (Butte 50.5), September 2006.

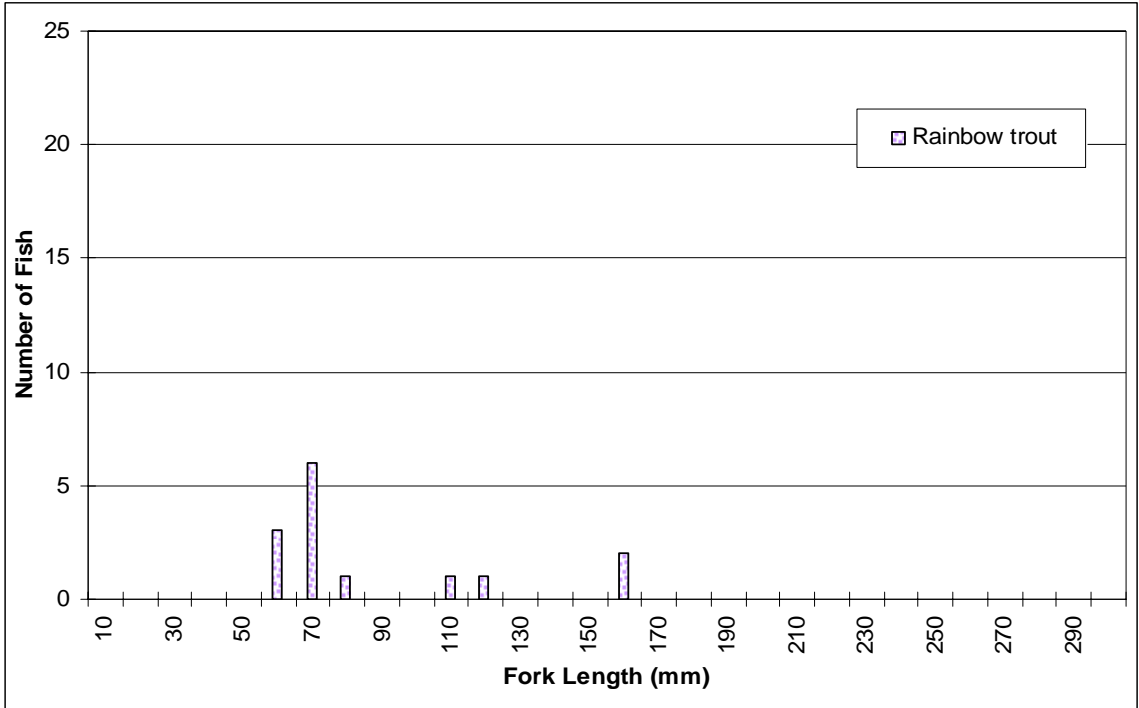


Figure E6.3.2.2-D23. Length frequency distribution of fish captured during electrofishing in Inskip Creek upstream of the diversion (Inskip-F1), October 2006.

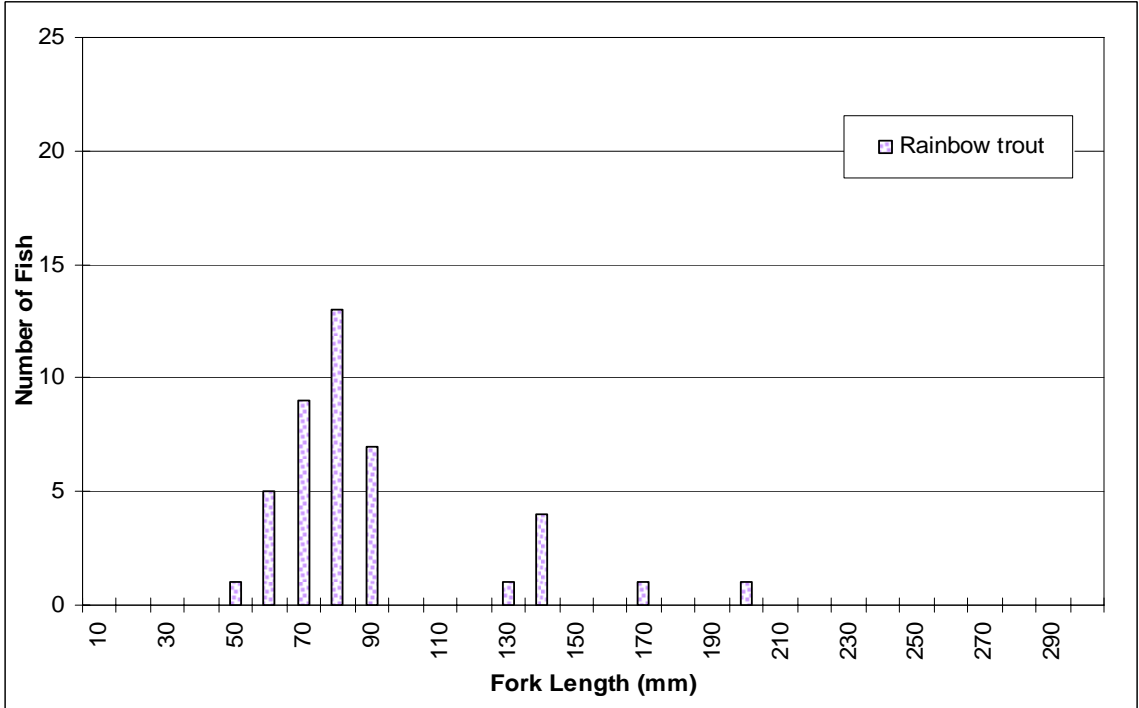


Figure E6.3.2.2-D24. Length frequency distribution of fish captured during electrofishing in Inskip Creek downstream of the diversion (Inskip-F2), October 2006.

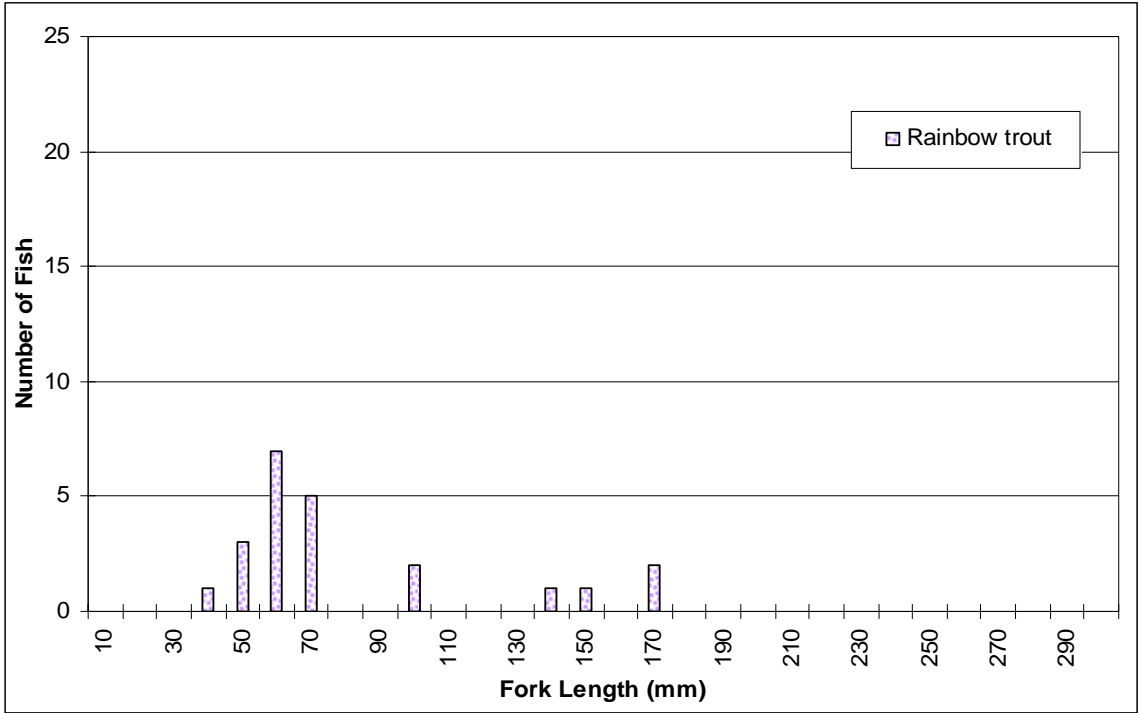


Figure E6.3.2.2-D25. Length frequency distribution of fish captured during electrofishing in Kelsey Creek upstream of the diversion (Kelsey-F1), October 2006.

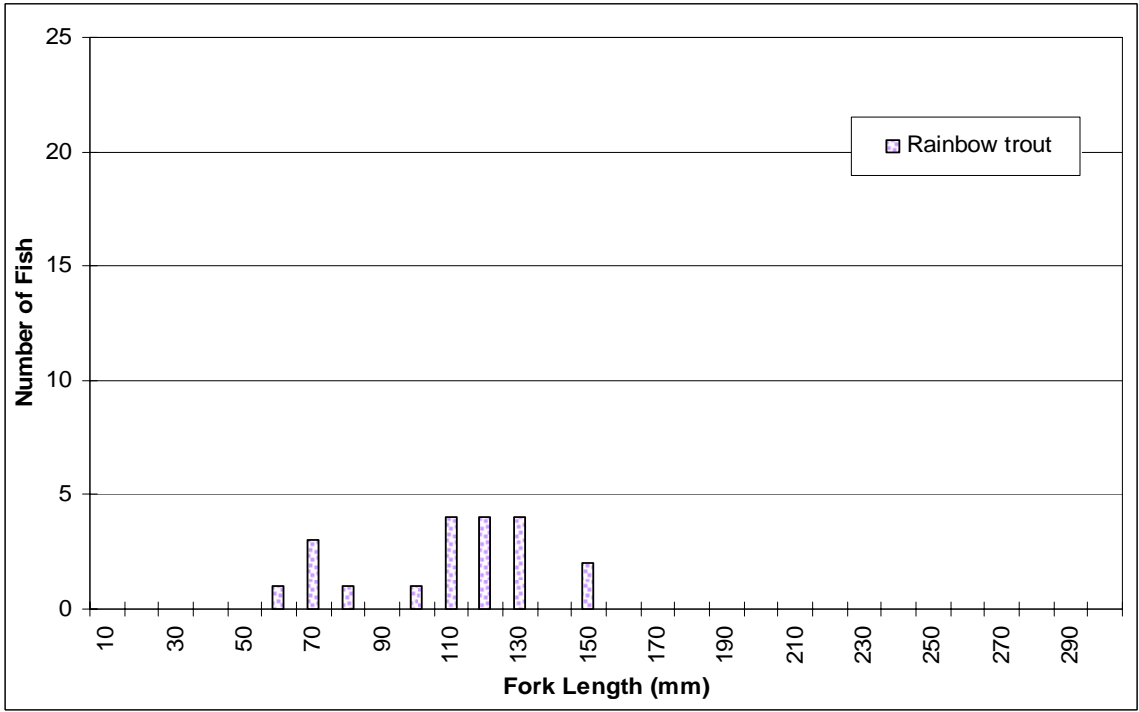


Figure E6.3.2.2-D26. Length frequency distribution of fish captured during electrofishing in Kelsey Creek downstream of the diversion (Kelsey-F2), October 2006.

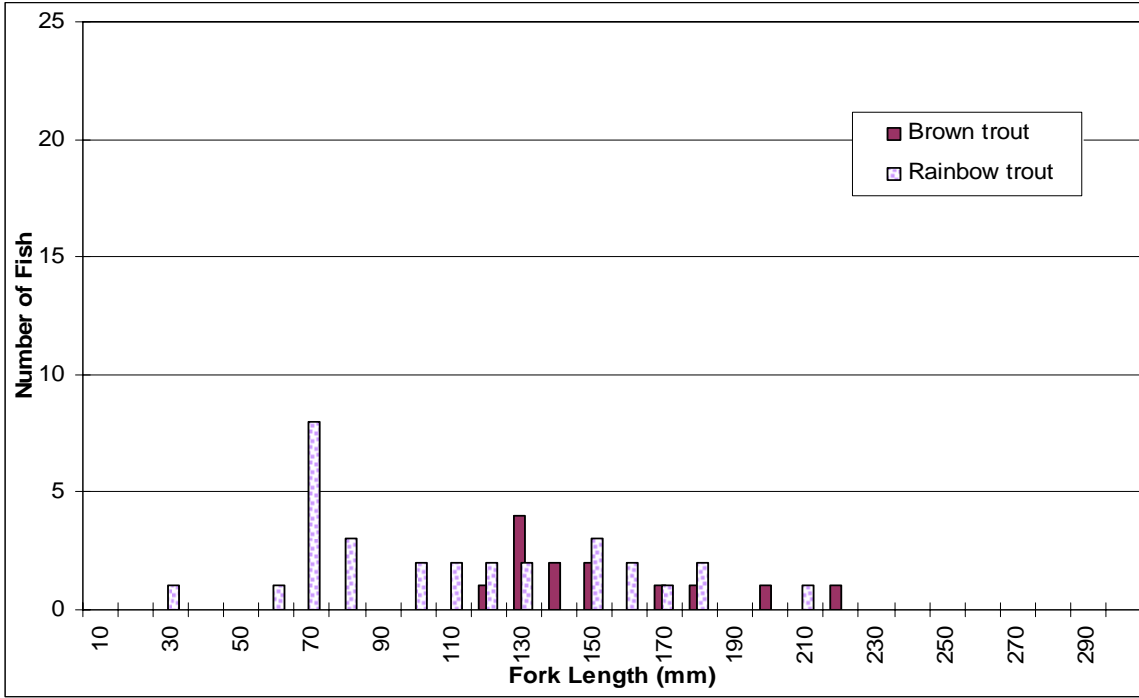


Figure E6.3.2.2-D27. Length frequency distribution of fish captured during electrofishing in Clear Creek upstream of the diversion (Clear-F1), October 2006.

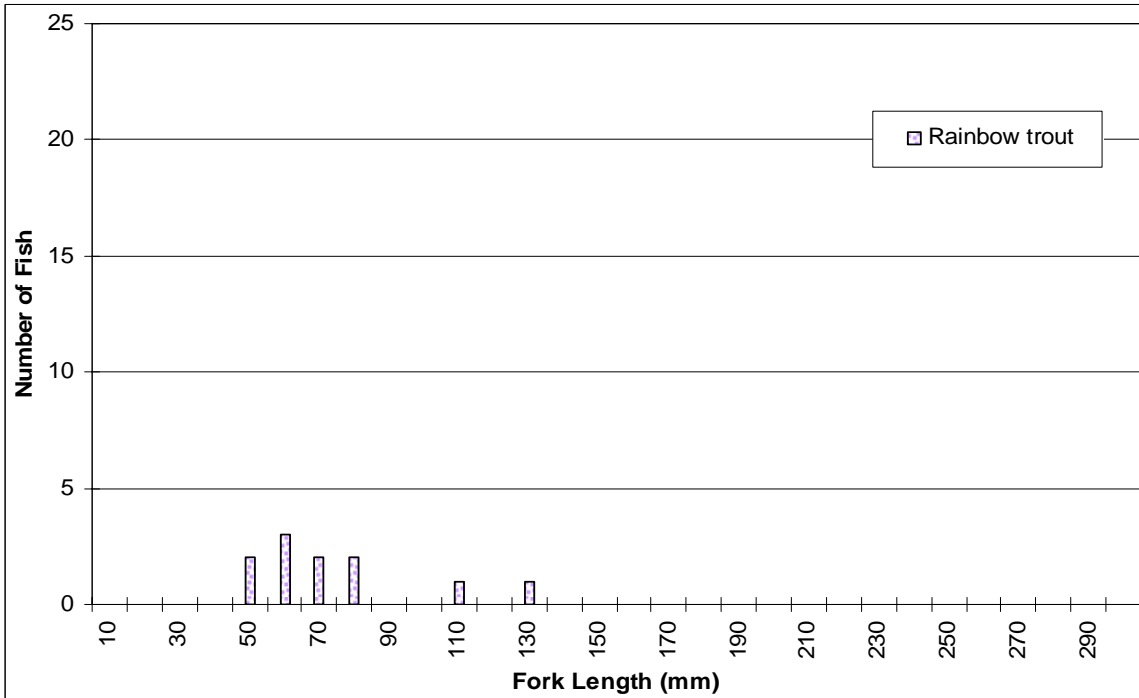


Figure E6.3.2.2-D28. Length frequency distribution of fish captured during electrofishing in Clear Creek downstream of the diversion (Clear-F2), October 2006.

