Georgetown Divide Resource Conservation District

South Fork American River Watershed Stewardship Strategy

CALIFORNIA BAY-DELTA AUTHORITY

National Fish and Wildlife Foundation

Acknowledgements

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CALFED Bay Delta Authority. (http://www.calwater.ca.gov)

National Fish and Wildlife Foundation (http://www.nfwf.org/)

The Stewardship Project resulted in the cooperative efforts and contributions of the South Fork American River Watershed Group, which included the following members: Holly Sheradin (State Water Resources Control Board), Margie Lopez-Read (State Water Resources Control Board), Lori Weber (Regional Water Quality Control Board), James Kimmel (Natural Resources Conservation Service), Chuck Mitchell and Sue Rodman (Eldorado National Forest), Chris Waters and Mike Kirkley (California Department of Forestry and Fire Protection), Kevin Roberts and Robert Little (Sierra Pacific Industries), Dave Spiegelberg (El Dorado County Department of Transportation), and the El Dorado County Board of Supervisors. Members of the South Fork American River Watershed Group also contributed to the project.

Georgetown Divide Resource Conservation District (GeorgetownDivideRCD.org)

APPENDIX D

Related SFAR Watershed Water Quality Data Documents

Hangtown Creek Master Plan Fish Count (El Dorado High School (EDHS))
Hangtown Creek Master Plan Water Quality Data (EDHS)
Iowa Canyon Creek Fish Counts (CA DFG)
New York Creek Water Quality Data (Oak Ridge High School)
Traverse Creek Fish Stocking Data (CA DFG)
Traverse Creek Survey Reports (RCD)

Traverse Creek - 7/8/91

Visual survey to determine fish use in proposed project area within the Botanical Area. Proposal: place boulders in stream to serve as sediment collectors in effort to aggrade channel up above bedrock. Past history of mining abuse has left stream down scoured to bedrock.

Observed from 12N92.2 (Meadow Brook Rd) crossing upstream approximately 1/4 mile to confluence with Rock Canyon Creek (SW1/4 S.24, T12N, R10E

Fish present

- Green sunfish abundant - especially in larger slow moving pools.

Amphibians present

- One AD Bullfrog
- 11-100 range tadpoles - just above road crossing in bedrock pockets along stream margin. Next to confluence with Slat Creek.
  - Appeared to be 2 species present. Most were smaller & black colored Several were larger & brownish.

Traverse Creek 9/12/91

Electroshocked 3 reaches within Botanical area

site #1 - about 300 ft upstream from road 12N92.2 crossing (Meadow Brook Rd.)
electroshocked 120 ft
captured 1 Juv RBT
4 Juv Green sunfish

site #2 - about 500 ft upstream from 12N92.2
electroshocked 120 ft
captured 6-0+, 6-1+, 3 AD Green sunfish
2-0+, 1 AD Redear sunfish
1-0+ or 1+ Largemouth bass
- most fish associated with small woody debris brush pile.

site #3 - about 100 ft above Rock Canyon Creek confluence. - water temp 77°F at 12 noon
electroshocked 250 ft
captured 3-Juv RBT
1-1+, 1 AD Green sunfish

Amphibians
2 adult bull frogs seen

7/12/91 – Length frequency distribution of fish captured from Traverse, Rock Canyon, and Slat creeks. Trout lengths are fork length, all others are total length.

mm	Rainbow trout	Green sunfish	Redear sunfish	Largemouth bass
38-42	III			
43-47	IIII	I		
48-52	IIII		I	
53-57	IIII	II		
58-62	III	I		
63-67	I	II		
68-72	I			
73-77			I	
78-82				I
83-87				
88-92		I		I
93-97		II		
98-102	I	III		
103-107		I		
108-112	I	III		
113-117		I		
118-122		II		
123-127	I	I		
128-132	III	I		
133-137	II	I		
138-142	I	I		
143-147			I	
148-152		I	I	
153-157		I		

[redacted]

Surveyed 7-31-86
Marty Genrich

Traverse Creek

1. General Description

Traverse Creek is a lengthly system with the headwaters originating just South of Georgetown (Sec. 11 + 12) and the mouth at Rock Creek T11N R10E Sec 8. There is alot of private property along it's channel. Two areas of Traverse Creek were surveyed (see maps). Traverse Creek is a low altitude stream having many different characteristics. The upper area is rolling hills whereas the lower area has a steep canyon character.

