

APPENDIX C. Summary of 2009 Catch Data at Sampling Sites.

ORDER OF DATA ORGANIZATION IN THIS APPENDIX

The summary sheets for each sampling site were provided first as steelhead/coho sampling forms. Then the field data sheets for each sampling site were provided. The order of sampling sites corresponded to the numerical order presented in Tables 1-4 in the methods section.

EXPLANATION OF STEELHEAD/COHO SALMON SAMPLING FORMS

Electrofishing and snorkeling data were presented for each sampling site. All data pertained to steelhead because no coho salmon were captured in 2009. Snorkeled habitat is denoted. For electrofishing data, it was presented in successive passes. For underwater visual censusing data, fish counts for replicate passes were presented as passes. Density estimates for each electrofished habitat were obtained by the depletion method and regression analysis. Density estimates for mainstem pool habitats that were visually censused in 2009 were obtained by using the maximum number of steelhead seen per pass. Densities were so low in 2009 that there was little chance of counting the same fish twice, and it was very possible to miss fish on certain passes.

For each pass, steelhead were divided into age and size class categories. YOY and 1+ refer to age classes. C-1, C-2 and C-3 refer to Size Classes 1, 2 and 3. For the data presented by pass, C-2 includes Size Classes 2 and 3 combined. Only in the population estimates are these two size classes differentiated.

Site densities at the bottom of the summary data forms were obtained by dividing total estimated number of fish in each size/age category by the total length of stream that was censused.

Steelhead Sampling Results

Date: 01Oct09 Stream: SLR Sampled by: Alley, Steiner, Wheeler

Sampling Site: 0a (Below Highway 1) Water Temperature and Times: 60.0° F @ 1520 hr,

01Oct09

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/ Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#1 Riffle 17 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#2 Pool 85 ft	0	0	1	1	1	0	0	1	0/0	0/0	1/0	1/0	1	0	2	1	2	3
#3 Run 68 ft	0	0	0	0	0	0	0	0	1/0	0/0	0/0	1/0	1	0	0	1	0	1
All Habitats Combined 170 ft													2	0	2	2	2	4

Length of Stream Sampled (ft): 170 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0118 / 0.0

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0118 / 0.0235

Steelhead Sampling Results

Date: 20Sep09/30Sep09 Stream: SLR Sampled by: Alley, Steiner, Kittleson, Reis, Wheeler

Sampling Site: 1 (Paradise Park) Water Temperature and Times: 58.5° F @ 1620 hr,
30Sep09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/ Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#8 Riffle 71 ft	11	0	3	14	2	0	1	3	2	0	0	2	15.2	0	4.2	16.2	3	19.2
#7 Run 58 ft	2	0	0	2	1	0	0	1	0	0	0	0	3.3	0	0	3.3	0	3.3
#10a-b Pool Snorkel 622 ft	2	0	1	3									2	0	1	3	0	3
All Habitats Combined 751 ft													20.5	0	5.2	22.5	3	25.5

Length of Stream Sampled (ft): 751 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0273 / 0.0

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0069 / 0.0340

Steelhead Sampling Results

Date: 27Sep09/10Oct09 Stream: SLR Sampled by: Alley, Steiner, Reis, Wheeler, Finstad

Sampling Site: 2a (Rincon) Water Temperature and Times: 54.0° F @ 1226 hr, 10Oct09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/ Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#22 Riffle 42 ft	14	2	1	13	10	2	0	8	5/5	0/2	1/0	6/3	34	6	2	28	2	36
#21 Run 71 ft	12	1	2	13	3	0	1	4	1/1	1/0	2/0	2/1	17	2	5	17	3	22
#14 Pool Snorkel 384 ft	1	0 Three Passes	0 Passes	1									1	0	0	1	0	1
#17 Pool Snorkel 180 ft	3	0 Three Passes	0 Passes	3									3	0	0	3	0	3
All Habitat Combined 677 ft													55	8	7	49	5	62

Length of Stream Sampled (ft): 677 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0812/ 0.0118

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0103 /0.0798

Steelhead Sampling Results

Date: 20Sep09/30Sep09 Stream: SLR Sampled by: Alley, Steiner, Kittleson, Reis, Wheeler

Sampling Site: 4 (Henry Cowell Park) Water Temperature and Times: 54.0° F @ 1012 hr,
30Sep09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#17 Riffle 43 ft	9	3	1	7	4	3	0	1	2	1	0	1	16.6	11.4	1	9	0	20.4
#20 Riffle 51 ft	59	22	0	37	23	9	0	14	14	9	0	5	104.6	49.5	0	59.2	0	108.7
#21 Run 27 ft	10	7	0	3	4	4	0	0	2	2	0	0	17.3	15.6	0	3	0	18.6
#22 Pool Snorkel 405 ft	1 Three Passes	0	1	2									1	0	1	1	1	2
All Habitats Combined 526 ft													139.5	76.5	2	72.2	1	149.7