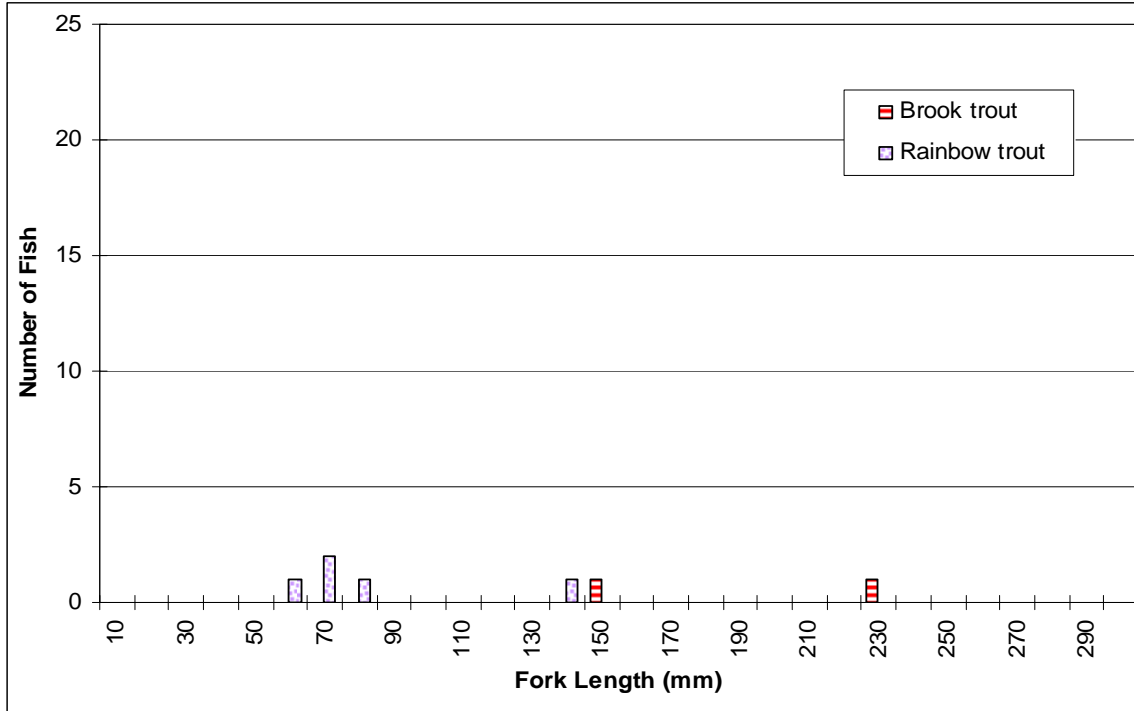


Figure E6.3.2.2-D29. Length frequency distribution of fish captured during electrofishing in the West Branch Feather River downstream of Round Valley Reservoir (WBFR 43.6), September 2006.

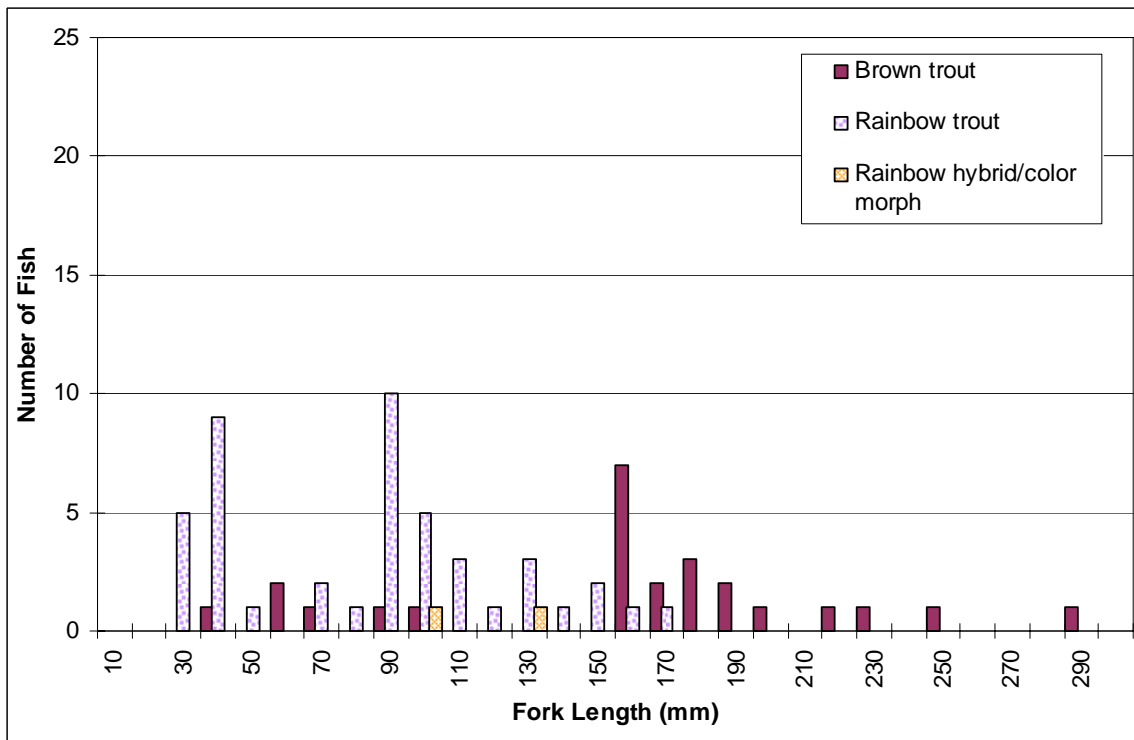


Figure E6.3.2.2-D30. Length frequency distribution of fish captured during electrofishing in the West Branch Feather River downstream of Coon Hollow Creek (WBFR 41.1), September 2006.

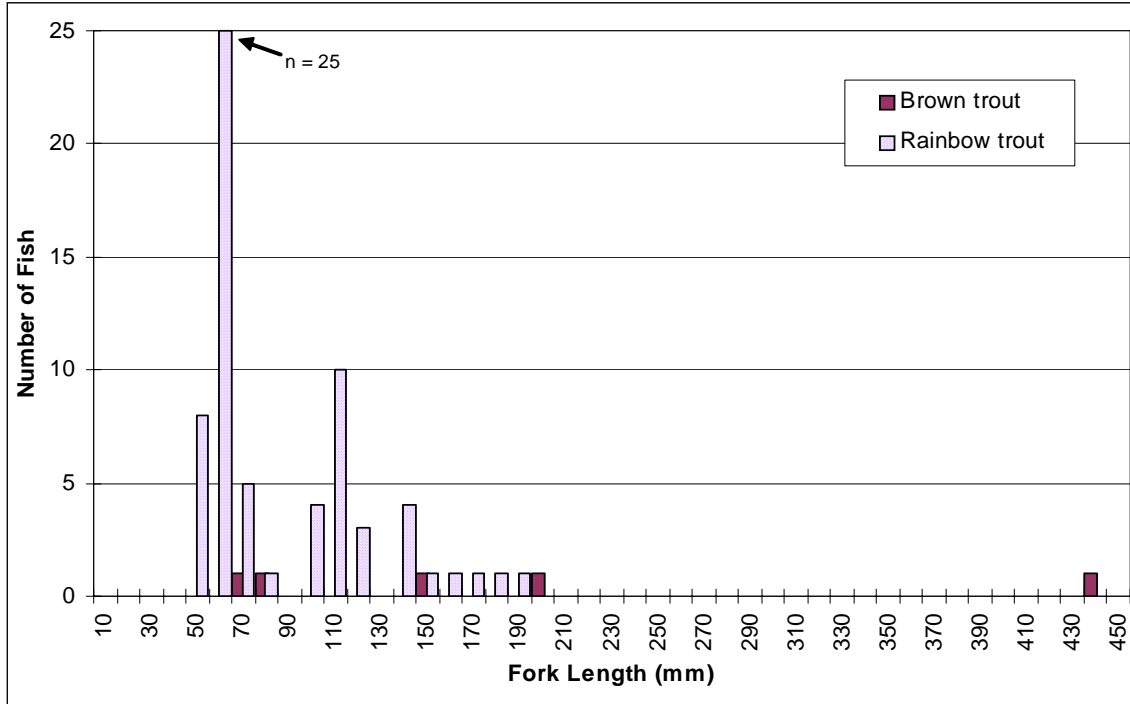


Figure E6.3.2.2-D31. Length frequency distribution of fish captured during electrofishing in the West Branch Feather River at road 25N06 (WBFR 35.0), October 2006.

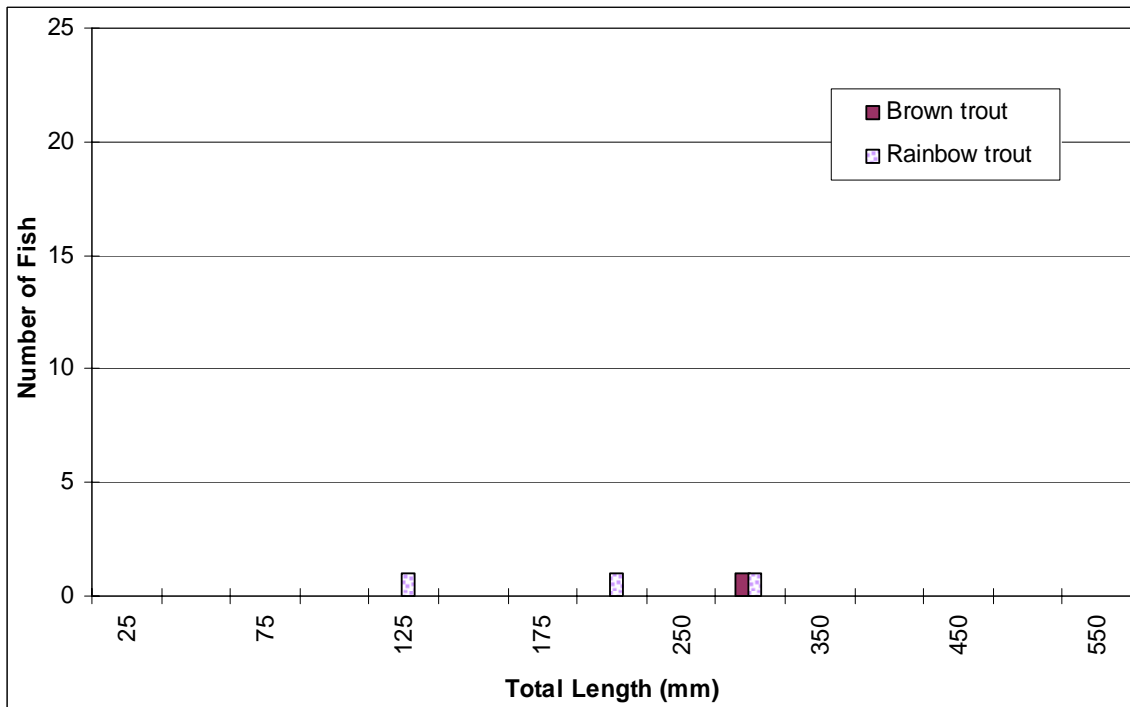


Figure E6.3.2.2-D32. Length frequency distribution of fish observed during snorkel surveys in the West Branch Feather River upstream of Hendricks Diversion Dam (WBFR 30.2), October 2006.

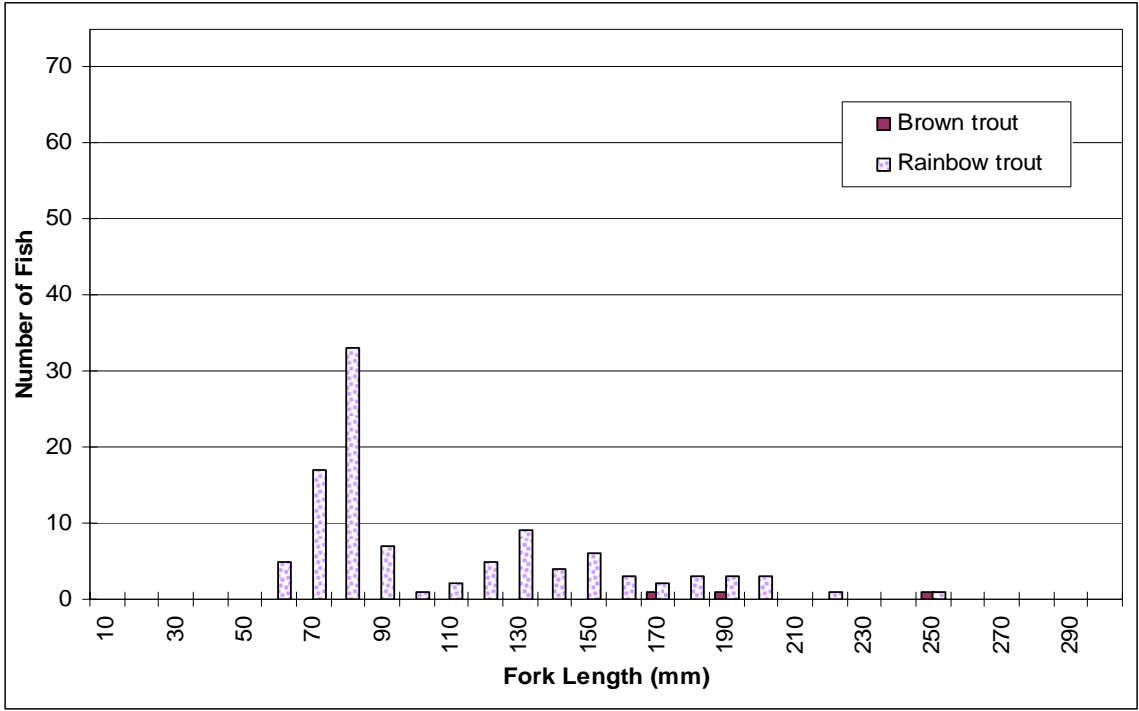


Figure E6.3.2.2-D33. Length frequency distribution of fish captured during electrofishing in the West Branch Feather River at Hendricks Canal road "A" (WBFR 28.5), October 2006.

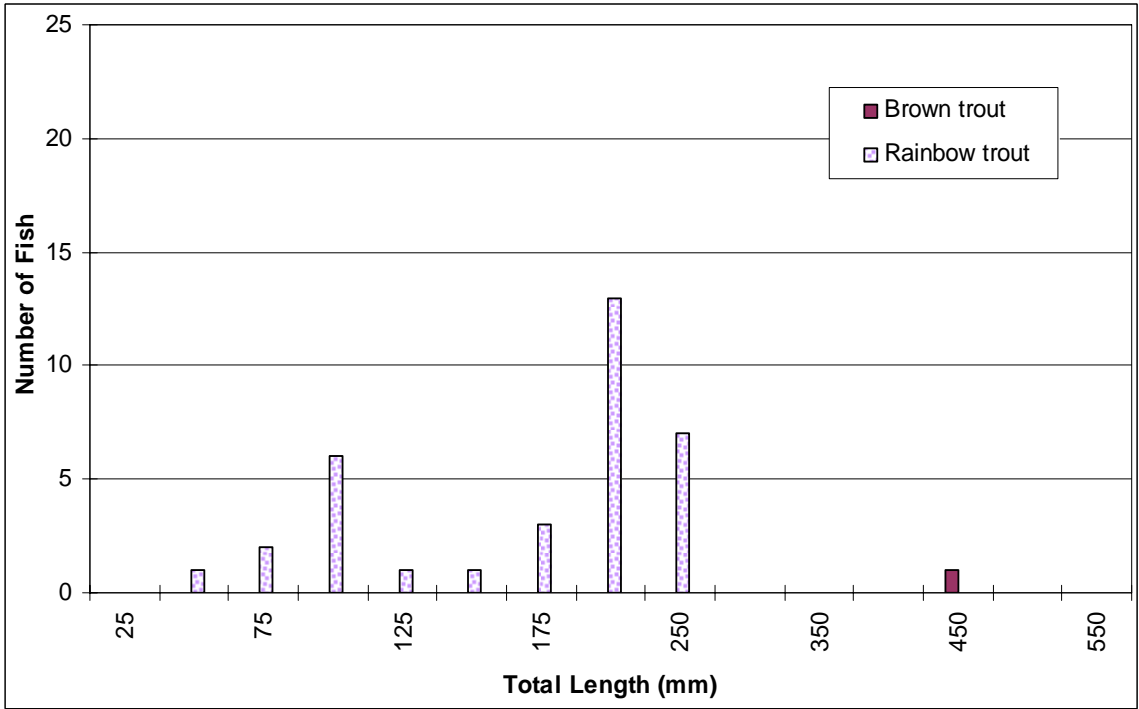


Figure E6.3.2.2-D34. Length frequency distribution of fish observed during snorkel surveys in the West Branch Feather River downstream of Big Kimshew Creek (WBFR 23.3), October 2006.

