

**APPENDIX D. HABITAT AND FISH SAMPLING DATA WITH SIZE
HISTOGRAMS.**

(Provided electronically in a separate PDF file.)

Date Oct 1, 2009 Stream San Lorenzo Site DA

Sta.# 1 Habitat Categories: Ripple Length: 17'
 Width: 6' Depth (M&R): X = 0.15 → 0.2 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 5

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 8 as willow, alder, cattails %Deciduous 100

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____
 COHO : _____ Shocker Effectiveness: 34, 25, 18

1520
60°F

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Prickly sculpin</u>
35-39	85-89	135-139	<u>CR Sculpin</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 2 Habitat Categories: Pool Length: 85'
 Width: 14 Depth (M&R): X = 1.8 → 2.2' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 48' as 13' watercress, 20' overhang + submerged willow, 15' LWD (alder)
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as willow, alder %Deciduous 100

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____
 COHO : _____ Shocker Effectiveness: 100, 2(3), 207, 185, 229, 199

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>stickleback present</u>
35-39	85-89	135-139	<u>Lamprey 1/0/0</u>
40-44	90-94	140-144	<u>Prickly sculpin</u>
45-49	95-99	145-149	<u>CR sculpin</u>
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

It. Trematode
 N 36.98394 W 122.02740

Date Oct. 1, 09 Stream San Lorenzo Site DA

Sta.# 3 Habitat Categories: RUN Length: 68'
 Width: 9' Depth (M&R): X=0.4 → 0.8' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ⁴⁰ ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 18' as 14' water cross, 4' willow root
 Total Overhead Cover: _____ as _____

% Canopy Closure: 20 as willow / alder %Deciduous 100

Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 020 020 100 0 Shocker Effectiveness: 100
 1+2+: 000 000 000 0 78, 62, 110, 80
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)		Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79	125-129	<u>CR SCULPIN</u> <u>PERCH</u> <u>SCULPIN</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: _____ Shocker Effectiveness: _____
 1+2+: _____
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)		Type of Length Measurement: _____	Other Species:
25-29	75-79	125-129	_____
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Project No. 200-07 Site No. DA
 Stream Name San Lorenzo LEONE Date Oct 1, 2009

Pass No.	Species	Length (mm)			Length FL (mm)	Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL									SL	FL	TL					
<i>Puff</i> 1	STH			0																
2	STH			0																
3	STH			0																
<i>Pool</i> 1	STH	16	8		187															
2	STH	8	3		93															
3	STH	15	3		169															
4	STH			0																
<i>RVA</i> 1	STH			0																
2	STH			0																
3	STH	9	3		103															
4	STA			0																

Date Sept 30-09 Stream San Lorenzo Site 1
Paradise Park

Sta. # 7 Habitat Categories: Run Length: 58'
 Width: 22' Depth (M&R): $\bar{x} = 1.2 \rightarrow 1.7'$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 11' as overhang willow
 Total Overhead Cover: _____ as _____

% Canopy Closure: 22 as _____ %Deciduous 5
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

236
 237

 473
 191
 197

Fish#: SHT YY: 2(0) 1(0) 0(0) 3.3(0) Shocker Effectiveness: _____
 1+ / 2+: 0(2) 0(1) 0(0) 0(3.3) 473, 444, 388
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>CR Sculpin present</u>
35-39	85-89	135-139	<u>Roach</u>
40-44	90-94	140-144	<u>Prickly sculpin present</u>
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

240
 251

Sta. # 8 Habitat Categories: Riffle Length: 71'
 Width: 28 Depth (M&R): $\bar{x} = 0.8 \rightarrow 1.1$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 25

Total Escape Cover: 9' as 7' willow, 2' boulder
 Total Overhead Cover: _____ as _____

% Canopy Closure: 18 as redwood, willow, Alder, boxelder? %Deciduous 5
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

232
 216

 448

194
 193

Fish#: SHT YY: 11(0) 2(0) 2(0) 152(0) Shocker Effectiveness: _____
 1+ / 2+: 3(14) 1(3) 0(2) 4.2(19.2) 491, 448, 387
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>CR Sculpin</u>
35-39	85-89	135-139	<u>Prickly sculpin</u>
40-44	90-94	140-144	<u>crayfish present</u>
45-49	95-99	145-149	<u>Nearshore mud snails present</u>
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

14 fragments

N 37.00665 W 122.04153

177

Electrofishing Data Sheet

Page 1 of 7

Project No. 200-07 Site No. 1
 Stream Name San Lorenzo Date Sept 30, 09
Paradise Park

Pass No.	Species	Length (mm)			Length Weight (gm)			Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	Weight	SL							FL	TL						
1	STH	103	113																		
		94	103																		
2	STH	128	141																		
3	STH	0	0																		
1	STH	195	215																		
		177	196																		
		162	181																		
		133	146																		
		131	145																		
		128	142																		
		126	139																		
		125	137																		
		115	125																		
		108	118																		
		121	132																		
		117	129																		
		115	126																		
		120	133																		
		2	STH	87	96																
94	103																				
3	STH	142	156																		
		122	137																		
		101	112																		

Q.C. D.A.

Date Oct 1-09 Stream San Lorenzo Site 2
Rincon

Sta. # 21 Habitat Categories: RUN water temp 53°F @ 1000psf
 Width: 23 Depth (M&R): $X = 6.4 \rightarrow 2.6$ Length: 71 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ¹⁵ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 20

Total Escape Cover: 18' as boulders & undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 30 as _____ %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 12(11) 3(0) 1(0) 1(0) } Shocker Effectiveness: 458
 1+/2+: 2(3) 1(4) 2(2) 0(1) } 506, 450, 458, 387
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:		215	

water temp 54°F @ 1226h

Sta. # 22 Habitat Categories: Riffle Length: 42'
 Width: 33 Depth (M&R): $X = 0.8 \rightarrow 1.5$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ¹⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 15

Total Escape Cover: 17' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 28 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 14(2) 10(2) 5(0) 5(2) } Shocker Effectiveness: _____
 1+/2+: 1(13) 0(8) 1(6) 0(3) } 401, 407, 377, 374
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

None to light Transients

2010
163
371
191
216
407
191
183
74

Date Sept 30, 2009 Stream San Lorenzo Site 4

Sta. # 17 Habitat Categories: Riffle Length: 43'
 Width: 19 Depth (M&R): $\bar{x} = 0.6 \rightarrow 2.2$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ¹⁵ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 12' as SWD 1012 pst water temp
 Total Overhead Cover: _____ as _____ 54°F

% Canopy Closure: 78 as _____ %Deciduous 95
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 9 1st Pass 4 2nd Pass 2 3rd Pass 1616(11.4) Shocker Effectiveness: _____
 1+/2+: 1 (7) 0 (1) 0 (1) 1 (9) 223, 205, 185
 COHO : _____

H. Trem. a. boulder

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>S.L.</u> <u>CR SCULPIN present</u> <u>CRAYFISH present</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Sta. # 20 Habitat Categories: Riffle Length: 51'
 Width: 42 Depth (M&R): $\bar{x} = 0.55 \rightarrow 0.9$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ¹⁰ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 40.5' as 9.5' boulders, 25' willow, 6' water cross
 Total Overhead Cover: _____ as _____

% Canopy Closure: 34 as _____ %Deciduous 85
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

204
203
205

Fish#: _____
 SHT YY: 59 1st Pass 23 2nd Pass 14 3rd Pass 10416(49.5) Shocker Effectiveness: _____
 1+/2+: 0 (37) 0 (14) 0 (5) 0 (392) 653, 607, 659
 COHO : _____

H. Trem. a. boulder

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>S.L.</u> <u>stickleback present</u> <u>CR present</u> <u>DACE present</u> <u>lamprey present</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 30-09 Stream San Lorenzo R. Site 4

Sta.# _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 21 Habitat Categories: Riv Length: 27'
 Width: 43' Depth (M&R): $\bar{x} = 1' \rightarrow 1.5'$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ³⁰ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 12.5' as 1/2 boulder, 3' willow, 2' watercress
 Total Overhead Cover: _____ as _____

% Canopy Closure: 46 as Alder, willow, sycamore %Deciduous 90
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 10(7) 1st Pass _____ 2nd Pass 4(4) 3rd Pass 2(2) 17.3(15.6) Shocker Effectiveness: _____
 1+/2+: 0(3) _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>CR Sculpin</u>
40-44	90-94	140-144	<u>Date 11/1/1</u>
45-49	95-99	145-149	<u>12/1/1</u>
50-54	100-104	150-154	<u>at back present</u>
55-59	105-109	155-159	<u>at back 1/1</u>
60-64	110-114	160-164	<u>at back present</u>
65-69	115-119	165-169	<u>at back present</u>
70-74	120-124	170-174	<u>at back present</u>
Other:			<u>at back present</u>

169
 164
 333
 192
 214
 08

Electrofishing Data Sheet

Project No. 200-07 Site No. 4
 Stream Name San Lorenzo Date Sept 30-00

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
2 cont if fl		79			87							64		70					
		67			75							60		66					
		81			90							62		68					
		79			87							70		77					
		67			75							57		65					
		65			72							62		68					
2 STH	1	02	1	12								65		72					
		78			86							71		78					
		72			80							85		95					
		81			89							72		80					
		71			78							75		82					
		70			77						1	STH	1	02	1	12			
		83			92						#2	Run		65		71			
		84			93									72		80			
		64			70									73		81			
		72			80									50		55			
		76			83									77		85			
		81			90									77		85			
		70			77									73		81			
		70			77									85		94			
		67			75									64		71			
	77			85									64		71				
	91	1	00							2	STH		65		72				
	80			88									66		73				
	75			82									74		82				
	78			86									63		69				
	70			77						3	STH		68		74				
	87			95									61		67				
	78			86															
3 STH		76			84														
		87			94														
		88			97														

Date 9/9/9 Stream SLR-Brookdale Site 8

Sta. # 9a Habitat Categories: riffle-run Length: 27'
 Width: 21 Depth (M&R): 0.85-1.0 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 2' as carex Temp 64°C
 Total Overhead Cover: _____ as _____

% Canopy Closure: 52 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 1(10) 6(6) 4(3) 26.2(233) Shocker Effectiveness:
 1+/2+: 3(4) 0 0(0) 3(6) 198, 169, 173
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	Dace <u> </u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 9b Habitat Categories: run Length: 48'
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 2(18) 9(8) 2(2) 35.5(315) Shocker Effectiveness:
 1+/2+: 1(4) 0(1) 0 1(5.1) 27, 188, 145
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	Dace <u> </u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	Lamprey <u> </u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date 9/9/9 Stream SLR - Brookdale Site 8

Sta. # 10 Habitat Categories: riffle Length: 29'
 Width: 14 Depth (M&R): x = 0.65 → 0.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 15

Total Escape Cover: 6' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 56 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 20 (17) 8 (7) 3 (3) 33.1(29.1) Shocker Effectiveness: _____
 1+/2+: 1 (4) 1 (2) 0 3(6.7) 199, _____ 127, 170
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	DACE
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

TEMP
 @1643
 63°F

Electrofishing Data Sheet

Project No. 200-07 Site No. 8
 Stream Name SLR - Brookdale Date 9 Sept 09

Pass No.	Species	Length (mm)			Weight (gm)			Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)			Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	SL	FL	TL							SL	FL	TL	SL	FL	TL					SL
1	STH	1	1	7	1	3	0																	
					1	4	8	1	6	2														
					1	0	4	1	1	8														
						7	3		8	1														
						5	2		5	7														
						5	6		6	2														
						8	6		9	5														
						5	7		6	3														
						7	2		8	0														
						5	7		6	3														
						5	4		6	0														
						4	6		5	1														
						8	3		5	9														
						4	7		5	3														
2	STH	7	0		7	7																		
					6	8		7	5															
					5	4		6	0															
					5	1		5	7															
					6	8		7	5															
3	STH				5	3		5	9															
					8	9		9	7															
					5	7		6	3															
					5	7		6	3															
1	STH				4	7		5	3															
					6	4		7	2															
					7	2		8	0															
					6	4		7	1															
					5	7		6	3															
					4	5		5	1															
					7	6		8	4															
1	STH				9	3		1	0		3													
1	STH																							

#9
Riffle

#10
Run

Riffle

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-07 Site No. 8
 Stream Name SLR - Brookdale Date 9 Sept 09

All
OK
and

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	FL (mm)							SL	FL	TL	Weight					
1	STH	6	7		7															
						5														
						2														
						4														
						7														
						5														
						9														
						6														
						7														
						5														
						0														
						7														
						5														
						3														
		2	STH	1	4	0	1	5												
						7														
						8														
						7														
						6														
						1														
						6														
						7														
3	STH	7	2		8	0														
						6														
						0														

Date 2 Sept. 09 Stream SLR@Telh Site 11

Sta. # 21 Habitat Categories: Run Length: 48'
 Width: 7 Depth (M&R): X=0.4 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ← 1.2(<2mm) → 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 76
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	<u>0</u>	<u>0</u>	<u>0</u>	Shocker Effectiveness: <u>130, 126, 100</u>
	1+/2+:	<u>0</u>	<u>0</u>	<u>0</u>	
COHO	:	_____	_____	_____	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Temp Air 75°F
H₂O 61°F
 Sta. # 22 Habitat Categories: Pool Length: 52'
 Width: 19 Depth (M&R): X=1.0 → 1.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ← 1.2(<2mm) → 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 2' as LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 90 as _____ %Deciduous 95
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	<u>1(1)</u>	<u>2(2)</u>	<u>0</u>	Shocker Effectiveness: <u>206, 215, 210</u>
	1+/2+:	<u>1(1)</u>	<u>0</u>	<u>0</u>	
COHO	:	_____	_____	_____	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	<u>Dace III</u>
45-49	95-99	145-149	<u>J. sucker III</u>
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Mod. - Heavy Tremula to Les

Date 2 Sep 09 Stream SLR-Teilh Site 11

Sta. # 23 Habitat Categories: riffle Length: 10'
 Width: 17 Depth (M&R): X=6.1 → 0.2 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ¹⁵ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	<u>0</u>	<u>0</u>	<u>0</u>	Shocker Effectiveness: <u>62, 47, 61</u>
	1+1/2+:	<u>0</u>	<u>0</u>	<u>0</u>	
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	_____
30-34	80-84	130-134	_____
35-39	85-89	135-139	_____
40-44	90-94	140-144	_____
45-49	95-99	145-149	_____
50-54	100-104	150-154	_____
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____
Other:	_____	_____	_____

Sta. # 24 Habitat Categories: pool Length: 51'
 Width: 13 Depth (M&R): X=0.9 → 1.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ⁷⁰ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 4' as 2' undercut bank, 2' root mass
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as _____ %Deciduous 95
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	<u>4(3)</u>	<u>0</u>	<u>0</u>	Shocker Effectiveness: <u>243, 253, 276</u>
	1+1/2+:	<u>3(4)</u>	<u>1(1)</u>	<u>0</u>	
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	_____
30-34	80-84	130-134	_____
35-39	85-89	135-139	_____
40-44	90-94	140-144	_____
45-49	95-99	145-149	_____
50-54	100-104	150-154	_____
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____
Other:	_____	_____	_____

Handwritten notes in table:
 Adult Sucker II
 Dace II III III III
 Juv. Sucker I

Electrofishing Data Sheet

Project No. 200-07 Site No. 11
 Stream Name SLR-Teilh Date 2 Sep 09

21
un
22
pool
Mod
Trem
#23
riffle
#24
pool
All w/ Mod - Heavy

Pass No.	Species	Length (mm)			Weight (gm)	F.L. (%)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL									SL	FL	TL					
1	STH			Ø																
2	STH			Ø																
3	STH			Ø																
1	STH		95		107															
			60		67															
2	STH		71		78															
			48		54															
3	STH			Ø																
1	STH			Ø																
2	STH			Ø																
3	STH			Ø																
1	SKR	1	88		211					*										
	***	1	60		181					*										
1	STH	1	04		113															
			98		108															
			110		120															
			68		76															
			76		83															
			62		68															
			70		76															
2	STH	1	08		120															
3	STH			Ø	Ø															

Date Sept 3, 09 Stream Zayante Site 13a

Sta.# 17 Habitat Categories: Riffle Length: 10'
Width: 41' Depth (M&R): $\bar{x} = 0.15 \rightarrow 1.4$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ¹⁰ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 1.5' as boulders
Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as alder, bay, oak, maple ^{BL} %Deciduous 80
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>3(1)</u>	<u>1(0)</u>	<u>0</u>	<u>4.2(1)</u>
	1+1/2+:	<u>0(2)</u>	<u>0(1)</u>	<u>0</u>	<u>0(3.3)</u>
COHO					<u>166, 146, 109</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>DACE 1/1/0</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 18 Habitat Categories: run Length: 70'
Width: 30 Depth (M&R): $\bar{x} = 0.65 \rightarrow 1.0$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁴⁰ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 5' as 2' watercress 3' boulder
Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 85
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>26(18)</u>	<u>7(5)</u>	<u>4(3)</u>	<u>37.9(26.8)</u>
	1+1/2+:	<u>0(8)</u>	<u>0(2)</u>	<u>0(1)</u>	<u>0(11.2)</u>
COHO					<u>481, 453, 405</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>DACE </u>
35-39	85-89	135-139	<u>strickle back </u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	<u>water lamprey 0/1/1</u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date Sept. 3, 09 Stream Zayante Site 13a

Sta. # 19 Habitat Categories: pool Length: 133'
 Width: 21' Depth (M&R): $\bar{x} = 2' \rightarrow 2.9'$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁷⁰ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 13.5 as 7 boulder 4 bedrock 2.5 SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 54 as _____ %Deciduous 80
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 13 (7) 2 (2) 0 15.2(9.3) Shocker Effectiveness:
 1+ / 2+ : 5 (11) 0 0 5 (11) 466, 440, 438
 COHO : _____

*Removals
14 to
water*

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79 III	S.L.	FL 350m ST 315
30-34	80-84 III		Sucker III
35-39	85-89		Stickleback I
40-44	90-94 II		Roach I / I / I
45-49	95-99		Trout I / I / I
50-54	100-104 I		DALE I / I
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta. # 20 Habitat Categories: pool Length: 56'
 Width: 12' Depth (M&R): $\bar{x} = 1.5 \rightarrow 2.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁴⁰ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 13 as 6' boulder 5' SWD 2' whitewater
 Total Overhead Cover: _____ as _____

% Canopy Closure: 48 as _____ %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 11(6) 1(1) 1(1) 13(8.1) Shocker Effectiveness:
 1+ / 2+ : 2(7) 0 0 2(7) 264, 182, 175
 COHO : _____

*11
Removals*

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79 III	S.L.	FL 350m ST 315
30-34	80-84 II		Ad. Sucker I
35-39	85-89		Stickleback III
40-44	90-94 I		Roach III
45-49	95-99		DALE III
50-54	100-104 I		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Electrofishing Data Sheet

Page 1 of 2

Project No. 200-07 Site No. 13a
 Stream Name Fayant Date Sept. 3

RIVER STA 14

RIVER STA 2

R.V.N. #18 cont.