2. Access

Accessibility to both areas is good The upper area seems fairly heavily used by dredgers and fishermen. The lower area has minimal usage because one needs to go through private property (TIMM'S MINE)

3. Gradients

The gradient in both areas are slight 2-5% or less. The side slopes in the upper areas is slight, mainly rolling hills area. The side slopes are steep in the lower area over 40%

4. Flow

The flow in the upper areas was est. at .4 cfs. and 2.4 cfs near the mouth. Traverse is a perennial stream

5. Substrate

The substrate in the upper areas consists of mainly bedrock in both the pools and the riffles the is some rubble and gravel. Algae is abundant in this area. Light canopy produces solar radiation. The substrate near the mouth is mainly rubble, rocks and gravel in the riffles and rubble and gravel in the pools

6. Tributaries

Rock Canyon Creek and Slat Creek are the tributaries in the upper section Rock Canyon Creek was surveyed, it contributes .5 cfs (est.) at the confluence. Slat Creek is barely flowing at this time. There is an intermittent channel in the surveyed lower area

7. Barriers

There are some steep cascading rock falls in upper Traverse that could be a barrier during low flow only. No other barriers exsist.

8. Vegetation

The vegetation in the upper areas is basically low brush with a light shade canopy. Some bull pine alders and annual forbes exsist. The vegetation in the lower areas is moderately dense with steep side slopes offering a good shade canopy. Species include oak, elephant ear, alders.

9. Aquatic Food Organisms

Not Surveyed

10. Fishery

The fishery in the upper reaches seems to consist mainly of juveniles. There is a lack of good cover and appears to be some fishing pressure. Trails and fishing litter is apparent. BNs seem to dominate this area. The fishery in the lower area seems to be thin. only 2 small juveniles were observed.

11. Public Use

Public Use is apparent in the upper areas mainly for dredging and fishing. There is also evidence of camping. Public Use in the lower area is minimal because of Access through TIMMS MINE

12. Disturbances

The only disturbances in the upper areas is the dredging that occurs. Some dredging has been done into the banks. cont. —

Cont. — A road crosses the lower area (the access road) but it has been closed.

13. Management Recommendations

Recommendations include the regulating of dredging in the upper areas, creating habitat areas for adult trout in both areas. Keeping the road closed in the lower section.

14. Potential Projects

Projects include boulder placement in the upper areas for habitat areas. Log weir can and should be constructed in the lower area. There is excellent access for this project and flags are set to mark the areas of installation

TRAVERSE CR. EL DORADO CO.

11N 11E S5

① 3 places to plant:

~~Hughes place~~
Stiffler place
Brust mine
} recommend plant of 1500 at each place

1950 Observed State navy RT caught from this Cr. ?Unfish

1951

1952 Bernie Faist recommends additional planting location at Buckeye Lodge below Georgetown Ranger Station

1952 - Omit Hughes Place, posted area. Plant 1000 at each location.

1952 - Much fishing reported here. Good stream - Faist - Picardi

	Hatchery	RT	EB
1949			
1950	~~Hasta #1~~	1,500	
1951	✓	3,000	
1952	✓	3,000	
1953	✓	3,000	

CALIFORNIA DIVISION OF FISH AND GAME - STREAM SURVEY No. _____

Name of stream TRAVERSE CREEK Tributary to WEST FK. ROCK CR. River system AMERICAN
Other names _____ County ELDORADO Township 11N. Range 11E Section 6
Stream section: Entire From: _____ To: _____ Length of stream section: ~~7~~ 7 mi.