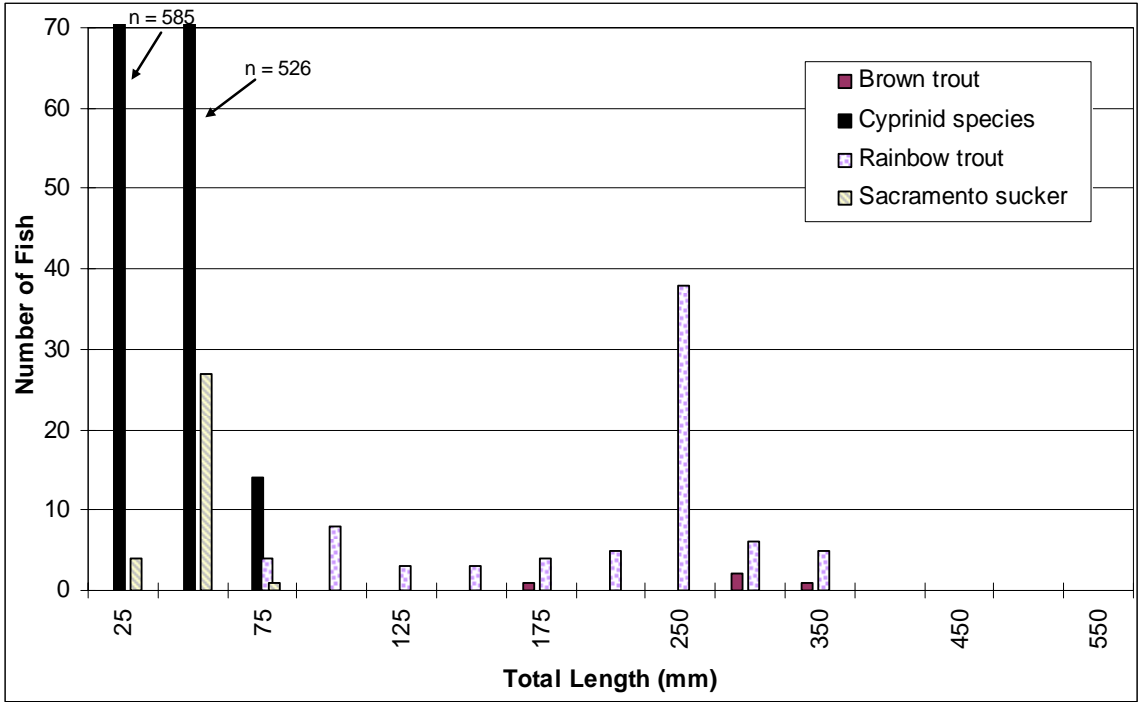


Figure E6.3.2.2-D35. Length frequency distribution of fish observed during snorkel surveys in the West Branch Feather River upstream of Jordan Hill Bridge (WBFR 16.0), September 2006.

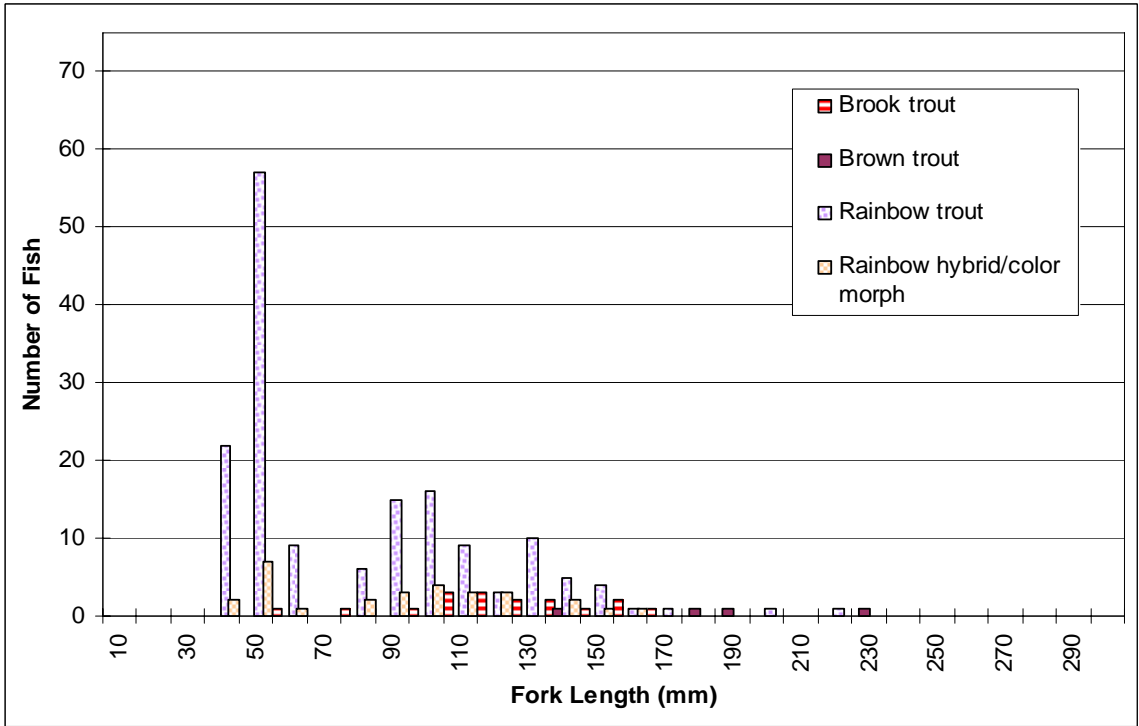


Figure E6.3.2.2-D36. Length frequency distribution of fish captured during electrofishing in Coon Hollow Creek upstream of the West Branch Feather River (Coon-F1), September 2006.

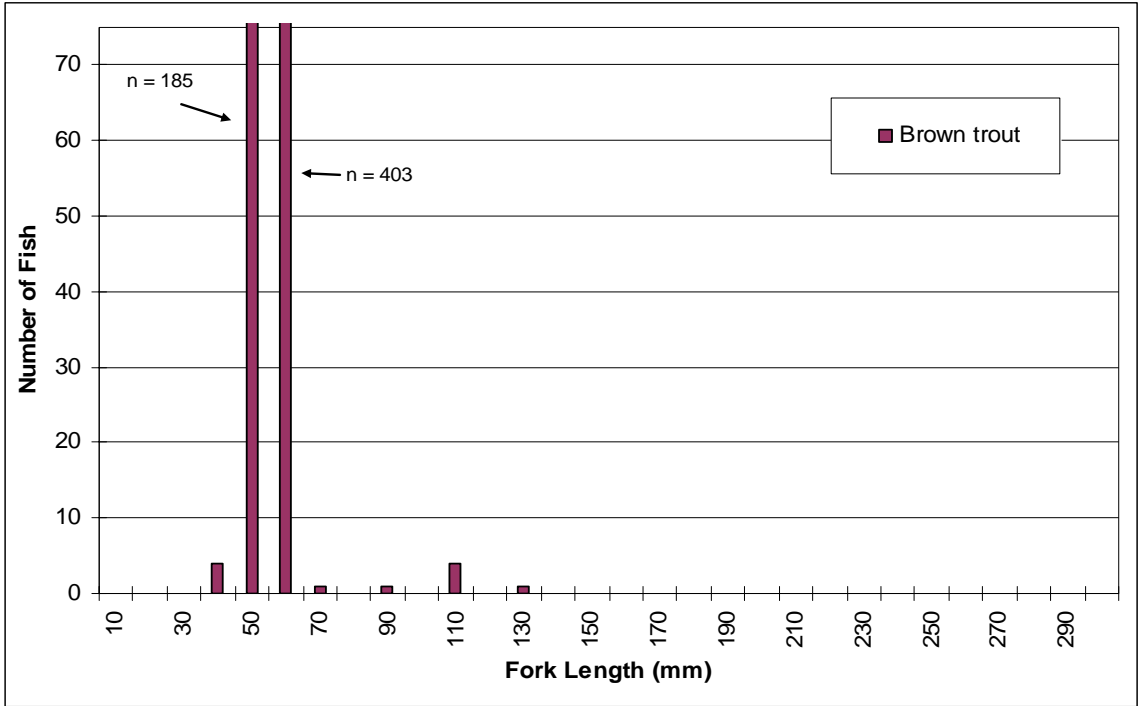


Figure E6.3.2.2-D37. Length frequency distribution of fish captured during electrofishing in Philbrook Creek upstream of Philbrook Reservoir (Philbrook-F1), September 2006.

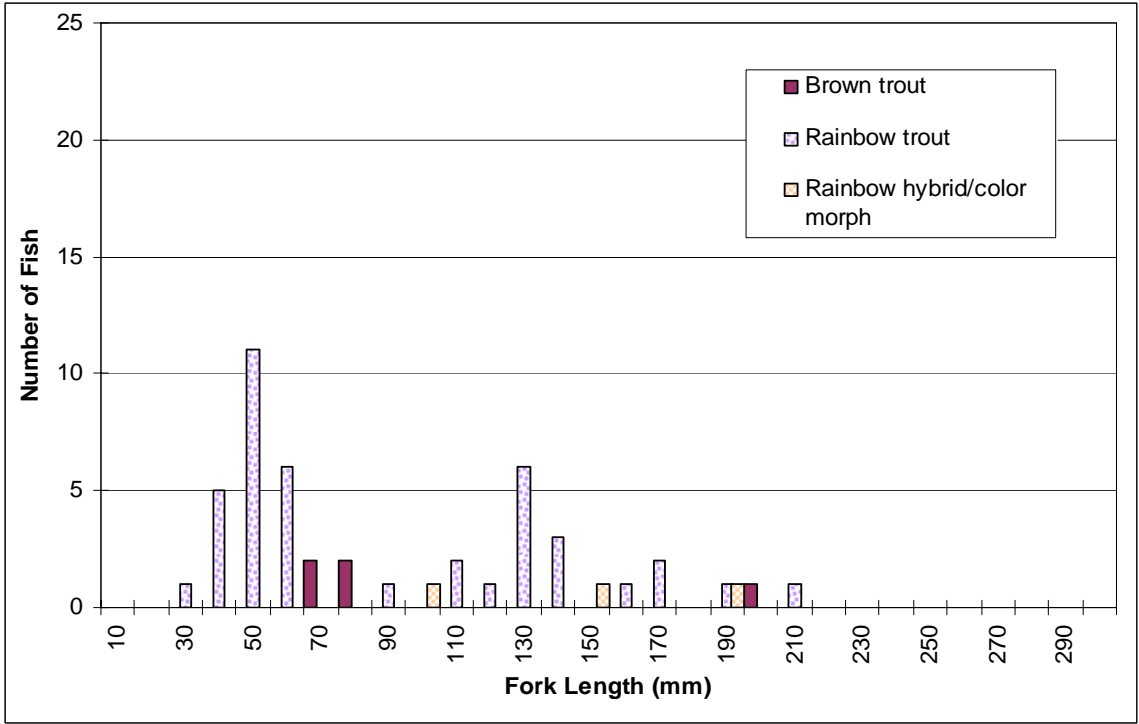


Figure E6.3.2.2-D38. Length frequency distribution of fish captured during electrofishing in Philbrook Creek downstream of Philbrook Reservoir (Philbrook-F2), September 2006.

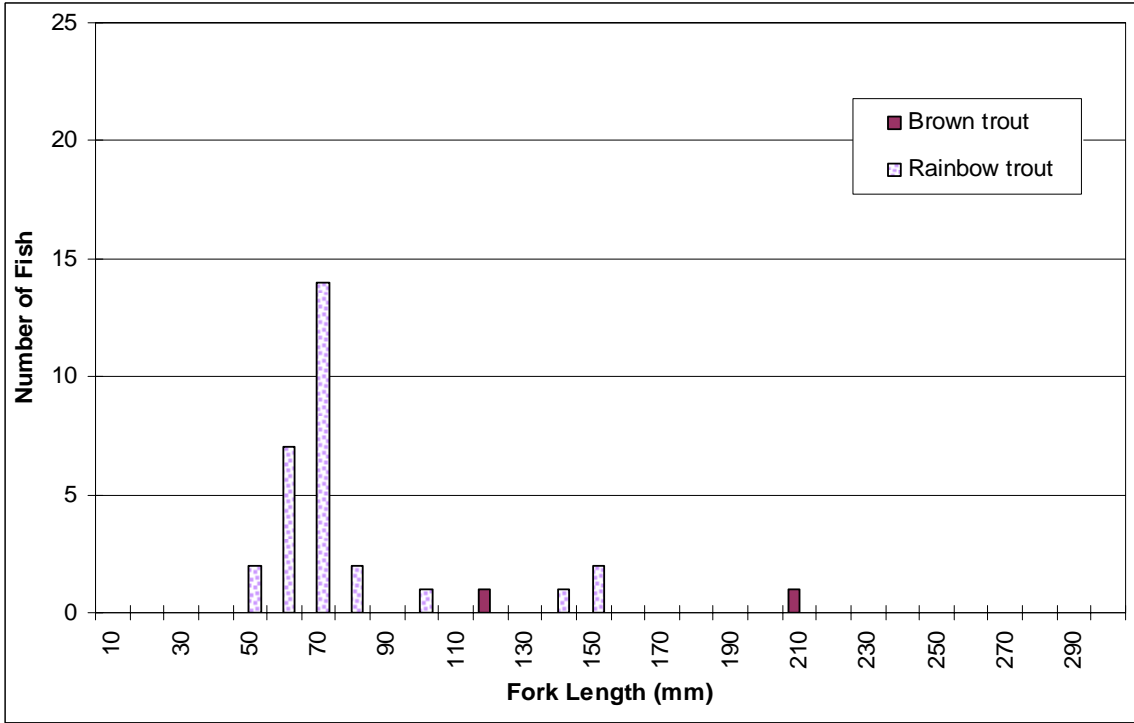


Figure E6.3.2.2-D39. Length frequency distribution of fish captured during electrofishing in Long Ravine upstream of the diversion (Long-F1), October 2006.

