

## Hilton Creek Snorkel Surveys 2004-2007

Reach 1 = confluence pool with long pool upstream to first bedrock canyon section  
 Reach 2 = first bedrock canyon section upstream to non-bedrock  
 Reach 3 = Run/riffle section upstream to the next bedrock section  
 Reach 4 = second bedrock section from the spawning pool upstream to the LRP  
 Reach 5 = From LRP upstream to URP influenced habitats  
 Reach 6 = upstream of URP to property boundary (approx. 100')

\*Reach 5 and 6 became available to steelhead/rainbow trout after the cascade/chute fix in the fall of 2005

### 3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
4-Jul-04	1	138	88	5	0	0	0	0	Qt= 510
	2	17	128	12	2	0	0	0	
	3	9	41	0	0	0	0	0	
	4	0	61	3	4	1	1	0	
	Total	164	318	20	6	1	1		

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
4-Sep-04	1	115	84	6	0	0	0	0	Qt= 587
	2	61	96	29	5	0	0	0	
	3	22	31	9	1	0	0	0	
	4	24	64	26	8	3	2	1	
	Total	222	275	70	14	3	2	1	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
23-Jun-05	1	735	82	8	0	1	0	0	Qt= 1517
	2	68	233	29	4	1	1	0	
	3	114	62	4	1	0	0	0	
	4	74	63	17	6	5	4	5	
	Total	991	440	58	11	7	5	5	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
6-Sep-05	1	347	317	11	1	0	0	0	Qt= 1303
	2	27	303	41	8	2	1	0	
	3	41	60	7	0	0	0	0	
	4	14	43	63	10	5	2	0	
	Total	429	723	122	19	7	3	0	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
21-Oct-05	1	225	374	48	3	0	0	0	Qt= 1272
	2	44	262	44	2	0	4	0	
	3	19	77	8	0	0	0	0	
	4	0	88	47	17	5	5	0	
	Total	288	801	147	22	5	9	0	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
27-Jun-06	1	310	156	18	0	0	0	0	Qt= 2740
	2	253	112	29	8	0	1	0	
	3	66	60	12	2	0	0	0	
	4	134	221	32	8	4	4	0	
	5	579	610	52	2	0	0	1	
	6	44	22	0	0	0	0	0	
	Total	1386	1181	143	20	4	5	1	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
17-Aug-06	1	102	49	2	1	1	0	1	Qt= 1891
	2	2	2	0	1	0	0	0	
	3	4	5	3	2	1	1	0	
	4	108	279	37	6	3	0	0	
	5	744	428	23	1	0	0	0	
	6	84	1	0	0	0	0	0	
	Total	1044	764	65	11	5	1	1	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
31-Oct-06	1	63	163	13	1	0	1	0	Qt= 2016
	2	16	98	12	3	0	0	0	
	3	31	49	7	0	0	0	0	
	4	62	347	53	12	1	1	0	
	5	428	601	31	0	0	0	1	
	6	20	2	0	0	0	0	0	
	Total	620	1260	116	16	1	2	1	

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
25-Jun-07	1	123	50	4	0	0	0	0	Qt= 1316
	2	56	84	15	3	1	0	0	
	3	29	36	2	0	0	0	0	
	4	25	181	83	6	1	0	0	
	5	230	319	67	1	0	0	0	
	6	0	0	0	0	0	0	0	
	Total	463	670	171	10	2	0	0	

### Salsipuedes Creek Snorkel Surveys 2004-2006

#### 3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
13-Jul-05		26	77	5	2	0	0	0	110

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
8-Sep-05		0	127	6	1	0	0	0	134

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
5-Jul-06		40	42	22	3	2	0	0	109

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
30-Aug-06		45	54	30	6	1	1	0	137

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
23-Oct-06		11	28	26	7	2	0	0	74

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
30-May-07		151	14	27	9	1	0	0	202

### El Jaro Creek Snorkel Surveys 2004-2006

#### 3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
13-Jul-05		7	6	10	2	0	0	0	Qt= 25

\*Very poor visibility during snorkel survey, revisited reach on 9-15-05 and conditions were the same

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
12-Sep-05		0	3	0	0	0	0	0	Qt= 3

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
5-Jul-06		2	16	17	1	0	0	0	Qt= 36

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
30-Aug-06		11	11	11	1	0	0	0	Qt= 34

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
23-Oct-06		0	7	11	1	0	0	0	Qt= 19

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
31-May-07		9	4	9	6	1	0	0	Qt= 29

### Ytias Creek Snorkel Surveys 2004-2006

		3" Size Classes of Steelhead/Rainbow Trout							
Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	
6-Jul-06		126	14	18	4	0	0	0	Qt= 162

### Quiota Creek Snorkel Surveys 2004-2006

#### 3\* Size Classes of Steelhead/Rainbow Trout

\*Only snorkeled 1 pool habitat between 5th and 6th road crossings

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
9-Aug-04		9	7	5	1	0	0	0	22

\*Only snorkeled 1 pool habitat between 5th and 6th road crossings

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
24-Aug-04		0	0	0	0	0	0	0	0

\*Survey began downstream of crossing 5 and ended upstream of crossing 7

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
14-Aug-06		97	34	7	4	0	0	0	142

\*Survey began downstream of crossing 5 and ended upstream of crossing 7

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
1-Nov-06		12	66	5	1	0	0	0	84

\*Survey began downstream of crossing 5 and ended upstream of crossing 7

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	Qt=
27-Jun-07		59	129	12	1	0	0	0	201

### Alisal Reach Snorkel Surveys 2004-2006

#### 3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
May 17-19, 200	Alisal	0	0	0	9	8	4	2	0

Qt= 23

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
June 13-14, 20	Alisal	0	9	0	2	4	2	1	0

Qt= 18

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
July 29-August 2, 2005	Alisal	0	7	5	1	6	1	0	0

Qt= 20

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
21-Jun-06	Alisal	3	44	21	57	6	3	0	0

Qt= 134

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
7-Aug-06	Alisal	0	11	40	32	6	0	0	0

Qt= 89

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
10-Oct-06	Alisal	0	9	42	29	4	1	0	0

Qt= 85

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
23-May-07	Alisal	0	0	0	5	23	18	6	0

Qt= 52

### Refugio Reach Snorkel Surveys 2004-2006

#### 3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
May 17-19, 2005	Refugio	0	0	1	9	12	7	1	0	30

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
June 13-14, 2005	Refugio	0	29	1	5	9	3	2	0	49

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
July 29-August 2, 2005	Refugio	0	41	8	2	4	3	3	1	62

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
20-Jun-06	Refugio	5	45	68	56	28	8	0	1	211

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
8-Aug-06	Refugio	5	59	102	67	23	9	0	1	266

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
11-Oct-06	Refugio	0	29	56	64	31	24	3	1	208

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	Qt=
23-May-07	Refugio	0	0	5	13	14	6	0	0	38

### Avenue of the Flags Reach Snorkel Surveys 2004-2006

3" Size Classes of Steelhead/Rainbow Trout

Date	Reach	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	
August 8, 2006 & August 14, 2006	Avenue	0	2	11	13	6	1	0	0	Qt= 33