Length of Stream Sampled (ft): 526 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.2652/0.1454

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0038/0.1392

Steelhead Sampling Results

Date: 09Sep09/5Sep09 Stream: SLR Sampled by: Alley, Steiner, Wheeler, Kittleson

Sampling Site: 6 (below Fall Creek) Water Temperature and Times: None taken.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#8 Riffle 54 ft	22	20	0	2	9	9	0	0	4	4	0	0	37.7	36.3	0	2	0	38.3
#9 Run 79 ft	10	9	0	1	12	12	0	0	6/1	6/1	0	0	29	28	0	1	0	29
#17 Short Pool Snorkel 109 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#15 Long Pool Snorkel 357 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Habitats Combined 599 ft													66.7	64.3	0	3	0	67.3

Length of Stream Sampled (ft): 599 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1114/.1073

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0/0.0050

Steelhead Sampling Results

Date: 9Sep09/5Sep09 Stream: SLR Sampled by: Alley, Steiner, Kittleson, Wheeler
Sampling Site: 8 (below Clear Creek) Water Temperature and Times: 67.5° F @
 15360hr, 5Sep09. (Air temp. 68° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/ Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#9a Riffle 21 ft	11	10	3	4	6	6	0	0	4	3	0	1	26.2	23.3	3	6	0	29.3
#11 Riffle 29 ft	20	17	1	4	8	7	1	2	3	3	0	0	33.1	29.1	3	6.7	0	35.8
#9b Run 48 ft	21	18	1	4	9	8	0	1	3	3	0	0	35.5	31.5	1	5.1	0	36.6
#15 Short Pool snorkel 163 ft	1	0	1	2	0	0	0	0	0	0	0	0	1	0	1	2	0	2
#24 Long Pool snorkel 326 ft	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	2
All Habitats Combined 587 ft													95.8	84.9	9	20.8	0	105.7

Length of Stream Sampled (ft): 587 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1632/ 0.1446

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0153/ 0.0354

Steelhead Sampling Results

Date: 2Sep09 Stream: SLR Sampled by: Alley, Steiner, Reis

Sampling Site: 11 (above Teihl Rd) Water Temp. and Times: 65 F @ 1513 hr,
11Aug09. (Air temp. 71 F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#21 Run- 48 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#23 Riffle- 10 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#24 Pool-51 ft	4	3	2	4	0	0	1	1	0	0	0	0	4	3	3	4	0	7
#21 Pool-52 ft	1	1	1	1	2	2	0	0	0	0	0	0	3	3	1	1	0	4
All Habitats Combined 161 ft													7	6	4	5	0	11

Length of Stream Sampled (ft): 161 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0435/ 0.0373

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0248/ 0.0311

Steelhead Sampling Results

Date: 03Sep09 Stream: Zayante Sampled by: Alley, Steiner, Wheeler

Sampling Site: 13a (below Bean Creek) Water Temperature and Times: none taken.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#17 Riffle 10 ft	3	1	0	2	1	0	0	1	0	0	0	0	4.2	1	0	3.3	0	4.3
#19 Pool 133 ft	13	7	5	11	2	2	0	0	0	0	0	0	15.2	9.3	5	11	0	20.3
#20 Pool 56 ft	11	6	2	7	1	1	0	0	1	1	0	0	13	8.1	2	7	0	15.1
#18 Run 70 ft	26	18	0	8	7	5	0	2	4	3	0	1	37.9	26.8	0	11.2	0	38
All Habitats Combined 269 ft													70.3	45.2	7	32.5	0	77.7

Length of Stream Sampled (ft): 269 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.2613/ 0.1680

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0260/ 0.1208

Steelhead Sampling Results

Date: 04Sep09 Stream: Zayante Sampled by: Alley, Steiner, Wheeler

Sampling Site: 13c (below Lompico Ck) Water Temp. and Times: 64° F @ 1405 hr,
4Sep09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#26-27 Riffle 22 ft	11	11	3	3	2	2	0	0	1	0	0	0	14	13	3	4	0	17
#28 Pool 28 ft	17	17	2	2	4	4	1	1	1	1	0	0	22.3	22.3	3.3	3.3	0	25.6
#29 Pool 100 ft	37	36	4	5	11	11	0	0	8	8	1	1	58.8	58	6	6.7	0	64.7
#32 Step-Run 52 ft	25	24	3	4	8	8	3	3	2	2	0	0	36.2	35.3	6	7	0	42.3
All Habitats Combined 202 ft													131.3	128.6	18.3	21	0	149.6

Length of Stream Sampled (ft): 202 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.65/ 0.6366