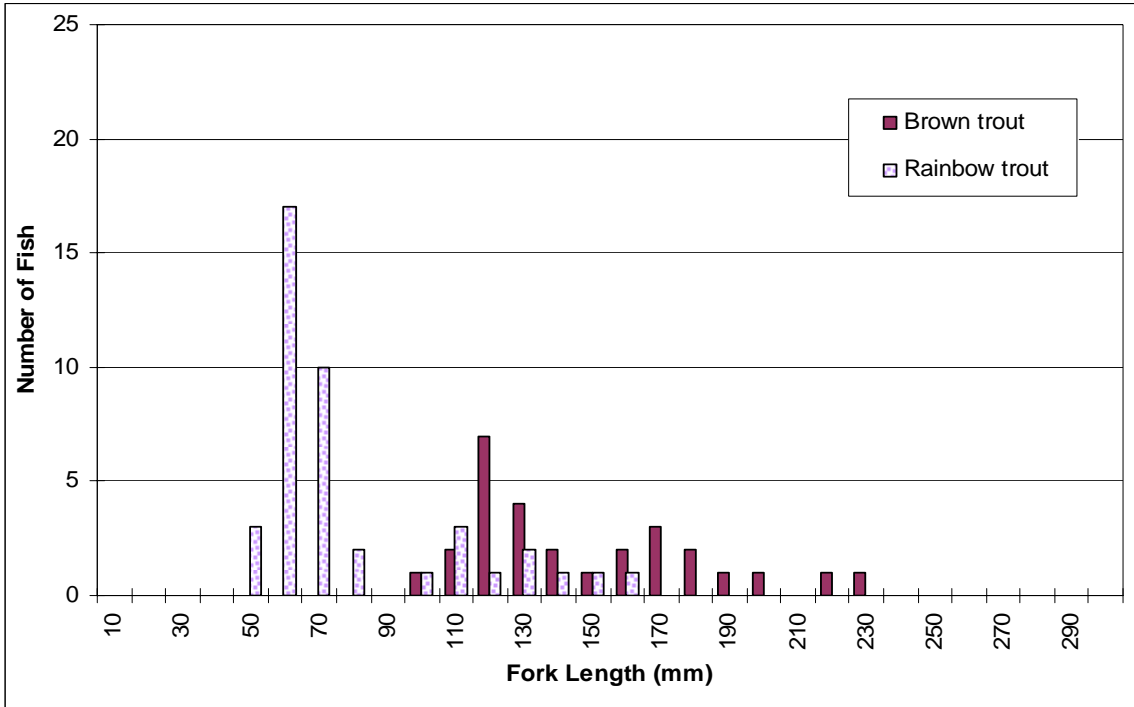


Figure E6.3.2.2-D40. Length frequency distribution of fish captured during electrofishing in Long Ravine downstream of the diversion (Long-F2), October 2006.

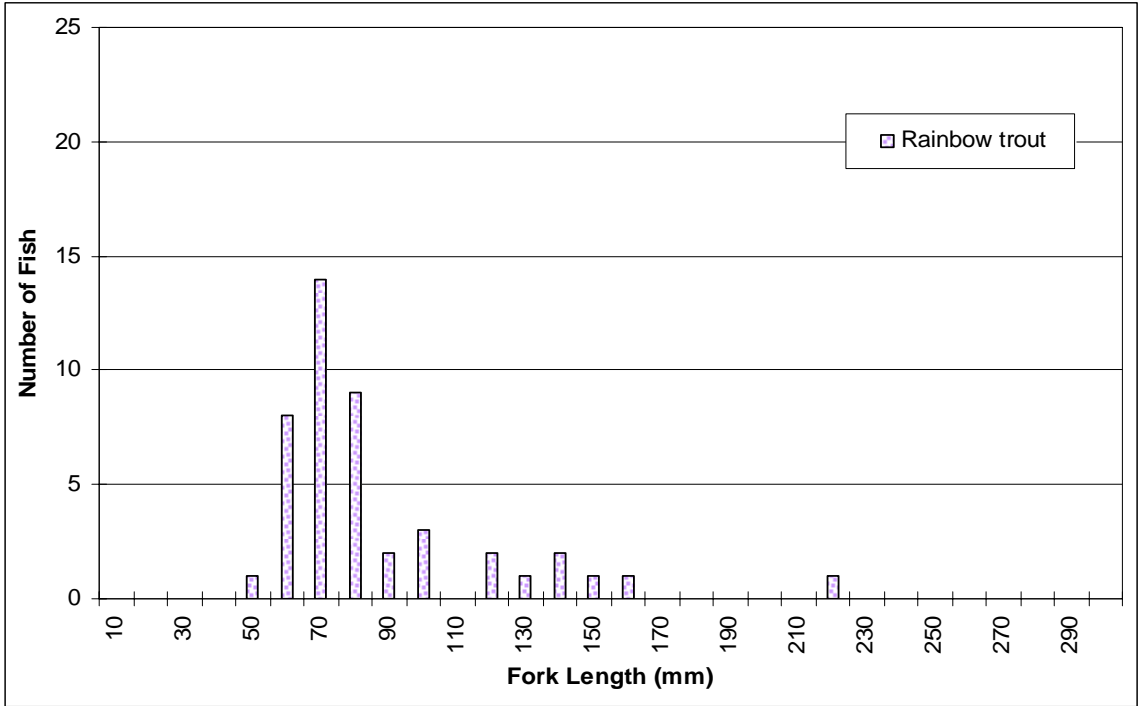


Figure E6.3.2.2-D41. Length frequency distribution of fish captured during electrofishing in Cunningham Ravine upstream of the diversion (Cunningham-F1), October 2006.

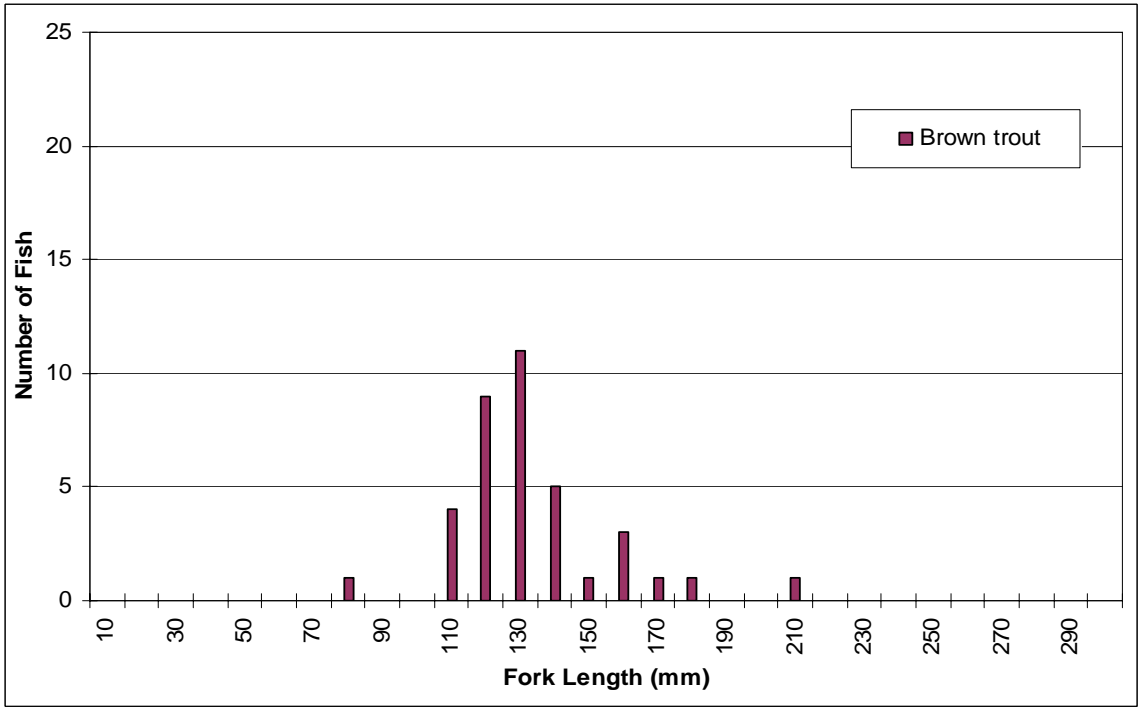


Figure E6.3.2.2-D42. Length frequency distribution of fish captured during electrofishing in Cunningham Ravine downstream of the diversion (Cunningham-F2), October 2006.

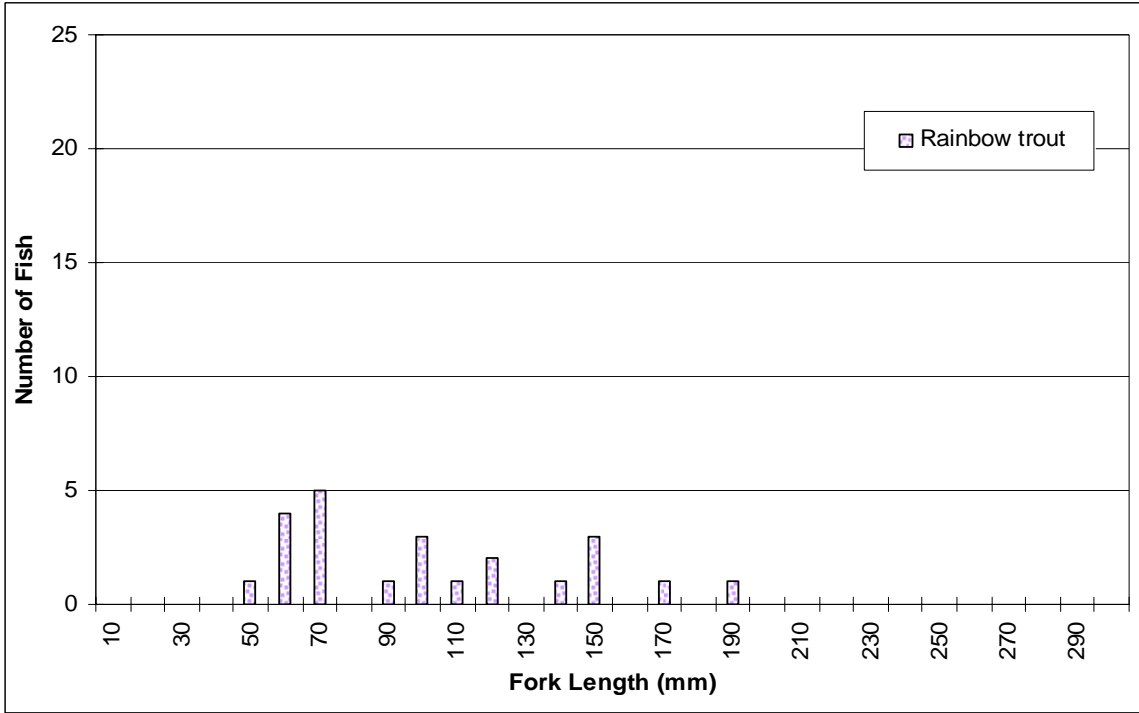


Figure E6.3.2.2-D43. Length frequency distribution of fish captured during electrofishing in the Little West Fork upstream of the diversion (Little West Fork-F1), October 2006.

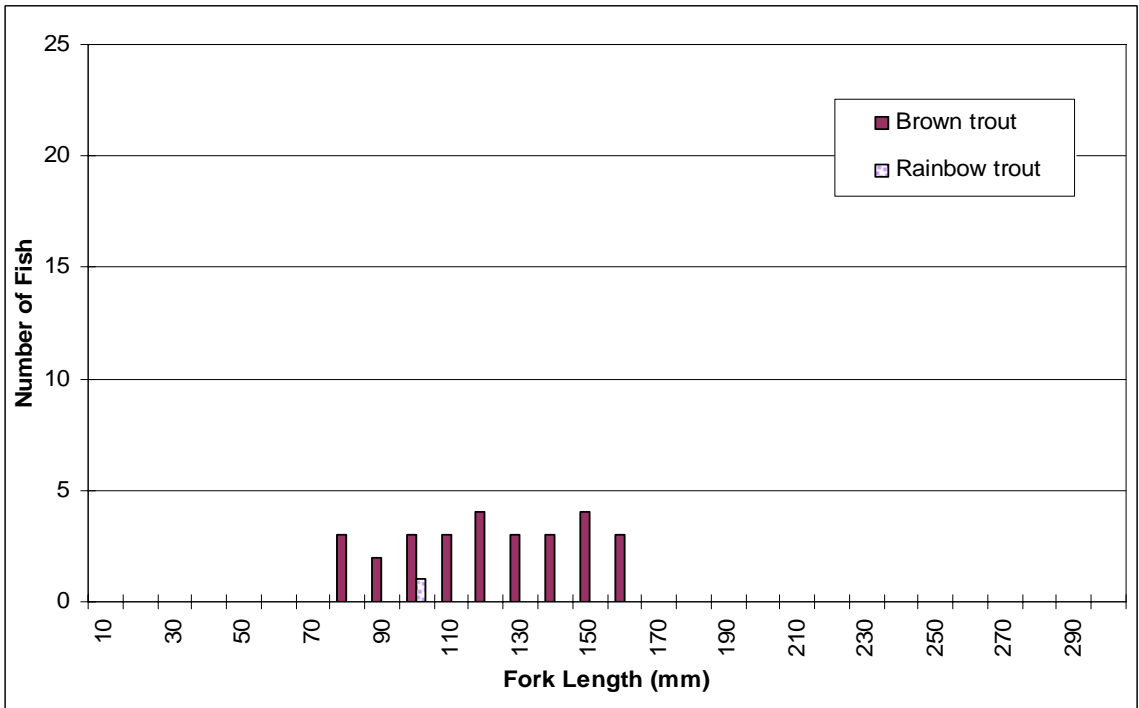


Figure E6.3.2.2-D44. Length frequency distribution of fish captured during electrofishing in the Little West Fork downstream of the diversion (Little West Fork-F2), October 2006.

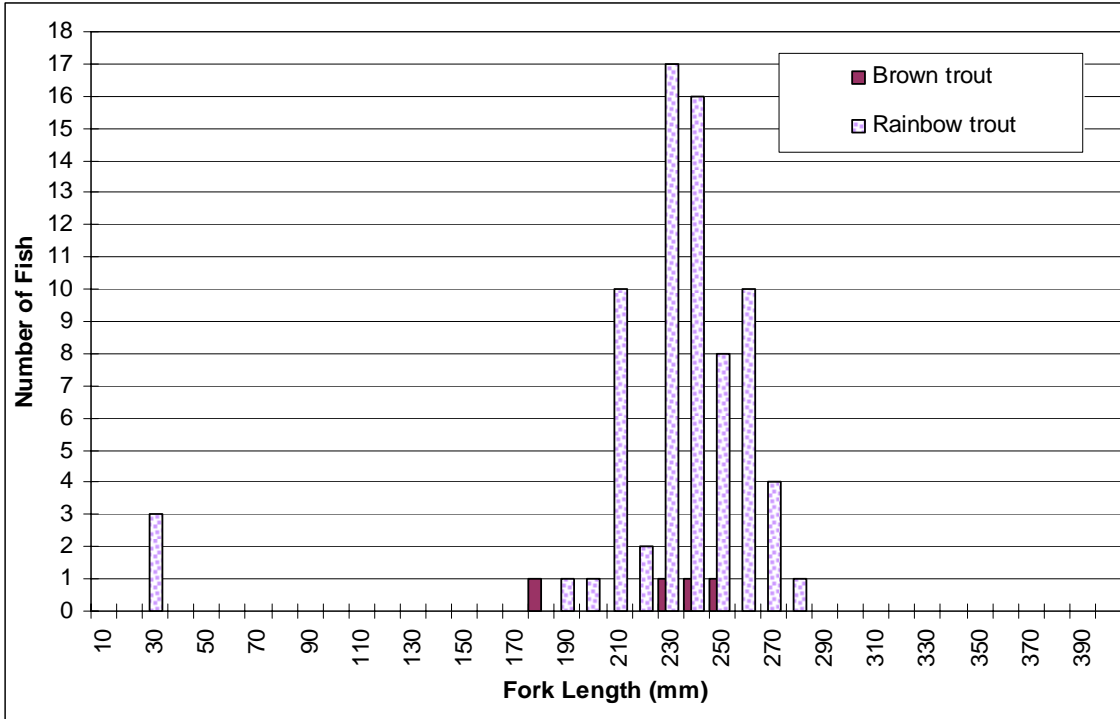


Figure E6.3.2.2-D45. Length frequency distribution of fish captured in Philbrook Reservoir, September 2006.