	LOWER	MIDDLE	UPPER
Length of region			
Station	American Flat Bridge, T. 11N. R. 11E. Sec. 6.		
Date	8-4-38		
Hour	10:00 a.m.		
Weather	Clear		
Altitude	± 2050 ft.		
Stream condition	Rather low water.		
Average width	12 ft.		
Average depth	4 in.		
Volume	2 C.F.S.		
Velocity	T C R S low 1/2 ft. per sec.	T C R S	T C R S
Permanency	C I D	C I D	C I D
Type of bottom	Fine gravel and rubble		
Air temperature	86°F.		
Water temperature	68°F.		
Barriers	None seen.		
Diversions	None noted		
Fishes present	Rainbow trout - 50 fish seen in pool 130 sq. ft. area (4 in.-6 in. long), 4 taken.		
Success of species present			
Extent natural propagation	One fingerling trout taken, several seen.		
Spawning areas	Not noted.		
Degree fished	H M L N popular stream (report)	H M L N	H M L N
Accessibility	By car. Good road, about 2 mi. from main highway.		
Posted or open			
Shade	Quite open, part-willows.		
Pools and shelter	Good		
Aquatic vegetation	Moss and filamentous algae.		
Fish foods:	#1 #2		
Caddisflies	178 192		
Mayflies	22 3		
Diptera	19 36		
Stoneflies	36 18		
Neuroptera			
Beetles	37 91		
~~Dragonflies~~ Watermites	17		
Damselflies			
Scuds			
Snails			

Character of drainage basin: Canyons, mountainous, or hilly, rolling, flat, swampy, wooded, logged-off burned-off, open, cultivated, uncultivated, meadows

Pollution None seen.

Rearing pond, planting base, and hatchery sites: Not noted.

Springs: Not noted.

Remarks:

PREVIOUS STOCKING: If same as Travis Cr. (State records) - 1932 - 8,000 Rainbow trout & 15,000 German B.T.
-1933 - 25,000 Loch Leven Trout.

TRIBUTARIES: 5 branches.

Photos H 48, #32.

Recommendations for stocking:

Region to be stocked:

Species:

Size:

Number:

Frequency:

Sources of data: American & Yuba River Survey, 1938

References: U.S.F.S. Eldorado, 1937 map.

Signature of surveyor: George H. Giles, and F. H. Sumner.

New York Creek
Water Quality Data
1998 - 2001

Mid. CK JV Baseball **10/13/98** Water Quality Test		Lower CK Cafeteria **10/20/98** Water Quality Test		Upper Ck Headwaters **10/20/98** Water Quality Test	
Temperature	21°C	Temperature	20°C	Temperature	20°C
pH	7.5	pH	Mean = 8.2	pH	Mean = 7.75
Nitrogen	0 ppm	Nitrogen	0 ppm	Nitrogen	0 ppm
Alkalinity	100	Alkalinity	Mean = 77.3	Alkalinity	Mean = 125
Phosphate	0 ppm	Phosphate	0 ppm	Phosphate	.2 ppm
		DO	8.8 mg/l	DO	10.6 mg/l
		Turbidity	68.3 NTU	Turbidity	225 NTU

2/9/99 Water Quality Test		**1/25/98** Water Quality Test		**1/25/98** Water Quality Test	
Temperature		Temperature	12°C	Temperature	11°C
pH	7	pH	7.5	pH	7
Nitrogen	0 ppm	Nitrogen	0 ppm	Nitrogen	0 ppm
Alkalinity	55	Alkalinity	120	Alkalinity	110
Phosphate	0 ppm	Phosphate	0 ppm	Phosphate	0 ppm
DO	9.5 mg/l	DO	9.0 mg/l	DO	9.0 mg/l
		Turbidity	10.55 NTU	Turbidity	47.3 NTU

	CSD Water Quality Test **Aug-00**				CSD **1/27/00**
	Riffle 1	Riffle 2	Riffle 3	Riffle 7	Riffle 7
Conductivity	426	430	416	424	
pH	7	7.2	7.2	7.1	7
temperature	26.3	25.6	28	32	
Wat. Temp	18.6	18	19	18	10
DO	8.3	6	6.8	10.8	9
Notirogen	0	0	0	0	0
phosphate	0	0	0	0	0
Alkalinity	123.3	156	142	126	92

