January 1986

1/11

10LGRCY	37.80	Total Hatchery flow 50.95
8smRCY	12.31	
1&2W	10.63	
1&2BH	8.63	
WHRS	3.05 before pipe. 3.89 at fall .84 gain	
WTRS	4.74	
Bar-S	5.89	

1/25

10LGRCY	37.86	Total Hatchery flow 48.07
8smRCY	9.52	
1&2W	10.45	
1&2BH	8.35	
WHRS	2.92 before pipe. 3.61 at fall. .69 gain	
WTRS	4.74	
Bar-S	5.71	

February 1986

2/8 10LGRCY 37.41 Total Hatchery flow 47.74
8SMRCY 9.51
1&2W 10.30
1&2BH 8.20
WHRS 2.79 before pipe. 3.61 at fall. .82 gain
WTRS 4.69
Bar-S 5.71

2/15 10LGRCY 31.77 Total Hatchery flow 43.94
8SMRCY 10.99
1&2W 6.26
1&2BH 8.43
WHRS 4.59 before pipe. 5.77 at fall 1.18 gain
WTRS 2.66
Bar-S 3.60

2/22 10LGRCY 32.48 Total Hatchery flow 44.23
8SMRCY 11.08
1&2W 10.33
1&2BH 7.77
WHRS 2.66 before pipe. 3.33 at fall .67 gain
WTRS 4.44
Bar-S 5.89

March 1986

3/1
10LGRCY 32.49 Total Hatchery flow 44.83
8smRCY 11.39
1&2W 10.55
1&2BH 8.50
WHRS 2.66 before pipe. 3.61 at fall .95 gain
WTRS 21.89
Bar-S 6.06

3/8
10LGRCY 35.74 Total Hatchery flow 44.16
8smRCY 7.14
1&2W 10.15
1&2BH 7.90
WHRS 2.18 before pipe. 3.46 at fall 1.28 gain
WTRS 4.44
Bar-S 5.71

3/22
9LGRCY 31.65 Total Hatchery flow 43.48
8smRCY 9.41
1&2W 10.65
1&2BH 10.36
WHRS 3.05 before pipe. 5.77 at fall 2.72 gain
WTRS 4.59
Bar-S 6.06

April 1986

4/5 9LGRCY 30.77 Total Hatchery Flow 43.55
8smRCY 10.09
1&2W 9.98
1&2B4 10.05 (8.40)
WHRS 2.92 before pipe. 5.61 at fall 2.69 gain
WTRS 4.44 (water to bar-S 2.79 WTRS
Bar-S 5.54 4/5/86 7.35)

4/19 8LGRCY 30.64 Total Hatchery Flow 38.60
4smRCY 6.12
1&2W 9.59
1&2B4 5.88
WHRS 1.62 before fall. 3.46 at fall 1.84 gain
WTRS 2.42
Bar-S 7.17

May 1986

5/3/86 9LGRCY 27.70 Total Hatchery flow 35.77
4SMRCY 6.70
1+2W 9.71
1+2BH 8.31
WHRS 3.90 before pipe 5.77 at fall 1.87 gain
WTRS 2.54
Bar-S 7.17

5/17/86 9LGRCY 30.39 Total Hatchery flow 42.67
8SMRCY 10.61
1+2W 12.41
1+2BH 8.57
WHRS 3.45 before pipe 5.12 at fall 1.67 gain
WTRS 3.45
Bar-S 8.69

5/31/86 9LGRCY 30.90 Total Hatchery flow 43.56
8SMRCY 10.75
1+2W 10.01
1+2BH 9.46
WHRS 4.89 before pipe 6.80 at fall 1.91 gain
WTRS 2.66
Bar-S 7.35

June 1986

6/14	9LGRCY	31.24	Total Hatchery flow 45.02
	8SMRCY	12.00	
	1&2W	10.27	
	1&2OH	9.90	
	WHRS	5.20 before pipe. 6.98 at fall 1.78 gain	
	WTRS	2.92	
	Bar-S	7.35	

6/28	9LGRCY	34.92	Total Hatchery flow 45.47
	4SMRCY	8.75	
	1&2W	9.83	
	1&2OH	9.64	
	WHRS	5.48 before pipe. 6.98 at fall 1.50 gain	
	WTRS	2.66	
	Bar-S	7.17	