#19 pool

Pass No.	Species	Length (mm)			Length Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
1	STH	77	77		85					2	STH	75		83					
		76			84							67		75					
		67			75							66		73					
2	STH	77			85							70		78					
3	STH											57		63					
1	STH	87			97							77		85					
		64			71					3	STH	86		94					
		63			69							67		73					
		80			88							71		79					
		91	101									67		75					
		60			66					1	STH	32	1	46					
		67			74							77		86					
		69			76							93	1	03					
		57			63							104	1	15					
		84			93							82		90					
		74			81							73		80					
		57			63							93	1	05					
		76			84							68		75					
		73			81							62		69					
		85			95							75		83					
		81			88							95	1	07					
		59			65							83		91					
		66			73							83		92					
		56			63							65		73					
		60			66							69		75					
		84			94							72		80					
		53			59							75		83					
		61			68							61		67					
		63			69					2	STH	67		75					
		72			80							55		61					
		58			65					3	STH	0							
2	STH	54			60														

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-07 Site No. 13a
 Stream Name Fountain Date Sept 3, 09

Pass No.	Species	Length (mm)			Length Weight (gm) FL	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL								SL	FL	TL						
# 20 pass	STH	9	3	10	3															
		8	2	9	1															
		7	6	8	4															
		8	1	9	0															
		7	5	8	3															
		6	0	6	6															
		6	3	7	0															
		7	1	7	8															
		6	8	7	6															
		10	4	11	4															
		7	0	7	8															
		6	3	7	0															
		7	7	8	5															
		2	STH	7	0	7	8													
3	STH	6	3	7	0															

Date Sept 4, 09 Stream Zuyante Site 13c

Sta. # 26²⁷ Habitat Categories: RIFLE Length: 22'
 Width: 6' Depth (M&R): X 0.3 → 0.5 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 25

Total Escape Cover: 4.0' as boulders
 Total Overhead Cover: _____ as _____

* Canopy Closure: 56 as Alder, bay, oak %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

640F @ 140S

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>11(11)</u>	<u>2(2)</u>	<u>1(0)</u> <u>14(13)</u>	<u>98, 64, 60</u>
COHO	1+ / 2+:	<u>3(3)</u>	<u>0</u>	<u>0(1)</u> <u>3(4)</u>	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>SL</u>	
30-34	80-84	125-129	
35-39	85-89	130-134	
40-44	90-94	135-139	
45-49	95-99	140-144	
50-54	100-104	145-149	
55-59	105-109	150-154	
60-64	110-114	155-159	
65-69	115-119	160-164	
70-74	120-124	165-169	
Other:		170-174	

Sta. # 28 Habitat Categories: pool Length: 26'
 Width: 11' Depth (M&R): X 1.0 → 1.6 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 25

Total Escape Cover: 4' as boulders
 Total Overhead Cover: _____ as _____

* Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>17(17)</u>	<u>4(4)</u>	<u>1(1)</u> <u>22.3(22.3)</u>	<u>108, 90, 75</u>
COHO	1+ / 2+:	<u>2(2)</u>	<u>1(1)</u>	<u>0</u> <u>3.3(3.3)</u>	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>SL</u>	
30-34	80-84	125-129	
35-39	85-89	130-134	
40-44	90-94	135-139	
45-49	95-99	140-144	
50-54	100-104	145-149	
55-59	105-109	150-154	
60-64	110-114	155-159	
65-69	115-119	160-164	
70-74	120-124	165-169	
Other:		170-174	<u>trout 0/1/0</u>

Date Sept 4, 09 Stream Zayante Site 13c

Sta. # 29 Habitat Categories: Dool Length: 100'
 Width: 12 Depth (M&R): X 1.1 → 1.8 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ⁵⁰ 2(2-5mm) _____, (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 40

Total Escape Cover: 4' as bedrock 0.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as bay, AVER, BLH, Sycamore %Deciduous 40
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 37(36) 11(11) 8(8) 58.8(58) Shocker Effectiveness:
 1+/2+: 4(5) 0 1(1) 6(6.7) 286, 290, 276
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49 	95-99	145-149	
50-54 	100-104	150-154	
55-59 	105-109	155-159	
60-64 	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 32 Habitat Categories: step run Length: 52'
 Width: 15 Depth (M&R): X 0.5 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ¹⁵ 2(2-5mm) _____, (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 30

Total Escape Cover: 7.5' as 2' bedrock & 5.5' boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 25(24) 8(8) 2(2) 36.2(35.3) Shocker Effectiveness:
 1+/2+: 3(4) 3(3) 0 6(7) 320, 218, 184
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49 	95-99	145-149	
50-54 	100-104	150-154	
55-59	105-109	155-159	
60-64 	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			<u>CA Giant Salamander</u>

Electrofishing Data Sheet

Project No. 200-07 Site No. 13C
 Stream Name Fayante Date Sept 4, 09

Pass No.	Species	Length (mm)		Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	
		SL	FL TL	FL	FL							SL	FL TL	F.L.						
#26 #27 riff	STH	98	108									52	58							
		90	100									46	51							
		73	81									50	56							
		61	67									43	49							
		85	93								2	STH	87	97						
		52	58										52	60						
		45	50										55	61						
		69	75										53	59						
		60	66										49	54						
		70	77									3	STH	47	53					
		59	66										1	STH	60	66				
		61	67											1	21	1	33			
		46	51											70	77					
		53	58											56	62					
		2	STH	58	63									89	99					
		56	62									48	53							
3	STH	76	84									46	51							
1	STH	65	72									59	60							
		68	75									55	61							
		61	68									55	62							
		88	98									47	52							
		66	72									60	66							
		59	66									100	1	10						
		84	93									48	53							
		59	65									66	73							
		69	76									63	70							
		52	58									64	71							
		57	63									75	83							
		45	50									60	66							
		45	50									87	97							
		51	56									63	70							
		58	65									56	62							

#29 pool

Electrofishing Data Sheet

Project No. 200-07 Site No. 13L
 Stream Name Zayante Date Sept 4, 09

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)				
		SL	FL	TL	F.L.	F.L.							SL	FL	TL	F.L.	F.L.								
# 29 pool cont	1 STH		57		63						# 29 pool cont	3 cont STH		51		57									
			57		63											54		60							
			52		58												56		62						
			41		46												64		70						
			53		58												47		53						
			53		58												46		51						
			52		57										1	1	100	1	10						# 32 5th run
			49		55												54		60						
			55		61												50		56						
			47		53												59		65						
			50		55												60		66						
			45		50												63		70						
			60		66												46		52						
			52		58												67		74						
			48		53												53		59						
			61		67												54		60						
			60		66												86		94						
	43		47										63		70										
2	STH		54		60									58		64									
			56		62									62		68									
			51		56									45		50									
			65		72									52		58									
			65		72									89		99									
			53		59									54		66									
			55		61									79		88									
			57		63									61		68									
			67		73									48		53									
			61		67									47		53									
3	STH		57		63									74		82									
			101	1	12									51		57									
			56		62									51		56									
		71		78									50		55										

Electrofishing Data Sheet

Project No. 200-07 Site No. 132
 Stream Name Zayante Date Sept 4, 09

32
 tag
 red
 count

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
			45		50														
			52		57														
2	STH	10	31		13														
			63		70														
			67		74														
			74		82														
			72		80														
			86		93														
			91		100														
			54		60														
			48		54														
			39		60														
			54		60														
			50		56														
3	STH		62		68														
			33		59														

Date Sept 3, 09 Stream Zayante Site 13d

Sta. # 29 Habitat Categories: step run Length: 38'
 Width: 6 Depth (M&R): $\bar{x} = 0.7 \rightarrow 1.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) $\leftarrow 1.2(<2mm) \rightarrow$ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 10' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 13(13) 1(1) 0 14(14) Shocker Effectiveness: _____
 1+/2+: 6(6) 0 0 6(6)
 COHO : _____

A=84% @ 1500 W=63% @ 1500

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:
25-29	75-79	D.A.
30-34	80-84	125-129
35-39	85-89	130-134
40-44	90-94	135-139
45-49	95-99	140-144
50-54	100-104	145-149
55-59	105-109	150-154
60-64	110-114	155-159
65-69	115-119	160-164
70-74	120-124	165-169
Other:		170-174

Other Species: 176, 106, 86

Sta. # 37 Habitat Categories: pool Length: 60'
 Width: 14 Depth (M&R): $\bar{x} = 1.3 \rightarrow 2.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) $\leftarrow 1.2(<2mm) \rightarrow$ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 8' as 5' boulders, 3' bedrock ledge
 Total Overhead Cover: _____ as _____

% Canopy Closure: 84 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 67(67) 13(13) 8(8) 88.3(88.3) Shocker Effectiveness: _____
 1+/2+: 11(11) 1(1) 0 12(12) 222, 219, 203
 COHO : _____

3RD 74%

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:
25-29	75-79	D.A.
30-34	80-84	125-129
35-39	85-89	130-134
40-44	90-94	135-139
45-49	95-99	140-144
50-54	100-104	145-149
55-59	105-109	150-154
60-64	110-114	155-159
65-69	115-119	160-164
70-74	120-124	165-169
Other:		170-174

Other Species: lamprey 0/0/1

Date Sept 3, 09 Stream Zayante Site 13d

Sta. # 38 Habitat Categories: Riffle Length: 13'
 Width: 6 Depth (M&R): $\bar{x} = 0.2 \rightarrow 0.25$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(1) 0 0 1(1) Shocker Effectiveness: _____
 1+2+: 0 0 0 0(0) 24, 19, 14
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 39 Habitat Categories: pool Length: 48'
 Width: 8 Depth (M&R): $\bar{x} = 0.85 \rightarrow 1.3$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) 25 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 5 as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 25(26) 9(9) 1(1) 376(376) Shocker Effectiveness: _____
 1+2+: 4(4) 3(3) 0 8.8(8.8) 153, 134, 156
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Project No. 200-07 Site No. 13d
 Stream Name Zayante Date Sept 3, 09

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)			
		SL	FL	TL								F.L.	SL	FL						TL	F.L.	
1	STH	99	111	111						1	STH (cont'd)	42	48	48								
		78	87	87								48	59	59								
		111	123	123								66	73	73								
		62	68	68								52	58	58								
		95	105	105								102	112	112								
		54	60	60								38	43	43								
		100	110	110								39	44	44								
		52	58	58								44	49	49								
		62	70	70								110	122	122								
		81	90	90								82	92	92								
		63	69	69								53	59	59								
		43	47	47								66	73	73								
		57	63	63								62	70	70								
		59	60	60								52	58	58								
		58	65	65								64	71	71								
		63	70	70								51	56	56								
		43	48	48								43	48	48								
53	59	59						40	44	44												
49	54	54						69	76	76												
2	STH	42	46	46					55	71	71											
3	STH								70	77	77											
1	STH	85	93	93					44	49	49											
		93	103	103					56	62	62											
		55	61	61					50	56	56											
		55	61	61					67	74	74											
		43	47	47					56	62	62											
		47	53	53					101	112	112											
		47	52	52					58	65	65											
		46	52	52					84	93	93											
		46	51	51					50	56	56											
		61	67	67					62	69	69											
		145	162	162					44	49	49											

Electrofishing Data Sheet

Project No. 200-07 Site No. 13d
 Stream Name Zoyanba Date Sept. 3, 09

Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		FL	TL								FL	TL					
	STH	53	61								49	54					
		45	51								45	51					
		43	48								53	59					
		57	57						2	STH	47	53					
		57	63								90	100					
		43	49								61	67					
		55	61								59	65					
		93	103								43	48					
		83	93								53	58					
		45	50								45	50					
		44	49								53	59					
		49	54								57	63					
		49	59								48	54					
		46	51								44	49					
		52	57								47	53					
		43	48								42	47					
		59	66								45	50					
		40	45						3	STH	61	66					
		42	46								50	56					
		56	63								48	53					
		44	50								46	51					
		60	66								49	54					
		88	97								50	55					
		42	46								47	53					
		43	49								46	52					
		62	69						1	STH	48	53					
		54	60						2	STH	Ø						
		64	71						3	STH	Ø						
		43	48						1	STH	55	61					
		48	53								97	107					
		54	61								97	105					
		38	42								122	134					

a.c. D.A.

#37 pool cont

#37 pool cont

#38 riffle

#39 pool

Electrofishing Data Sheet

Project No. 200-07 Site No. 13d
 Stream Name Zayante Date Sept 3, 09

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL								SL	FL	TL							
#36 pool	STH	6	1		68					#39 pool cont.	STH	4	8		59						
		4	9		59							5	5		61						
		6	3		69							4	8		59						
		4	9		59							4	7		53						
		6	8		75							5	2		58						
		4	9		49							3	8		43						
		6	2		69							5	3		58						
		4	7		53				✓												
		1	1	0	1	21															
				5	3		59														
				4	4		49														
				4	3		48														
				6	0		72														
				5	3		59														
				5	7		63														
				5	1		56														
				6	0		66														
				3	6		40														
				5	9		65														
				4	3		49														
		4	1		45												✓				
		6	1		67																
		4	4		49																
		4	9		59																
		5	6		62												✓				
		5	9		65																
2	STH	8	1		89																
		7	6		84																
		9	2	1	0	2															
		6	1		67																
		3	9		44																
		4	6		51																

Date Sept 4, 2009 Stream Lompico Site 13E

Sta. # #42 Habitat Categories: DD1 Length: 68'
 Width: 11 Depth (M&R): X=0.9 → 1.5 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ⁵⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 9' as 5' boulders, 3' SWD, 1' washing machine
 Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as _____ %Deciduous 590

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: 59(59) 23(23) 3(3) 90(90) Shocker Effectiveness: _____
 1+/2+: 5(5) 1(1) 0 6.1(6.1) 303, 228, 252
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>S.L.</u>
25-29	75-79	125-129
30-34	80-84	130-134
35-39	85-89	135-139
40-44	90-94	140-144
45-49	95-99	145-149
50-54	100-104	150-154
55-59	105-109	155-159
60-64	110-114	160-164
65-69	115-119	165-169
70-74	120-124	170-174
Other:		

58°F @ 935
14 to mid. Abundant

Other Species: CA GIANT SALAMANDER 1/0/0

Sta. # 43 Habitat Categories: RTH6 Length: 10'
 Width: 6 Depth (M&R): 0.1 → 0.15 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ⁵ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: 2(2) 2(2) 0 4(4) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 54, 85, 49
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>S.L.</u>
25-29	75-79	125-129
30-34	80-84	130-134
35-39	85-89	135-139
40-44	90-94	140-144
45-49	95-99	145-149
50-54	100-104	150-154
55-59	105-109	155-159
60-64	110-114	160-164
65-69	115-119	165-169
70-74	120-124	170-174
Other:		

Other Species: CA GIANT SALAMANDER 0/2/0

Date 4 Sep 09 Stream Lompico Site 13c

Sta.# 44 Habitat Categories: pool Length: 46'
 Width: 9' Depth (M&R): $\bar{x}=0.8 \rightarrow 1.9'$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 30

Total Escape Cover: 8.5' as 3.5' bedrock, 2' boulders, 1' SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 1+ / 2+
 COHO : _____
 1st Pass 2nd Pass 3rd Pass Shocker Effectiveness:
34(34) 16(16) 7(7) 63.3(63.3) 252, 171, 197
2(2) 0 0 2(2)

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84		<u>none</u>
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta.# 46 Habitat Categories: Step RVH Length: 40'
 Width: 10' Depth (M&R): $\bar{x}=0.3 \rightarrow 0.5'$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 25

Total Escape Cover: 3.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 1+ / 2+
 COHO : _____
 1st Pass 2nd Pass 3rd Pass Shocker Effectiveness:
24(24) 9(9) 2(2) 36.8(36.8) 190, 177, 204
0 0 0 0

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84		<u>downed madrone u.s.</u>
35-39	85-89		<u>CA giant salamander 1/1/0</u>
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Electrofishing Data Sheet

Page 1 of 3

Project No. 200-07 Site No. 13E
 Stream Name Lompico Date Sept 4, 09

#42 pool

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	FL							FL	FL							
1	STH	7	1	7	1	3	1						4	2	4	6					
			3	9	4	3							5	5	6	1					
		1	2	2	1	3	5						4	3	4	8					
			5	3	5	9							4	5	5	1					
			4	1	4	6							3	8	4	2					
			5	2	5	7							4	6	5	2					
			5	9	6	5							4	7	5	3					
			3	3	3	7							4	5	5	0					
			5	1	5	6							6	3	7	0					
			8	4	9	2							5	7	6	3					
			4	6	5	2							5	1	5	7					
			5	2	5	8							4	3	4	8					
			5	6	6	2							4	9	5	4					
			4	0	4	5							5	3	5	8					
			5	5	6	1							4	3	4	9					
			4	7	5	1							4	9	5	4					
			4	3	4	7							3	8	4	3					
			4	2	4	6							5	2	5	8					
			5	6	6	2							7	2	8	0					
			6	8	7	4							4	0	4	5					
			3	8	4	3							3	7	4	1					
			4	7	5	2							2	8	3	2					
			4	9	5	4							5	6	6	1					
			5	3	5	8							4	1	4	6					
			4	3	4	9							4	1	4	5					
			5	6	6	2							2	6	3	0					
			5	0	5	6							3	5	3	9					
			8	5	9	4							3	9	4	3					
			5	5	6	2							3	5	3	9					
			6	7	7	4							4	6	5	1					
			7	7	8	5							4	5	5	0					
			4	6	5	1							3	2	3	5					

Electrofishing Data Sheet

Project No. 200-07 Site No. 13e
 Stream Name Lompico Date 9-4-09

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL								SL	FL	TL						F.L.
2	STH	51			56					1	STH	93								
		60			66							51			57					
		58			64							47			52					
		40			44							50			56					
		47			53							42			47					
		66			72							30			34					
		57			63							58			65					
		56			61							56			61					
		42			46							65			72					
		76			84							52			57					
		50			55							41			46					
		42			47							82			90					
		58			65							46			52					
		55			61							56			62					
		49			54							46			51					
		53			59							50			55					
		48			53							53			59					
		43			47							45			51					
		34			39							56			62					
		32			35							41			46					
45			50					47			52									
52			57					51			56									
35			39					46			51									
41			46					61			68									
<hr style="width: 50%; margin: auto;"/>																				
3	STH	65			61						46			52						
		40			45						55			61						
		42			47						46			51						
#43 Puffs	1	STH	46			51					42			46						
		52			57						38			42						
	2	STH	53			57					39			44						
		35			39						37			42						
3	STH	Ø																		

#42 pool cont.