	CSD Water Quality Test **Feb-01**				CSD Storm **2/15/01**	Salmon Falls Bridge **2/4/01**
	Riffle 1	Riffle 2	Riffle 3	Riffle 7	Riffle 7	
Conductivity	85.6	78.7	78.3	89.3	N/A	355
pH	7.5	7	7	7	7.5	8
temperature	8	10	10	13	16	11
Wat. Temp	6	8	9	9	11	7
DO	12	15	13	14	14	13
Notirogen	0	6	0	0	0	0
phosphate	0	0	0	0	0.2	0
Alkalinity	68	72	80	68	100	146
Turbidity	49.5	50.1	49.5	47.4	N/A	N/A

State of California

The Resources Agency

Memorandum

[redacted]

To : Iowa Creek, El Dorado County

Date : June 12, 1984

From : Department of Fish and Game -Region 2

Subject: Iowa Creek Trout Population Estimates

On August 19, 1983 Mike Henry (U.S.F.S.) and myself electrofished Iowa Creek at a proposed small hydro diversion (NW¼ of SE¼, Sec 25, T11N, R11E). The 148 foot IFG4 study reach was sampled. Henry estimated the population using Ricker. 1958. (Handbook of Comp. for bio. statistics of fish populations. Bull. Fish. Res. Bd. Can. 119.):

Species	N	Passes	Point Est. for Sec.	95% conf. for Point Est.
RT	50	3	57.046	+/- 10.5

Estimated water flow and temperature were 3 cfs and 58°F respectively.

Mike Meinz
Fishery Biologist

cc: Treanor

MM:ds

LENGTH FREQUENCY

SPECIES RT LOCATION IOWA HILL CREEK DATE 8-19-83 NAME

(mm) FK LGTH		(grm) WT		PASS #1				PASS #2				PASS #3			
	START	300	.0				.0				.0				.0
-110	18	318	.1				.1				.1				.1
-151	40	358	.2		START	271	.2		START	266	.2				.2
-119	16	374	.3	-146	41	312	.3	-126	19	285	.3				.3
-126	24	398	.4	-157	44	356	.4	-110	13	298	.4				.4
-156	36	434	.5	-122	22	378	.5	-113	15	313	.5				.5
-172	60	494	.6	-120	21	399	.6	-70	4	317	.6				.6
			.7	-107	13	412	.7				.7				.7
	START	285	.8	-109	16	428	.8				.8				.8
-118	19	304	.9	-108	12	440	.9				.9				.9
-126	25	329	.0				.0				.0				.0
-126	25	354	.1		START	129	.1				.1				.1
-129	22	376	.2	-107	3	132	.2				.2				.2
-110	19	395	.3	-92	8	140	.3				.3				.3
-134	26	421	.4	-76	4	144	.4				.4				.4
-112	15	436	.5	-72	5	149	.5				.5				.5
-108	15	451	.6	-66	3	152	.6				.6				.6
-114	16	467	.7	-67	2	154	.7				.7				.7
-114	15	482	.8	-68	4	158	.8				.8				.8
			.9				.9				.9				.9
	START		.0				.0				.0				.0
		260	.1				.1				.1				.1
-124	20	280	.2				.2				.2				.2
-116	19	299	.3				.3				.3				.3
-117	22	321	.4				.4				.4				.4
-99	8	329	.5				.5				.5				.5
-106	11	340	.6				.6				.6				.6
-100	11	351	.7				.7				.7				.7
-94	8	359	.8				.8				.8				.8
-110	15	374	.9				.9				.9				.9
-102	11	385	.0				.0				.0				.0
-99	5	390	.1				.1				.1				.1
-93	15	405	.2				.2				.2				.2
-78	5	410	.3				.3				.3				.3
-75	5	415	.4				.4				.4				.4
			.5				.5				.5				.5
	START	133	.6				.6				.6				.6
-69	4	137	.7				.7				.7				.7
-73	4	141	.8				.8				.8				.8
-66	2	143	.9				.9				.9				.9
-68	3	146	.0				.0				.0				.0
-70	5	151	.1				.1				.1				.1
-68	3	154	.2				.2				.2				.2
-68	3	157	.3				.3				.3				.3
			.4				.4				.4				.4
			.5				.5				.5				.5
			.6				.6				.6				.6
			.7				.7				.7				.7
			.8				.8				.8				.8
			.9				.9				.9				.9