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0906/ 0.1040

Steelhead Sampling Results

Date: 10Sep08 Stream: Zayante Sampled by: Alley, Steiner, Wheeler

Sampling Site: 13d (below Mountain Charlie Gulch) Water Temp. and Times: 66°

F @ 1602 hr, 13Aug09. (Air temp. 79° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/ Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#38 Riffle 13 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#29 Step-Run 38 ft	13	13	6	6	1	1	0	0	0	0	0	0	14	14	6	6	0	20
#37 Pool 60 ft	67	67	11	11	13	13	1	1	8	8	0	0	88.3	88.3	12	12	0	100.3
#39 Pool 48 ft	26	26	4	4	9	9	3	3	1	1	0	0	37.6	37.6	8.8	8.8	0	46.4
All Habitats Combined 159 ft													140.9	140.9	26.8	26.8	0	167.7

Length of Stream Sampled (ft): 159 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.8862/ 0.8862

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1686/ 0.1686

Steelhead Sampling Results

Date: 4Sep09 Stream: Lompico Sampled by: Alley, Steiner, Wheeler, Collins
Sampling Site: 13e (below turnout) Water Temp. and Times: 58° F @ 0935 hr,
 4Sep09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#42 Pool 68 ft	59	59	5	5	23	23	1	1	3	3	0	0	90	90	6.1	6.1	0	96.1
#44 Pool 46 ft	34	34	2	2	16	16	0	0	7	7	0	0	63.3	63.3	2	2	0	65.3
#43 Riffle 10 ft	2	2	0	0	2	2	0	0	0	0	0	0	4	4	0	0	0	4
#46 Step-run 40 ft	24	24	0	0	9	9	0	0	2	2	0	0	36.8	36.8	0	0	0	36.8
All Habitats Combined 164 ft													194.1	194.1	8.1	8.1	0	202.2

Length of Stream Sampled (ft): 164 ft
 Young-of-the-Year / Size Class 1 per Foot of Stream: 1.1835/ 1.1835
 Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0494/ 0.0494

Steelhead Sampling Results

Date: 14Sep09 Stream: Bean Ck Sampled by: Alley, Steiner, Wheeler
Sampling Site: 14b (below Lockhart Gulch.) Water Temp. and Times: 61° F @
 1522hr, 8Aug09. (Air temp. 69° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#44 Riffle 58 ft	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1
#43 Pool 95 ft	2	0	7	9	3	0	2	5	1	0	1	2	6	0	10.3	18.5	0	18.5
#45 Pool 89 ft	4	1	5	8	1	0	0	1	1	0	0	1	6.3	1	5	9	1	11
#49 Run 30 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Habitats 272 ft													13.3	1	15.3	28.5	1	30.5

Length of Stream Sampled (ft): 272 ft
 Young-of-the-Year/ Size Class 1 per Ft of Stream: 0.0489/ 0.0037
 Yearlings and 2+/ Size Classes 2 and 3 per Ft of Stream: 0.0563/ 0.1085

Steelhead Sampling Results

Date: 10Sep09 Stream: Fall Ck Sampled by: Alley, Steiner, Reis

Sampling Site: 15 (above Highway 9) Water Temp. and Times: 60° F @ 1523 hr.

12Aug09. (Air temp. 72° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#25 Riffle 42 ft	4	4	4	4	2	2	0	0	2	2	0	0	11.3	11.3	4	4	0	15.3
#20 Pool 20 ft	4	3	5	6	2	2	1	1	0	0	1	1	6.7	6	7.2	5.1	3	14.1
#24 Pool 23 ft	6	6	9	9	2	2	0	0	1	1	1	1	9.4	9.4	10.3	8.2	2.1	19.7
#19 Step-Run 40 ft	7	7	1	1	3	3	0	0	0	0	0	0	10.8	10.8	1	1	0	11.8
All Habitats Combined 125 ft													38.2	37.5	22.5	18.3	5.1	60.9

Length of Stream Sampled (ft): 125 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.3056/0.3

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.18/ 0.1872

Steelhead Sampling Results

Date: 11Sep09 Stream: Newell Ck Sampled by: Alley, Steiner, Wheeler

Sampling Site: 16 Water Temp. and Times: 59.5° F @ 1155hr. 10Aug09. (Air temp. 75° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#22 Riffle 19 ft	2	2	0	0	2	2	0	0	0	0	0	0	4	4	0	0	0	4
#21 Pool 77 ft	6	4	1	3	1	1	1	1	0	0	0	0	7.1	5.1	3	4.2	0	9.3
#28 Pool 107 ft	3	3	5	5	1	1	0	0	1	1	0	0	5.7	5.7	5	5	0	10.7
#20 Run 52 ft	15	15	2	2	4	4	0	0	2	2	0	0	21.4	21.4	2	2	0	23.4
All Habitats Combined 255 ft													38.2	36.2	10	11.2	0	47.4

Length of Stream Sampled (ft): 255 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1498/0.1420

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0392/ 0.0439

Steelhead Sampling Results

Date: 10Sep09 Stream: Boulder Ck Sampled by: Alley, Steiner, Reis

Sampling Site: 17a (above Highway 9) Water Temp. and Times: 64° F @ 1531hr.