#44 pool.

It to work
penetrate

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-07 Site No. 13e
 Stream Name Lompico Date Sept 4, 09

#44
pond
cont

#46
strip
cont

Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL TL								FL	TL					
1 cont	STH		36	40					1 cont	STH	40	54					
			48	53							43	48					
			33	36							38	42					
			51	56							31	34					
2	STH		48	53							42	47					
			44	48							48	53					
			47	53							53	58					
			35	39							46	52					
			39	44							31	35					
			54	60							55	62					
			33	37							54	60					
			52	58							53	59					
			34	38							56	62					
			52	58							52	58					
			43	47							38	42					
			35	40							37	41					
			49	54							46	51					
			36	40							36	40					
			35	40							42	47					
			33	36					2	STH	41	46					
3	STH		46	51							51	57					
			36	40							45	50					
			47	53							62	69					
			49	54							32	36					
			39	44							45	51					
			54	60							42	47					
			28	31							40	44					
#46	1	STH	56	62							51	56					
			41	46							45	50					
			42	47							52	58					
			52	58													
			50	56													

Date Sept 14-09 Stream Bean Site 14B

Sta. # 43 Habitat Categories: Pool Length: 95'
 Width: 14 Depth (M&R): X=1.2 → 1.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 11' as 7' undercut bank, 2' rootiness, 2' LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 92 as _____ %Deciduous 100
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

@ 10:30
Temp
H₂O 60°F

Fish#: _____
 SHT YY: 2(0) 3(0) 1(0) 6(0) Shocker Effectiveness: _____
 1+/2+: 7(9) 2(5) 1(2) 10.3(185) 243, 234, 267
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29 75-79	125-129	
30-34 80-84	130-134	
35-39 85-89	135-139	Lamprey
40-44 90-94	140-144	Dace
45-49 95-99	145-149	Adult Sucker
50-54 100-104	150-154	Juv. Sucker
55-59 105-109	155-159	
60-64 110-114	160-164	
65-69 115-119	165-169	
70-74 120-124	170-174	

Sta. # 44 Habitat Categories: Riffle Length: 58'
 Width: 13 Depth (M&R): X=0.25 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(0) 0 0 1(0) Shocker Effectiveness: _____
 1+/2+: 0(1) 0 0 0(1) 147, 158, 108
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29 75-79	125-129	
30-34 80-84	130-134	
35-39 85-89	135-139	
40-44 90-94	140-144	Dace
45-49 95-99	145-149	
50-54 100-104	150-154	
55-59 105-109	155-159	
60-64 110-114	160-164	
65-69 115-119	165-169	
70-74 120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 146
 Stream Name Bean Date 14 Sep 09

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL								SL	FL	TL							
43 pool 1	STH	1	13	125						3	STH										
			3	147																	
			7	118																	
			13	143																	
			9	105																	
			11	121																	
			9	105																	
			8	95																	
2	STH	7	83																		
		7	86																		
		9	108																		
		10	114																		
		9	103																		
3	STH	14	159																		
		7	86																		
44 pi 1	STH	9	103																		
		7	86																		
		3	86																		
		3	86																		
45 pool 1	STH	11	126																		
		8	98																		
		10	116																		
		12	145																		
		10	118																		
		7	86																		
		7	82																		
		11	124																		
2	STH	9	100																		
		7	97																		
3	STH	9	100																		
49 um 1	STH		86																		
			86																		

Date Sept 10, 09 Stream Fall Creek Site 15

Sta. # 20 Habitat Categories: pool Length: 20'
 Width: 9 Depth (M&R): X=1.0 → 1.4 Tail Crest Depth: _____

59°F @ 1425

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ⁹⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 45

Total Escape Cover: 5' as 4' LWD, 1' boulders
 Total Overhead Cover: _____ as _____

* Canopy Closure: 84 as _____ %Deciduous 5
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 4(3) 2(2) 0 6.7(6) Shocker Effectiveness: _____
 1+/2+: 5(6) 1(1) 1(1) 7.2(8.1) 56, 57, 64
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:		197-211	

Sta. # 24 Habitat Categories: pool Length: 23'
 Width: 13 Depth (M&R): X=0.9 → 1.2 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ⁶⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 45

Total Escape Cover: 8' as 5' LWD, 3' undercut bank
 Total Overhead Cover: _____ as _____

* Canopy Closure: 76 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 6(6) 2(2) 1(1) 9.4(9.4) Shocker Effectiveness: _____
 1+/2+: 9(9) 0 1(1) 10.3(10.3) 123, 142, 133
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		
35-39	85-89		CA GIANTS 0/1/1
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:		188	

Date Sept 10, 2009 Stream Fall Creek Site 15

Sta.# 25 Habitat Categories: RIPPLE (partial) Length: 42'
 Width: 15 Depth (M&R): $\bar{x} = 0.3 \rightarrow 0.8$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 40 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 30

Total Escape Cover: 1' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as _____ %Deciduous 2
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 4(4) 2(2) 2(2) 11.3(11.3) Shocker Effectiveness: _____
 1+/2+: 4(4) 0 0 4(4) 136, 119, 118
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79 1 0	125-129	_____
30-34	80-84 1 0	130-134	_____
35-39	85-89 1 0	135-139	_____
40-44	90-94 1 0	140-144	_____
45-49	95-99 1 0	145-149	_____
50-54	100-104 1 0	150-154	_____
55-59	105-109 1 0	155-159	_____
60-64	110-114 1 0	160-164	_____
65-69	115-119 1 0	165-169	_____
70-74	120-124 1 0	170-174	_____
Other:			

Sta.# 19 (partial) Habitat Categories: step run Length: 40'
 Width: 20 Depth (M&R): $\bar{x} = 0.35 \rightarrow 1.0$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 60 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 4' as SW D & boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 7(7) 3(3) 0 10.8(10.8) Shocker Effectiveness: _____
 1+/2+: 1(1) 0 0 1(1) 164, 127, 81
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79 1 0	125-129	_____
30-34	80-84 1 0	130-134	_____
35-39	85-89 1 0	135-139	_____
40-44	90-94 1 0	140-144	_____
45-49	95-99 1 0	145-149	_____
50-54	100-104 1 0	150-154	_____
55-59	105-109 1 0	155-159	_____
60-64	110-114 1 0	160-164	_____
65-69	115-119 1 0	165-169	_____
70-74	120-124 1 0	170-174	_____
Other:			

Electrofishing Data Sheet

Project No. 200-07 Site No. 15
 Stream Name Fall Creek Date Sept 10, 09

Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)			
		SL	F.L.								FL	TL						FL	TL	
#20 Pool 1	STH	1	74	193					1	STH	92	102						#21 Riffle		
			197	215								80	90							
			151	166								90	100							
			77	85								58	64							
			93	102								51	57							
			60	66								76	83							
			71	79								50	56							
			68	76								48	53							
			102	112								2	STH	56	63					
			84	93								3	STH	60	67					
2	STH		61	67						3	STH	53	59							
			57	63								57	63							
			57	63								1	STH	61	68					
3	STH	1	12	125					1	STH	93	103						#22 Slap net		
			117	130								63	70							
			188	206								57	63							
			95	106								55	62							
			67	73								59	65							
			112	123								70	77							
			88	98								71	78							
			93	103								2	STH	46	52					
			86	94									45	50						
			89	98									42	47						
2	STH		70	77					3	STH	0									
			50	56																
			59	65																
			51	57																
			67	74																
			64	71																
			57	63																
3	STH		98	110																
			55	61																

Date Sept 11, 2009 Stream Newell Creek Site 16

Sta.# 22 Habitat Categories: Riffle Length: 19'
 Width: 11 Depth (M&R): X=0.2 → 0.3 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 10

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>2(2)</u>	<u>2(2)</u>	<u>0</u> <u>4(4)</u>	<u>11, 91, 64</u>
1+/2+:	<u>0</u>	<u>0</u>	<u>0</u>	
COHO :	_____	_____	_____	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>SL</u>	_____
30-34	80-84	_____	_____
35-39	85-89	_____	_____
40-44	90-94	_____	_____
45-49	95-99	_____	_____
50-54	100-104	_____	_____
55-59	105-109	_____	_____
60-64	110-114	_____	_____
65-69	115-119	_____	_____
70-74	120-124	_____	_____
Other:	_____	_____	_____

Sta.# 28 Habitat Categories: Pool (below resident dam) length: 107'
 Width: 15 Depth (M&R): X=1.1 → 1.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) 60 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 70

Total Escape Cover: 11 as black berry vines
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as _____ %Deciduous 95
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>3(3)</u>	<u>1(1)</u>	<u>1(1)</u> <u>5.7(5.7)</u>	<u>379, 337, 296</u>
1+/2+:	<u>5(5)</u>	<u>0</u>	<u>0</u>	
COHO :	_____	_____	_____	

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>SL</u>	_____
30-34	80-84	_____	<u>Duckley Sculpin 1/0/0</u>
35-39	85-89	_____	<u>Roach</u>
40-44	90-94	_____	<u>CA Sucker Adult III 1/1/0</u>
45-49	95-99	_____	<u>JUV Sucker 1/1/0</u>
50-54	100-104	_____	<u>Lamprey 0/0/0</u>
55-59	105-109	_____	_____
60-64	110-114	_____	_____
65-69	115-119	_____	_____
70-74	120-124	_____	_____

Electrofishing Data Sheet

Page 1 of 1

Project No. 200-07 Site No. 16
 Stream Name Newell Creek Date Sept 11, 09

Pass No.	Species	Length (mm)		Length Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)					
		SL	FL TL								F.L.	F.L.											
#20 1	STH	8	2	92					3	STH													
		5	3	59	most						1	STH	6	2	68								
		6	5	72	transparent								6	2	68								
		6	2	70	some								6	7	73								
		6	1	67	moderate								6	7	75								
		6	3	71									2	STH	6	3	70						
		6	7	72				6							6	74							
		6	3	70									3	STH									
		5	7	63				1							3	1	4	5					
		7	2	80										1	4	7	1	6	2				
		5	2	58										1	0	3	1	1	3				
		6	3	70										8	4	9	3						
		8	0	90										8	2	9	1						
		5	7	63										6	1	6	7						
		6	3	70										6	8	7	5						
6	1	67						6	1	6			8										
6	3	69						2	STH	6	9	7	6										
2	STH	6	2	68						3	STH	7	0	7	7								
		6	8	75																			
		6	3	70			✓																
		7	4	82																			
3	STH	6	8	76																			
		5	7	64																			
#21 pool 1	STH	7	6	85			✓																
		6	0	66																			
		6	5	72																			
		6	9	76																			
		7	5	84																			
		8	2	92																			
		7	3	82																			
2	STH	6	3	70																			
		9	0	100																			

#22 pool

#28 pool

O.C. D.A.

Date Sept 10, 09 Stream Boulder Creek Site 179

Sta. # 4 Habitat Categories: riffle Length: 22'
 Width: 15 Depth (M&R): X=0.4 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ^{← 25} 1.2(<2mm) [→] 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 4.5' as boulders
 Total Overhead Cover: _____ as _____

X Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(1) 0 0 1(1) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 157, 117, 125
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	TRACE WITH 1/1/1
35-39	85-89	135-139	WAMPING 0/1/0
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 5 Habitat Categories: Pool Length: 133'
 Width: 23 Depth (M&R): X=1.3 → 2.15 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ^{← 30} 1.2(<2mm) [→] 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 6.5' as 4.5' boulders, 2' bedrock ledge
 Total Overhead Cover: _____ as _____

X Canopy Closure: 74 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 6(6) 2(1) 2(2) 11.3(10.1) Shocker Effectiveness: _____
 1+/2+: 3(3) 0(1) 0 3(4.2) 649, 645, 617
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	ROACH III/III/III/III/III
35-39	85-89	135-139	LAMPREY I/III/III/III/III
40-44	90-94	140-144	BULL FROG tad 1/0/1
45-49	95-99	145-149	TRACE II/1/0
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 11, 09 Stream Boulder Creek Site 17a

Sta.# 7 Habitat Categories: RUN Length: 48'
 Width: 14 Depth (M&R): X=0.7 → 1.1 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ← 20 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 7' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 4(3) 1(1) 1(1) 6.3(5.7) Shocker Effectiveness: _____
1+2+: 4(5) 1(1) 0 5.1(6.1) 222, 179, 166
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>S.L.</u> <u>Lamprey 8/11/11</u> <u>Dace 1/1/10</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 8 Habitat Categories: Pool Length: 41'
 Width: 14 Depth (M&R): X=0.8 → 1.5 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ← 20 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 88 as _____ %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 4(3) 0 0 4(3) Shocker Effectiveness: _____
1+2+: 2(3) 0 0 2(3) 158, 148, 195
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>S.L.</u> <u>Lamprey 1/11/11</u> <u>Dace 11/1/10</u> <u>Poach 9/1/10</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 17a
 Stream Name Boulder Creek Date Sept. 10, 09

#5
pool

#6
pool

#9
pool

#9
pool

Pass No.	Species	Length (mm)		Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)
		SL	FL TL								SL	FL TL					
1	STH		6 2	6 9					cont	STH	7 1	7 8					
2	STH		∅						2	STH	∅						
3	STH		∅						3	STH	∅						
1	STH	1	3 6	1 5 0													
			1 0 7	1 1 6													
			9 5	1 0 5													
			6 5	7 2													
			5 9	6 5													
			6 5	7 2													
			7 2	8 0													
			5 3	5 9													
			6 4	7 1													
2	STH		7 6	8 4													
			7 3	8 1													
3	STH		6 3	6 9													
			6 8	7 5													
1	STH	1	1 4	1 2 5													
			6 8	7 6													
			9 8	1 0 8													
			7 5	8 3													
			1 0 8	1 2 0													
			6 9	7 6													
			7 0	7 7													
			9 2	1 0 2													
2	STH	1	0 0	1 1 1													
			7 3	8 1													
3	STH		6 1	6 7													
1	STH	1	0 2	1 1 2													
			9 2	1 0 2													
			6 8	7 6													
			7 6	8 4													
			7 0	7 7													

Date Sept 10, 09 Stream Boulder Creek Site 17b

Sta. # 31 Habitat Categories: Riffle Length: 56'
 Width: 5' Depth (M&R): X 0.5 → 1.0' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 4.5 as boulders
 Total Overhead Cover: _____ as _____

* Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 7(7) 2(2) 0 9.3(9.3) Shocker Effectiveness:
 1+/2+: 1(1) 0 0 1(1) 134, 181, 166
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84	125-129	
35-39	85-89	130-134	<u>Bullfrog juv 0/0/1</u>
40-44	90-94	135-139	<u>CA Gnatcatcher 0/1/0</u>
45-49	95-99	140-144	
50-54	100-104	145-149	
55-59	105-109	150-154	
60-64	110-114	155-159	
65-69	115-119	160-164	
70-74	120-124	165-169	
Other:		170-174	

Sta. # 32 Habitat Categories: Pool Length: 26'
 Width: 8' Depth (M&R): X 1.1 → 1.7 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 6.5 as boulders
 Total Overhead Cover: _____ as _____

* Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 9(9) 1(1) 1(1) 11(11) Shocker Effectiveness:
 1+/2+: 2(2) 1(1) 0 3.3(3.3) 63, 77, 86
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84	125-129	
35-39	85-89	130-134	
40-44	90-94	135-139	<u>Lamprey 0/1/1</u>
45-49	95-99	140-144	
50-54	100-104	145-149	
55-59	105-109	150-154	
60-64	110-114	155-159	
65-69	115-119	160-164	
70-74	120-124	165-169	
Other:		170-174	

Date Sept 10, 09 Stream Boulder Creek Site 17b

Sta.# 27 Habitat Categories: Step Run Length: 32'
Width: 8' Depth (M&R): $\bar{x} = .5 \rightarrow 2.9$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ²⁰ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 4.5 as boulders
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: 4(4) 0 0 4(4) Shocker Effectiveness: _____
1+ / 2+: 0 0 0 0 132, 106, 112
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 | | 75-79 125-129 Other Species: _____
30-34 | | 80-84 130-134 CA GIANT 1/1/1
35-39 | | 85-89 135-139 _____
40-44 | | 90-94 140-144 _____
45-49 | | 95-99 145-149 _____
50-54 | | 100-104 150-154 _____
55-59 | | 105-109 155-159 _____
60-64 | | 110-114 160-164 _____
65-69 | | 115-119 165-169 _____
70-74 | | 120-124 170-174 _____
Other: _____

Sta.# 30 Habitat Categories: bedrock pool Length: 40'
Width: 20' Depth (M&R): $\bar{x} 1.7 \rightarrow 3.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ³⁵ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 17' as boulders
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: 15(15) 4(4) 5(5) 26.9(26.9) Shocker Effectiveness: _____
1+ / 2+: 19(19) 2(2) 0 12.2(12.2) 175, 180, 226
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 | | 75-79 125-129 | | Other Species: _____
30-34 | | 80-84 130-134 | | BE TADPOLE 1/1/1
35-39 | | 85-89 135-139 | | CA Suckler 1(172, 190) / 0/1
40-44 | | 90-94 140-144 | | Lamprey 11 / 0 / 11
45-49 | | 95-99 145-149 | | _____
50-54 | | 100-104 | | _____
55-59 | | 105-109 155-159 | | _____
60-64 | | 110-114 160-164 | | _____
65-69 | | 115-119 165-169 | | _____
70-74 | | 120-124 170-174 | | _____
Other: _____

1400
58°F @

Electrofishing Data Sheet

Project No. 200-07 Site No. 176
 Stream Name Boulder Creek Date Sept 10, 09

Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL								SL	FL	TL							
# 1	STH	59			60					2	STH	92									
		70			77							98			108						
		62			68							63			69						
		58			64							59			65						
		55			61							64			71						
		47			53							50			56						
2	STH								3	STH											
3	STH									3	STH										
# 30 pool	STH	87			97					# 31 riffle	STH	67			71						
		60			66							67			52						
		86			95							47			52						
		49			54							52			58						
		116			127							65			72						
		90			100							89			98						
		56			62							50			56						
		63			69							65			72						
		89			98							67			73						
		51			56							58			64						
		60			66							54			60						
		54			60							55			61						
		126			139							2	STH								
		61			67								3	STH							
		83			93								1	STH							
104			115						1	STH											
36			63																		
60			67																		
80			89																		
56			62																		
52			58																		
45			50																		
54			60																		
49			54																		

Date 2 Sep 09 Stream Bear Site 18a

Sta. # 10 Habitat Categories: riffle Length: 16'
 Width: 18 Depth (M&R): 0.1 → 0.4 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 25 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 25%