WATER QUALITY TEST RESULTS
HANGTOWN CREEK
PLACERVILLE, CALIFORNIA 1995-1996

	A	B	C	D	E
1	Test Site	Students	Date of Test	Dissolved Oxygen	Temperature
2					
3					
4	1	Kevin Hart	5/17/96	10	18 C
5		Lori Collier			
6		Mike Mahoney			
7		Bryan Sax			
8					
9	2	Colleen Day	5/17/96	9.2	6 C
10		Even Miller			
11		Rich Stohfle			
12		Marne Smith			
13					
14	3	Nicole Abercrombie	5/17/96	1.6	15 C
15		James Taylor			
16		Denny MaCarthy			
17		Heather Bird			
18					
19	4	Valerie Coykendall	5/17/96	8.2	14 C
20		Michelle Roberts			
21		Shelly Brown			
22					
23	5	James Thresher	5/17/96	8.6	16 C
24		Cody LeBaron			
25					
26	6	Seth Harney	5/17/96	8	8 C
27		Dustion Moody			
28		Matt Hopkins			
29		Adam Rohrbough			
30					
31	7	Miranda Schleif	5/17/96	9.4	16 C
32		Aaron McMicken			
33		Travis Raymond			
34		Charles Wangerin			
35					
36	8	Andrea Morros	5/17/96	8	15 C
37		Bodi Kamppilla			
38		Jessie Morros			
39					
40	Other				

WATER QUALITY TEST RESULTS
HANGTOWN CREEK
PLACERVILLE, CALIFORNIA 1995-1996

	F	G	H	I	J
1	% Saturation	Fecal 5%	Fecal 10%	pH	Temperature
2					Upstream
3					
4	105	9	224	7.4	15 C
5					
6					
7					
8					
9	74	20	259	6	15 C
10					
11					
12					
13					
14	15	36	265	7	15 C
15					
16					
17					
18					
19	78	1	7	8	15 C
20					
21					
22					
23	87	15	24	57	15 C
24					
25					
26	68	132	710	7	15 C
27					
28					
29					
30					
31	95	0	0	8	15 C
32					
33					
34					
35					
36	78	2	1308	8	15 C
37					
38					
39					
40					

WATER QUALITY TEST RESULTS
HANGTOWN CREEK
PLACERVILLE, CALIFORNIA 1995-1996

	Q	R	S	T	U	V
1	Turbidity	Mass (bkr+soil	Mass (bkr)	Total solids	T. Solid (mg)	BOD(DO day1)
2						
3						
4	16"	163.18	163.15	0.02	20 mg	10
5						
6						
7						
8						
9	21"	175.59	175.53	0.06	60 mg	n/a
10						
11						
12						
13						
14	25"	n/a	n/a	n/a	n/a	2.5
15						
16						
17						
18						
19	17"	169.97	169.95	0.02	20 mg	8.2
20						
21						
22						
23	8"	174.19	174.17	0.02	20 mg	8.6
24						
25						
26	26"	171.52	171.51	0.01	10 mg	8
27						
28						
29						
30						
31	30"	172.46	172.42	0.04	40 mg	9.4
32						
33						
34						
35						
36	6"	158.5	158.48	0.02	20 mg	n/a
37						
38						
39						
40						

HANGTOWN CREEK
WATER QUALITY TEST RESULTS
PLACERVILLE, CALIFORNIA
1998 - 1999

	R	S	T	U	V	W	X	Y
1	Total Solids	Total Solids	BOD DO Day 1	BOD DO Day 5	BOD Total			
2	(mass of beaker)	[(beaker + solids)- beaker]	(DO Day1 (ml))	(DO Day5 (ml))	(D.O. Day 1 - D.O. Day 5)			
3								
4			10.8	4	6.8			
5								
6								
7								
8			13	6	7			
9								
10								
11								
12			10	2	8			
13								
14								
15								
16			-----	-----	-----			
17								
18								
19								
20			11.3	20.2	-----			
21								
22								
23								
24			3.5	-----	-----			
25			5/12/99					
26								
27								
28			2.5	5.3	-----			
29								
30								
31								
32			8.25	8.8	-----			
33								
34								
35								
36			-----					
37								
38								