14Aug09. (Air temp. 67° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#4 Riffle 22 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#5 Pool 133 ft	6	6	3	3	2	1	0	1	2	2	0	0	11.3	10.1	3	4.2	0	14.3
#8 Pool 41 ft	4	3	2	3	0	0	0	0	0	0	0	0	4	3	2	3	0	6
#7 Run 48 ft	4	3	4	5	1	1	1	1	1	1	0	0	6.3	5.7	5.1	6.1	0	11.8
All Habitats Combined 244 ft													22.6	19.8	10.1	13.3	0	33.1

Length of Stream Sampled (ft): 244 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0926/0.0811

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0414/ 0.0545

Steelhead Sampling Results

Date: 10Sep09 Stream: Boulder Ck Sampled by: Alley, Steiner, Reis

Sampling Site: 17b (Bracken Brae) Water Temp. and Times: 58° F @ 1400 hr,
10Aug09.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#22 Step-run 32 ft	4	4	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	4
#31 Riffle/ Step-run 56 ft	7	7	1	1	2	2	0	0	0	0	0	0	9.3	9.3	1	1	0	10.3
#30 Pool 40 ft	15	15	10	10	4	4	2	2	5	5	0	0	26.9	26.9	12.2	12.2	0	39.1
#32 Pool 26 ft	9	9	2	2	1	1	1	1	1	1	0	0	11	11	3.3	3.3	0	14.3
All Habitats Combined 154 ft													51.2	51.2	16.5	16.5	0	67.7

Length of Stream Sampled (ft): 154 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.3325/0.3325

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1071/ 0.1071

Steelhead Sampling Results

Date: 2Sep09 Stream: Bear Ck Sampled by: Alley, Steiner, Reis

Sampling Site: 18a (above and below Hopkins Gulch) Water Temp. and Times: 66°

F @ 1508 hr, 2Sep09. Air Temp. 75° F.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#10 Riffle 16 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#11 Pool 109 ft	10	10	1	1	5	4	1	2	1	1	0	0	17.7	15.9	2	3	0	18.9
#13 Pool 23 ft	3	3	1	1	2	2	1	1	3/0	3/0	0/0	0/0	8	8	2	2	0	10
#14 Step-Run 53 ft	8	8	0	0	3	3	0	0	0	0	0	0	11.7	11.7	0	0	0	11.7
All Habitats Combined 201 ft													38.4	36.6	4	5	0	41.6

Length of Stream Sampled (ft): 201 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1910/ 0.1821

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0199/ 0.0249

Steelhead Sampling Results

Date: 14Aug09 Stream: Branciforte Ck Sampled by: Alley, Steiner, Reis

Sampling Site: 21a-2 (below Granite Ck) Water Temp. and Times: 63° F @ 1542

hr, 11Aug09. (Air temp. 70° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#14 Riffle 8 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#15 Pool 46 ft	4	4	2	2	1	1	1	1	1	1	0	0	6.3	6.3	3.3	3.3	0	9.6
#19 Pool 60 ft	2	2	4	4	4	4	3	3	3	3	0	0	9	9	7	6	1	16
#25 Run 24 ft	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2
All Habitats Combined 138 ft													17.3	17.3	10.3	9.3	1	27.6

Length of Stream Sampled (ft): 138 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1254/ 0.1254

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0746 / 0.0746

Steelhead Sampling Results

Date: 16Sep09 Stream: Soquel Ck Sampled by: Alley, Steiner, Reis
 Sampling Site: 1 below Grange Water Temp. and Times: 61° F @ 1004 hr.
 25Aug09. Air Temp. 57° F.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#19 Run 43 ft	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1
#23 Riffle 34 ft	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1
#18 Pool 494 ft	17	7	4	14	9	5	2	6	6/1	2/1	3/0	7/0	33	15	9	27	0	42
All Habitats Combined 571 ft													35	15	9	29	0	44

Length of Stream Sampled (ft): 571 ft
 Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0612/ 0.0263
 Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0158/ 0.0508

Steelhead Sampling Results

Date: 16Sep09 Stream: Soquel Ck Sampled by: Alley, Steiner, Reis
 Sampling Site: 4 Adjacent Flower Field. Water Temp. and Times: 64 F @ 1755 hr
 25Aug09. Air Temp. 63 F