July 1986

7/12 9LGRCY 34.49 Total Hatchery flow 45.18

8smRCY 8.81

1d2W 9.83

1d2BH 7.46

WHRS 2.92 before pipe. 4.80 at fall 1.88 gain

WTRS 2.66

Bar-S 7.17

7/26 9LGRCY 34.25 Total Hatchery flow 45.36

8smRCY 9.36

1d2W 9.64

1d2BH 7.46

WHRS 3.05 before pipe. 4.80 at fall. 1.75 gain

WTRS 2.66

Bar-S 6.98

August 1986

8/9/86	10LGRCY	36.97	Total Hatchery flow 49.94
	4smRCY	10.78	
	1&2W	10.60	
	1&2BH	8.82	
	WHRS	3.58 before pipe. 5.77 at fall. 2.19 gain	
	WTRS	3.05	
	Bar-5	7.55	
8/23/86	10LGRCY	38.85	Total Hatchery flow 49.88
	4smRCY	9.33	
	1&2W	11.24	
	1&2BH	5.01	
	WHRS	1.70 at fall 1.70 gain	
	WTRS	3.31	
	Bar-5	7.93	

September 1986

9/6 10LGRCY 38.88 Total Hatchery flow 50.66

85mRCY 10.21

10ZW 10.22

10ZBH 7.54

WHRS 2.92 before pipe was at fall, 1.57 gain

WTRS 3.05

Bar-S 7.17

9/27 10LGRCY 34.92 Total Hatchery flow 48.73

85mRCY 11.00

10ZW 10.40

10ZBH 8.69

WHRS 2.80 5.61 at fall 2.81 gain

WTRS 3.05

Bar-S 7.35

October 1986

10/4	10LGRCY	37.23	Total Hatchery flow 51.23
	4smRCY	12.38	
	1&2W	10.86	
	1&2OH	8.11	
	WHRS	3.18 Before, 4.80 fall, 1.62 gain	
	WTRS	3.31	
	Bar-S	7.55	
10/11	10LGRCY	36.23	Total Hatchery flow 48.99
	8smRCY	11.15	
	1&2W	10.74	
	1&2OH	7.99	
	WHRS	3.19, 4.80	1.61 gain
	WTRS	3.19	
	Bar-S	7.55	
10/19	7LGRCY	35.21	Total Hatchery flow 48.49
	8smRCY	11.79	
	1&2W	11.19	
	1&2OH	8.25	
	WHRS	3.31, 4.80	1.49 gain
	WTRS	3.45	
	Bar-S	7.74	
10/25	10LGRCY	39.15	Total Hatchery flow 53.97
	8smRCY	13.72	
	1&2W	11.51	
	1&2OH	8.54	
	WHRS	3.86, 4.96	1.10 gain
	WTRS	3.58	
	Bar-S	7.93	

November 1986

11/1	10LGRCY	37.61		Total Hatchery flow 51.96
	8SMRCY	13.53		
	1&2W	11.32		
	1&2BH	8.70		
	WHRS	4.30 ,	5.12	.82 gain
	WTRS	3.58		
	Bar-S	7.74		

11/8	9LGRCY	38.15		Total Hatchery flow 52.32
	8SMRCY	13.47		
	1&2W	11.58		
	1&2BH	9.02		
	WHRS	4.74 ,	5.44	.70 gain
	WTRS	3.58		
	Bar-S	8.00		

11/15	10LGRCY	39.69		Total Hatchery flow 53.64
	8SMRCY	13.13		
	1&2W	11.32		
	1&2BH.	8.70		
	WHRS	4.30 ,	5.12	.82 gain
	WTRS	3.58		
	Bar-S	7.74		

11/22	10LGRCY	39.34		Total Hatchery flow 53.82
	8SMRCY	13.82		
	1&2W	10.86		
	1&2BH	8.27		
	WHRS	4.30 ,	4.96	.66 gain
	WTRS	3.31		
	Bar-S	7.55		

11/29	10LGRCY	38.35	Total Hatchery flow 52.42
	8SMRCY	13.23	
	10ZW	11.19	
	10ZBH	8.73	
	WHRS	4.44	5.28 after . .84 gain
	WTRS	3.45	
	Bar-S	7.74	

December 1986

12/6	10LGRCY	37.23	Total Hatchery flow 48.47
	4smRCY	10.60	
	102W	11.05	
	102BH	7.96	
	WHRS	4.01.	4.65 after. .64 gain
	WTRS	3.31	
	Bar-S	7.74	
12/13	9LGRCY	37.71	Total Hatchery flow 50.77
	8smRCY	11.75	
	102W	11.46	
	102BH	9.33	
	WHRS	4.30.	5.61 after 1.31 gain
	WTRS	3.72	
	Bar-S	7.74	
12/20	10LGRCY	38.53	Total Hatchery flow 51.44
	8smRCY	11.93	
	102W	9.66	
	102BH	7.35	
	WHRS	4.30.	5.28 after .98 gain
	WTRS	3.28	
	Bar-S	6.61	
12/27	10LGRCY	38.22	Total Hatchery flow 50.04
	8smRCY	10.96	
	102W	10.27	
	102BH	6.96	
	WHRS	3.18.	4.04 after .86 gain
	WTRS	2.92	
	Bar-S	7.35	