Total Escape Cover: 1.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 74 as Rdw Alder, BLM, D. Fir, Bay %Deciduous 60
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>1(1)</u>	<u>0</u>	<u>0</u> <u>1(1)</u>	<u>100, 115, 119</u>
1+/2+:	<u>0</u>	<u>0</u>	<u>0</u> <u>0</u>	
COHO :				

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>CA Giant Salamander 1/1/0</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 11 Habitat Categories: Pool Length: 109'
 Width: 18 Depth (M&R): 1.7 → 2.5 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 60 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 60

Total Escape Cover: 4.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

*Med → Heavy
Trematode*

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>10(10)</u>	<u>5(4)</u>	<u>1(1)</u> <u>17.7(5.9)</u>	<u>410, 343, 320</u>
1+/2+:	<u>1(1)</u>	<u>1(2)</u>	<u>0</u> <u>2(3)</u>	
COHO :				

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>CA Giant Salamander 1/1/0</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date 2 Sep 09 Stream Bear Site 18a

Sta.# 13 Habitat Categories: Pool Length: 23'
 Width: 11 Depth (M&R): 1.2 → 1.8 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ²⁵ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 30

Total Escape Cover: 6.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 68 as _____ %Deciduous 15
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 3(3) 2(2) 3(3) 0(0) Shocker Effectiveness: 8(8) 2(2)
 1+/2+: 1(1) 1(1) 0 0 125, 123, 110, 100
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	CA Giant Salam.
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 14 Habitat Categories: Step-run Length: 53'
 Width: 4.5 Depth (M&R): 0.3 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) ²⁰ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 2' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 8(8) 3(3) 0 11.7(11.7) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 150, 122, 129
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	CA Giant Salam.
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

@1518
 Air 75°F
 H₂O 66°F

Electrofishing Data Sheet

Project No. 200-07 Site No. 18a
 Stream Name Bear Date 2 Sep 89

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	F.L. (mm)							SL	FL	TL	F.L. (mm)				
1	STH		60		67					1	STH		59		65				
2	STH		Ø		Ø								53		50				
3	STH		Ø		Ø								54		59				
1	STH	1	03	1	13								60		66				
			70		77								58		65				
			68		75								67		74				
			64		71								60		66				
			63		70								52		57				
			51		56					2	STH		67		76				
			59		65								73		80				
			58		64								64		70				
			58		64					3	STH		Ø		Ø				
			48		55														
			57		63														
2	STH		82		96														
			75		82														
			66		73														
			66		73														
			53		59														
			61		68														
3	STH		57		63														
1	STH		91	1	101														
			57		63														
			59		67														
			67		74														
2	STH		89		97														
			57		63														
			64		71														
3	STH		65		72														
			62		69														
			47		52														
4	STH		Ø		Ø														

#10 file

#11 pool

#13 pool

#14 step run

Date 14 Sep 09 Stream Branciforte Site 219-2

Sta.# 14 Habitat Categories: Riffle Length: 8'
Width: 11 Depth (M&R): $\bar{x} = 0.1 \rightarrow 0.25$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____ Time 1342 Water Temp: 60°C
COHO : _____ Shocker Effectiveness: 25, 27, 23

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement:	Other Species:
25-29 <u>0/0/0</u> 75-79 <u>0/0/0</u>	125-129 <u>0/0/0</u>	<u>none</u>
30-34 <u>0/0/0</u> 80-84 <u>0/0/0</u>	130-134 <u>0/0/0</u>	
35-39 <u>0/0/0</u> 85-89 <u>0/0/0</u>	135-139 <u>0/0/0</u>	
40-44 <u>0/0/0</u> 90-94 <u>0/0/0</u>	140-144 <u>0/0/0</u>	
45-49 <u>0/0/0</u> 95-99 <u>0/0/0</u>	145-149 <u>0/0/0</u>	
50-54 <u>0/0/0</u> 100-104 <u>0/0/0</u>	150-154 <u>0/0/0</u>	
55-59 <u>0/0/0</u> 105-109 <u>0/0/0</u>	155-159 <u>0/0/0</u>	
60-64 <u>0/0/0</u> 110-114 <u>0/0/0</u>	160-164 <u>0/0/0</u>	
65-69 <u>0/0/0</u> 115-119 <u>0/0/0</u>	165-169 <u>0/0/0</u>	
70-74 <u>0/0/0</u> 120-124 <u>0/0/0</u>	170-174 <u>0/0/0</u>	

Sta.# 15 Habitat Categories: Pool Length: 46'
Width: 13 Depth (M&R): $\bar{x} = 1.1 \rightarrow 1.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) 40 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 3' as undercut bank
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____ Shocker Effectiveness: _____
COHO : _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement:	Other Species:
25-29 <u>0/0/0</u> 75-79 <u>0/0/0</u>	125-129 <u>0/0/0</u>	
30-34 <u>0/0/0</u> 80-84 <u>0/0/0</u>	130-134 <u>0/0/0</u>	
35-39 <u>0/0/0</u> 85-89 <u>0/0/0</u>	135-139 <u>0/0/0</u>	
40-44 <u>0/0/0</u> 90-94 <u>0/0/0</u>	140-144 <u>0/0/0</u>	
45-49 <u>0/0/0</u> 95-99 <u>0/0/0</u>	145-149 <u>0/0/0</u>	
50-54 <u>0/0/0</u> 100-104 <u>0/0/0</u>	150-154 <u>0/0/0</u>	
55-59 <u>0/0/0</u> 105-109 <u>0/0/0</u>	155-159 <u>0/0/0</u>	
60-64 <u>0/0/0</u> 110-114 <u>0/0/0</u>	160-164 <u>0/0/0</u>	
65-69 <u>0/0/0</u> 115-119 <u>0/0/0</u>	165-169 <u>0/0/0</u>	
70-74 <u>0/0/0</u> 120-124 <u>0/0/0</u>	170-174 <u>0/0/0</u>	

Date Sept 14, 2009 Stream Branciforte Site 2/a-2

(small storm previous night)

Sta. # 19 Habitat Categories: Pool Length: 60'
 Width: 13' Depth (M&R): X=1.2 → 1.9' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ⁴⁵ 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 15' as 14' art. boulders, 1' undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 62 as _____ %Deciduous 85
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 2(2) 4(4) 3(3) 9(9) Shocker Effectiveness: _____
 1+/2+: 9(4) 3(3) 0 7(7) 177, 203, 197
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	Adult Sucker II
40-44	90-94	140-144	Lamprey II
45-49	95-99	145-149	Stickleback I
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:		194	

Sta. # 25 Habitat Categories: Run Length: 24'
 Width: 9' Depth (M&R): X=0.4 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ²⁰ 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 2(2) 0 0 2(2) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 50, 55, 63
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	4) 1) Stickleback
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 219-2
 Stream Name Branciforte Date 14 Sep 09

Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
#14 nfa 1	STH	0																	
2	STH	0																	
3	STH	0																	
#15 Pool 1	STH	12	2	13	5														
			6	4	7	2													
			6	0	6	7													
		10	2	11	2														
			5	9	6	5													
			6	1	6	7													
2	STH	9	6	10	5														
			5	1	5	7													
3	STH	5	3	5	9														
#19 Pool 1	STH	1	9	4	2	1	6												
		1	1	2	1	2	3												
			9	6	1	0	7												
			9	4	1	0	4												
			6	6		7	3												
			5	9		6	5												
2	STH	1	0	4	1	1	8												
		1	1	8	1	3	2												
		1	2	8	1	4	0												
			6	7		7	4												
			5	2		5	7												
			6	1		6	8												
			6	3		7	1												
3	STH	7	3	8	2														
			6	1		6	7												
			5	2		5	8												
#25 RW 1	STH	5	6	6	2														
2		6	6	7	2														
3	STH	0		0															

Date 16 Sept 09 Stream Soquel Site 1

Sta. # 18 Habitat Categories: Bedrock Pool Length: 494'
 Width: 38 Depth (M&R): $\bar{x} = 1.0 \rightarrow 2.8$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) \swarrow 90 \searrow 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 50 as 30' under at bank, 8' SWD, 12' rootmats
 Total Overhead Cover: _____ as _____

% Canopy Closure: 80 as _____ %Deciduous 100
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

@1200
61°F
H₂O Temp

Fish#: _____
 SHT YY: 17(7) 9(5) 6(2) 1(1) Shocker Effectiveness: 33(15)
 1+/2+: 4(14) 2(6) 3(7) 0 9(27)
 COHO : _____ 528, 579, 595, 519

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	Adult Sucker 1/0/0
40-44	90-94	140-144	Prickly Sculpin Present
45-49	95-99	145-149	Lamprey 0/1/1
50-54	100-104	150-154	C.R. Sculpin Present
55-59	105-109	155-159	Roach / /
60-64	110-114	160-164	Stickleback Present
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

S.L.
H Light → Very Heavy Treatment

Sta. # 23 Habitat Categories: riffle Length: 34'
 Width: 9 Depth (M&R): $\bar{x} = 0.4 \rightarrow 0.5$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) \swarrow 10 \searrow 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 4' as SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(0) 0 0 1(0) Shocker Effectiveness: 85, 75, 65
 1+/2+: 0(1) 0 0 0(1)
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	C.R. Sculpin 2P
40-44	90-94	140-144	Prickly Sculpin Present
45-49	95-99	145-149	
50-54	100-104	150-154	Lamprey 0/0/1
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

S.L.

Date Sept 16 Stream Soguel Site 1

Sta.# 19 Habitat Categories: Run Length: 43'
Width: 35 Depth (M&R): x=0.2 → 0.3 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as alder, lance, cottonwood %Deciduous 80

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT	YY:	<u>1(0)</u>	<u>0</u>	<u>0</u>	<u>1(0)</u>
	1+/2+:	<u>0(1)</u>	<u>0</u>	<u>0</u>	<u>0(1)</u>
COHO	:	_____	_____	_____	<u>134, 117, 103</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84		<u>prickly sculpin</u> yes yes yes
35-39	85-89		<u>coast sculpin</u> yes yes yes
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta.# _____ Habitat Categories: _____ Length: _____
Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT	YY:	_____	_____	_____	_____
	1+/2+:	_____	_____	_____	_____
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79		
30-34	80-84		
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		

Electrofishing Data Sheet

Project No. 200-07 Site No. 1
 Stream Name Saguel ck Date 9-16-09

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	F.L.	F.L.							SL	FL	TL	F.L.						
1	STH		85		95						3	STH	83		93							
			72		80								84		93							
			61		68								83		92							
			119	1	131								65		73							
			84		93								137	1	152							
			138	1	153								112	1	126							
			94		106								68		75							
			80		90								82		92							
			77		85								107	1	117							
			82		91							4	STH	63		70						
			100	1	110							1	STH	83		93						
			57		63								69		78							
			82		91							2	STH	Ø		Ø						
			70		78							3	STH	Ø		Ø						
			70		78							1	STH	78		87						
			68		75							2	STH	Ø		Ø						
			63		69							3	STH	Ø		Ø						
			112	1	124																	
	87		97																			
	78		88																			
	77		85																			
2	STH	67		74																		
		88		98																		
		82		90																		
		73		80																		
		111	1	124																		
		83		93																		
		105	1	115																		
		96	1	106																		
		60		66																		
		62		68																		
		67		75																		

00
Pool
count

23
table

RW #

Date Sept 16-09 Stream Soguel Cr Site 4

Sta. # 16 Habitat Categories: Riffle Length: 67'
 Width: 13 Depth (M&R): $\bar{x} = 0.4 \rightarrow 0.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 2' as overhang, willow
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 10(10) 2(2) 1(1) 13.0(13.0) Shocker Effectiveness: _____
 1+/2+: 1(1) 0 0 1(1) 171, 148, 154
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>S, L</u>	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	<u>CR Sculpin Present</u>
45-49	95-99	145-149	<u>Prickly Sculpin Present</u>
50-54	100-104	150-154	<u>Yellow-legged Frog II</u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: _____	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 16-09 Stream Soquel CK Site 4

Time 1345
water temp 68°C

Sta.# 15 Habitat Categories: Pool Length: 13.7'
Width: 25 Depth (M&R): X=1.6 → 2.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 14' as art. boulder riprap
Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 100
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 7(4) 5(4) 10(1) 16(8) Shocker Effectiveness: _____
1+2+: 2(5) 1(2) 0(1) 3.3(8.6) 379, 381, 361
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	Juv. Sucker /0/
40-44	90-94	140-144	
45-49	95-99	145-149	Prckly Sculpin Present
50-54	100-104	150-154	CR JSculpin Present
55-59	105-109	155-159	Roach
60-64	110-114	160-164	
65-69	115-119	165-169	Stickleback Present
70-74	120-124	170-174	

Sta.# 14 Habitat Categories: Run Length: 25'
Width: 12 Depth (M&R): X=0.5 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: 74 as Alder %Deciduous 100
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 2(1) 2(2) 0 4(3) Shocker Effectiveness: _____
1+2+: 0(1) 0 0 0(1) 102, 80, 71
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	Coast Sculpin YES YES
35-39	85-89	135-139	prckly sculpin YES YES
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 4
 Stream Name Soquel Ck Date Sept 13-09

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL	FL.	FL.							SL	FL	TL	FL.	FL.						
#15 Pool	1 STH	1	4	2	1	5	4					2 STH		6	1	6	7						
		1	2	5	1	3	9							5	6	6	1						
			8	3		9	0							3 STH		5	6	6	2				
			8	9		9	9																
			7	3		8	1																
			6	1		6	7																
			6	7		7	3																
			8	4		9	3																
			6	7		7	3																
			6	7		7	3																
	2	5	1	1	6																		
	8	1		9	0																		
	6	2		6	8																		
	5	7		6	4																		
	5	2		5	8																		
	5	6		6	2																		
	3 STH	8	3		9	2																	
#14 Run	1 STH	7	6		8	4																	
		6	2		6	8																	
#16 Run	2 STH	5	5		6	2																	
		5	2		5	8																	
	3 STH																						
#16 Run	1 STH	6	3		6	9																	
		9	0	1	10	0																	
		6	7		7	3																	
		5	7		6	3																	
		6	6		7	3																	
		6	9		7	6																	
		5	1		5	8																	
		6	7		7	3																	
		6	2		7	0																	
		6	3		6	9																	
6	1		6	7																			

Date 17 Sept 09 Stream Soquel Site 10

Sta. # 26 Habitat Categories: run Length: 50'
 Width: 14' Depth (M&R): X=0.5 → 0.9 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ³⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 90

Total Escape Cover: 8.5 as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 58 as _____ %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

59.5°F @ 955

Fish#: SHT YY: 7(4) 1(1) 1(1) 9(6.3) Shocker Effectiveness: _____
 1+/2+: 0(3) 0 0 0(3) 141, 140, 137
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>COAST RANGE present</u>
35-39	85-89	135-139	<u>Lamprey 0/2/0</u>
40-44	90-94	140-144	<u>stickleback present</u>
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 27 Habitat Categories: Pool Length: 211'
 Width: 18' Depth (M&R): X=1.4 → 2.1' Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) ⁹⁰ _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 23' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 17(12) 13(8) 3(2) 33(22) Shocker Effectiveness: _____
 1+/2+: 1(6) 1(6) 0(1) 2(13) 013, 408, 512
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement: <u>SL</u>	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Foothill Yellow-legged Frog present</u>
35-39	85-89	135-139	<u>1 yoa / Adult (sm)</u>
40-44	90-94	140-144	<u>1 juv sucker III / P /</u>
45-49	95-99	145-149	<u>COAST RANGE SCULPIN present</u>
50-54	100-104	150-154	<u>PRICKLY SCULPIN</u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	<u>stickleback present</u>

Date Sept 17, 09 Stream Sogwaet Site 10

Sta.# 28 Habitat Categories: Riffle Length: 30'
 Width: 7 Depth (M&R): X=0.55 → 0.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) 30' 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 15

Total Escape Cover: 2.5 as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 48 as _____ %Deciduous 30

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	<u>6(4)</u>	<u>0</u>	<u>1(1) 7.5(6)</u>	Shocker Effectiveness:
	1+/2+:	<u>0(2)</u>	<u>0</u>	<u>0 0(2)</u>	<u>82, 68, 83</u>
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>SL</u>	
30-34	80-84		<u>CR Sculpin</u>
35-39	85-89		<u>Yellow legged frog - Adult</u>
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta.# _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#:		1st Pass	2nd Pass	3rd Pass	
SHT	YY:	_____	_____	_____	Shocker Effectiveness:
	1+/2+:	_____	_____	_____	_____
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79		
30-34	80-84		
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		

Electrofishing Data Sheet

Page 1 of 1

Project No. 200-07 Site No. 10
 Stream Name Soquel Date 17 Sept 09

#26
run

#27
pool

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	F.L.	F.L.							SL	FL	TL	F.L.	F.L.				
1	STH		71		79						2	STH	64		71						
			79		88		TR	none	to				79		87						
			79		87			light					68		75						
			66		73								68		75						
			76		83								59		65						
			72		80								61		67						
			67		74								61		67						
2	STH		73		81								73		81						
3	STH		72		80								68		74						
1	STH		88		96		TR	none	to		3	STH	79		88						
			73		81			light					66		73						
			72		80								65		71						
			67		73						1	STH	63		70						
			69		76								79		88						
			70		78								59		65						
			94	1	103								63		70						
			74		82								54		61						
			56		62								85		92						
			76		85						2	STH	8								
			65		73						3	STH	67		74						
			63		71																
			75		83																
			59		65																
			67		73																
			53		59																
			75		83																
			77		84																
2	STH		81		89																
			96	1	106																
			76		84																
			77		86																
			75		83																

Date Sept 18, 09 Stream Soguel Site 12

Note: Water is turbid Sept 17 & 18 (Olson Ford project)

Sta. # 13 Habitat Categories: Pool Length: 218'
 Width: 25 Depth (M&R): $\bar{x} = 1.9 \rightarrow 3.5$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 8' as 7' overhang veg. 1' bedrock ledge
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: SHT YY: 53 (35) 9 (8) 12 (8) 4 (4) } 77 (55) 9 (31) Shocker Effectiveness: 757, 562, 486, 542
 COHO 1+/2+: 5 (23) 4 (4) 0 (4) 0

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	Stickleback present
30-34	80-84	130-134	Prickly sculpin present
35-39	85-89	135-139	Yuk sculpin present
40-44	90-94	140-144	Coast Range sculpin present
45-49	95-99	145-149	Trout
50-54	100-104	150-154	Yuk sculpin present
55-59	105-109	155-159	Yuk sculpin present
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Sta. # 19 Habitat Categories: Run Length: 37'
 Width: 11 Depth (M&R): $\bar{x} = 0.6 \rightarrow 0.9$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 1' as undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 74 as _____ %Deciduous 40