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#14 Run 25 ft	2	1	0	1	2	2	0	0	0	0	0	0	4	3	0	1	0	4
#16 Riffle 67 ft	10	10	1	1	2	2	0	0	1	1	0	0	13.0	13.0	1	1	0	14
#15 Pool 137 ft	7	4	2	5	5	4	1	2	1	0	0	1	16	8	3.3	8.6	0	16.6
All Habitats Combined 229 ft													33	24	4.3	18.6	0	34.6

Length of Stream Sampled (ft): 229 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1441/ 0.1048

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0188/ 0.0812

Steelhead Sampling Results

Date: 17Sep09 Stream: Soquel Ck Sampled by: Alley, Steiner, Wheeler
 Sampling Site: 10 (Above Allred) Water Temp. and Times: 63° F @ 1430 hr,
 27Aug09 (air temp. 78° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#26 Run 50 ft	7	4	0	3	1	1	0	0	1	1	0	0	9	6.3	0	3	0	9.3
#27 Pool 211 ft	17	12	1	6	13	8	1	6	3	2	0	1	33	22	2	13	0	35
#28 Riffle 30 ft	6	4	0	2	0	0	0	0	1	1	0	0	7.5	6	0	2	0	8
All Habitats Combined 291 ft													49.5	34.3	2	18	0	52.3

Length of Stream Sampled (ft): 291 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1701/ 0.1179

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0069/ 0.0619

Steelhead Sampling Results

Date: 18Sep09 Stream: Soquel Ck Sampled by: Alley, Steiner, Wheeler
Sampling Site: 12 Soquel Creek Rd Water Temp. and Times: 64° F @ 1717 hr.
 27Aug09 Air Temp. 73° F.

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#19 Run 37 ft	9	8	0	1	2	2	0	0	0	0	0	0	11.3	11.3	0	1	0	12.3
#20 Riffle 31 ft	5	4	0	1	2	2	0	0	0	0	0	0	7.5	6.7	0	1	0	7.7
#13 Pool 218 ft	53	35	5	23	8	8	4	4	12/4	8/4	0/0	4/0	77	55	9	31	0	86
All Habitats Combined 286 ft													95.8	73	9	34	0	106

Length of Stream Sampled (ft): 286 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.3350/ 0.2552

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0315/ 0.1189

Steelhead Sampling Results

Date: 18Sep09 Stream: E. Br. Soquel Ck Sampled by: Alley, Steiner, Wheeler
 Sampling Site: 13a (Below Millpond) Water Temp. and Times: 69°F @ 1458 hr,
 21Aug09 (air temp. 79°F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#41 Riffle 46 ft	8	4	1	5	4	2	0	2	1	0	0	1	14.4	6.7	1	8.6	0	15.3
#39 Run 29 ft	2	1	0	1	0	0	0	0	0	0	0	0	2	1	0	1	0	2
#38 Pool 137 ft	18	11	2	9	4	4	0	0	2	1	0	1	24.2	16.8	2	10.3	0	27.1
#40 Pool 44 ft	9	4	2	7	4	1	0	3	0	0	0	0	14.1	5.1	2	10.8	0	15.9
All Habitats Combined 256 ft													54.7	29.6	4	30.7	0	60.3

Length of Stream Sampled (ft): 256 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.2137/ 0.1156

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0156/ 0.1119

Steelhead Sampling Results

Date: 21Sep09 Stream: E. Br. Soquel Ck Sampled by: Alley, Steiner, Reis
 Sampling Site: 16 (Below Long Ridge Rd) Water Temp. and Times: 59° F @ 1307
 hr, 26Aug09; (air temp. 68.2° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#28 Step-Pool 49 ft	17	17	9	9	11	11	3	3	0	0	0	0	33.3	33.3	12.6	12.6	0	45.9
#34 Pool 27 ft	20	21	5	5	5	5	0	0	1	1	0	0	26.5	27.4	5	5	0	32.4
#36 Step-run 70 ft	67	67	3	3	14	14	0	0	2	2	0	0	84	84	3	3	0	87
#35 Riffle 11 ft	3	3	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	3
All Habitats Combined 157 ft													146.8	147.7	20.6	20.6	0	168.3

Length of Stream Sampled (ft): 157 ft
 Young-of-the-Year / Size Class 1 per Foot of Stream: 0.9350/ 0.9408
 Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1312/ 0.1312