January 1987

1/3	10LGRCY	37.71		Total Hatchery flow 49.03
	8SMRCY	10.88		
	1&2W	10.78		
	1&2OH	8.78		
	WHRS	3.45.	3.89.	.44 gain
	WTRS	4.89		
	Bar-S	5.89		

1/10/87	10LGRCY	37.90		Total Hatchery flow 49.68
	8SMRCY	11.07		
	1&2W	10.78		
	1&2OH	8.78		
	WHRS	3.18.	3.89.	.71 gain
	WTRS	4.89		
	Bar-S	5.89		

1/17/87	10LGRCY	38.17		Total Hatchery flow 49.17
	8SMRCY	10.85		
	1&2W	10.76		
	1&2OH	8.38		
	WHRS	3.18.	3.33.	.15 gain
	WTRS	5.05		
	Bar-S	5.71		

1/24/87	10LGRCY	39.17		Total Hatchery flow 46.95
	4SMRCY	7.04		
	1&2W	9.63		
	1&2OH	7.36		
	WHRS	2.18.	2.92.	.74 gain
	[illegible]	4.44		

1/31	10LGRCY	36.05		Total Hatchery Slow	46.10
	smRCY	9.24			
	1&2W	9.96			
	1&2B4	8.19			
	WHRS	1.79.	3.60.	.81gain	
	WTRS	4.69			
	Bar-S	5.37			

February 1987

2/7	10LGRCY	36.11	Total Hatchery flow 46.35	
	8SmRCY	8.99		
	1&2W	10.48		
	1&2BH	8.63		
	WHRS	2.79,	4.04,	1.25gain
	WTRS	4.59		
	Bar-S	5.89		
2/15	10LGRCY	36.93	Total Hatchery flow 47.61	
	8SmRCY	9.72		
	1&2W	9.96		
	1&2BH	8.34		
	WHRS	2.79,	3.75,	.96gain
	WTRS	4.59		
	Bar-S	5.37		
2/21	9LGRCY	35.26	Total Hatchery flow 44.21	
	4SmRCY	8.13		
	1&2W	9.01		
	1&2BH	7.20		
	WHRS	2.18.	3.05.	.87gain
	WTRS	4.15		
	Bar-S	4.86		
2/28	9LGRCY	35.44	Total Hatchery flow 44.28	
	4SmRCY	8.22		
	1&2W	9.04		
	1&2BH	6.93		
	WHRS	2.30.	2.92.	.62gain
	WTRS	4.01		

March 1987

3/14	10LGRCY	35.81	Total Hatchery flow 44.51	
	4SmRCY	8.54		
	1&2W	10.45		
	1&2BH	8.35		
	WHRS	3.45.	3.61.	.16 gain
	WTRS	4.74		
	Bar-S	5.71		
3/21	9LGRCY	35.31	Total Hatchery flow 44.51	
	4SmRCY	8.23		
	1&2W	9.63		
	1&2BH	8.33		
	WHRS	2.92.	3.89.	.97 gain
	WTRS	4.44		
	Bar-S	5.19		
3/28	9LGRCY	32.07	Total Hatchery flow 39.65	
	4SmRCY	7.09		
	1&2W	8.87		
	1&2BH	6.80		
	WHRS	2.30.	2.79	.49 gain
	WTRS	4.01		
	Bar-S	4.86		

April 1987

4/4 9LGRCY 34.38 Total Hatchery flow 41.86
4smRCY 6.53
1&2W 9.78
1&2BH 8.20
WHRS 2.66. 3.61. .95 gain
WTRS 4.59
Bar-S 5.19

4/11 9LGRCY 34.43 Total Hatchery flow 45.08
8smRCY 9.03
1&2W 9.33
1&2BH 9.10
WHRS 3.18. 4.80. 1.62 gain
WTRS 4.30
Bar-S 5.03

4/18 9LGRCY 32.81 Total Hatchery flow 44.28
8smRCY 9.72
1&2W 8.87
1&2BH 8.81
WHRS 3.05. 4.80. 1.75 gain
WTRS 4.01
Bar-S 4.86

4/25 7LGRCY 30.51 Total Hatchery flow 41.10
8smRCY 9.58
1&2W 8.12
1&2BH 5.25
WHRS 2.18. 3.19 1.01 gain
WTRS 2.06