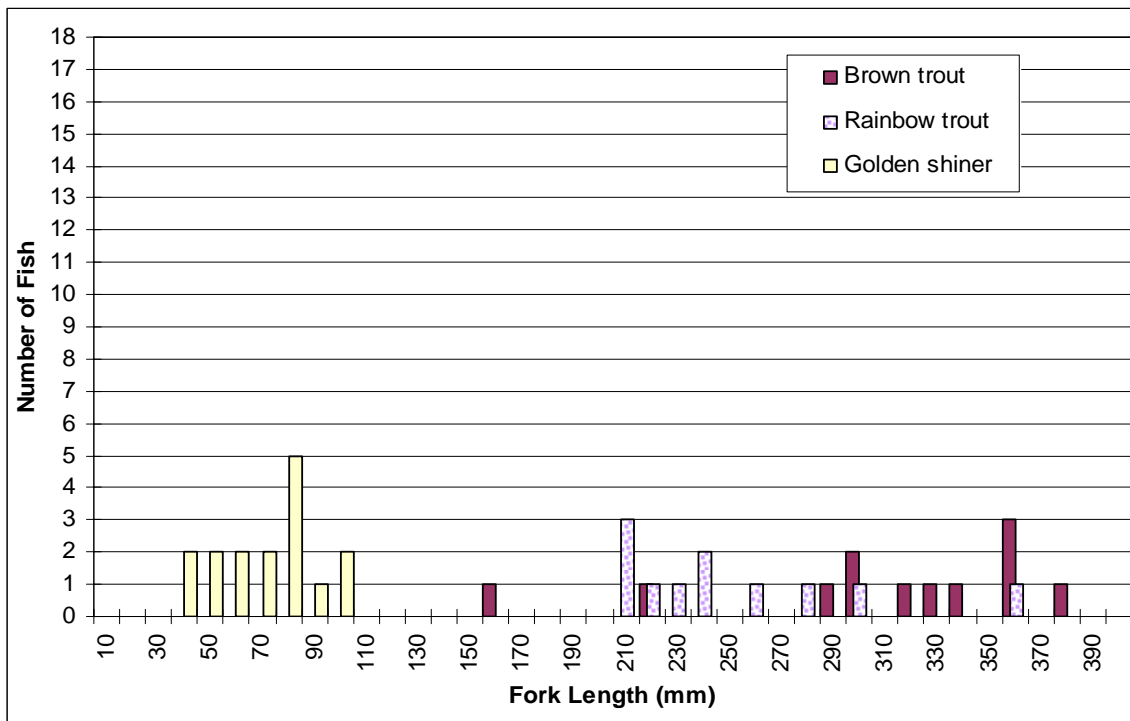


Figure E6.3.2.2-D46. Length frequency distribution of fish captured in DeSabra Forebay, September 2006.

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**Fish and Aquatic Resources
Appendices
On
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APPENDIX E6.3.2.2-E

**Trout Abundance Estimates for the DeSabra-Centerville Project
Area, 2006.**

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Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
BUTTE CREEK																						
Butte 72.2	Upstream of Butte Diversion Dam	Snorkel	1	234.0	55.2	All trout	4	4	4	5.6	-	-	0.0	-	-	5.6	-	-	5.6			
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	2	2	2	2.8	-	-	0.0	-	-	2.8	-	-	2.8			
						Rainbow	2	2	2	2.8	-	-	0.0	-	-	2.8	-	-	2.8			
			2	48.0	48.0	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			3	108.0	45.0	All trout	3	3	3	9.1	-	-	0.0	-	-	9.1	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	3	3	3	9.1	-	-	0.0	-	-	9.1	-	-	0.0			
			4	57.0	52.7	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			5	90.0	55.0	All trout	2	2	2	7.3	-	-	0.0	-	-	7.3	-	-	0.0	-	-	7.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	2	2	2	7.3	-	-	0.0	-	-	7.3	-	-	0.0			
			6	78.0	46.5	All trout	3	3	3	12.6	-	-	0.0	-	-	12.6	-	-	0.0	-	-	12.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	3	3	3	12.6	-	-	0.0	-	-	12.6	-	-	0.0			
			7	96.0	41.3	All trout	1	1	1	3.4	-	-	0.0	-	-	3.4	-	-	0.0	-	-	3.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	1	1	1	3.4	-	-	0.0	-	-	3.4	-	-	0.0			
Site	711.0	49.1	All trout	13	13	13	6.0	-	-	0.0	-	-	6.0	-	-	0.0	-	-	4.6			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0						
			Brown	2	2	2	0.9	-	-	0.0	-	-	0.9	-	-	0.0						
			Rainbow	11	11	11	5.1	-	-	0.0	-	-	5.1	-	-	0.0						

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
Butte 71.8	Downstream of Butte Diversion Dam.	Snorkel	1	72.0	25.0	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			2	78.0	14.0	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			3	78.0	28.3	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			4	102.0	33.5	All trout	1	0	1	3.2	-	-	3.2	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	1	0	1	3.2	-	-	3.2	-	-	0.0	-	-	0.0			
			5	280	29.2	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
Site	610.0	26.0	All trout	1	0	1	0.5	-	-	0.5	-	-	0.0	-	-	0.0	-	-	0.0			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0						
			Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0						
			Rainbow	1	0	1	0.5	-	-	0.5	-	-	0.0	-	-	0.0						

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout	
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)	
Butte 65.3	Doc Mill Bridge	E-fish	Upper	136.0	38.1	All trout	37, 7, 3	14, 2, 0	47	115.0	110.3	119.7	77.0	70.9	83.2	38.7	37.9	39.4	29.0	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	N/A
						Brown	1, 0, 0	1, 0, 0	1	2.4 ^a	2.4 ^b	2.4 ^b	N/A	N/A	N/A	2.4 ^b	2.4 ^b	2.4 ^b	2.4 ^b	2.4
						Rainbow	36, 7, 3	13, 2, 0	46	112.7	107.8	117.5	77.0	70.9	83.2	36.3	35.4	37.1	26.6	
			Lower	157.0	36.1	All trout	33, 13, 3	11, 4, 2	49	106.4	98.4	114.5	68.7	63.6	73.8	38.1	30.6	45.6	31.4	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	
						Rainbow	33, 13, 3	11, 4, 2	49	106.4	98.4	114.5	68.7	63.6	73.8	38.1	30.6	45.6	31.4	
			Site	293.0	37.1	All trout	70, 20, 6	25, 6, 2	96	110.2	105.7	114.6	72.6	68.6	76.5	37.6	35.5	39.8	29.6	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	
						Brown	1, 0, 0	1, 0, 0	1	1.1 ^b	1.1 ^b	1.1 ^b	N/A	N/A	N/A	1.1 ^b	1.1 ^b	1.1 ^b	1.1	
						Rainbow	69, 20, 6	24, 6, 2	95	109.1	104.6	113.6	72.6	68.6	76.5	36.6	34.3	38.8	28.6	
Butte 61.9	Upstream of Centerville Dam	Snorkel	1	56.0	54.8	All trout	19	18	19	111.3	-	-	5.9	-	-	105.5	-	-	70.3	
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Rainbow	19	18	19	111.3	-	-	5.9	-	-	105.5	-	-	70.3	
			2	97.0	48.8	All trout	19	18	19	64.3	-	-	3.4	-	-	60.9	-	-	44.0	
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Rainbow	19	18	19	64.3	-	-	3.4	-	-	60.9	-	-	44.0	
			3	61.0	65.0	All trout	19	13	19	102.2	-	-	32.3	-	-	69.9	-	-	69.9	
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Rainbow	19	13	19	102.2	-	-	32.3	-	-	69.9	-	-	69.9	
			Site	214.0	56.2	All trout	57	49	57	87.4	-	-	12.3	-	-	75.1	-	-	58.3	
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	
						Rainbow	57	49	57	87.4	-	-	12.3	-	-	75.1	-	-	58.3	

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 61.7	Downstream of Centerville Dam	Snorkel	1	97.5	47.9	All trout	44	23	44	148.1	-	-	70.7	-	-	77.4	-	-	53.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	44	23	44	148.1	-	-	70.7	-	-	77.4	-	-	53.8
			2	58.0	44.0	All trout	22	6	22	124.4	-	-	90.5	-	-	33.9	-	-	22.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	22	6	22	124.4	-	-	90.5	-	-	33.9	-	-	22.6
			3	80.0	35.4	All trout	34	21	34	139.4	-	-	53.3	-	-	86.1	-	-	65.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	34	21	34	139.4	-	-	53.3	-	-	86.1	-	-	65.6
			4	25.8	12.7	All trout	27	0	27	343.3	-	-	343.3	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	27	0	27	343.3	-	-	343.3	-	-	0.0	-	-	0.0
			5	46.7	43.3	All trout	62	33	62	435.6	-	-	203.7	-	-	231.8	-	-	175.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	62	33	62	435.6	-	-	203.7	-	-	231.8	-	-	175.6
			6	66.0	52.3	All trout	33	28	33	164.0	-	-	24.9	-	-	139.2	-	-	114.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	33	28	33	164.0	-	-	24.9	-	-	139.2	-	-	114.3
			7	42.0	15.8	All trout	16	0	16	125.0	-	-	125.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	16	0	16	125.0	-	-	125.0	-	-	0.0	-	-	0.0
Site	416.0	35.9	All trout	238	111	238	187.7	-	-	100.2	-	-	87.5	-	-	66.2			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Rainbow	238	111	238	187.7	-	-	100.2	-	-	87.5	-	-	66.2			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 60.8	Quartz Bowl	Snorkel	1	99.3	58.1	All trout	31	19	31	102.4	-	-	39.6	-	-	62.8	-	-	19.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	31	19	31	102.4	-	-	39.6	-	-	62.8	-	-	19.8
			2	86.0	71.8	All trout	25	15	25	95.4	-	-	38.1	-	-	57.2	-	-	3.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	25	15	25	95.4	-	-	38.1	-	-	57.2	-	-	3.8
			3	232.0	40.4	All trout	72	38	72	101.8	-	-	48.1	-	-	53.7	-	-	28.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	72	38	72	101.8	-	-	48.1	-	-	53.7	-	-	28.3
			4	94.0	38.9	All trout	36	25	36	125.6	-	-	38.4	-	-	87.3	-	-	48.9
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	36	25	36	125.6	-	-	38.4	-	-	87.3	-	-	48.9
			5	105.0	80.6	All trout	52	16	52	162.5	-	-	112.5	-	-	50.0	-	-	28.1
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	52	16	52	162.5	-	-	112.5	-	-	50.0	-	-	28.1
			6	332.0	44.1	All trout	47	12	47	46.4	-	-	34.6	-	-	11.9	-	-	9.9
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	47	12	47	46.4	-	-	34.6	-	-	11.9	-	-	9.9
			Site	948.3	55.7	All trout	263	125	263	91.0	-	-	47.7	-	-	43.2	-	-	20.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	263	125	263	91.0	-	-	47.7	-	-	43.2	-	-	20.8

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 59.0	Whiskey Flat	Snorkel	1	200.7	42.0	All trout	8	5	8	13.1	-	-	4.9	-	-	8.2	-	-	8.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	8	5	8	13.1	-	-	4.9	-	-	8.2	-	-	8.2
			2	107.0	42.9	All trout	43	17	43	131.8	-	-	79.7	-	-	52.1	-	-	15.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	43	17	43	131.8	-	-	79.7	-	-	52.1	-	-	15.3
			3	95.5	20.9	All trout	1	0	1	3.4	-	-	3.4	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	1	0	1	3.4	-	-	3.4	-	-	0.0	-	-	0.0
			4	69.0	41.5	All trout	26	5	26	123.6	-	-	99.9	-	-	23.8	-	-	19.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	26	5	26	123.6	-	-	99.9	-	-	23.8	-	-	19.0
			5	180.0	38.2	All trout	35	18	35	63.8	-	-	31.0	-	-	32.8	-	-	16.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	35	18	35	63.8	-	-	31.0	-	-	32.8	-	-	16.4
			6	42.0	60.1	All trout	11	3	11	85.9	-	-	62.5	-	-	23.4	-	-	7.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	11	3	11	85.9	-	-	62.5	-	-	23.4	-	-	7.8
			7	76.0	47.4	All trout	18	3	18	77.7	-	-	64.8	-	-	13.0	-	-	4.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	18	3	18	77.7	-	-	64.8	-	-	13.0	-	-	4.3
			Site	770.2	41.9	All trout	142	51	142	60.5	-	-	38.8	-	-	21.7	-	-	10.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	142	51	142	60.5	-	-	38.8	-	-	21.7	-	-	10.6

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 56.5	Helltown	Snorkel	1	136.0	38.9	All trout	4	1	4	9.6	-	-	7.2	-	-	2.4	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	4	1	4	9.6	-	-	7.2	-	-	2.4	-	-	0.0
			2	69.1	37.4	All trout	9	4	9	42.7	-	-	23.7	-	-	19.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	9	4	9	42.7	-	-	23.7	-	-	19.0	-	-	0.0
			3	298.0	25.0	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
			4	314.0	44.9	All trout	19	11	19	19.9	-	-	8.4	-	-	11.5	-	-	5.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	19	11	19	19.9	-	-	8.4	-	-	11.5	-	-	5.2
			5	117.0	32.6	All trout	18	3	18	50.5	-	-	42.1	-	-	8.4	-	-	2.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	18	3	18	50.5	-	-	42.1	-	-	8.4	-	-	2.8
			6	238.0	52.6	All trout	6	6	6	8.3	-	-	0.0	-	-	8.3	-	-	8.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	6	6	6	8.3	-	-	0.0	-	-	8.3	-	-	8.3
			7	212.0	42.6	All trout	9	6	9	13.9	-	-	4.6	-	-	9.3	-	-	3.1
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	9	6	9	13.9	-	-	4.6	-	-	9.3	-	-	3.1
			8	52.0	26.7	All trout	9	7	9	56.8	-	-	12.6	-	-	44.2	-	-	6.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	9	7	9	56.8	-	-	12.6	-	-	44.2	-	-	6.3
			Site	1,436.1	37.6	All trout	74	38	74	16.9	-	-	8.2	-	-	8.7	-	-	3.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	74	38	74	16.9	-	-	8.2	-	-	8.7	-	-	3.4