Steelhead Sampling Results

Date: 17Sep09 Stream: W. Br. Soquel Ck Sampled by: Alley, Steiner, Wheeler
Sampling Site: 19 (below Hester) Water Temp. and Times: 63.5° F @ 1734 hr,
 21Aug09 (air temp. 66° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#17 Run 18 ft	11	9	0	2	0	0	0	0	0	0	0	0	11	9	0	2	0	11
#18 Riffle 52 ft	29	21	0	8	10	9	0	1	2	1	0	1	42.7	33.3	0	10	0	43.3
#19 Pool 193 ft	26	18	11	19	6	5	1	2	7/8	3/8	0/0	4/0	47	34	12	25	0	59
All Habitat 263 ft													100.7	76.3	12	37	0	113.3

Length of Stream Sampled (ft): 263 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.3829/ 0.2901

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0456/ 0.1407

Steelhead Sampling Results

Date: 18Sep09 Stream: W. Br. Soquel Ck Sampled by: Alley, Steiner, Wheeler
 Sampling Site: 21 (above Girl Scout Falls I) Water Temp. and Times: 61° F @
 1248 hr, 21Aug09 (air temp. 66° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass/Fourth				Number Est. / Density Est. per ft					
	YOY	C- 1	1+	C- 2	YOY	C- 1	1+	C- 2	YOY	C- 1	1+	C- 2	YOY	C-1	1+	C-2	C-3	Total
#4 Step-Run 20 ft	9	9	1	1	0	0	0	0	0	0	0	0	9	9	1	1	0	10
#2 Riffle 8 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#3 Pool 113 ft	28	25	4	7	13	13	3	3	6	6	2	2	52.2	50.5	11	12.5	1.1	64.1
#5 Pool 91 ft	31	29	1	2	13	12	0	1	2	2	0	0	55.9	52.8	1	3.3	0	56.1
All Habitat 232 ft													118.1	113.3	13	16.8	1.1	131.2

Length of Stream Sampled (ft): 263 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.4490/ 0.4308

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0494/ 0.0681

Steelhead Sampling Results

Date: 22Sep09 Stream: Aptos Ck Sampled by: Alley, Wheeler, Steiner, Kittleson
 Sampling Site: 3 (Adj. County Park) Water Temp. and Times: 58° F @ 1402hr,
 18Aug09; (air temp. 60° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#27 Pool 168 ft	2	2	12	12	1	1	0	0	0	0	0	0	3.3	3.3	12	11	1	15.3
#44 Run 48 ft	2	2	1	1	2	2	0	0	0	0	0	0	4	4	1	1	0	5
#26 Riffle 36 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
All Habitats Combined 252 ft													8.3	8.3	13	12	1	21.3

Length of Stream Sampled (ft): 252 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0329/ 0.0329

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0516/ 0.0516

Steelhead Sampling Results

Date: 22Sep09 Stream: Aptos Ck Sampled by: Alley, Steiner, Wheeler
Sampling Site: 4 (Above Steel Bridge) Water Temp. and Times: 59° F@ 1645 hr,
 19Aug09; (air temp. 61° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#35 Pool 133 ft	3	0	6	9	2	0	0	2	0	0	0	0	5	0	6	11.3	0	11.3
#37 Pool 97 ft	4	0	4	8	1	0	1	2	0	0	0	0	5.1	0	5.1	10.3	0	10.3
#36 Riffle 52 ft	2	0	0	2	0	0	1	1	0	0	0	0	2	0	1	3.3	0	3.3
#34 Run 31 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Habitats Combined 313 ft													12.1	0	12.1	24.9	0	24.9

Length of Stream Sampled (ft): 313 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0387/ 0.0

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0387/ 0.0796

Steelhead Sampling Results

Date: 23Sep09 Stream: Valencia Ck Sampled by: Alley, Steiner, Reis
Sampling Site: 2 (below road crossing) Water Temp. and Times: 61° F@ 1515
hr, 20Aug09; (air temp. 65° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#32 Pool 87 ft	5	5	9	9	1	1	3	3	0	0	0	0	6.1	6.1	12.6	12.6	0	18.7
#34 Pool 40 ft	4	4	7	7	0	0	0	0	0	0	0	0	4	4	7	7	0	11
#36 Pool 61 ft	5	5	12	12	2	2	4	4	0	0	3	3	7.5	7.5	20.2	20.4	0	27.9
Pools Combined 188 ft													17.6	17.6	32.8	32.8	0	50.4
#40 Run 47 ft	5	5	3	3	0	0	0	0	1/0	1/0	1/0	1/0	6	6	4	4	0	10
#33 Riffle 11 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#35 Riffle 20 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Habitats Combined 266 ft													23.6	23.6	36.8	36.8	0	60.4

Length of Stream Sampled (ft): 266 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0887/ 0.0887