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: SHT YY: 9 (8) 2 (2) 0 11-3 (0-3) Shocker Effectiveness: 96, 91, 73
 COHO 1+/2+: 0 (1) 0 0 0 (1)

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	CR Sculpin
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 18, 2009 Stream Soguel Site 12

Sta.# 20 Habitat Categories: Riffle Length: 31'
Width: 9' Depth (M&R): X=0, z→0.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as Redwood, Bk Maple, Alder, willow, cottonwood %Deciduous 50
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: 5(4) 2(2) 0 1.5(6.7) Shocker Effectiveness: _____
1+/2+: 0(1) 0 0 0(1) 106, 78, 85
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29	75-79	125-129	Other Species:
30-34	80-84	130-134	<u>CR Sculpin (lots)</u>
35-39	85-89	135-139	<u>shoklaback present</u>
40-44	90-94	140-144	_____
45-49	95-99	145-149	_____
50-54	100-104	150-154	_____
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____

Other: _____

Sta.# _____ Habitat Categories: _____ Length: _____
Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: _____ Shocker Effectiveness: _____
1+/2+: _____
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: _____

25-29	75-79	125-129	Other Species:
30-34	80-84	130-134	_____
35-39	85-89	135-139	_____
40-44	90-94	140-144	_____
45-49	95-99	145-149	_____
50-54	100-104	150-154	_____
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____

Electrofishing Data Sheet

Page 1 of 2

Project No. 200-07 Site No. 12
 Stream Name Soguel Date Sept 18, 07

#13
pod

Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)					
		SL	FL TL	FL	mm							FL	mm	SL	FL TL					FL	mm			
1	STH	82	91							1	STH	63	69											
		78	87	translucent none to light								59	65											
		76	85													67	74							
		76	83													79	87							
		77	85													49	54							
		68	75													63	69							
		54	61													53	59							
		61	67													69	76							
		105	115													53	59							
		80	89													52	58							
		68	77													72	80							
		76	85							78	86													
		122	137							56	62													
		113	125							57	63													
		79	88							64	70													
		84	94							66	73													
		64	72							77	86													
		75	83							72	80													
		56	62							71	78													
		96	106							78	87													
		68	75							74	82													
		55	61							68	75													
		96	106							60	66													
		75	83							60	66													
		67	74							68	75													
		77	85						2	STH	93	103												
		80	88							58	65													
		72	80							112	123													
		71	79							116	128													
		63	69							114	125													
		76	84							62	69													
		70	77							69	76													

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-07 Site No. 12
 Stream Name Soguel Date Sept 18, 09

#13 pool

#20 Riffle

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	mm							FL	mm	SL	FL	TL				
2	STH	65	65	71	71						1	STH	74	82	82						
		65	65	72	72		tr	none	to				62	61	61						
		67	67	74	74			light					86	95	95						
		65	65	72	72								56	62	62						
3	STH	75	75	83	83				✓				52	58	58						
		54	54	60	60						2	STH	57	63	63						
		75	75	82	82				✓				63	69	69						
		66	66	72	72						3	STH	∅								
		72	72	80	80																
		59	59	65	65																
		55	55	61	61																
		61	61	67	67																
		72	72	79	79																
		76	76	84	84																
		76	76	84	84																
		67	67	73	73																
4	STH	50	50	56	56																
		52	52	57	57																
		67	67	73	73																
		63	63	69	69																
1	STH	77	77	86	86																
		68	68	74	74																
		63	63	69	69																
		57	57	63	63																
		72	72	80	80																
		70	70	76	76																
		56	56	62	62																
		67	67	75	75																
		61	61	67	67																
2	STH	72	72	80	80																
		52	52	58	58																
3	STH	∅	∅																		

#19 Rch

Date Sept 18, 2009 Stream Soquel E. Branch Site 13a

Sta. # 38 Habitat Categories: POD Length: 137'
 Width: 2' Depth (M&R): X = 1.0 → 1.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ³⁵ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 13' as 11' LWD, 2' roots & S
 Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as _____ %Deciduous 70
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 18(11) 4(4) 2(1) 24.2(68) Shocker Effectiveness: _____
 1+/2+: 2(9) 0 0(1) 2(10.3) 399, 362, 341
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	SL
25-29	75-79	125-129	Other Species: _____
30-34	80-84	130-134	<u>Roach</u> /1/0
35-39	85-89	135-139	<u>Prickly Sculpin</u> present
40-44	90-94	140-144	<u>Top sucker</u> /0/1
45-49	95-99	145-149	<u>Stickleback</u> present
50-54	100-104	150-154	<u>Tanpaw</u> 0/1
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____
Other:			

Sta. # 39 Habitat Categories: RUN Length: 29'
 Width: 12' Depth (M&R): ∇ = 0.4 → 1.0 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 48 as _____ %Deciduous 70
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 2(1) 0 0 2(1) Shocker Effectiveness: _____
 1+/2+: 0(1) 0 0 0(1) 73, 57, 63
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	SL
25-29	75-79	125-129	Other Species: _____
30-34	80-84	130-134	<u>Prickly Sculpin</u>
35-39	85-89	135-139	<u>CR sculpin</u>
40-44	90-94	140-144	_____
45-49	95-99	145-149	_____
50-54	100-104	150-154	_____
55-59	105-109	155-159	_____
60-64	110-114	160-164	_____
65-69	115-119	165-169	_____
70-74	120-124	170-174	_____

63°F @ 1425

Date Sept 18, 2009 Stream Sageval 9 Brand Site 13a

Sta. # 40 Habitat Categories: Pool Length: 44'
 Width: 13' Depth (M&R): $\bar{x} = 1.1 \rightarrow 1.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ²⁵ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 5' as 3 boulders, 2' LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 54 as _____ %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 9(4) 4(1) 0 14.1(5.1) Shocker Effectiveness:
 1+/2+: 2(7) 0(3) 0 2(10.8) 100, 95, 92
 COHO : _____

V 37.04945 W 121.92752 TR, LT to Med

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	CR Sculpin present
35-39	85-89	135-139	Pickled Sculpin present
40-44	90-94	140-144	Yellow-legged sub-adult
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	Shrike-back present
Other:			

Sta. # 41 Habitat Categories: riffle Length: 46'
 Width: 10' Depth (M&R): $\bar{x} = 0.3 \rightarrow 0.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ¹⁰ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 10

Total Escape Cover: 2' as cobble
 Total Overhead Cover: _____ as _____

% Canopy Closure: 58 as BL Maple, willow, redwood %Deciduous 60
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 8(4) 4(2) 1(0) 14.4(6.7) Shocker Effectiveness:
 1+/2+: 1(5) 0(2) 0(1) 1(9.6) 114, 114, 89
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	sub-adults
35-39	85-89	135-139	Yellow-legged legs II, I you
40-44	90-94	140-144	CA giant Salamander
45-49	95-99	145-149	COAST RANGE Sculpin present
50-54	100-104	150-154	Pickled Sculpin present
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 13a
 Stream Name Soyue | E Brand Date Sept 18, '09

Pass No.	Species	Length (mm)			Weight (gm)			Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)			Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL	F.L.									SL	FL	TL	F.L. mm								
#38 Pool 1	STH	1	2	2	1	3	4					cont	STH	1	2	9	1	4	1						
					1	3	6	1	5	1	TR			H-mod					6	1	6	8			
					6	7		7	3										7	5	8	3			
					5	9		6	4										7	4	8	2			
					7	0		7	6										8	3	9	2			
					8	2		9	1										8	8	9	7			
					8	8		9	8										9	3	1	0	3		
					7	8		8	6										5	4	6	0			
					7	9		8	7							2	STH	8	6	8	8				
					6	1		6	7										7	3	8	0			
					6	7		7	5										8	3	9	2			
					7	6		8	4										7	5	8	3			
					8	2		9	0							3	STH								
					8	3		9	3							1	STH	8	3	9	3				
					7	1		7	8										8	0	8	8			#41 RIFLE
			6	6		7	2								6	8	7	5							
			6	3		6	9								7	6	8	4							
			7	2		8	0								1	0	1	1							
			6	7		7	5								6	0	6	6							
2	STH	5	8		6	5									8	0	8	8							
			6	1		6	7								6	8	7	6							
			7	2		8	0								7	2	8	0							
			7	2		8	0					2	STH	6	3	7	0								
3	STH	8	0		8	9									7	7	8	6							
			7	2		8	0								6	0	6	7							
#39 Pool 1	STH	7	9		8	7									7	9	8	7							
			7	2		8	0					3	STH	7	9	8	8								
2	STH																								
3	STH																								
#40 Pool 1	STH	1	0	7	1	1	8																		
			8	5		9	7																		
			6	3		7	0																		

Date 21 Sep 09 Stream E. Br. Soquel Site 16

Sta. # 28 Habitat Categories: 2-step pool Length: 49'
 Width: 12' Depth (M&R): 1.1 → 1.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 3.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as _____ %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 17(17) 11(11) 0 333(333) Shocker Effectiveness: _____
 1+/2+: 9(9) 3(3) 0 12.6(12.6) 146, 122
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	Lamprey 1/0/1
45-49	95-99	145-149	YoY %L. Frog 1/0/0
50-54	100-104	150-154	Cal. Giant Salam. 0/0/1
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

TEMP @ 11:34
 Air - 60°F
 H₂O - 58°F

Sta. # 34 Habitat Categories: root-wad pool Length: 27'
 Width: 10' Depth (M&R): 1.0 → 1.4' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 4' as undercut banks
 Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 20(21) 5(5) 1(1) 26.5(27.4) Shocker Effectiveness: _____
 1+/2+: 5(5) 0 0 5(5) 91, 94, 95
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	Lamprey 1/0/
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

SHT w/ light trematodes

Date 21 Sept 09 Stream E. Branch Soquel Site 16

Sta. # 35 Habitat Categories: riffle Length: 11'
 Width: 4 Depth (M&R): X = 0.3 → 0.5 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 10 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 45

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 3(3) 0 0 3(3) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 35, 39, 29
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 36 Habitat Categories: Step-run Length: 70'
 Width: 13 Depth (M&R): X = 0.6 → 0.9 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 15 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 0.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 68 as willow, alder, blm, doug. fir, Madrone^{R2wd} %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 67(67) 14(14) 2(2) 84.0(84) Shocker Effectiveness: _____
 1+/2+: 3(3) 0 0 3(3) 364, 297, 205
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Y.L. Frog Lar 1/1/1
Cat G. ant Salam 1/0/1

Electrofishing Data Sheet

Project No. ZOO-07 Site No. 16
 Stream Name E. Br. Soque Date 21 Sept 09

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	TL							FL	TL	FL	TL					
1	STH	4	2		4	7					1	STH	4	2		4	7				
		4	2		4	7							4	1		4	6				
2	STH	5	3		5	9							4	0		4	5				
		4	9		5	5							7	7		8	6				
		3	2		3	6							4	1		4	6				
		4	1		4	5							6	3		6	9				
		3	3		3	7							3	7		4	1				
		4	6		5	2							5	2		5	8				
3	STH	4	6		5	2							3	6		4	0				
1	STH	4	3		4	7							3	7		4	1				
		5	2		5	7							4	5		5	0				
		5	3		5	9							4	5		5	0				
		2	STH	4	3		4	7					5	2		5	0				
2	STH	4	3		4	7							8	0		8	0				
		3	STH	4	3		4	7					4	9		5	4				
1	STH	3	4		6	0							4	9		5	4				
		6	0		6	6							4	5		5	0				
		3	6		4	0							4	5		5	0				
		3	6		4	0							5	5		6	1				
		3	8		4	2							4	3		4	7				
		5	4		6	0							3	5		3	9				
		5	6		6	2							5	1		5	6				
		3	8		4	2							5	6		6	1				
		5	3		5	9							3	3		3	7				
		6	2		6	0							5	2		5	8				
		5	2		5	0							5	8		6	4				
		4	5		5	0							4	7		5	2				
		4	5		5	0							4	7		5	2				
		5	6		6	2							3	5		3	9				
		3	9		4	3							5	2		5	8				
		9	5	1	10	3							3	9		4	4				
		5	4		6	0							4	6		5	0				
		5	5		6	1							4	7		5	3				
		4	5		5	0							5	2		5	8				

Cont
34 pool

35 table

36 step

Cont
36 step

X

Electrofishing Data Sheet

Project No. 200-07 Site No. 16
 Stream Name E Br Saque Date 21 Sept 04

Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)						
		SL	FL TL	FL (mm)							SL	FL TL	F.L. (mm)										
1	STH		5 2	5 00					2	STH		4 1	4 5										
			3 6	4 0							3	STH		6 1	6 7								
			4 2	4 7												3 6	4 0						
			4 8	5 3																			
			5 2	5 00																			
			5 2	5 00																			
			4 6	5 1																			
			3 7	4 2																			
			4 0	4 5																			
			5 6	6 1																			
			3 5	3 9																			
			4 7	5 3																			
			5 5	6 1																			
			4 6	5 2																			
			4 1	4 5																			
	4 5	5 0																					
	4 0	4 4																					
	3 4	3 8																					
	3 6	4 0																					
2	STH		4 1	4 6																			
			5 0	5 6																			
			4 7	5 3																			
			4 1	4 5																			
			5 1	5 7																			
			5 3	5 9																			
			3 6	4 0																			
			6 2	6 8																			
			4 7	5 2																			
			4 3	4 8																			
	4 6	5 1																					
	4 1	4 6																					
	3 4	3 8																					

36
Step
run

36
Step
run

Date Sept 17, 09 Stream Sagehen W. Branch Site 19

Sta. # 17 Habitat Categories: RVN Length: 18'
 Width: 20' Depth (M&R): X=0.5 → 0.9 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 30

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as Redwood, Bl Maple, Bay %Deciduous 30
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

62°F @ 1330

Fish#: SHT YY: 11(6) 0 0 11(9) Shocker Effectiveness: _____
 1+/2+: 0(3) 0 0 0(2) 89, 69, 67
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		CR Sculpin III
35-39	85-89		
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta. # 18 Habitat Categories: Riffle Length: 52'
 Width: 13 Depth (M&R): X=0.5 → 0.7 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 15

Total Escape Cover: 2.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 58 as Willow, Bridge, Bl Maple, Redwood %Deciduous 30
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 29(21) 10(9) 2(1) 42.7(3.3) Shocker Effectiveness: _____
 1+/2+: 0(8) 0(1) 0(1) 0(10.0) 200, 149, 171
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	SL	
30-34	80-84		CR Sculpin III/I/II
35-39	85-89		Stickleback present
40-44	90-94		
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		

Date Sept. 17, 09 Stream Sogwal W. Branch Site 19

Sta. # 19 Habitat Categories: Pool Length: 193'
 Width: 19 Depth (M&R): X = 1.0 → 2.0 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 8' as LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as _____ %Deciduous 80

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: 26(18) 6(5) 7(2) 8(8) 47(34) 12(25)
 1+/2+: 11(19) 1(2) 0(4) 0 Shocker Effectiveness: 465, 445, 460, 416
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	SL
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Other Species: Prickly sculpin III/
Juv Suckers III/III/II
Sturgeon II/II/II
Stickleback Present

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	SL
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Other Species: _____

Electrofishing Data Sheet

Page 1 of 1

Project No. 200-07 Site No. 19
 Stream Name W Branch Soguel Date Sept 17, 01

Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)			
		SL	FL TL	F.L.	F.L.							SL	FL TL	F.L.	F.L.							
#17 P.L.	STH	78	87					✓		Cont	STH	58	64									
		69	76									53	59									
		60	66									63	70									
		81	91									72	80									
		70	77									67	73									
		68	75									88	76									
		65	72									60	66									
		63	70									80	88									
		58	64									55	61									
		67	73									57	64									
		46	51									2	STH	62	67							
		2	STH	0										60	66							
		3	STH	0										70	77							
#18 P.L.	1 STH	92	102								1 STH	60	66									
		91	99							67		73										
		58	65							64		71										
		84	93							75		83										
		65	71							58		64										
		60	66							58		64										
		82	91							64		71										
		75	83							3		STH	80	88								
		59	65									60	66									
		68	74							1		STH	105	116								
		66	73									98	109									
		75	83									58	64									
		60	66									127	140									
		79	86									71	80									
		53	60									97	106									
		52	57									146	159									
		67	73									113	123									
65	72								140	156												
68	74								110	122												

#19
P.O.L.