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 54.6	Humbug Bridge	Snorkel	1	299.0	32.4	All trout	51	51	51	56.0	-	-	0.0	-	-	56.0	-	-	45.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	51	51	51	56.0	-	-	0.0	-	-	56.0	-	-	45.0
			2	191.0	76.7	All trout	17	14	17	29.2	-	-	5.2	-	-	24.0	-	-	1.7
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	17	14	17	29.2	-	-	5.2	-	-	24.0	-	-	1.7
			3	124.0	56.7	All trout	4	2	4	10.6	-	-	5.3	-	-	5.3	-	-	5.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	4	2	4	10.6	-	-	5.3	-	-	5.3	-	-	5.3
			4	152.0	55.6	All trout	15	11	15	32.4	-	-	8.6	-	-	23.7	-	-	2.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	15	11	15	32.4	-	-	8.6	-	-	23.7	-	-	2.2
			5	175.0	52.0	All trout	17	14	17	31.9	-	-	5.6	-	-	26.2	-	-	7.5
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	17	14	17	31.9	-	-	5.6	-	-	26.2	-	-	7.5
Site	941.0	54.7	All trout	104	92	104	36.3	-	-	4.2	-	-	32.1	-	-	17.1			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Rainbow	104	92	104	36.3	-	-	4.2	-	-	32.1	-	-	17.1			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 53.4	Quail Run	Snorkel	1	210.0	55.9	All trout	4	4	4	6.2	-	-	0.0	-	-	6.2	-	-	6.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	4	4	4	6.2	-	-	0.0	-	-	6.2	-	-	6.2
			2	67.0	45.9	All trout	6	5	6	29.4	-	-	4.9	-	-	24.5	-	-	19.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	6	5	6	29.4	-	-	4.9	-	-	24.5	-	-	19.6
			3	284.0	36.1	All trout	11	11	11	12.7	-	-	0.0	-	-	12.7	-	-	11.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	11	11	11	12.7	-	-	0.0	-	-	12.7	-	-	11.6
			4	174.0	94.0	All trout	16	8	16	30.2	-	-	15.1	-	-	15.1	-	-	9.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	16	8	16	30.2	-	-	15.1	-	-	15.1	-	-	9.4
			5	389.0	85.4	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
			6	64.0	50.5	All trout	21	21	21	107.7	-	-	0.0	-	-	107.7	-	-	107.7
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	21	21	21	107.7	-	-	0.0	-	-	107.7	-	-	107.7
Site	1,188.0	61.3	All trout	58	49	58	16.0	-	-	2.5	-	-	13.5	-	-	12.2			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Rainbow	58	49	58	16.0	-	-	2.5	-	-	13.5	-	-	12.2			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
Butte 50.5	Honey Run	Snorkel	1	316.0	34.7	All trout	17	16	17	17.7	-	-	1.0	-	-	16.6	-	-	13.5
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	17	16	17	17.7	-	-	1.0	-	-	16.6	-	-	13.5
			2	200.0	51.4	All trout	9	9	9	14.8	-	-	0.0	-	-	14.8	-	-	14.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	9	9	9	14.8	-	-	0.0	-	-	14.8	-	-	14.8
			3	76.0	93.8	All trout	1	0	1	4.3	-	-	4.3	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	1	0	1	4.3	-	-	4.3	-	-	0.0	-	-	0.0
			4	114.0	66.5	All trout	4	2	4	11.5	-	-	5.8	-	-	5.8	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	4	2	4	11.5	-	-	5.8	-	-	5.8	-	-	0.0
			5	114.0	91.8	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
			6	373.0	90.7	All trout	2	2	2	1.8	-	-	0.0	-	-	1.8	-	-	1.8
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	2	2	2	1.8	-	-	0.0	-	-	1.8	-	-	1.8
			Site	1,193.0	71.5	All trout	33	29	33	29.0	-	-	1.1	-	-	8.0	-	-	6.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	33	29	33	29.0	-	-	1.1	-	-	8.0	-	-	6.6

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
BUTTE CREEK TRIBUTARIES																						
Inskip-F1	Upstream of diversion	E-fish	Site	167.0	8.7	All trout	9, 4, 1	2, 1, 1	14	29.0	23.9	34.1	20.0	18.0	22.0	11.5	-9.3	32.3	5.7			
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Rainbow	9, 4, 1	2, 1, 1	14	29.0	23.9	34.1	20.0	18.0	22.0	11.5	-9.3	32.3	5.7			
Inskip-F2	Downstream of diversion	E-fish	Site	225.0	8.4	All trout	31, 7, 4	6, 1, 0	42	63.1	58.7	67.5	53.2	48.2	58.3	10.2	9.9	10.6	2.9			
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Rainbow	31, 7, 4	6, 1, 0	42	63.1	58.7	67.5	53.2	48.2	58.3	10.2	9.9	10.6	2.9			
Kelsey-F1	Upstream of diversion	E-fish	Site	150.0	6.3	All trout	17, 2, 2, 1	3, 0, 1, 0	22	48.6	46.4	50.7	39.7	37.9	41.5	8.9	7.5	10.3	4.5			
						Brook	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	17, 2, 2, 1	3, 0, 1, 0	22	48.6	46.4	50.7	39.7	37.9	41.5	8.9	7.5	10.3	4.5			
Kelsey-F2	Downstream of diversion	E-fish	Site	200.0	5.9	All trout	11, 3, 4, 2	9, 3, 2, 1	20	36.6	27.5	45.7	9.8 ^b	-3.3 ^b	23.0 ^b	25.8	21.9	29.7	0.0			
						Brook	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Rainbow	11, 3, 4, 2	9, 3, 2, 1	20	36.6	27.5	45.7	9.8 ^b	-3.3 ^b	23.0 ^b	25.8	21.9	29.7	0.0			
Clear-F1	Upstream of diversion	E-fish	Site	290.0	8.1	All trout	33, 8, 2	21, 6, 1	43	49.4	47.2	51.5	17.2	16.0	18.4	32.2	30.4	34.0	11.5			
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	8, 4, 1	8, 4, 1	13	15.7	12.3	19.1	N/A	N/A	N/A	15.7	12.3	19.1	4.8			
						Rainbow	25, 4, 1	13, 2, 0	30	34.1	33.1	35.2	17.2	16.0	18.4	17.0	16.6	17.4	6.8			
Clear-F2	Downstream of diversion	E-fish	Site	120.0	16.9	All trout	6, 1, 2, 2	1, 0, 1, 0	11	37.0	15.5	58.4	30.2	10.9	49.6	6.7 ^b	-2.4 ^b	15.9 ^b	0.0			
						Brook	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
						Brown	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
						Rainbow	6, 1, 2, 2	1, 0, 1, 0	11	37.0	15.5	58.4	30.2	10.9	49.6	6.7 ^b	-2.4 ^b	15.9 ^b	0.0			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
WEST BRANCH FEATHER RIVER																						
WBFR 43.6	Downstream of Round Valley Reservoir	E-fish	Upper	32.0	4.9	All trout	1, 0, 0	1, 0, 0	1	10.3 ^b	10.3 ^b	10.3 ^b	N/A	N/A	N/A	10.3 ^b	10.3 ^b	10.3 ^b	0.0			
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Rainbow	1, 0, 0	1, 0, 0	1	10.3 ^b	10.3 ^b	10.3 ^b	N/A	N/A	N/A	10.3 ^b	10.3 ^b	10.3 ^b	0.0			
			Lower	86.0	5.1	All trout	4, 0, 2, 0	1, 0, 1, 0	6	24.0	18.2	29.7	15.5	13.1	18.0	9.4	-3.4	22.1	7.6			
						Brook	1, 0, 1, 0	1, 0, 1, 0	2	9.4	-3.4	22.1	N/A	N/A	N/A	9.4	-3.4	22.1	7.6			
						Brown	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	3, 0, 1, 0	0, 0, 0, 0	4	15.5	13.1	18.0	15.5	13.1	18.0	N/A	N/A	N/A	N/A			
			Site	118.0	5.0	All trout	**	**	7	20.3	**	**	11.5	**	**	9.6	**	**	5.6			
						Brook	**	**	2	6.8	**	**	N/A	**	**	6.9	**	**	5.6			
						Brown	**	**	0	N/A	**	**	N/A	**	**	N/A	**	**	N/A			
						Rainbow	**	**	5	14.1	**	**	11.5	**	**	2.7	**	**	0.0			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout		
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)		
WBFR 41.1	Downstream of Coon Hollow Creek	E-fish	Upper	177.0	38.2	All trout	35, 12, 5	19, 5, 2	52	101.4	92.4	110.3	52.5	42.8	62.2	49.5	45.4	53.6	30.5		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Brown	14, 13, 1	12, 3, 0	18	33.9	31.6	36.1	7.0	-2.0	16.0	28.0	26.8	29.1	28.0		
						Rainbow	21, 9, 4	7, 2, 2	34	68.6	57.6	79.7	45.9	37.9	53.9	22.8	14.7	30.9	2.1		
			Lower	123.0	31.6	All trout	12, 6, 2	4, 3, 1	20	58.1	45.9	70.3	33.6	27.6	39.5	25.6	9.6	41.6	12.8		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	4, 1, 2	3, 0, 1	7	18.7 ^b	10.7 ^b	26.7 ^b	8.0 ^b	-5.3 ^b	21.3 ^b	11.6	6.2	17.1	11.6		
						Rainbow	8, 5, 0	1, 3, 0	13	36.0	30.8	41.2	24.2	22.6	25.8	15.6	-12.6	43.8	0.0		
			Site	300.0	34.9	All trout	47, 18, 7	23, 8, 3	72	83.5	76.5	90.4	44.6	38.7	50.6	38.9	34.9	42.9	22.9		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	18, 4, 3	15, 3, 1	25	28.5	25.3	31.7	12.3	-20.7	45.3	21.0	19.8	22.3	21.1		
						Rainbow	29, 14, 4	8, 5, 2	47	55.1	48.6	61.5	36.6	32.8	40.3	19.2	11.5	26.9	1.3		
WBFR 35	Road 25N06	E-fish	Upper	100.0	20.3	All trout	13, 3, 1	5, 1, 0	17	56.7	52.4	61.1	37.3	32.0	42.5	19.8	18.8	20.7	6.6		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	1, 0, 0	1, 0, 0	1	3.3 ^b	3.3 ^b	3.3 ^b	N/A	N/A	N/A	3.3 ^b	3.3 ^b	3.3 ^b	3.3		
						Rainbow	12, 3, 1	4, 1, 0	16	53.6	48.9	58.3	37.3	32.0	42.5	16.5	15.3	17.7	3.3		
			Lower	210.0	44.2	All trout	26, 18, 9	9, 7, 3	53	106.4	71.8	140.9	68.0	40.7	95.3	38.5	16.9	60.0	8.1		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	4, 0, 0	2, 0, 0	4	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.2		
						Rainbow	22, 18, 9	7, 7, 3	49	108.2	57.5	159.0	68.6	32.4	104.7	40.2	1.4	78.9	7.1		
			Site	310.0	32.2	All trout	39, 21, 10	14, 8, 0	70	85.6	70.9	100.4	42.9	39.3	46.4	24.0	21.6	26.4	7.2		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	5, 0, 0	3, 0, 0	5	5.3	N/A	N/A	2.1	N/A	N/A	3.2	N/A	N/A	2.1		
						Rainbow	34, 21, 10	11, 8, 3	65	83.2	64.3	102.0	54.8	39.8	69.9	28.3	17.0	39.6	5.2		

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
WBFR 30.2	Upstream of Hendricks Diversion Dam (Road 25N17)	Snorkel	1	66.0	40.8	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			2	120.0	50.7	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			3	192.0	42.1	All trout	2	2	2	3.4	-	-	0.0	-	-	3.4	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	2	2	2	3.4	-	-	0.0	-	-	3.4	-	-	0.0			
			4	96.0	43.1	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			5	192.0	48.6	All trout	1	1	1	1.7	-	-	0.0	-	-	1.7	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	1	1	1	1.7	-	-	0.0	-	-	1.7	-	-	0.0			
			6	192.0	34.4	All trout	1	1	1	1.7	-	-	0.0	-	-	1.7	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	1	1	1	1.7	-	-	0.0	-	-	1.7	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			Site	858.0	43.3	All trout	4	4	4	1.5	-	-	0.0	-	-	1.5	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	1	1	1	0.4	-	-	0.0	-	-	0.4	-	-	0.0			
						Rainbow	3	3	3	1.1	-	-	0.0	-	-	1.1	-	-	0.0			

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout		
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)		
WBFR 28.5	Hendricks Canal Road "A"	E-fish	Upper	185.0	42.1	All trout	30, 28, 15, 6	11, 13, 4, 1	79	167.1	135.7	198.5	113.0	77.3	148.7	56.8	45.9	67.6	27.4		
						Brook	0, 0, 0, 0	0, 0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Brown	2, 0, 1, 0	2, 0, 1, 0	3	5.6	3.7	7.5	N/A	N/A	N/A	5.6	3.7	7.5	5.6		
						Rainbow	28, 28, 14, 6	9, 13, 3, 1	76	162.2	129.8	194.5	113.0	77.3	148.7	51.3	40.3	62.4	21.7		
			Lower	115.0	30.1	All trout	16, 9, 4	11, 5, 1	29	95.6	70.0	121.3	45.7 ^b	2.8 ^b	88.5 ^b	50.8	43.4	58.2	14.9		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
						Rainbow	16, 9, 4	11, 5, 1	29	95.6	70.0	121.3	45.7 ^b	2.8 ^b	88.5 ^b	50.8	43.4	58.2	14.9		
			Site	300.0	36.5	All trout	**	**	108	139.7	**	**	87.2	**	**	74.5	**	**	23.6		
						Brook	**	**	0	N/A	**	**	N/A	**	**	N/A	**	**	N/A		
						Brown	**	**	3	3.9	**	**	N/A	**	**	3.9	**	**	3.9		
						Rainbow	**	**	105	141.7	**	**	87.2	**	**	51.1	**	**	19.6		

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout			
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)			
WBFR 23.3	Big Kimsheew	Snorkel	1	108.0	49.8	All trout	13	5	13	39.5	-	-	24.3	-	-	15.2	-	-	12.2			
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	13	5	13	39.5	-	-	24.3	-	-	15.2	-	-	12.2			
			2	306.0	54.9	All trout	12	12	12	12.9	-	-	0.0	-	-	12.9	-	-	12.9	-	-	12.9
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	12	12	12	12.9	-	-	0.0	-	-	12.9	-	-	12.9			
			3	204.0	57.0	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			4	78.0	40.0	All trout	3	3	3	12.6	-	-	0.0	-	-	12.6	-	-	8.4	-	-	8.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	3	3	3	12.6	-	-	0.0	-	-	12.6	-	-	8.4			
			5	276.0	43.7	All trout	3	3	3	3.6	-	-	0.0	-	-	3.6	-	-	2.4	-	-	2.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	3	3	3	3.6	-	-	0.0	-	-	3.6	-	-	2.4			
			6	228.0	74.4	All trout	1	1	1	1.4	-	-	0.0	-	-	1.4	-	-	1.4	-	-	1.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	1	1	1	1.4	-	-	0.0	-	-	1.4	-	-	1.4			
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
			7	90.0	55.7	All trout	3	2	3	10.9	-	-	3.6	-	-	7.3	-	-	7.3	-	-	7.3
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0			
						Rainbow	3	2	3	10.9	-	-	3.6	-	-	7.3	-	-	7.3			
Site	1,290.0	53.6	All trout	35	26	35	8.9	-	-	2.3	-	-	6.6	-	-	5.8	-	-	5.8			
			Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0						
			Brown	1	1	1	0.3	-	-	0.0	-	-	0.3	-	-	0.3						
			Rainbow	34	25	34	8.6	-	-	2.3	-	-	6.4	-	-	5.6						

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)
WBFR 16.0	Whiskey Flat	Snorkel	1	210.0	28.3	All trout	17	17	17	26.6	-	-	0.0	-	-	26.6	-	-	26.6
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	17	17	17	26.6	-	-	0.0	-	-	26.6	-	-	26.6
			2	83.0	56.6	All trout	18	18	18	71.2	-	-	0.0	-	-	71.2	-	-	71.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	2	2	2	7.9	-	-	0.0	-	-	7.9	-	-	7.9
						Rainbow	16	16	16	63.2	-	-	0.0	-	-	63.2	-	-	63.2
			3	175.0	52.5	All trout	14	10	14	26.2	-	-	7.5	-	-	18.7	-	-	18.7
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	1	1	1	1.9	-	-	0.0	-	-	1.9	-	-	1.9
						Rainbow	13	9	13	24.4	-	-	7.5	-	-	16.9	-	-	16.9
			4	188.0	65.8	All trout	18	12	18	31.4	-	-	10.5	-	-	20.9	-	-	14.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	18	12	18	31.4	-	-	10.5	-	-	20.9	-	-	14.0
			5	82.0	55.5	All trout	8	6	8	32.0	-	-	8.0	-	-	24.0	-	-	24.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	8	6	8	32.0	-	-	8.0	-	-	24.0	-	-	24.0
			6	135.0	52.3	All trout	3	3	3	7.3	-	-	0.0	-	-	7.3	-	-	2.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	1	1	1	2.4	-	-	0.0	-	-	2.4	-	-	2.4
						Rainbow	2	2	2	4.9	-	-	0.0	-	-	4.9	-	-	0.0
			7	139.0	51.2	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
			8	125.0	44.8	All trout	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
			9	121.0	44.2	All trout	2	2	2	5.4	-	-	0.0	-	-	5.4	-	-	5.4
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Rainbow	2	2	2	5.4	-	-	0.0	-	-	5.4	-	-	5.4
			Site	1,258.0	50.1	All trout	80	68	80	20.9	-	-	3.1	-	-	17.7	-	-	16.2
						Brook	0	0	0	0.0	-	-	0.0	-	-	0.0	-	-	0.0
						Brown	4	4	4	1.0	-	-	0.0	-	-	1.0	-	-	1.0
						Rainbow	76	64	76	19.8	-	-	3.1	-	-	16.7	-	-	15.1