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1383/ 0.1383

Steelhead Sampling Results

Date: 23Sep09 Stream: Valencia Ck Sampled by: Alley, Steiner, Reis
 Sampling Site: 3 (Above road crossing) Water Temp. and Times: 61° F@ 1700
 hr, 21Aug09; (air temp. 67° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#20 Pool 64 ft	3	3	10	10	1	1	3	3	0	0	0	0	4.2	4.2	13.5	13.5	0	17.7
#22 Pool 40 ft	3	3	9	9	1	1	2	2	0	0	0	0	4.2	4.2	11.3	11.3	0	15.5
#24 Pool 51 ft	4	4	5	5	1	1	2	2	0	0	2	2	5.1	5.1	11	11	0	16.1
Pools Combined 155 ft													13.5	13.5	35.8	35.8	0	49.3
Run 20 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#19 Riffle 18 ft	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
#21 Riffle 6 ft`	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1
All Habitats Combined 199 ft													15.5	15.5	36.8	36.8	0	52.3

Length of Stream Sampled (ft): 199 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0779/ 0.0779

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1849/ 0.1849

Steelhead Sampling Results

Date: 24Sep09 Stream: Corralitos Ck Sampled by: Alley, Steiner, Wheeler.

Sampling Site: 1 (below dam) Water Temp. and Times: 61° F @ 1400hr, 28Aug09;
(air temp. 77°F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#25 Pool 72 ft	17	11	8	14	8	7	0	1	2	2	0	0	29.5	23.8	8	15	0	38.8
#32 Pool 41 ft	5	4	4	5	2	2	0	0	0	0	0	0	7.5	6.7	4	5	0	11.7
#24 Riffle 29 ft	5	2	1	4	1	1	0	0	0	0	0	0	6.1	3.3	1	4	0	7.3
#26 Run (partial) 77 ft	12	9	2	5	2	1	0	1	1	1	0	0	15	11	2	6.1	0	17.1
All Habitats Combined 219 ft													58.1	44.8	15	30.1	0	74.9

Length of Stream Sampled (ft): 219 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.2653/ 0.2046

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0685/ 0.1374

Steelhead Sampling Results

Date: 24Sep09 Stream: Corralitos Ck Sampled by: Alley, Steiner, Wheeler
Sampling Site: 3 (above Colinas Drive) Water Temp. and Times: 64° F @ 1822
hr, 28Aug09; (air temp. 72° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#10 Pool 43 ft	7	6	2	3	0	0	0	0	0	0	0	0	7	6	2	3	0	9
#12 Pool 65 ft	7	2	2	7	0	0	1	1	0	0	0	0	7	2	3.3	8.1	0	10.1
#13 Pool 91 ft	4	1	4	7	1	1	3	3	1	1	0	0	6.3	3	8	10.8	0	13.8
#11 Riffle 11 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
#14 Riffle 13 ft	0	0	1	1	1	0	0	1	0	0	0	0	1	0	1	2	0	2
#9 Run 45 ft	4	3	0	1	0	0	0	0	0	0	0	0	4	3	0	1	0	4
All Habitats Combined 268 ft													26.3	15	14.3	24.9	0	39.9

Length of Stream Sampled (ft): 268 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0981/ 0.0560

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0534/ 0.0929

Steelhead Sampling Results

Date: 25Sep09 Stream: Corralitos Ck Sampled by: Alley, Wheeler, Steiner
Sampling Site: 8 (above Clipper Gulch) Water Temp. and Times: 64° F @ 1410
 hr, 30Aug09; (air temp. 73° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C- 1	1+	C- 2	YOY	C- 1	1+	C- 2	YOY	C- 1	1+	C- 2	YOY	C-1	1+	C-2	C- 3	Total
#49 Pool 39 ft	11	9	4	6	1	1	2	2	0	0	1	1	12	10.1	8	8.4	1	19.5
#52 Pool 99 ft	33	32	14	15	15	14	1	2	3	3	1	1	55.2	52.7	16	18	0	70.7
#53 Step-run 52 ft	8	8	3	3	2	2	0	0	0	0	0	0	10.3	10.3	3	3	0	13.3
#50 Riffle 15 ft	1	1	0	0	2	1	0	1	0	0	0	0	3	2	0	1	0	3
All Habitats Combined 205 ft													80.5	75.1	27	30.4	1	106.5

Length of Stream Sampled (ft): 205 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.3927/ 0.3663

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1317/ 0.1532

Steelhead Sampling Results

Date: 1Oct08 Stream: Corralitos Ck Sampled by: Alley, Wheeler, Steiner
 Sampling Site: 9 (above Eureka Gulch) Water Temp. and Time: 64° F @ 1915 hr,
 30Aug09; (air temp. 63° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#49 Step-Pool 61 ft	33	33	9	9	6	6	2	2	2	2	2	2	41.1	41.1	13.5	13.5	0	54.6
#50 Pool 38 ft	16	16	5	52	2	2	2	2	1	1	0	0	19	19	7.5	6.4	1.1	26.5
#52 Step-pool 34 ft	22	22	6	6	5	5	3	3	1	1	2	2	28.4	28.4	13.2	13.2	0	41.6
#51 Step-run 24 ft	4	4	1	1	2	2	1	1	0	0	0	0	6.7	6.7	2	2	0	8.7
#57 Step-run 47 ft	13	12	3	4	1	1	0	0	1	1	0	0	15	14	3	4	0	18
All Habitats Combined 204 ft													110.2	109.2	39.2	39.1	1.1	149.4