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-7 Site No. 19
 Stream Name Soguel w Branch Date Sept 17, 09

* 19 Pool Cont *

Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)				
		SL	FL TL	FL	TL							FL	TL	FL	TL								
1	STH		83		92					2	STH		63		67								
			81		90										67		73						
		1	12	1	26								3	STH		79		87					
			78		86											61		67					
			71		79											67		73					
			88		97											85		93					
			76		84											76		84					
			70		77											67		74					
			92	1	02											77		84					
			67		75									4	STH		68		74				
			99	1	09											74		81					
			98	1	07											71		89					
			73		81											67		74					
			64		71											57		63					
			71		78											62		68					
			68		75											69		76					
			82		91											65		72					
			65		72																		
			75		83																		
	61		67																				
	59		65																				
	67		74																				
	69		76																				
	61		67																				
	67		73																				
	56		62																				
	54		61																				
2	STH	1	16	1	28																		
			71		79																		
			61		67																		
			83		91																		
	61		67																				

Date Sept 18, 09 Stream Soguel W. Brand Site 21

Sta.# 2 Habitat Categories: Riffle Length: 0'
Width: 6 Depth (M&R): X=0.3 → 0.5' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁵ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: 1(1) 0 0 1(1) Shocker Effectiveness: _____
1+/2+: 0 0 0 0 30, 22, 26
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 75-79 125-129 Other Species: _____
30-34 80-84 130-134 CA GIANT 1/1/8
35-39 85-89 135-139 _____
40-44 90-94 140-144 _____
45-49 95-99 145-149 _____
50-54 100-104 150-154 _____
55-59 105-109 155-159 _____
60-64 110-114 160-164 _____
65-69 115-119 165-169 _____
70-74 120-124 170-174 _____
Other: _____

Sta.# 3 Habitat Categories: pool Length: 113'
Width: 13 Depth (M&R): X=1.7 → 4' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁵⁰ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 1 as boulder
Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as _____ %Deciduous 10
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: 28(25) 13(13) 6(6) 52.2(50.5) Shocker Effectiveness: _____
1+/2+: 4(7) 3(3) 2(2) 11(13.6) 359, 320, 307
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 75-79 125-129 Other Species: _____
30-34 80-84 130-134 CA GIANT
35-39 85-89 135-139 _____
40-44 90-94 140-144 _____
45-49 95-99 145-149 _____
50-54 100-104 150-154 _____
55-59 105-109 155-159 _____
60-64 110-114 160-164 _____
65-69 115-119 165-169 _____
70-74 120-124 170-174 _____

N 37.07 057
6107 1620
W 121.95020

Date Sept 18, 09 Stream Soguel W. Blvd Site 21

Sta. # 4 Habitat Categories: Step Run Length: 20'
 Width: 8 Depth (M&R): $\bar{x} = 0.7 \rightarrow 1.8$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 3 as 1' boulder, 2' bedrock ledges
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 9(9) 0 0 9(9) Shocker Effectiveness: _____
 1+2+: 1(1) 0 0 1(1) 94, 53, 62
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29	Ø	Ø	75-79	Ø	Ø	125-129	Other Species:
30-34			80-84			130-134	<u>CA GIANT ADULT (spots)</u>
35-39			85-89			135-139	
40-44			90-94			140-144	
45-49			95-99	1		145-149	
50-54	1		100-104			150-154	
55-59			105-109			155-159	
60-64			110-114			160-164	
65-69			115-119			165-169	
70-74			120-124			170-174	
Other:							

Sta. # 5 Habitat Categories: Pool Length: 91'
 Width: 13' Depth (M&R): $\bar{x} = 1.3 \rightarrow 2.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 5 as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 86 as _____ %Deciduous 15
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 31(29) 13(12) 7(7) 55.9(52.8) Shocker Effectiveness: _____
 1+2+: 1(2) 9(1) 0 1(3.3) 255, 225, 239
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29			75-79			125-129	Other Species:
30-34			80-84			130-134	<u>CA Giant Salamander</u>
35-39			85-89			135-139	
40-44			90-94			140-144	
45-49			95-99	1		145-149	
50-54			100-104			150-154	
55-59			105-109			155-159	
60-64			110-114			160-164	
65-69			115-119			165-169	
70-74			120-124			170-174	

CA Salamander

Electrofishing Data Sheet

Project No. 200-07 Site No. 21
 Stream Name Soyak We. Branch Date 18 Sep 09

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL mm							FL mm							
#2 Puff 1	STH		60		66					cont	STH	53		59					
2	STH		0								STH	54		60					
3	STH		0								STH	51		57					
#3 Pool 1	STH	1	54	1	68					2	STH	1	30	1	43				
			71		79								93	1	03				
			98	1	08								63		70				
			53		59								98	1	09				
			61		68								62		69				
			87		97								59		65				
			94	1	04								62		68				
			56		62								52		57				
			70		77								57		63				
			52		58								60		66				
			60		66								60		66				
			66		73								69		76				
			61		67								50		56				
			74		82								57		63				
			61		67								45		50				
			75		83								52		57				
			57		62					3	STH	1	17	1	28				
			66		73								95	1	05				
			62		68								65		71				
			98	1	08								48		53				
			58		64								63		69				
			57		63								55		61				
			50		56								54		60				
			71		78								60		66				
			61		67					1	STH		98	1	08				
			63		69								70		77				
			75		82								63		70				
			67		73								72		80				
			71		78								56		62				

#4 step run

Electrofishing Data Sheet

Project No. 200-07 Site No. 21
 Stream Name Sagehen W. Branch Date Sept 18, 09

#4 step
 #5 pool

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	F.L.	F.L.							SL	FL	TL	F.L.	F.L.				
cont	STH	58			63				✓		cont	STH	52			57					
		51			57								66			72					
		56			62								56			63					
		72			80								66			73					
2	STH	8											52			58					
3	STH	0									2	STH	58			64					
1	STH	86			95								82			91					
		53			59								63			69					
		73			80								61			67					
		72			80								63			69					
		66			73								61			67					
		68			75								63			69					
		54			60								55			60					
		65			72								58			64					
		59			65								72			79					
		62			68								70			77					
		63			70								69			76					
		58			64								57			63					
		71			78						3	STH	68			75					
		69			76								60			66					
		73			81								57			63					
		78			87								71			77					
		68			75								59			64					
		98	1		107								57			63					
		68			75								67			74					
		52			57																
		68			75																
		72			80																
		60			66																
		69			76																
		70			77																
		52			57																

Date Sept 22, 09 Stream Aptos Site 3

Sta. # 26 Habitat Categories: Riffle Length: 36
 Width: 11' Depth (M&R): $\bar{x} = 0.2 \rightarrow 0.4$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(1) 1st Pass 0 2nd Pass 0 3rd Pass 1(1) Shocker Effectiveness: _____
 1+ / 2+: 0 0 0 0 191, 168, 138
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	Coast Range present
35-39	85-89	135-139	Shrikeback present
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

N 36.97682 W 121.90385
57° F @ 940

Sta. # 27 Habitat Categories: Pool Length: 168'
 Width: 16' Depth (M&R): $\bar{x} = 1.2 \rightarrow 2.5$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 50 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 27.5' as 17' bedrock ledges, 9' undercut bank, 1.5' SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 58 as Alder, Redwood, Willow, Cottonwood %Deciduous 70
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 2(2) 1st Pass 1(1) 2nd Pass 0 3rd Pass 3,3(3,3) Shocker Effectiveness: _____
 1+ / 2+: 12(12) 0 0 12(12) 529, 441, 416
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	CR Sculpin
35-39	85-89	135-139	Prickly Sculpin
40-44	90-94	140-144	Shrikeback present
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

TR Nons to mediana tr.

Date Sept 22, 09 Stream Aptos Site 3

Sta. # 44 Habitat Categories: RUN Length: 48'
 Width: 20 Depth (M&R): X=0.4 → 0.7 Tail Crest Depth: 25

Substrate: 1(Org.) 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm)
 3(25-50mm) 4(50-75mm) 5(75-150mm) 6(150-225mm) 7(225-300)
 8(300-600mm) 9(>600mm) 9.1(Bedrock) %Embeddedness 6+: 35

Total Escape Cover: 2' as 1' undercut bank, 1' SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as BLM ALDER, Cottonwood, willow %Deciduous 100
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 2(2) 2(2) 0 4(4) Shocker Effectiveness: _____
 1+/2+: 1(1) 0 0 1(1) 292, 235, 186
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	CR Sculpin P
35-39	85-89	135-139	pygmy sculpin P
40-44	90-94	140-144	skuteback P
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 3
 Stream Name Aptos Date Sept. 22, 09

26
Pool

27
Pool

44
Run

Pass No.	Species	Length (mm)		Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL								TL	SL	FL					
1	STH	6	2	68														
2	STH		0															
3	STH		0															
1	STH	12	3	134														
		12	7	138														
		14	6	161														
		7	15	127														
		12	3	136														
		15	8	177														
		12	8	141														
		10	2	112														
		9	9	108														
		5	6	61														
		11	9	131														
		10	4	115														
		6	9	76														
		10	6	117														
2	STH	4	7	53														
3	STH		0															
1	STH	11	8	131														
		6	7	73														
		5	1	57														
2	STH	5	2	52														
		5	5	71														
3	STH		0															

a.c. D.A.

Date Sept 22, 09 Stream Aptds (ENW) Site 4

Sta. # 34 Habitat Categories: RUN Length: 31'
Width: 13 Depth (M&R): X=0.4 → 0.7 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

58°F @
1345h

% Canopy Closure: 76 as _____ %Deciduous 25
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: 0 0 0 Shocker Effectiveness: _____
1+ / 2+: 0 0 0 97, 92, 105
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>sculpin (spp?)</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 35 Habitat Categories: POOL Length: 133'
Width: 16 Depth (M&R): X=1.1 → 2.3 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 14' as 12' boulders, 2' SWD
Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 25
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: 3(0) 2(0) 0 5(0) Shocker Effectiveness: _____
1+ / 2+: 6(9) 0(2) 0 6(11.3) 382, 342, 312
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>CR sculpin</u>
35-39	85-89	135-139	<u>stickleback</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 22, 09 Stream Aptos Site 4

Sta. # 36 Habitat Categories: Riffle Length: 52'
 Width: 14' Depth (M&R): $\bar{x} = 0.5 \rightarrow 0.8$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: 4.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as alder blm redwood etc. %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 2(0) 0(0) 0(0) 2(0) Shocker Effectiveness: _____
 1+/2+: 0(2) 1(1) 0 1(3.3) 147, 171, 167
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Coast Range Sculpin</u>
35-39	85-89	135-139	<u>Prickly sculpin</u>
40-44	90-94	140-144	<u>stickleback</u>
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 37 Habitat Categories: pool Length: 97'
 Width: 15' Depth (M&R): $\bar{x} = 1.3 \rightarrow 2.3$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: SS

Total Escape Cover: 16' as 14' LWD, 2' bedrock ledges
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as _____ %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 4(0) 1(0) 0 5.1(0) Shocker Effectiveness: _____
 1+/2+: 4(8) 1(2) 0 5.1(10.3) 308, 275, 212
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Prickly Sculpin</u>
35-39	85-89	135-139	<u>OR sculpin</u>
40-44	90-94	140-144	<u>stickleback</u>
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 4
 Stream Name Aptos Date 22 Sep 09

#34
run

#35
run

#36
run

#37
run

Pass No.	Species	Length (mm)			Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	F.L.	FL							WT	SL	FL	TL	FL					WT
1	STH			∅																		
2	STH			∅																		
3	STH			∅																		
1	STH	126	142																			
		102	113																			
		113	126																			
		80	89																			
		128	143																			
		109	121																			
		96	106																			
		92	101																			
		79	86																			
2	STH	78	85																			
		86	94																			
3	STH	∅																				
1	STH	90	98																			
		93	102																			
2	STH	106	116																			
3	STH	∅																				
1	STH	108	119																			
		118	130																			
		93	102																			
		122	133																			
		109	119																			
		83	93																			
		78	86																			
		86	94																			
2	STH	86	95																			
		110	122																			
3	STH	∅																				

Date Sept 23-09 Stream Valencia CK Site # 2

Sta. # 32 Habitat Categories: Pool Length: 87'
Width: 9 Depth (M&R): 8 = 0.6 → 1.6 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____, (5-25mm) _____
3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 60

Total Escape Cover: 13.5' as 10' undercut banks, 1.5'SWD, 2'LWD
Total Overhead Cover: _____ as _____

@1017
Temp
H₂O
58°F

% Canopy Closure: 84 as Rdwd, B.L.M. %Deciduous 20

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 5(5) 1(1) 0 6.1(6.1) Shocker Effectiveness:
1+1/2+: 9(9) 3(3) 0 12.6(12.6) 83, 147, 132
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 33 Habitat Categories: riffle Length: 11'
Width: 5' Depth (M&R): X = 0.1 → 0.15 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____, (5-25mm) _____
3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 0 0 0 0 Shocker Effectiveness:
1+1/2+: 0 0 0 0 14, 10
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date 23 Sept 09 Stream Valencia Site 2

Sta. # 34 Habitat Categories: Pool Length: 40'
 Width: 9 Depth (M&R): X=0.6 → 1.4' Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 80 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 4' as: LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as Ivy, Redwood, BLM Alder, Tan Oak %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>4(4)</u>	<u>0</u>	<u>0</u>	<u>4(4)</u>
COHO	1+/2+:	<u>7(7)</u>	<u>0</u>	<u>0</u>	<u>82, 84, 84</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84\	130-134	
35-39	85-89\	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Sta. # 35 Habitat Categories: riffle Length: 20'
 Width: 8 Depth (M&R): X=0.1 → 0.25 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
COHO	1+/2+:	<u>0</u>	<u>0</u>	<u>0</u>	<u>53, 54, 54</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date 23 Sept 09 Stream Valencia Site 2

Sta. # 36 Habitat Categories: Pool Length: 61'
 Width: 12 Depth (M&R): x=0.6 → 1.4' Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 80 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 50

Total Escape Cover: 19.5' as 13.5' LWD, 1' undercut banks
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as _____ %Deciduous 35
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 5(5) 2(2) 0 7.5(7.5) Shocker Effectiveness: _____
 1+/2+: 12(12) 4(4) 3(3) 20.4(20.4) 18, 240, 210
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	S.L. SHT w/ \emptyset Trematodes
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 40 Habitat Categories: run (partial) Length: 47'
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) 95 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225+300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: NA

Total Escape Cover: 6.5' as 4' undercut bank, 2' log wood, 0.5' boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as tanoak, Redw. b.l.m., alder %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 5(5) 0 1(1) 0 Shocker Effectiveness: _____
 1+/2+: 3(3) 0 1(1) 0 6(6) 4(4) 127, 102, 99, 94
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	S.L.
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Page 1 of 2

Project No. 200-07 Site No. #2
 Stream Name Valencia CK Date Sept 23-09

#32 Pool

#36 Pool

#33 Riffle

#34 Pool

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	FL	TL							SL	FL	TL	FL	TL					
1	STH	1	0	8	1	1	8				2	STH										
			7	0		7	8				3	STH										
		1	1	2	1	2	2				1	STH										
			9	2	1	0	2				2	STH										
		1	0	0	1	1	0				3	STH										
			8	1		9	0				1	STH	1	4	5	1	6	1				
			9	2	1	0	1						1	0	0	1	1	0				
			9	4	1	0	4						1	1	7	1	2	8				
			9	0	1	0	0						8	5		9	4					
			5	9		6	5						8	4		9	3					
			4	5		5	0						6	2		6	8					
			5	0		5	6						8	1		9	0					
			7	3		8	1						8	8		9	8					
			7	7		8	6						8	7		9	5					
2	STH	1	2	4	1	3	7						8	7		9	4					
			8	7		9	7						8	6		9	4					
			8	2		9	0						6	4		7	1					
			7	3		8	2						1	0	9	1	2	2				
3	STH												4	8		5	4					
1	STH												5	7		6	3					
2	STH												5	6		6	2					
1	STH		8	8		9	7						7	3		8	2					
			8	4		9	1						8	3		9	1					
			7	9		8	7						2	STH	1	1	0	1	2	1		
			7	5		8	3						9	5	1	0	4					
		1	3	7	1	4	9						9	3	1	0	2					
			9	8	1	0	8						5	7		6	3					
			5	5		6	1						8	7		9	5					
			9	7	1	0	7						6	8		7	4					
			6	4		7	1						3	STH	9	3	1	0	2			
			6	4		7	0						8	0		9	0					
			5	5		6	1						1	0	5	1	1	6				

a.c. D.A.

Electrofishing Data Sheet

Project No. 200-07

Site No. #2

Stream Name Valencia CK

Date Sept 23-09

40
run

Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL								SL	FL	TL							
1	STH	85			93																
		62			68																
		79			88																
		63			69																
		56			62																
		82			91																
		52			58																
		64			70																
2	STH	0																			
3	STH	80			88																
		53			59																
4	STH	0																			

Date Sept 23-09 Stream Valencia ck Site #3

Sta. # 18 Habitat Categories: Run Length: 20'
Width: 7 Depth (M&R): X=0.3 → 0.5 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: 1(1) 0 0 1(1) Shocker Effectiveness: _____
1+/2+: 0 0 0 0 36, 35, 28
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: SL

25-29	0	0	0	0	0	0	Other Species: _____
30-34							<u>none</u>
35-39							_____
40-44							_____
45-49							_____
50-54							_____
55-59							_____
60-64							_____
65-69							_____
70-74							_____
Other:							_____

Sta. # 19 Habitat Categories: Riffle Length: 18'
Width: 7 Depth (M&R): X=0.1 → 0.2 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: 86 as _____ %Deciduous 90
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: SHT YY: 0 0 1(1) 1(1) Shocker Effectiveness: _____
1+/2+: 0 0 0 0 33, 27, 31
COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: SL

25-29	0	0	0	0	0	0	Other Species: _____
30-34							<u>none</u>
35-39							_____
40-44							_____
45-49							_____
50-54							_____
55-59							_____
60-64							_____
65-69							_____
70-74							_____

Date Sept 23-09 Stream Valencia Ct Site #3

Sta.# 20 Habitat Categories: Pool Length: 64'
Width: 10 Depth (M&R): X = 0.65 → 1.4 Tail Crest Depth: 80

Substrate: 1(Org.) ___ 1.1(silt) ← 1.2(<2mm) → 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 6.5' as 4.5' LWD, 2' undercut bank
Total Overhead Cover: ___ as ___

% Canopy Closure: 78 as ___ %Deciduous 80
Algae (%cover, thickness, dist.): ___
Aquatic Vegetation (types, %cover, dist.): ___
Food Rating(I): ___

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 3(3) 1(1) 0 4.2(4.2) Shocker Effectiveness: ___
1+2+: 10(10) 3(3) 0 13.5(13.5) 125, 149, 166
COHO : ___

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	Other Species:
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 21 Habitat Categories: riffle Length: 6'
Width: 15 Depth (M&R): X = 0.1 → 0.3 Tail Crest Depth: ___

Substrate: 1(Org.) ___ 1.1(silt) ← 1.2(<2mm) → 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 15

Total Escape Cover: 0.5 as ___
Total Overhead Cover: ___ as ___

% Canopy Closure: ___ as ___ %Deciduous ___
Algae (%cover, thickness, dist.): ___
Aquatic Vegetation (types, %cover, dist.): ___
Food Rating(I): ___

Fish#: 1st Pass 2nd Pass 3rd Pass
SHT YY: 0 0 0 0 Shocker Effectiveness: ___
1+2+: 1(1) 0 0 1(1) 39, 25, 25
COHO : ___

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	Other Species:
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date Sept 23-09 Stream Vaknia Site 3

Sta. # 21 Habitat Categories: Pool Length: 40'
 Width: 10 Depth (M&R): X = 1.1 → 1.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 12' as LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 80
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 3(3) 1(1) 0 4.2(4.2) Shocker Effectiveness: _____
 1+/2+: 9(9) 2(2) 0 11.3(11.3) 125, 89, 115
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	125-129	<u>none</u>
30-34	130-134	
35-39	135-139	
40-44	140-144	
45-49	145-149	
50-54	150-154	
55-59	155-159	
60-64	160-164	
65-69	165-169	
70-74	170-174	
Other:		

Sta. # 23 Habitat Categories: riffle Length: 18'
 Width: 6 Depth (M&R): X = 0.15 → 0.4 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 0 0 0 0 Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 31, 45, 32
 COHO : _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	125-129	<u>none</u>
30-34	130-134	
35-39	135-139	
40-44	140-144	
45-49	145-149	
50-54	150-154	
55-59	155-159	
60-64	160-164	
65-69	165-169	
70-74	170-174	
Other:		

Date Sept 23-09 Stream Valencia Site 3

Sta. # 24 Habitat Categories: Pool Length: 51
 Width: 11 Depth (M&R): X=1.2 → 2.2 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm), (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 55

Total Escape Cover: 12.5' as 5.5' rootmass, 6' LWD, 1' SWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass more area back under
 SHT YY: 4(4) 1(1) 0 51(5.1) Shocker Effectiveness: _____
 1+/2+: 5(5) 2(2) 2(2) 11(11) 139, 147, 113
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Page 1 of 1