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HANGTOWN CREEK
WATER QUALITY TEST RESULTS
PLACERVILLE, CALIFORNIA
1998 - 1999

	R	S	T	U	V	W	X	Y
1	Total Solids	Total Solids	BOD DO Day 1	BOD DO Day 5	BOD Total			
2	(mass of beaker)	[(beaker + solids)- beaker]	(DO Day1 (ml))	(DO Day5 (ml))	(D.O. Day 1 - D.O. Day 5)			
3								
4			10.8	4	6.8			
5								
6								
7								
8			13	6	7			
9								
10								
11								
12			10	2	8			
13								
14								
15								
16			-----	-----	-----			
17								
18								
19								
20			11.3	20.2	-----			
21								
22								
23								
24			3.5	-----	-----			
25			5/12/99					
26								
27								
28			2.5	5.3	-----			
29								
30								
31								
32			8.25	8.8	-----			
33								
34								
35								
36			-----					
37								
38								

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HANGTOWN CREEK
WATER QUALITY TEST RESULTS
PLACERVILLE, CALIFORNIA
1999-2K

	I	J	K	L	M	N	O	P	Q
	Change in Temperature	Change in Temperature	Change in Temperature	Total Phosphate	Total Phosphate	Nitrate Nitrogen (No3-N)	Nitrates (ppm NO3)	Turbidity	Total Solids
	(Upstream) (degrees)	(Down stream) (degrees)	(Tup -Tdown)	(High Range)	(Low Range)	(ppm NO3-N)	(ppm NO3=NO3X 4.4)	(JTU)	(mass of beaker + solids)
2									
3									
4	6	9	-3	0	0	1	4.4	5JTU	98.9849
5								.3NTU	
6									
7									
8	6	9	-3	0	0.5	0.25	1.1	.4NTU	102.0241
9								0.0JTU	
10									
11									
12	6	9	-3	----	----	1	4.4	.5NTU	104.0466
13								0.0JTU	
14									
15									
16	6	9	-3	0	0.125	0.4	1.8	----	162.629
17								----	
18									
19									
20	6	9	-3	0	0	0.4	2.2	2JTU	100.002
21								1NTU	
22									
23									
24	6	9	-3	----	----	----	----	2.JTU	107.0795
25								1.7NTU	
26									
27									
28	6	9	-3	----	0.025	0.7	3.1	.7JTU	100.008
29								0.0NTU	
30									
31									
32	6	9	-3	1	1	----	----	5JTU	106.069
33								.6NTU	
34									
35									
36									
37									
38									

Revised 5\17\00 JARED GEARY

HANGTOWN CREEK
WATER QUALITY TEST RESULTS
PLACERVILLE, CALIFORNIA
1999-2K

A	B	C	D	E	F	G	H
TEST SITES	Student Names	Dissolved Oxygen	Temperature	Percent Saturation D.O.	Fecal Coliform	Fecal Coliform	pH
		(ppm from titration)	(degrees)	% from oxygen saturation chart	100% Dilution (Drinking Water ONLY!)	5% Dilution (Use for WQI)	
Date of Tests->							4/26/00
1	Amy Child	8	14	77 %	0	0	8
	Waylon Broussard						
	Cheyenne Vass						
2	Paul Velasquez	10	14	98 %	0	0	8.5
	Kris Jordan				(153N-F)		
	Aaron Wilson						
	Sarah Willis						
3	Drew Miguelgorry	10	15	99 %	0	2	7.6
	Danny Hersey					(21N-F)	
	Jeramie Schader						
4	Luke Toy	---	----	----	0	29	8
	Irin Widger						
	Shaylene Stewart						
5	Sara Jalquin	8	15	79 %	0	0	8
	Dandy Martin						
6	Forrest Banks	13.5	15	134 %	93	24	8
	Chris Patton				(77N-F)		
7	Susie Truesdale	9.8	15	96 %	0	0	8
	Jared Geary				(8N-F)		
	Holly Marvidikis						
	Nicholette Yustat						
8	Ryan Sallee	11	10	100 %	142	13	8
	Robert Lloyd				0	(2N-F)	
	Jeff Ladd						
	Josh Longest						
9							
Average							