Length of Stream Sampled (ft): 204 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.5402/ 0.5353

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1922/ 0.1971

Steelhead Sampling Results

Date: 25Sep09 Stream: Shingle Mill Gulch Sampled by: Alley, Steiner, Wheeler

Sampling Site: 1 (below 2nd Road crossing) Water Temp. and Times: 60° F @

1630hr, 25Sep09; (air temp.)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#30 Pool 36 ft	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	1	1	2
#32-33 Step-Pool 30 ft	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	2
#23 Riffle 14 ft	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1
#31 Step-run 25 ft	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	2
#34 Step-run 30 ft	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	2
All Habitats Combined 135 ft													0	0	9	8	1	9

Length of Stream Sampled (ft): 135 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0/ 0.0

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0667/ 0.0667

Steelhead Sampling Results

Date: 28Sep09 Stream: Shingle Mill Gulch Sampled by: Alley, Steiner, Wheeler

Sampling Site: 3 (above 3rd road crossing) Water Temp. and Times: 59° F @

1747hr, 24Aug09; (air temp. 63° F)

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#49 Pool 23 ft	2	2	1	1	0	0	2	2	0	0	0	0	2	2	3	3	0	5
#51 Pool 52 ft	7	7	4	4	2	2	0	0	1	1	0	0	10.3	10.3	4	4	0	14.3
#53 Pool 41 ft	7	7	4	4	4	4	0	0	1	1	0	0	13.7	13.7	4	4	0	17.7
#50 Riffle 19 ft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#59 Run 17 ft	1	1	0	0	1	1	0	0	0	0	0	0	2	2	0	0	0	2
All Habitats Combined 152 ft													28	28	11	11	0	39

Length of Stream Sampled (ft): 152 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.1843/ 0.1843

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.0724/ 0.0724

Steelhead Sampling Results

Date: 28Sep09 Stream: Browns Valley Ck Sampled by: Alley, Steiner, Reis
 Sampling Site: 1 (below diversion dam) Water Temp. and Times: 58° F @ 1218hr,
 28Sep09; (air temp.).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#1 Pool 65 ft	1	1	13	13	2	2	2	2	1	1	0	0	4	4	15.2	14	1.2	19.2
#3 Pool 57 ft	7	7	10	10	2	2	0	0	0	0	0	0	9.3	9.3	10	10	0	19.3
#2 Run 16 ft	2	2	0	0	0	0	0	0	1/0	1/0	0/0	0/0	3	3	0	0	0	3
#4 Riffle- 57 ft	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
All Habitats Combined 195 ft													17.3	17.3	25.2	24	1.2	42.5

Length of Stream Sampled (ft): 195 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.0887/ 0.0887

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1292/ 0.1292

Steelhead Sampling Results

Date: 28Sep09 Stream: Browns Valley Ck Sampled by: Alley, Wheeler, Steiner
Sampling Site: 2 (above diversion dam) Water Temp. and Times: 59° F @ 1505hr,
 25Aug09; (air temp. 67° F).

Habitat type & Length (ft)	First Pass				Second Pass				Third Pass				Number Est. / Density Est. per ft					
	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	YOY	C-1	1+	C-2	C-3	Total
#32 Pool 67 ft	14	14	9	9	2	2	1	1	7/0	7/0	0/0	0/0	23	23	10	10	0	33
#38 Pool 37 ft	13	13	5	5	8	8	2	2	1	1	0	0	25.6	25.6	7.5	7.5	0	33.1
#31 Run 24 ft	4	4	0	0	1	1	0	0	3/0	3/0	0/0	0/0	8	8	0	0	0	8
#30 Riffle 27 ft	9	9	1	1	1	1	0	0	0	0	0	0	10.1	10.1	1	1	0	11.1
All Habitats Combined 155 ft													66.7	66.7	18.5	18.5	0	85.2

Length of Stream Sampled (ft): 155 ft

Young-of-the-Year / Size Class 1 per Foot of Stream: 0.4303/ 0.4303

Yearlings and 2+ / Size Classes 2 and 3 per Foot of Stream: 0.1194/ 0.1194

APPENDIX D. Habitat and Fish Sampling Data With Size Histograms.
(Included electronically in a separate PDF file.)