Project No. 200-7

Site No. #3

Stream Name Valencia Ck

Date Sept 23-02

	Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)		Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	
			SL	FL	TL									SL	FL	TL						
#18 Row	1	STH	5	1		57								9	0	1	0	0				
	2	STH	0											11	3	1	2	4				
	3	STH	0											7	9	8	7					
#19 riffle	1	STH	0											6	2	6	8					
	2	STH	0											9	1	1	0	0				
	3		6	4		70								5	7	6	3					
#20 Pool	1	STH	12	8		140								5	8	6	4					
			10	3		112						2	STH	9	4	1	0	4				
			8	7		96								8	3	9	1					
			10	8		118								5	8	6	4					
			8	2		91						3	STH	0								
			8	5		94								1	STH	0						
			9	0		98								2	STH	0						
			6	8		75								3	STH	0						
			7	9		87								1	STH	9	0	1	0	8		
			5	3		59									6	3	6	9				
			8	0		88								1	0	2	1	1	2			
			7	8		86								6	8	7	4					
			6	8		74								6	8	7	4					
	2	STH	10	8		118								6	5	7	2					
			8	9		98								1	1	6	1	2	8			
			5	8		65								8	4	9	2					
			9	2		101								1	1	2	1	2	3			
	3	STH	0			0								2	STH	5	4	6	0			
#21 riffle	1	STH	10	3		113									9	2	1	0	1			
	2	STH	0												8	7	9	5				
	3	STH	0											3	STH	9	6	1	0	5		
#22 pool	1	STH	8	9		98									1	0	8	1	1	9		
			9	2		101																
			1	1		9	1	3	1													
			1	0		7	1	1	8													
			8	2		9	1															

Q.C. : P.A. :

Date Sept 24, 09 Stream Corralitas Site 1 (below dam)
 (labeled Site 0 in 200)

Sta. # 24 Habitat Categories: Riffle Length: 29'
 Width: 10 Depth (M&R): X = 0.5 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 68 as Alder, Redwood, Cottonwood, Blackberry, MAK & Deciduous 90
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

58°F @ 10/15

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 5(2) 1(0) 0(0) 1(3.3) Shocker Effectiveness: _____
 1+/2+: 1(4) 0 0 1(4) 104, 74, 69
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29	0	75-79	1 0	0	125-129	
30-34		80-84			130-134	Other Species: ? CR Sculpin present
35-39		85-89	1		135-139	
40-44		90-94			140-144	
45-49		95-99	1		145-149	
50-54		100-104			150-154	
55-59		105-109			155-159	
60-64	1	110-114			160-164	
65-69	1 1	115-119			165-169	
70-74		120-124			170-174	

Other: _____

Sta. # 25 Habitat Categories: Pool Length: 72'
 Width: 18' Depth (M&R): X = 0.9 → 1.5 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) 70 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 7' as 5' LWD, 2' root mass
 Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as _____ %Deciduous 80
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 17(11) 8(7) 2(2) 29.5(2.8) Shocker Effectiveness: _____
 1+/2+: 8(14) 0(1) 0 8(5) 225, 212, 197
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29		75-79	1 1	1	125-129	Other Species: CR Sculpin present
30-34		80-84	1 1		130-134	Langray 8/1/0
35-39		85-89	1 1		135-139	Juv. sculpin 8/1/0
40-44		90-94			140-144	Speckling sculpin present
45-49		95-99	1 1 1		145-149	
50-54		100-104	1		150-154	
55-59	1	105-109	1 1		155-159	
60-64	1 1 1	110-114			160-164	
65-69	1 1 1	115-119			165-169	
70-74	1 1 1	120-124			170-174	

TR Light

Date Sept 29, 09 Stream Corralitas Site 1

Sta. # 26 Habitat Categories: run (partial) Length: 77'
 Width: 19 Depth (M&R): X=0.6 → 1.0 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as _____ %Deciduous 90
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>12(9)</u>	<u>2(1)</u>	<u>1(1)</u>	<u>198, 184, 152</u>
1+/2+:	<u>2(5)</u>	<u>2(1)</u>	<u>0</u>	<u>2(6.1)</u>
COHO :	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84		<u>CR Sculpin</u>
35-39	85-89		<u>? Riffle Sculpin (Normal Runs)</u>
40-44	90-94		<u>Peckham Sculpin</u>
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		
Other:			

Sta. # 32 Habitat Categories: pool Length: 41'
 Width: 8 Depth (M&R): X=1.2 → 1.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 32 as BL Maple, Redwood, Alder, willow, cottonwood & Deciduous 80
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT YY:	<u>5(4)</u>	<u>2(2)</u>	<u>0</u>	<u>95, 78, 102</u>
1+/2+:	<u>4(5)</u>	<u>0</u>	<u>0</u>	<u>4(5)</u>
COHO :	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	<u>S.L.</u>	
30-34	80-84		<u>CR Sculpin</u>
35-39	85-89		<u>2 Riffle Sculpin (dark-tipped Rays)</u>
40-44	90-94		<u>Peckham Sculpin</u>
45-49	95-99		
50-54	100-104		
55-59	105-109		
60-64	110-114		
65-69	115-119		
70-74	120-124		

Date Sept 24, 2009 Stream Crescentos Site 3

Sta. # 9 Habitat Categories: Rvn Length: 45'
 Width: 24 Depth (M&R): X=0.55 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 35 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 50
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 4(3) 0 0 4(3) Shocker Effectiveness: _____
 1+/2+: 0(1) 0 0 0(1) 133, 140, 107
 COHO : _____

60°F @ 1335

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	OR, Sculpin present
35-39	85-89	135-139	Prickly Sculpin present
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 10 Habitat Categories: pool Length: 43'
 Width: 18 Depth (M&R): X=1.0 → 1.9 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 40 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 30

Total Escape Cover: 3' as 2' LWD, 1' boulder
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 7(6) 0 0 7(6) Shocker Effectiveness: _____
 1+/2+: 2(3) 0 0 2(3) 169, 131, 114
 COHO : _____

heavy stream bank

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	Prickly Sculpin
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 24, 2009 Stream Riffle Site 3

Sta.# 11 Habitat Categories: Riffle Length: 11'
 Width: 17' Depth (M&R): $\bar{x} = 0.2 \rightarrow 0.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 10

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>1(1)</u>	<u>0</u>	<u>0</u>	<u>1(1)</u>
	1+/2+:	<u>0</u>	<u>0</u>	<u>0</u>	<u>102, 58, 56</u>
COHO	:	_____	_____	_____	_____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Pacific Sculpin</u>
35-39	85-89	135-139	<u>LA Giant Salamander</u>
40-44	90-94	140-144	<u>CR Sculpin</u>
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 12 Habitat Categories: pool Length: 65'
 Width: 22' Depth (M&R): $\bar{x} = 1.2 \rightarrow 2.1$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 7' as LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as _____ %Deciduous 15
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#:	YY:	1st Pass	2nd Pass	3rd Pass	Shocker Effectiveness:
SHT		<u>7(2)</u>	<u>0</u>	<u>0</u>	<u>7(2)</u>
	1+/2+:	<u>2(7)</u>	<u>1(1)</u>	<u>0</u>	<u>33(8.1)</u>
COHO	:	_____	_____	_____	<u>240, 151, 204</u>

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Pacific Sculpin</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

heavy streamers

Date Sept. 24, 2009 Stream Corralitas Site 3

Sta. # 13 Habitat Categories: pool Length: 91'
 Width: 14' Depth (M&R): X=1.1 → 2.1 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 70

Total Escape Cover: 27' as undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 84 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 4(1) 1(1) 1(1) 63(3) Shocker Effectiveness: _____
 1+ / 2+: 4(7) 2(3) 0 8.0(10.8) 218, 239, 195
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>Prickly sculpin</u> <u>Lamprey 8/11/11</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:		176,	

Sta. # 14 Habitat Categories: Riffle Length: 13'
 Width: 2.5 Depth (M&R): X=0.3 → 0.4 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 5

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 0 1(0) 0 1(0) Shocker Effectiveness: _____
 1+ / 2+: 1(1) 0(1) 0 97, 86, 58
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>CA giant Salamander</u> <u>CR Sculpin</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 3
 Stream Name Cocumitas Date Sept 24, 09

Pass No.	Species	Length (mm)			Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	
		SL	FL	TL	FL	FL							FL	FL	FL							
#9 Pools	1	STH	97	107							1	STH	138	152							#13 Pool cont	
			68	74									128	142								
			68	75										118	120							
			63	69										67	75							
#10 pool	2	STH	Ø										116	118								
	3	STH	Ø										86	95								
	1	STH	115	127			tr - H -						92	102								
			100	101			heavy						95	105								
			117	128							2	STH	176	198								
			73	81									123	137								
			66	72									107	118								
			65	72									65	72								
			52	56							3	STH	56	63								
			72	80							1	STH	168	194								
#11 Pools			46	52						2	STH	75	83									
	2	STH	Ø							3	STH	Ø										
	3	STH	Ø																			
	1	STH	58	74																		
	2	STH	Ø																			
#12 pool	3	STH	Ø																			
	1	STH	103	113			heavy															
			143	158			hematode															
			115	129																		
			87	96																		
			90	100																		
			95	105																		
			83	92																		
			53	59																		
			62	68																		
2	STH	111	123																			
3	STH	Ø																				
1	STH																					

Date Sept 24, 09 Stream Coxcalitos Site 8

Sta. # 52 Habitat Categories: Pool Length: 99'
 Width: 19 Depth (M&R): $\bar{x} = 1.3 \rightarrow 1.9'$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ⁷⁰ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 7.5' as 6.5' boulders, 1' rootmass
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

55°F @ 11/5

Fish#: SHT YY: 35(32) 15(14) 3(3) 5.2(2.7) Shocker Effectiveness: _____
 1+ / 2+: 17(15) 1(2) 1(1) 16(18) 290, 273, 230
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	CR Sculpin
35-39	85-89	135-139	Pickled Sculpin
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 53 Habitat Categories: step run (partial) Length: 52'
 Width: 9' Depth (M&R): $\bar{x} = 0.55 \rightarrow 0.9$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ¹⁰ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 4' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 84 as _____ %Deciduous 15
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 8(8) 2(2) 0 10.3(10.3) Shocker Effectiveness: _____
 1+ / 2+: 3(3) 0 0 3(3) 163, 118, 124
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	Pickled Sculpin ? 2/11/10 (non pickled)
35-39	85-89	135-139	CR gnat 03/1/10
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 25, 09 Stream Corralitas Site 8

Sta.# 49 Habitat Categories: pool Length: 39'
 Width: 14 Depth (M&R): $\bar{x}=1.4 \rightarrow 2.0$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 60

Total Escape Cover: 9' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 90 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

55 @ 940

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 11(9) 1(1) 0 12(10.1) Shocker Effectiveness:
 1+ / 2+: 4(6) 2(2) 1(1) 8(9.4) 173, 166, 148
 COHO : _____

No Hexamuldox

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>PRickley Sculpin</u>
35-39	85-89	135-139	<u>CR Sculpin</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:		<u>200</u>	

Sta.# 50 Habitat Categories: pitfall (partial) Length: 15'
 Width: 12 Depth (M&R): $\bar{x}=0.2 \rightarrow 0.5$ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 35

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 1(1) 2(1) 0 3(2) Shocker Effectiveness:
 1+ / 2+: 0 0(1) 0 0(1) 46, 81, 62
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>CR Sculpin</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 8
 Stream Name Corralito Date Sept 25, 09

52 Pool

Pass No.	Species	Length (mm)		Length (mm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Weight (gm)		Scales	Stomach	Mort	Sex (m/f)			
		FL	TL	FL	TL							FL	TL	FL	TL							
1	STH	60		66						unt	STH	61		67								
		55		61								56		62								
		69		75								55		61								
		65		72								2	STH	57		62						
		63		69								3	STH	56		61						
2	STH	65		72																		
		68		75																		
		69		76																		
		87		95																		
		69		76																		
		66		73																		
		65		71																		
		56		62																		
		62		68																		
		67		73																		
		59		60																		
		73		80																		
		67		73																		
		52		57																		
		71		78																		
75		83																				
3	STH	100		110																		
		70		77																		
		64		72																		
1	STH	125		137																		
		65		72																		
		85		94																		
		63		69																		
		90		99																		
		50		56																		
		63		70																		

53 STH RM

Date Sept 25, 2009 Stream Coequalitas Site 9

Sta.# 49 Habitat Categories: step pool Length: 61'
 Width: 12' Depth (M&R): $\bar{x} = 1.1 \rightarrow 1.6'$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 25

Total Escape Cover: 8' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 66 as Redwood, Willow, Tamarak, Alder %Deciduous 15
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 33(33) 6(6) 2(2) 41.1(41.1) Shocker Effectiveness: _____
 1+/2+: 9(9) 2(2) 2(2) 135(135) 225, 173, 178
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	S.L. CA Grant Salamanders 11
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 50 Habitat Categories: Pool Length: 38'
 Width: 11' Depth (M&R): $\bar{x} = 1.1 \rightarrow 1.8$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) \swarrow 1.2(<2mm) \searrow 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 4.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 74 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 16(16) 2(2) 1(1) 19(19) Shocker Effectiveness: _____
 1+/2+: 5(5) 2(2) 0 75(7.5) 99, 77, 103
 COHO : _____

NO TRIM AT JONES

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	S.L. CA Grant Salamanders 11
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Date Sept 25, 09 Stream CORRALITOS Site 9

Sta. # 51 Habitat Categories: step run Length: 24'
 Width: 7' Depth (M&R): X=0.4 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: 5.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 92 as _____ %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 4(4) 2(2) 0 6.7(6.7) Shocker Effectiveness: _____
 1+2+: 1(1) 1(1) 0 2(2)
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29	Ø	75-79	Ø	125-129	Ø	Other Species:
30-34	Ø	80-84	Ø	130-134	Ø	<u>64, 44, 45</u>
35-39		85-89		135-139		
40-44		90-94		140-144		
45-49		95-99		145-149		
50-54		100-104		150-154		
55-59		105-109		155-159		
60-64		110-114		160-164		
65-69		115-119		165-169		
70-74		120-124		170-174		

Other: _____

Sta. # 52 Habitat Categories: step pool (partial) Length: 34'
 Width: 12' Depth (M&R): X=0.8 → 1.1 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ³⁰ ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 7' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 22(22) 5(5) 1(1) 28.4(28.4) Shocker Effectiveness: _____
 1+2+: 6(6) 3(3) 2(2) 13.2(13.2) 167, 130, 132
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

25-29		75-79		125-129	Ø	Other Species:
30-34		80-84		130-134	Ø	<u>SWIPIN prickly</u>
35-39		85-89		135-139		
40-44		90-94		140-144		
45-49		95-99		145-149		
50-54		100-104		150-154		
55-59		105-109		155-159		
60-64		110-114		160-164		
65-69		115-119		165-169		
70-74		120-124		170-174		

Date Sept 25, 09 Stream Corralitas Site 9

Sta. # 57 Habitat Categories: step-run (partial) Length: 47'
 Width: 8' Depth (M&R): 2.4 to 2.85 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) ¹⁵ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 40

Total Escape Cover: 7' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as willow Redwoods, TAN OAK, BL Maple %Deciduous 10
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 13(12) (1) (1) 15(14) Shocker Effectiveness: _____
 1+/2+: 3(4) 0 0 3(4) 127, 118, 91
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement	Other Species:
25-29	75-79 125-129	_____
30-34	80-84 130-134	_____
35-39	85-89 135-139	_____
40-44	90-94 140-144	_____
45-49	95-99 145-149	_____
50-54	100-104 150-154	_____
55-59	105-109 155-159	_____
60-64	110-114 160-164	_____
65-69	115-119 165-169	_____
70-74	120-124 170-174	_____
Other:		_____

Sta. # _____ Habitat Categories: _____ Length: _____
 Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: _____ Shocker Effectiveness: _____
 1+/2+: _____
 COHO : _____

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: _____

SHT(I) & Coho(*) Sizes (mm)	Type of Length Measurement	Other Species:
25-29	75-79 125-129	_____
30-34	80-84 130-134	_____
35-39	85-89 135-139	_____
40-44	90-94 140-144	_____
45-49	95-99 145-149	_____
50-54	100-104 150-154	_____
55-59	105-109 155-159	_____
60-64	110-114 160-164	_____
65-69	115-119 165-169	_____
70-74	120-124 170-174	_____

Electrofishing Data Sheet

Project No. 200-07 Site No. 9
 Stream Name Corralitos Date Sept 25, 1981

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)		
		SL	FL	TL								FL	SL	FL						TL	FL
1	STH	50			56					cont	STH	53			58						
		61			67							55			62						
		62			68							48			53						
		86			95							57			63						
		67			73							60			66						
		100	1		110							47			53						
		55			60							78			86						
		60			66							45			50						
		120		1	131							60			66						
		82			91							45			50						
		122		1	133							46			51						
		83			93							198		1	163						
		63			70							56			62						
		106		1	116							54			60						
		60			66							89			97						
		36			62							53			58						
		64			70							62			68						
		51			57							62			68						
		62			68							52			57						
		47			53							81			89						
92		1	102					57			63										
40			45					63			69										
59			65					87			97										
50			55					112		1	123										
51			56					118		1	130										
57			63					197		2	13										
54			59					110		1	120										
50			55					61			68										
44			48					95		1	105										
66			73					67			73										
51			57					62			68										
51			57					62			68										

a.c. D.A.

#50 pool

Electrofishing Data Sheet

Project No. 200-07 Site No. 9
 Stream Name Corralitos Date Sept 25, 09

Pass No.	Species	Length (mm)		Length Weight (gm) FL	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)		Length Weight (gm) FL	Scales	Stomach	Mort	Sex (m/f)			
		SL	TL								SL	TL								
B 50 pool cont	STH	47	53						cont	STH	64	70								
		60	66								67	73								
		43	47								57	62								
		55	61								57	62								
		58	64								60	66								
		57	63								69	76								
		63	69								70	77								
		54	60								64	70								
		47	53								62	68								
		60	66								52	57								
2 STH	STH	57	63						58	64										
		61	67					✓	54	60										
		113	127						64	71										
		44	49						51	56										
		90	98						52	58										
		53	58						57	63										
		59	65						36	40										
		91	99						52	57										
		53	58						48	53										
		66	73						58	64										
2 STH	STH	70	76						48	53										
		63	69						50	55										
		88	97						59	65										
3 STH	STH	53	59						82	90										
		55	61						57	63										
		100	110						100	110										
B 51 strip pool # 52 strip pool	STH	91	99						46	51										
		53	58						90	100										
		66	73						46	51										
		70	76						49	55										
		63	69						46	51										
		83	92						49	55										
3 STH	STH	97	106						116	128										
		93	102						95	105										
		80	88						63	70										

→ 63 a.c. 70 D.A.