Revised 5\17\00 JARED GEARY

HANGTOWN CREEK ELECTROFISHING RESULTS
PLACERVILLE, CALIFORNIA
1994-1995

	A	B	C	D	E	F
1	SPECIES		RT Rainbow Trout		SS - Sacramento Sucker	
2		LENGTH (mm)	Weight (g)	length (mm)	Weight(g)	Length (mm)
3	PASS #1					
4	1	215	96	245	192	43
5	2	170	43	88	7	76
6	3	215	87	112	10	48
7	4	146	42	94	9	55
8	5	210	82	81	6	
9	6	235	134	91	7	
10	7	150	35	113	16	95
11	8			91	8	68
12	9			113	12	
13	10	210	119	91	4	
14	11	165	50	101	8	
15	12	150	35	81	19	
16	13	211	99	87	20	
17	14	178	74	117	95	
18	15			116	145	
19	16			212	256	
20	17			242		
21	18			300		
22	19					
23	20	PASS #2				
24	21			78	9	
25	22			85	8	
26	23			89	8	

ELECTROFISHING RESULTS
HANGTOWN CREEK
PLACERVILLE, CALIFORNIA
1996-1997

	A	B	C	D	E
1	Number	RT - Rainbow Trout	RT - Rainbow Trout	SS Sacramento Sucker	SS - Sacramento Sucker
2	of Fish	LENGTH (mm)	MASS (g)	LENGTH (mm)	MASS (g)
3	PASS #1				
4	1	129	22	71	8
5	2	174	45	77	4
6	3	141	20	79	10
7	4	150	27	80	5
8	5	137	22	154	32
9	6	188	25	79	10
10	7	124	21	169	46
11	8	143	27	100	10
12	9	115	15	80	9
13	10	150	33	150	33
14	11	155	37	160	48
15	12	160	38	103	14
16	13	120	13	89	11
17	14	112	6	85	9
18	15	144	29	75	7
19	16	134	22	88	10
20	17			89	12
21	18			76	23
22	19			76	3
23	20			70	7
24	21			75	9
25	22			68	10
26	23			25	12
27	24			65	2
28	25			70	3
29	26			63	2
30	27			60	2
31	28			60	2
32	29			80	6
33	30			80	2
34	31			68	1
35	32				
36	33				
37	34				
38	35				
39	36				

Section Length = 277 feet
Section Width - top = 16 feet
- Mid = 14 feet
- Bottom = 14 feet
Temperature = 15 degrees celsius
Conductivity = 150 Micro ohms

ELECTROFISHING RESULTS
HANGTOWN CREEK
PLACERVILLE, CALIFORNIA
1996-1997

	F	G	H	I	J	K
1	CYP - Minnow	CYP - Minnow	GSF - Green Sunfish	GSF - Green Sunfish	Crayfish	Crayfish
2	LENGTH (mm)	MASS (g)	LENGTH (mm)	MASS(g)	LENGTH (mm)	MASS (g)
3	PASS # 1					
4	65	5	109	10	56	3
5	72	6	75	6	72	9
6	55	2			80	17
7	43	2			55	8
8	58	2				
9	45	2				
10	68	4				
11	104	15				
12	115	19				
13	10	12				
14	81	15				
15	49	10				
16	91	11				
17	85	11				
18	60	4				
19	60	3				
20	57	2				
21	55	1				
22	65	2				
23	50	1				
24	32	0.5				
25	46	1				
26	60	1				
27	44	1				
28	51	1				
29	38	0.5				
30	49	1				
31	62	2				
32	52	1				
33	40	1				
34	50	1				
35	45	1				
36						
37						
38						
39						