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout	
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)	
WEST BRANCH FEATHER RIVER TRIBUTARIES																				
Coon-F1	Upstream of WBFR	E-fish	Upper	112.0	27.8	All trout	48, 21, 10	19, 6, 2	79	254.8	225.2	284.4	132.3	124.1	140.5	81.8	74.2	89.4	9.1	
						Brook	6, 4, 0	4, 3, 0	10	30.6	25.1	36.0	9.0	7.0	11.0	21.6	16.3	27.0	3.1	
						Brown	1, 1, 0	1, 1, 0	2	6.4	2.1	10.6	N/A	N/A	N/A	6.4	2.1	10.6	3.2	
						Rainbow	41, 16, 10	14, 2, 2	67	218.7	188.4	248.9	170.2	129.9	210.5	54.0	49.0	59.0	3.0	
			Lower	180.0	25.0	All trout	83, 28, 20	28, 6, 7	131	262.9	239.2	286.6	182.2	161.0	203.5	80.8	69.7	92.0	11.8	
						Brook	2, 2, 3	2, 2, 3	7	43.8 ^b	-277.0 ^b	364.5 ^b	N/A	N/A	N/A	43.8 ^b	-277.0 ^b	364.5 ^b	6.3 ^b	
						Brown	1, 1, 0	1, 1, 0	2	4.0	1.3	6.0	N/A	N/A	N/A	4.0	1.3	6.0	4.0	
						Rainbow	80, 25, 17	25, 3, 4	122	240.0	221.2	258.8	182.2	161.0	203.5	59.9	55.5	64.3	5.6	
			Site	292.0	23.4	All trout	131, 49, 30	47, 12, 9	210	259.8	241.3	278.3	180.1	161.3	198.8	80.9	74.0	87.8	10.7	
						Brook	8, 6, 3	6, 5, 3	17	22.5 ^b	12.4 ^b	32.6 ^b	3.5	2.7	4.2	19.1	6.7	31.5	2.7 ^b	
						Brown	2, 2, 0	2, 2, 0	4	4.9	2.6	7.2	N/A	N/A	N/A	4.9	2.6	7.2	3.7	
						Rainbow	121, 41, 27	39, 5, 6	189	231.5	215.6	247.5	177.0	157.9	196.1	57.7	54.3	61.0	4.6	
Philbrook-F1	Upstream of Reservoir	E-fish	Upper	179.3	15.4	All trout	234, 138, 35	3, 0, 2	407	816.2	776.0	856.3	804.1	765.1	843.0	15.3	-19.4	49.9	0.0	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Brown	234, 138, 35	3, 0, 2	407	816.2	776.0	856.3	804.1	765.1	843.0	15.3	-19.4	49.9	0.0	
						Rainbow	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Lower	76.0	5.3	All trout	160, 23, 9	0, 0, 0	192	834.5	823.5	845.4	834.5	823.5	845.4	N/A	N/A	N/A	N/A	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	160, 23, 9	0, 0, 0	192	834.5	823.5	845.4	834.5	823.5	845.4	N/A	N/A	N/A	N/A	
						Rainbow	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			Site	255.3	10.7	All trout	394, 161, 44	3, 0, 2	599	807.4	787.2	827.7	799.7	779.9	819.5	6.4 ^b	2.6 ^b	10.3 ^b	0.0	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	394, 161, 44	3, 0, 2	599	807.4	787.2	827.7	799.7	779.9	819.5	6.4 ^b	2.6 ^b	10.3 ^b	0.0	
						Rainbow	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Philbrook-F2	Downstream of Reservoir	E-fish	Upper	102.0	22.5	All trout	19, 7, 0	7, 4, 0	26	84.7	80.3	89.2	48.5	46.5	50.6	36.5	31.4	41.7	13.3	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	4, 0, 0	1, 0, 0	4	12.9 ^b	12.9 ^b	12.9 ^b	9.7 ^b	9.7 ^b	9.7 ^b	3.2 ^b	3.2 ^b	3.2 ^b	3.2	
						Rainbow	15, 7, 0	6, 4, 0	22	72.3	66.7	77.9	39.0	36.3	41.7	33.6	27.6	39.6	10.1	
			Lower	91.5	29.8	All trout	15, 5, 3	8, 1, 0	23	88.8	73.2	104.3	68.3	15.4	121.2	32.3	31.6	33.0	10.7	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	0, 1, 0	0, 0, 0	1	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A	N/A	N/A	N/A	
						Rainbow	15, 4, 3	8, 1, 0	22	84.0	70.6	97.3	61.1	17.8	104.4	32.3	31.6	33.0	10.7	
			Site	193.5	26.2	All trout	34, 12, 3	15, 5, 0	49	85.8	80	91.7	54.1	45.2	59.2	34.3	32.5	36.1	12.0	
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						Brown	4, 1, 0	1, 0, 0	5	8.5	7.9	9.2	8.5	7.9	9.2	1.7	N/A	N/A	1.7	
						Rainbow	30, 11, 3	14, 5, 0	44	77.5	71.4	83.6	42.7	37.3	48.0	32.6	30.7	34.6	10.3	

Table E6.3.2.2-E. Trout abundance estimates for the DeSabra-Centerville Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Trout Species	Removal Pattern (all age classes) ^a	Removal Pattern (trout >100mm) ^a	Number Captured	All Age Classes			Young of Year			Juv/Adult			Catchable Trout		
										Linear abundance (trout/100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/ 100m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100 m)	Linear abundance Lower 95% C.I.	Linear abundance Upper 95% C.I.	Linear abundance (trout/100m)		
Long-F1	Upstream of canal	E-fish	Site	150.0	10.3	All trout	21, 9, 1	3, 1, 1	31	69.8	64.3	75.4	58.0	54.1	61.8	12.8	3.9	21.7	2.5		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						Brown	1, 0, 1	1, 0, 1	2	4.4 ^b	-24.1 ^b	32.8 ^b	N/A	N/A	N/A	4.34 ^b	-24.1 ^b	32.8 ^b	2.7 ^b		
						Rainbow	20, 9, 0	2, 1, 0	29	64.7	60.6	68.8	58.0	54.1	61.8	6.7	5.2	8.2	0.0		
Long-F2	Downstream of diversion	E-fish	Site	300.0	9.9	All trout	49, 16, 5	27, 7, 2	70	79.2	74.6	83.8	39.4	34.7	44.1	40.1	37.9	42.4	13.4		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	21, 6, 1	20, 6, 1	28	31.1	29.4	32.9	1.1 ^b	1.1 ^b	1.1 ^b	30.0	28.2	31.9	12.2		
						Rainbow	28, 10, 4	7, 1, 1	42	48.4	43.5	53.3	38.4	33.4	43.4	10.1	8.8	11.4	1.1		
Cunningham-F1	Upstream of diversion	E-fish	Site	246.0	7.8	All trout	29, 9, 7	7, 1, 1	45	65.8	56.0	75.5	54.2	43.0	65.4	12.3	10.7	13.9	1.4		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	29, 9, 7	7, 1, 1	45	65.8	56.0	75.5	54.2	43.0	65.4	12.3	10.7	13.9	1.4		
Cunningham-F2	Downstream of diversion	E-fish	Site	300.0	8.0	All trout	29, 7, 1	28, 7, 1	37	40.9	39.3	42.4	1.1	N/A	N/A	39.8	38.2	41.4	5.5		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	29, 7, 1	28, 7, 1	37	40.9	39.3	42.4	1.1	N/A	N/A	39.8	38.2	41.4	5.5		
						Rainbow	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Little West Fork-F1	Upstream of diversion	E-fish	Upper	60.0	9.2	All trout	7, 2, 0	4, 0, 0	9	49.6 ^b	46.4 ^b	52.8 ^b	28.5 ^b	21.3 ^b	35.7 ^b	21.9 ^b	21.9 ^b	21.9 ^b	0.1 ^b		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	7, 2, 0	4, 0, 0	9	49.6 ^b	46.4 ^b	52.8 ^b	28.5 ^b	21.3 ^b	35.7 ^b	21.9 ^b	21.9 ^b	21.9 ^b	0.1 ^b		
			Lower	243.0	8.8	All trout	9, 4, 1	5, 0, 0	14	19.9	16.4	23.4	12.2 ^b	8.1 ^b	16.2 ^b	6.8 ^b	6.8 ^b	6.8 ^b	1.4		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	9, 4, 1	5, 0, 0	14	19.9	16.4	23.4	12.2 ^b	8.1 ^b	16.2 ^b	6.8 ^b	6.8 ^b	6.8 ^b	1.4		
			Site	303.0	9.0	All trout	16, 6, 1	9, 0, 0	23	26.2	23.3	27.9	17.3	11.1	23.6	9.7	N/A	N/A	2.2		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Rainbow	16, 6, 1	9, 0, 0	23	25.6	23.3	27.9	17.3	11.1	23.6	9.7	N/A	N/A	2.2		
Little West Fork-F2	Downstream of diversion	E-fish	Site	280.0	8.6	All trout	20, 9, 0	15, 5, 0	29	34.7	32.4	36.9	11.2	8.5	13.8	23.7	22.4	24.9	3.5		
						Brook	0, 0, 0	0, 0, 0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
						Brown	20, 8, 0	15, 5, 0	28	33.3	31.4	35.2	9.7	8.0	11.4	23.7	22.4	24.9	3.5		
						Rainbow	0, 1, 0	0, 0, 0	1	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A	N/A	N/A	N/A	

^a The number of fish observed during each pass is reported separately; surveys conducted by e-fishing included 3-4 passes whereas surveys conducted by direct observation included 1 pass.

^b This estimate was calculated using maximum-likelihood method for increased confidence due to a low capture number or insufficient depletion.

** Overall trout densities for the site were calculated using a weighted average of the segment results due to unequal number of passes between the segments.

APPENDIX E6.3.2.2-F

**Trout Population Biomass Summary for the DeSabra-Centerville
Hydroelectric Project Area, 2006**

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Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult					
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.			
BUTTE CREEK																								
Butte 65.3	Doe Mill Bridge	E-fish	Upper	136.0	38.1	0.12	All trout	37, 7, 3	14, 2, 0	47	1,112.2	888.4	9.5	9.1	9.9	1.9	1.8	2.1	7.5	7.3	7.6			
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	1, 0, 0	1, 0, 0	1	53.7	53.7	0.5 ^b	0.5 ^b	0.5 ^b	N/A	N/A	N/A	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b
							Rainbow	36, 7, 3	13, 2, 0	46	1,058.5	834.7	9.0	8.6	9.4	1.9	1.8	2.1	7.0	6.9	7.2			
			Lower	157.0	36.1	0.13	All trout	33, 13, 3	11, 4, 2	49	1,552.9	1,296.2	12.4	11.4	13.3	2.0	1.9	2.2	10.7	8.6	12.8			
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
							Rainbow	33, 13, 3	11, 4, 2	49	1,552.9	1,296.2	12.4	11.4	13.3	2.0	1.9	2.2	10.7	8.6	12.8			
			Site	293.0	37.1	0.25	All trout	70, 20, 6	25, 6, 2	96	2,665.1	2,184.6	10.9	10.5	11.4	2.0	1.9	2.1	8.9	8.4	9.4			
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	1, 0, 0	1, 0, 0	1	53.7	53.7	0.2 ^b	0.2 ^b	0.2 ^b	N/A	N/A	N/A	0.2 ^b	0.2 ^b	0.2 ^b			
							Rainbow	69, 20, 6	24, 6, 2	95	2,611.4	2,130.9	10.7	10.3	11.2	2.0	1.9	2.1	8.7	8.2	9.2			
BUTTE CREEK TRIBUTARIES																								
Inskip-F1	Upstream of diversion	E-fish	Site	167.0	8.7	0.03	All trout	9, 4, 1	2, 1, 1	14	156.5	123.5	5.0	4.1	5.8	1.0	0.9	1.1	5.4	-4.4	15.3			
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	9, 4, 1	2, 1, 1	14	156.5	123.5	5.0	4.1	5.8	1.0	0.9	1.1	5.4	-4.4	15.3			
Inskip-F2	Downstream of diversion	E-fish	Site	225.0	8.4	0.04	All trout	31, 7, 4	6, 1, 0	42	435.2	275.2	10.3	9.6	11.0	3.8	3.5	4.2	6.3	6.1	6.6			
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	31, 7, 4	6, 1, 0	42	435.2	275.2	10.3	9.6	11.0	3.8	3.5	4.2	6.3	6.1	6.6			
Kelsey-F1	Upstream of diversion	E-fish	Site	150.0	6.3	0.02	All trout	17, 2, 2, 1	3, 0, 1, 0	22	185.7	132.1	8.7	8.3	9.1	2.5	2.4	2.6	6.2	5.3	7.2			
							Brook	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	17, 2, 2, 1	3, 0, 1, 0	22	185.7	132.1	8.7	8.3	9.1	2.5	2.4	2.6	6.2	5.3	7.2			
Kelsey-F2	Downstream of diversion	E-fish	Site	200.0	5.9	0.03	All trout	11, 3, 4, 2	9, 3, 2, 1	20	284.0	265.2	11.7	8.8	14.7	0.8 ^b	-0.3 ^b	1.9 ^b	10.3	8.7	11.9			
							Brook	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	11, 3, 4, 2	9, 3, 2, 1	20	284.0	265.2	11.7	8.8	14.7	0.8 ^b	-0.3 ^b	1.9 ^b	10.3	8.7	11.9			

Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult				
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.		
Clear-F1	Upstream of diversion	E-fish	Site	290.0	8.1	0.05	All trout	33, 8, 2	21, 6, 1	43	1,183.0	1,106.0	22.3	21.3	23.3	1.4	1.3	1.5	20.9	19.7	22.0		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	8, 4, 1	8, 4, 1	13	521.8	521.8	10.4	8.1	12.6	N/A	N/A	N/A	10.4	8.1	12.6		
							Rainbow	25, 4, 1	13, 2, 0	30	661.2	584.2	12.3	12.0	12.7	1.4	1.3	1.5	10.9	10.6	11.1		
Clear-F2	Downstream of diversion	E-fish	Site	120.0	16.9	0.05	All trout	6, 1, 2, 2	1, 0, 1, 0	11	54.5	29.3	1.4	0.6	2.3	0.7	0.2	1.1	0.6 ^b	-1.6 ^b	2.8 ^b		
							Brook	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
							Brown	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
							Rainbow	6, 1, 2, 2	1, 0, 1, 0	11	54.5	29.3	1.4	0.6	2.3	0.7	0.2	1.1	0.6 ^b	-1.6 ^b	2.8 ^b		
WEST BRANCH FEATHER RIVER																							
WBFR 43.6	Downstream of Round Valley Reservoir	E-fish	Upper	32.9	4.9	0.00	All trout	1, 0, 0	1, 0, 0	1	32.9	32.9	9.1 ^b	9.1 ^b	9.1 ^b	N/A	N/A	N/A	9.1 ^b	9.1 ^b	9.1 ^b		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
							Rainbow	1, 0, 0	1, 0, 0	1	32.9	32.9	9.1 ^b	9.1 ^b	9.1 ^b	N/A	N/A	N/A	9.1 ^b	9.1 ^b	9.1 ^b		
			Lower	86.0	4.9	0.01	All trout	4, 0, 2, 0	1, 0, 1, 0	6	200.9	189.6	20.9	15.9	26.0	1.1	1.0	1.3	23.2	-8.3	54.7		
							Brook	1, 0, 1, 0	1, 0, 1, 0	2	189.6	189.6	23.2	-8.3	54.7	N/A	N/A	N/A	23.2	-8.3	54.7		
							Brown	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
							Rainbow	3, 0, 1, 0	0, 0, 0, 0	4	11.3	0.0	1.1	1.0	1.3	1.1	1.0	1.3	N/A	N/A	N/A		
			Site	118.0	5.0	0.01	All trout	**	**	7	233.8	222.5	17.8	**	**	0.8	**	**	19.5	**	**		
							Brook	**	**	2	189.6	189.6	17.1	**	**	N/A	**	**	17.1	**	**		
							Brown	**	**	0	0.0	0.0	N/A	**	**	N/A	**	**	N/A	**	**		
							Rainbow	**	**	5	44.2	32.9	3.2	**	**	0.8	**	**	2.4	**	**		
WBFR 41.1	Downstream of Round Valley Reservoir	E-fish	Upper	177.0	38.2	0.16	All trout	35, 12, 5	19, 5, 2	52	1,669.4	1,547.9	11.3	10.3	12.3	0.9	0.7	1.0	10.2	9.4	11.1		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
							Brown	14, 13, 1	12, 3, 0	18	1,304.2	1,287.1	8.5	7.9	9.1	0.1	0.0	0.3	8.3	8.0	8.7		
							Rainbow	21, 9, 4	7, 2, 2	34	365.2	260.8	2.6	2.1	3.0	0.7	0.6	0.8	1.9	1.2	2.5		
			Lower	123.0	31.6	0.09	All trout	12, 6, 2	4, 3, 1	20	344.7	312.0	4.2	3.3	5.1	0.4	0.3	0.5	4.2	1.6	6.8		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	4, 1, 2	3, 0, 1	7	233.5	226.9	2.6 ^b	1.5 ^b	3.7 ^b	0.1 ^b	0.0 ^b	0.2 ^b	2.8	1.5	4.1		
							Rainbow	8, 5, 0	1, 3, 0	13	111.2	85.1	1.3	1.1	1.5	0.3	0.3	0.3	1.4	-1.1	3.9		
			Site	300.0	34.9	0.24	All trout	47, 18, 7	23, 8, 3	72	2,014.1	1,859.9	8.9	8.1	9.6	0.7	0.6	0.8	8.1	7.3	8.9		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	18, 4, 3	15, 3, 1	25	1,537.7	1,514.0	6.7	5.9	7.4	0.2	-0.3	0.7	6.4	6.0	6.7		
							Rainbow	29, 14, 4	8, 5, 2	47	476.4	345.9	2.1	1.9	2.4	0.6	0.5	0.6	1.7	1.0	2.4		

Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult				
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.		
WBFR 35.0	Road 25N06	E-fish	Upper	100.0	20.3	0.05	All trout	13, 3, 1	5, 1, 0	17	1,274.3	1,242.1	27.8	25.7	29.9	0.7	0.6	0.8	26.7	25.4	28.1		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	1, 0, 0	1, 0, 0	1	1,095.1	1,095.1	23.5 ^b	23.5 ^b	23.5 ^b	N/A	N/A	N/A	23.5 ^b	23.5 ^b	23.5 ^b		
							Rainbow	12, 3, 1	4, 1, 0	16	179.2	147.0	3.9	3.6	4.3	0.7	0.6	0.8	3.2	2.9	3.4		
			Lower	2,101.0	44.2	2.13	All trout	26, 18, 9	9, 7, 3	53	693.7	582.7	4.2	2.8	5.5	0.7	0.4	0.9	3.5	1.6	5.5		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	4, 0, 0	2, 0, 0	4	132.1	123.6	0.6	N/A	N/A	0.0	-	-	0.1	-	-		
							Rainbow	22, 18, 9	7, 7, 3	49	561.6	459.1	3.7	2.0	5.5	0.7	0.3	1.0	3.3	0.1	6.4		
			Site	2,210.0	33.2	1.64	All trout	39, 21, 10	14, 8, 0	70	1,968.0	1,752.4	9.9	8.2	11.6	0.7	0.6	0.9	9.0	6.7	11.3		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	5, 0, 0	3, 0, 0	5	1,227.2	1,218.7	5.3	N/A	N/A	0.0	-	-	5.3	-	-		
							Rainbow	34, 21, 10	11, 8, 3	65	740.8	606.1	3.9	3.0	4.8	0.7	0.5	0.9	3.2	1.9	4.5		
WBFR 28.5	Hendricks Canal Road "A"	E-fish	Upper	185.0	42.1	0.18	All trout	30, 28, 15, 6	11, 13, 4, 1	79	1,712.2	1,476.7	11.4	9.3	13.6	1.7	1.1	2.2	9.1	7.4	10.9		
							Brook	0, 0, 0, 0	0, 0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	2, 0, 1, 0	2, 0, 1, 0	3	265.0	265.0	1.6	1.0	2.1	N/A	N/A	N/A	1.6	1.0	2.1		
							Rainbow	28, 28, 14, 6	9, 13, 3, 1	76	1,447.2	1,211.7	9.7	7.8	11.7	9.7	7.8	11.7	7.5	5.9	9.2		
			Lower	115.0	30.1	0.08	All trout	16, 9, 4	11, 5, 1	29	792.9	732.4	11.5	8.4	14.6	1.0 ^b	0.1 ^b	2.0 ^b	9.7	8.3	11.1		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	16, 9, 4	11, 5, 1	29	792.9	732.4	11.5	8.4	14.6	1.0 ^b	0.1 ^b	2.0 ^b	9.7	8.3	11.1		
			Site	300.0	36.5	0.25	All trout	**	**	108	2,505.1	2,209.1	11.5	**	**	1.6	**	**	**	9.3	**	**	
							Brook	**	**	0	0.0	0.0	N/A	**	**	N/A	**	**	N/A	**	**		
							Brown	**	**	3	265.0	265.0	1.1	**	**	N/A	**	**	**	1.1	**	**	
							Rainbow	**	**	105	1,533.7	1,944.1	10.3	**	**	7.2	**	**	**	**	**	**	

Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult		
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.
WEST BRANCH FEATHER RIVER TRIBUTARIES																					
Coom-FI	Upstream of WBFR	E-fish	Upper	112.0	21.8	0.07	All trout	48, 21, 10	19, 6, 2	79	946.9	791.9	18.6	16.4	20.8	2.4	2.2	2.5	14.6	13.2	16.0
							Brook	6, 4, 0	4, 3, 0	10	195.5	179.5	3.6	3.0	4.3	0.3	0.2	0.4	3.4	2.5	4.2
							Brown	1, 1, 0	1, 1, 0	2	144.4	144.4	2.8	0.9	4.7	N/A	N/A	N/A	2.8	0.9	5.6
							Rainbow	41, 16, 10	14, 2, 2	67	531.8	418.8	10.6	9.1	12.0	2.4	1.8	3.0	7.7	6.9	8.4
			Lower	180.0	25.0	0.10	All trout	83, 28, 20	28, 6, 7	131	1,379.9	1,089.4	14.7	13.4	16.0	3.1	2.8	3.5	11.4	9.8	13.0
							Brook	2, 2, 3	2, 2, 3	7	172.9	172.9	5.7 ^b	-36.3 ^b	47.8 ^b	N/A	N/A	N/A	5.7 ^b	-36.3 ^b	47.8 ^b
							Brown	1, 1, 0	1, 1, 0	2	133.9	133.9	1.3 ^b	-1.9 ^b	4.5 ^b	N/A	N/A	N/A	1.3 ^b	-1.9 ^b	4.5 ^b
							Rainbow	80, 25, 17	25, 3, 4	122	1,073.1	782.6	11.2	10.3	12.1	3.1	2.8	3.5	7.8	7.2	8.4
			Site	292.0	23.4	0.16	All trout	131, 49, 30	47, 12, 9	210	2,326.8	1,881.3	16.3	15.2	17.5	3.2	2.9	3.5	12.7	11.6	13.8
							Brook	8, 6, 3	6, 5, 3	17	368.4	352.4	2.8 ^b	1.5 ^b	4.0 ^b	0.1	0.1	0.1	2.7 ^b	1.0 ^b	4.5 ^b
							Brown	2, 2, 0	2, 2, 0	4	278.3	278.3	1.9	1.0	2.8	N/A	N/A	N/A	1.9	1.0	2.8
							Rainbow	121, 41, 27	39, 5, 6	189	1,680.1	1,250.6	11.7	10.9	12.5	3.1	2.8	3.4	8.2	7.7	8.7
Philbrook-FI	Upstream of Philbrook Reservoir	E-fish	Upper	179.3	15.4	0.06	All trout	234, 138, 35	3, 0, 2	407	650.5	76.7	11.3	10.7	11.8	9.9	9.4	10.4	2.0	-2.6	6.6
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	234, 138, 35	3, 0, 2	407	650.5	76.7	11.3	10.7	11.8	9.9	9.4	10.4	2.0	-2.6	6.6
							Rainbow	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Lower	76.0	5.3	0.01	All trout	160, 23, 9	0, 0, 0	192	258.5	0.0	28.2	27.8	28.6	28.2	27.8	28.6	N/A	N/A	N/A
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	160, 23, 9	0, 0, 0	192	258.5	0.0	28.2	27.8	28.6	28.2	27.8	28.6	N/A	N/A	N/A
							Rainbow	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Site	255.3	10.7	0.06	All trout	394, 161, 44	3, 0, 2	599	909.0	76.7	15.1	14.8	15.5	13.9	13.5	14.2	1.2 ^b	0.5 ^b	2.0 ^b
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	394, 161, 44	3, 0, 2	599	909.0	76.7	15.1	14.8	15.5	13.9	13.5	14.2	1.2 ^b	0.5 ^b	2.0 ^b
							Rainbow	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult				
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.		
Philbrook-F2	Downstream of Philbrook Reservoir	E-fish	Upper	102.0	22.5	0.05	All trout	34, 12, 3	15, 5, 0	49	496.7	450.3	9.5	9.0	10.0	0.9	0.8	0.9	8.8	7.6	10.0		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Brown	4, 1, 0	1, 0, 0	5	97.7	83.7	1.9 ^b	1.9 ^b	1.9 ^b	0.3 ^b	0.3 ^b	0.3 ^b	1.6 ^b	1.6 ^b	1.6 ^b		
							Rainbow	30, 11, 3	14, 5, 0	44	399.0	366.6	7.7	7.1	8.3	0.6	0.6	0.7	7.2	6.0	8.5		
			Lower	91.5	29.8	0.06	All trout	21, 9, 1	3, 1, 1	31	365.9	347.4	6.3	5.2	7.4	0.4	0.1	0.7	5.5	5.4	5.7		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	1, 0, 1	1, 0, 1	2	4.4	0.0	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A	N/A	N/A		
							Rainbow	20, 9, 0	2, 1, 0	29	361.5	347.4	6.1	5.2	7.1	0.3	0.1	0.5	5.5	5.4	5.7		
			Site	193.5	26.2	0.12	All trout	49, 16, 5	27, 7, 2	70	862.6	797.7	6.7	6.3	7.2	1.1	1.0	1.2	6.1	5.8	6.4		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	21, 6, 1	20, 6, 1	28	102.1	83.7	0.9	0.8	0.9	0.2	0.1	0.2	0.7	-	-		
							Rainbow	28, 10, 4	7, 1, 1	42	760.5	714.0	6.8	6.3	7.3	0.4	0.4	0.5	6.2	5.8	6.6		
Long-F1	Upstream of canal	E-fish	Site	150.0	10.3	0.04	All trout	21, 9, 1	3, 1, 1	31	272.4	189.6	7.9	7.3	8.5	2.4	2.2	2.5	6.3	1.9	10.6		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	1, 0, 1	1, 0, 1	2	104.6	104.6	2.9 ^b	-16.2 ^b	22.1 ^b	N/A	N/A	N/A	2.9 ^b	-16.2 ^b	22.1 ^b		
							Rainbow	20, 9, 0	2, 1, 0	29	167.8	85.0	4.8	4.5	5.1	2.4	2.2	2.5	2.5	1.9	3.0		
Long-F2	Downstream of diversion	E-fish	Site	300.0	9.9	0.07	All trout	49, 16, 5	27, 7, 2	70	1,395.4	1,283.4	21.2	19.9	22.4	1.7	1.5	1.9	19.2	18.1	20.2		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	21, 6, 1	20, 6, 1	28	1,067.0	1,057.4	15.9	15.0	16.8	0.1 ^b	0.1 ^b	0.1 ^b	15.8	14.8	16.7		
							Rainbow	28, 10, 4	7, 1, 1	42	328.4	226.0	5.1	4.6	5.6	1.6	1.4	1.8	3.4	2.9	3.8		
Cunningham-F1	Upstream of diversion	E-fish	Site	246.0	7.8	0.04	All trout	29, 9, 7	7, 1, 1	45	435.7	282.3	10.8	9.2	12.4	3.9	3.1	4.7	6.5	5.7	7.4		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	29, 9, 7	7, 1, 1	45	435.7	282.3	10.8	9.2	12.4	3.9	3.1	4.7	6.5	5.7	7.4		
Cunningham-F2	Downstream of Div.	E-fish	Site	300.0	8.0	0.06	All trout	29, 7, 1	28, 7, 1	37	917.6	912.1	16.8	16.2	17.4	0.1	-	-	16.7	16.1	17.4		
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	29, 7, 1	28, 7, 1	37	917.6	912.1	16.8	16.2	17.4	0.1	-	-	16.7	16.1	17.4		
							Rainbow	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Table E6.3.2.2-F. Trout population biomass summary for the DeSabra-Centerville Hydroelectric Project Area, 2006.

Site	Location	Method	Site / Segment	Length (ft)	Average Width (ft)	Sample Area (acres)	Trout Species	Removal Pattern (all age classes)	Removal Pattern (trout >100 mm)	Number Captured	Captured Biomass (g)	Captured Biomass of Trout >100 mm (g)	All Age Classes			Young of Year			Juv/Adult						
													Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.	Biomass (kg/acre)	Biomass Lower 95% C.I.	Biomass Upper 95% C.I.				
Little West Fork-F1	Upstream of diversion	E-fish	Upper	60.0	9.2	0.01	All trout	7, 2, 0	4, 0, 0	9	148.9	121.1	11.7 ^b	10.4 ^b	13.0 ^b	2.2 ^b	1.8 ^b	2.6 ^b	9.5 ^b	9.5 ^b	9.5 ^b				
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Rainbow	7, 2, 0	4, 0, 0	9	148.9	121.1	11.7 ^b	10.4 ^b	13.0 ^b	2.2 ^b	1.8 ^b	2.6 ^b	9.5 ^b	9.5 ^b	9.5 ^b				
			Lower	243.0	8.8	0.05	All trout	9, 4, 1	5, 0, 0	14	205.7	17.4	4.4	3.6	5.2	3.8 ^b	2.6 ^b	5.1 ^b	0.4 ^b	0.4 ^b	0.4 ^b				
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
							Rainbow	9, 4, 1	5, 0, 0	14	205.7	17.4	4.4	3.6	5.2	3.8 ^b	2.6 ^b	5.1 ^b	0.4 ^b	0.4 ^b	0.4 ^b				
			Site	303.0	9.0	0.06	All trout	16, 6, 1	9, 0, 0	23	354.6	291.5	5.8	5.3	6.3	1.2	0.7	1.6	4.6	-	-				
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Rainbow	16, 6, 1	9, 0, 0	23	354.6	291.5	5.8	5.3	6.3	1.2	0.7	1.6	4.6	-	-				
Little West Fork-F2	Downstream of diversion	E-fish	Site	280.0	8.6	0.06	All trout	20, 9, 0	15, 5, 0	29	544.3	467.5	10.0	9.4	10.7	1.5	1.1	1.8	8.5	8.1	9.0				
							Brook	0, 0, 0	0, 0, 0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
							Brown	20, 8, 0	15, 5, 0	28	531.6	467.5	9.8	9.2	10.3	1.2	1.0	1.4	8.5	8.1	9.0				
							Rainbow	0, 1, 0	0, 0, 0	1	12.7	0.0	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A ^b	N/A	N/A	N/A				

^b This estimate was calculated using maximum-likelihood method for increased confidence due to a low capture number or insufficient depletion.

** Overall trout linear abundance for the site was calculated using a weighted average of the segment results due to unequal number of passes between the segments.