Date Sept 25, 2009 Stream Shingle Mill Site 1

Sta. # 23 Habitat Categories: Riffle Length: 14'
 Width: 5 Depth (M&R): X=0.25 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 5 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 20

Total Escape Cover: 2.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

2391 @ 7:09

Fish#: SHT YY: 0 1st Pass 0 2nd Pass 0 3rd Pass 0 Shocker Effectiveness: _____
 COHO : 1(1) 0 0 1(1) 31, 39, 32

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Sta. # 30 Habitat Categories: Pool Length: 36'
 Width: 9 Depth (M&R): X 0.65 → 1.1 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 55 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 65

Total Escape Cover: 3' as 1.5' boulder, 1.5' lg wood
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as _____ %Deciduous 10
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 0 1st Pass 0 2nd Pass 0 3rd Pass 0 Shocker Effectiveness: _____
 COHO : 2(2) 0 0 2(2) 64, 74, 63

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>Prickly Sculpin</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date 25 Sept 09 Stream Shingle Mill Site 1

Sta. # 31 Habitat Categories: step-run Length: 25'
Width: 6 Depth (M&R): X=0.4 → 0.7 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 15 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 1.5' as boulders
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: _____
1+/2+: 2(2) _____
COHO : _____
1st Pass 2nd Pass 3rd Pass
0 0 0 Shocker Effectiveness: _____
2(2) 0 0 2(2) 66, 50, 51

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 75-79 125-129 Other Species: _____
30-34 80-84 130-134 _____
35-39 85-89 135-139 _____
40-44 90-94 140-144 Prickly Sculpin
45-49 95-99 145-149 _____
50-54 100-104 150-154 _____
55-59 105-109 155-159 _____
60-64 110-114 160-164 _____
65-69 115-119 165-169 _____
70-74 120-124 170-174 _____
Other: _____

Sta. # 32+33 Habitat Categories: step-pools Length: 30'
Width: 7 Depth (M&R): X=0.7 → 1.0 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 40 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 60

Total Escape Cover: 5.5' as Pool 1 2' boulder, 1' undercut; Pool 2 2.5' boulder
Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 5
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: _____
1+/2+: 2(2) _____
COHO : _____
1st Pass 2nd Pass 3rd Pass
0 0 0 Shocker Effectiveness: _____
2(2) 0 0 2(2) 95, 102, 79

SHT(I) & Coho(*) Sizes (mm) Type of Length Measurement: S.L.
25-29 75-79 125-129 Other Species: _____
30-34 80-84 130-134 _____
35-39 85-89 135-139 _____
40-44 90-94 140-144 Prickly Sculpin
45-49 95-99 145-149 _____
50-54 100-104 150-154 _____
55-59 105-109 155-159 _____
60-64 110-114 160-164 _____
65-69 115-119 165-169 _____
70-74 120-124 170-174 _____
Other: _____

Date 25 Sept. 09 Stream Shingle Mill Site 1

Sta. # 34 Habitat Categories: step-run Length: 30
Width: 4 Depth (M&R): X=0.5 → 0.8 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 40

Total Escape Cover: 3 as boulders
Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 5

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____ Shocker Effectiveness: _____
1+/2+: 2(2) _____ 0 _____ 0 2(2) 81, 64, 76
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	<u>Prickly Sculpin present</u>
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # _____ Habitat Categories: _____ Length: _____
Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: _____
SHT YY: _____ 1st Pass _____ 2nd Pass _____ 3rd Pass _____ Shocker Effectiveness: _____
1+/2+: _____
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Electrofishing Data Sheet

Project No. 200-07 Site No. 1
 Stream Name Shingle Mill Date Sept 23, 09

Pass No.	Species	Length (mm)			Length Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	FL							SL	FL	TL	FL	FL				
# 23 Aft	1 STH		8	6		9	5														
	2 STH			∅																	
	3 STH			∅																	
# 30 pool	1 STH	1	6	3	1	7	7														
			1	1	4	1	2	5													
	2 STH			∅																	
	3 STH			∅																	
# 31 step run	1 STH		9	8	1	0	8														
			8	2		9	2														
	2 STH			∅																	
	3 STH			∅																	
# 32 +33 step pool	1 STH	1	0	8	1	1	0														
			8	8		9	8														
	2 STH			∅																	
	3 STH			∅																	
# 34 step run	1 STH	1	0	0	1	1	0														
			9	1	1	0	1														
	2 STH			∅																	
	3 STH			∅																	

Date Sept 28-09 Stream Shinglemill Ck Site 3
 Time 1000:56 F water temp

Sta. # 49 Habitat Categories: Pool Length: 23'
 Width: 6' Depth (M&R): X = 0.7 → 1.2' Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) 1.2(<2mm) 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: 60

Total Escape Cover: 3' as concrete ledge
 Total Overhead Cover: _____ as _____

% Canopy Closure: 74 as _____ %Deciduous 0
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 2(2) 1st Pass 0 2nd Pass 0 3rd Pass 2(2) Shocker Effectiveness: _____
COHO : 1(1) 2(2) 0 3(3) 64, 52, 64

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			<u>2 Juv. rough skinned nuthatches</u>

Sta. # 50 Habitat Categories: Riffle Length: 19'
 Width: 4' Depth (M&R): X = 0.1 → 0.2 Tail Crest Depth: _____

Substrate: 1(Org.) _____ 1.1(silt) _____ 1.2(<2mm) _____ 2(2-5mm) _____ (5-25mm) _____
 3(25-50mm) _____ 4(50-75mm) _____ 5(75-150mm) _____ 6(150-225mm) _____ 7(225-300) _____
 8(300-600mm) _____ 9(>600mm) _____ 9.1(Bedrock) _____ %Embeddedness 6+: _____

Total Escape Cover: _____ as no cover
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 0 1st Pass 0 2nd Pass 0 3rd Pass 0 Shocker Effectiveness: _____
COHO : 0 0 0 0 27, 36, 29

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>1 Juv. Gaint Pacific Sl.</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 28-09 Stream Shinglemill Ct Site 3

Sta. # 51 Habitat Categories: POD Length: 52'
 Width: 6' Depth (M&R): X=1.1 → 1.5' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 65

Total Escape Cover: 8' as 6' undercut bank, 2' LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 78 as _____ %Deciduous 0

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 7(7) 2(2) 1(1) Shocker Effectiveness: _____
 1+/2+: 4(4) 0 0 4(4) 107, 113, 120
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79 1	125-129	Other Species: <u>1 soft skinned newt</u>
30-34	80-84 1	130-134	
35-39	85-89 1	135-139	
40-44	90-94 1	140-144	
45-49 <u>44</u>	95-99 1	145-149	
50-54 1	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69 1	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 53 Habitat Categories: POD Length: 41'
 Width: 7' Depth (M&R): X=0.7 → 1.0' Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 55

Total Escape Cover: 6.5' as undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 80 as _____ %Deciduous 0

Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____

Food Rating(I): _____

Fish#: 1st Pass 2nd Pass 3rd Pass
 SHT YY: 7(7) 4(4) 1(1) Shocker Effectiveness: _____
 1+/2+: 4(4) 0 0 4(4) 99, 113, 76
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79 1	125-129	Other Species: <u>Rough skinned newt</u>
30-34	80-84 1	130-134	
35-39	85-89 1	135-139	
40-44	90-94 1	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 28 Stream Shinglemill - CK Site 3

Sta. # 59 Habitat Categories: Rvii Length: 17'
Width: 4 Depth (M&R): X = 0.2 → 0.3 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: 0 as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: 76 as _____ %Deciduous 0
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: 1(1) 1(1) 0 2(2) Shocker Effectiveness: _____
1+/2+: 0 0 0 0 60, 33, 37
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:					
25-29	75-79	0	0	0	0	0	SL	
30-34	80-84	0	0	0	0	0		1 <u>leaf skinned newt</u>
35-39	85-89							
40-44	90-94							<u>crayfish</u>
45-49	95-99							
50-54	100-104							
55-59	105-109							
60-64	110-114							
65-69	115-119							
70-74	120-124							
Other:								

Sta. # _____ Habitat Categories: _____ Length: _____
Width: _____ Depth (M&R): _____ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) ___ 1.2(<2mm) ___ 2(2-5mm) ___ (5-25mm) ___
3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: _____

Total Escape Cover: _____ as _____
Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
Algae (%cover, thickness, dist.): _____
Aquatic Vegetation (types, %cover, dist.): _____
Food Rating(I): _____

Fish#: _____
SHT YY: _____ Shocker Effectiveness: _____
1+/2+: _____
COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Project No. 200-07a Site No. 3
 Stream Name Shingle M: 11 Date 28 Sept 09

Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)		Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL	FL	FL							FL	FL	FL						
# 49 Pool	1 STH	9	1		10	2					1 STH	4	8		5	4					
		5	5		6	1						5	2		5	7					
		5	3		5	9			X			2 STH	5	2		5	7				
# 50 Pool	2 STH	8	5		9	4					3 STH	4	2		4	7					
		7	5		8	3						4	2		4	7					
												4	5		5	1					
# 51 Pool	3 STH	8	7		9	6					1 STH	4	7		5	3					
		9	8		10	8						1	STH	4	7		5	2			
		7	6		8	5						2	STH	4	9		5	4			
# 53 Pool	1 STH	8	7		9	6					3 STH	8	7		9	6					
		9	8		10	8						8	7		9	6					
		7	6		8	5						7	6		8	5					
		6	8		7	6						5	1		5	7					
		5	1		5	7						4	8		5	5					
		4	8		5	5						8	5		9	3					
		8	5		9	3						4	8		5	4					
		4	8		5	4						4	6		5	2					
		4	6		5	2						4	7		5	3					
		4	7		5	3						2 STH	4	3		4	7				
		5	2		5	8							5	2		5	8				
		7	3		8	2						3 STH	7	3		8	2				
		4	7		5	3						1 STH	4	7		5	3				
		8	1		8	9						1 STH	8	1		8	9				
		8	5		9	4							8	5		9	4				
1	0		1	0						1	0		1	0							
7	0		7	8						7	0		7	8							
6	9		7	6						6	9		7	6							
6	9		7	7						6	9		7	7							
4	7		5	3						4	7		5	3							
4	6		5	2						4	6		5	2							
7	6		8	4						7	6		8	4							

Date 28 Sept 09 Stream Browns Site 1

Sta. # 3 Habitat Categories: Pool Length: 57'
 Width: 10' Depth (M&R): $\bar{x} = 1.2 \rightarrow 21.6$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 8.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 80 as _____ %Deciduous 30
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 7(7) 2(2) 0 9.3(9.3) Shocker Effectiveness: _____
 1+/2+: 10(10) 0 0 10(10) 277, 196, 1160
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>Riffle Sculpin</u>
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	<u>SHT w/ Trematode</u>
55-59	105-109	155-159	
60-64	110-114	160-164	<u>crayfish</u>
65-69	115-119	165-169	
70-74	120-124	170-174	

Other: _____

Sta. # 4 Habitat Categories: Riffle Length: 57'
 Width: 10' Depth (M&R): $\bar{x} = 0.2 \rightarrow 0.5$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 2' as 1' boulder, 1' LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: SHT YY: 1(1) 0 0 1(1) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 131, 143, 125
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Other: _____

Date Sept 28 - 09 Stream Browns CK Site 1
 water = 58°F @ 12:18 p.m.

Sta. # 1 Habitat Categories: Pool Length: 65
 Width: 13 Depth (M&R): X = 1.0 → 1.5 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 11' as 10' boulders, 1' LWD
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as bigleaf maple, tan oak, doug fir, redwood %Deciduous 50
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 1(1) 2(2) 1(1) 4(4) Shocker Effectiveness: _____
 1+/2+: 13(13) 2(2) 0 15-20(52) 257, 187, 229
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	rifle sculpin present
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 2 Habitat Categories: Run Length: 16'
 Width: 6 Depth (M&R): X = 0.4 → 0.6 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 35

Total Escape Cover: 6.5 as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: _____ as _____ %Deciduous _____
 Algae (%cover, thickness, dist.): _____

Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 2(2) 0 1(1) 0 Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 33, 35, 58, 47
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	Rifle Sculpin Present
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Page 1 of 1

Project No. 200-7 Site No. 1
 Stream Name Browns Date Sept 28-0

#1 pool

Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
1	STH	163	181						1	STH	84	93							
		98	108							(cont'd)	59	65							
		95	106								99	109							
		93	104								91	101							
		81	91								98	108							
		78	87								56	62							
		79	88								63	69							
		88	97								60	67							
		90	99								54	60							
		98	108						2	STH	72	80							
		104	114								55	62							
		108	121						3	STH	∅								
		101	111						#4	1	STH	58	64						
		63	70						affle	2	STH	∅							
2	STH	54	60						3	STH	∅								
		55	61																
		87	97																
		81	89																
3	STH	52	7																
#2	1	STH	52	58															
run			58	65															
	2	STH	∅																
	3	STH	53	59															
	4	STH	∅																
#3	1	STH	124	136															
pool			95	105															
			109	120															
			116	127															
			101	110															
			51	57															
			98	108															
			60	67															

a.c. D.A.

Date Sept 28-09 Stream Brown's CK Site 2

Sta.# 32 Habitat Categories: Pool Length: 67
 Width: 12 Depth (M&R): $\bar{x}=1.1 \rightarrow 1.9$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 40 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 50

Total Escape Cover: 10' as 6' boulders, 3' SWD, 1' root mass
 Total Overhead Cover: _____ as _____

% Canopy Closure: 72 as Rwd blm, alder, tan oak %Deciduous 40
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 23 (23)
 SHT YY: 14 (14) 2 (2) 7 (7) 0 Shocker Effectiveness: 256, 203, 191, 193
 1+1/2+: 9 (9) 1 (1) 0 0
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	<u>Riffle Sculpin Present</u>
40-44	90-94	140-144	
45-49	95-99	145-149	<u>Crayfish Present</u>
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta.# 38 Habitat Categories: Pool Length: 37'
 Width: 10 Depth (M&R): $\bar{x}=1.0 \rightarrow 1.5$ Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 35 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 55

Total Escape Cover: 3.5' as 2.5' boulders, 1' undercut bank
 Total Overhead Cover: _____ as _____

% Canopy Closure: 64 as _____ %Deciduous 20
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: 25.6 (25.6)
 SHT YY: 13 (13) 8 (8) 1 (1) 25.6 (25.6) Shocker Effectiveness: 116, 114, 100
 1+1/2+: 5 (5) 2 (2) 0 7.5 (7.5)
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	<u>Riffle sculpin</u>
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	
50-54	100-104	150-154	
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	

Date Sept 28-01 Stream Browns Site 2

Sta. # 30 Habitat Categories: Riffle Length: 27'
 Width: 13 Depth (M&R): X=0.2 → 0.5 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 20

Total Escape Cover: 1.5' as boulders
 Total Overhead Cover: _____ as _____

% Canopy Closure: 70 as blm, alder, sycamore, redwood, tan oak %Deciduous 60
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 9(9) 1(1) 0 10.1(10.1) Shocker Effectiveness: _____
 1+/2+: 1(1) 0 0 1(1) 126, 108, 108
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	<u>Riffle sculpin Present</u>
45-49	95-99	145-149	<u>Crayfish present</u>
50-54	100-104	150-154	<u>Cal. Giant Salamander</u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Sta. # 31 Habitat Categories: run Length: 24'
 Width: 11 Depth (M&R): X=0.4 → 0.55 Tail Crest Depth: _____

Substrate: 1(Org.) ___ 1.1(silt) 1.2(<2mm) 2(2-5mm) ___ (5-25mm) ___
 3(25-50mm) ___ 4(50-75mm) ___ 5(75-150mm) ___ 6(150-225mm) ___ 7(225-300) ___
 8(300-600mm) ___ 9(>600mm) ___ 9.1(Bedrock) ___ %Embeddedness 6+: 45

Total Escape Cover: 0 as _____
 Total Overhead Cover: _____ as _____

% Canopy Closure: 82 as dogwood, blm, sycamore, Redw %Deciduous 55, 55
 Algae (%cover, thickness, dist.): _____
 Aquatic Vegetation (types, %cover, dist.): _____
 Food Rating(I): _____

Fish#: _____
 SHT YY: 4(4) 1(1) 3(3) 0 8(8) Shocker Effectiveness: _____
 1+/2+: 0 0 0 0 143, 93, 109, 108
 COHO : _____

SHT(I) & Coho(*)	Sizes (mm)	Type of Length Measurement:	Other Species:
25-29	75-79	125-129	
30-34	80-84	130-134	
35-39	85-89	135-139	
40-44	90-94	140-144	
45-49	95-99	145-149	<u>Riffle Sculpin Present</u>
50-54	100-104	150-154	<u>crayfish</u>
55-59	105-109	155-159	
60-64	110-114	160-164	
65-69	115-119	165-169	
70-74	120-124	170-174	
Other:			

Electrofishing Data Sheet

Project No. 200-07 Site No. 2
 Stream Name Brown's Date Sept 28-09

Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm) F.L.	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								SL	FL	TL					
#30 Run	1	STH	11	8	130					1	STH	45	50						
			65	73						(cont'd)	116	128							
			57	63							76	84							
			57	63							59	65							
			56	62							93	103							
			71	78							54	60							
			58	64							59	65							
			57	63							53	59							
			57	63							67	73							
			55	61							67	75							
2	STH	69	77							59	66								
3	STH									52	57								
#31 Run	1	STH	72	81						2	STH	93	103						
			59	65							52	57							
			52	67							36	41							
			49	55						3	STH	68	74						
	2	STH	59	65							59	65							
	3	STH	55	61							52	58							
			46	51							46	52							
			54	60							52	58							
	4	STH									48	54							
											51	57							
#32 pool	1	STH	105	116						4	STH								
			93	103						1	STH	93	103						
			79	87							100	110							
			103	113							122	134							
			50	56							58	64							
			112	123							87	95							
			93	103							69	76							
			52	57							56	61							
			52	57							50	55							
			59	65							55	61							

Electrofishing Data Sheet

Project No. 200-07 Site No. 2
 Stream Name Browns ck Date Sept 28-0

38.
cont.

Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)	Pass No.	Species	Length (mm)			Weight (gm)	Scales	Stomach	Mort	Sex (m/f)
		SL	FL	TL								FL	SL	FL					
1	STH	50			55														
		91	11		01														
		51			56														
		50			55														
		57			63														
		51			56														
		59			65														
		55			61														
		68			75														
2	STH	99	11		09														
		51			56														
		62			68														
		60			66														
		83			90														
		53			58														
		54			59														
		49			54														
		56			61														
		61			67														
3	STH	48			53														

Q.C. D.A.