Section Length = 277 feet
Section Width - top = 16 feet
- Mid = 14 feet
- Bottom = 14 feet
Temperature = 15 degrees celsius
Conductivity = 150 Micro ohms

ELECTROFISHING RESULTS
HANGTOWN CREEK
Placerville, California
1997-1998

	A	B	C	D	E
1	Number	RT Rainbow Trout	RT Rainbow Trout	SS -SacramentoSucker	SS - Sacramento Sucker
2	of Fish	Length (mm)	Mass (g)	Length (mm)	Mass(g)
3	PASS # 1				
4	1	205	73	170	120
5	2	185	58	155	125
6	3	155	110	200	87
7	4	155	109	195	86
8	5	145	105	165	66
9	6	160	109	160	49
10	7	150	103	235	88
11	8	130	19	190	82
12	9	170	11	135	27
13	10	205	83	145	36
14	11	170	44	140	32
15	12	60	1		
16					
17	PASS #2				
18	1	210	87	120	25
19	2	45	1	130	24
20	3	140	25	130	31
21	4	90	9	145	35
22	5				
23	6				
24	7				
25	8				
26	9				
27	10				
28	11				
29	12				

Section Length = 260'
Section Width - Top = 21'
- Mid = 19'
- Bottom = 13'
Temperature = 12.5 C @ 10:00 AM
Conductivity = 125 Micro Ohms

Electrofishing Results

Hangtown Creek 1998-1999

Pass 1

	RT- Rainbow Trout		SS-Sac. Suckers		CYP- Minnows		GSF-Green SunFish	
Species	Length(mm)	Mass(g)	Length(mm)	Mass(g)	Length(mm)	Mass(g)	Length(mm)	Mass(g)
1	203	82	214	99	46	1		
2	154	34	193	70	92	10		
3	227	112	162	40	93	12		
4	165	42	224	115	45	1		
5	140	55	157	36	41	0.5		
6			133	22	46	1		
7			133	28	38	0.5		
8			197	68	71	4		
9			173	45	70	3		
10			75	5	35	0		
11			79	4	50	2		
12			65	2	45	1		
13			58	0	43	1		
14			86	5	43	0.5		
15			73	2	43	0.5		
16			65	2	43	0.5		
17			60	1	46	1		
18			143	28	43	0.5		
19			65	2	50	0.5		
20			170	46	43	0.5		
21			82	7	39	0.5		
22			71	3	50	1		
23			68	2	47	0.5		
24			65	3	43	0.5		
25			65	3	43	0.5		
26			70	4	30	0.5		
27			79	4	45	1		
28			70	3	38	3		
29			60	2	32	3		
30			60	2	36	3		
31			63	2	38	3		
32			80	6	40	3		
33					39	3		
34					40	7		
35					42	7		
36					40	7		
37					25	7		
38					42	7		
39					40	7		
40					42	7		
41					45	7		
42					41	7		
43					(+56) To Small To Measure			
44								
45								

Pass 2								
	RT- Rainbow Trout		SS-Sac. Suckers		CYP- Minnows		GSF-Green SunFish	
Species	Length(mm)	Mass(g)	Length(mm)	Mass(g)	Length(mm)	Mass(g)	Length(mm)	Mass(g)
1	143	28	67	3	92	9		
2	141	25	82	5	88	8		
3	173	51	75	3	85	8		
4	91	6	73	4	49	1		
5			64	2	41	1		
6			65	3	46	1		
7			66	3	35	0		
8			65	3	35	0		
9			240	148	39	0		
10			220	93	49	1		
11			250	83	40	1		
12			145	31	40	1		
13			67	3	40	1		
14			65	3	35	0		
15			62	4	35	0		
16			61	4	43	1		

2 Crayfish Were Collected

Section Length= 333'

Section Width(Top)= 21'

Section Width(Mid)=19'

Section Width(Bottom)= 13'

Temperature= 14 C

Conductivity= 125 Mohm

By: Jared Geary

SOUTH FORK AMERICAN RIVER WATERSHED STEWARDSHIP PROJECT

Additional Information:

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