May 1987

5/9	9LGRCY	29.84	Total Hatchery flow 39.51	
	4smRCY	8.40		
	1&2W	8.73		
	1&2BH	6.49		
	WHRS	2.92.	4.19.	1.27 gain
	WTRS	2.30		
	Bar-S	6.43		
5/16	9LGRCY	31.10	Total Hatchery flow 40.54	
	4smRCY	7.71		
	1&2W	7.89		
	1&2BH	6.83		
	WHRS	2.92.	4.65.	1.73 gain
	WTRS	2.18		
	Bar-S	5.71		
5/23	9LGRCY	30.98	Total Hatchery flow 41.21	
	4smRCY	7.67		
	1&2W	8.07		
	1&2BH	7.79		
	WHRS	3.05.	5.61.	2.56 gain
	WTRS	2.18		
	Bar-S	5.89		

June 1987

6/6 9LGRCY 32.86 Total Hatchery flow 43.65
8smRCY 9.32
1&2W 7.95
1&2BH 7.83
WHRS 4.30. 5.77. 1.47 gain
WTRS 2.06
Bar-S 5.89

6/13 9LGRCY 32.59 Total Hatchery flow 42.27
8smRCY 8.97
1&2W 9.91
1&2BH 6.82
WHRS 3.18. 3.89. .71 gain
WTRS 2.93
Bar-S 6.98

6/20 9LGRCY 31.37 Total Hatchery flow 40.40
8smRCY 8.20
1&2W 9.96
1&2BH 6.54
WHRS 2.92. 3.75. .83 gain
WTRS 2.79
Bar-S 7.17

6/27 10LGRCY 29.78 Total Hatchery flow 39.15
8smRCY 8.14
1&2W 9.45
1&2BH 6.55
WHRS 2.66. 3.89. 1.23 gain
WTRS 2.66

July 1987

7/4	10LGRCY	31.16		Total Hatchery flow 42.92
	8smRCY	9.56		
	1&2W	9.77		
	1&2BH	7.91		
	WHRS	2.92.	5.12.	2.20 gain
	WTRS	2.79		
	Bar-S	6.98		

7/11	9LGRCY	32.42		Total Hatchery flow 43.23
	8smRCY	9.56		
	1&2W	9.71		
	1&2BH	6.96		
	WHRS	4.04.	2.79.	1.25 gain
	WTRS	2.92		
	Bar-S	6.79		

7/18	10LGRCY	33.03		Total Hatchery flow 44.12
	8smRCY	9.98		
	1&2W	9.64		
	1&2BH	7.78		
	WHRS	4.01.	5.12.	1.11 gain
	WTRS	2.66		
	Bar-S	6.98		

7/25	10LGRCY	33.24		Total Hatchery flow 44.56
	4smRCY	9.85		
	1&2W	10.09		
	1&2BH	8.69		
	WHRS	4.30.	5.77.	1.47 gain
	WTRS	2.92		
	Bar-S	7.7		

August 1987

8/1	9LGRCY	35.59	Total Hatchery flow 44.94	
	8smRCY	8.69		
	1&2W	10.40		
	1&2BH	8.01		
	WHRS	4.30.	496.	.66gain
	WTRS	3.05		
	Bar-S	7.35		

8/8	9LGRCY	34.30	Total Hatchery flow 45.43	
	8smRCY	9.17		
	1&2W	9.71		
	1&2BH	9.03		
	WHRS	4.15.	6.11.	1.96gain
	WTRS	2.92		
	Bar-S	6.79		

8/25	10LGRCY	36.34	Total Hatchery flow 48.11	
	8smRCY	11.46		
	1&2W	10.53		
	1&2BH	8.79		
	WHRS	4.30.	5.61.	1.31gain
	WTRS	3.18		
	Bar-S	7.35		

8/29	10LGRCY	36.53	Total Hatchery flow 48.53	
	8smRCY	10.73		
	1&2W	10.40		
	1&2BH	8.30		
	WHRS	4.01.	5.28.	1.27gain
	WTRS	3.05		

September 1987

9/5	10LGRCY	36.21		Total Hatchery Flow 50.00
	4smRCY	12.65		
	1&2W	10.53		
	1&2BH	8.62		
	WHRS	4.30.	5.44.	1.14 gain
	WTRS	3.18		
	Bar-S	7.35		
9/12	10LGRCY	36.60		Total Hatchery Flow 51.29
	4smRCY	12.68		
	1&2W	10.60		
	1&2BH	9.50		
	WHRS	4.44.	6.45.	2.01 gain
	WTRS	3.05		
	Bar-S	7.55		
9/19	10LGRCY	36.65		Total Hatchery Flow 51.69
	4smRCY	12.65		
	1&2W	11.05		
	1&2BH	10.00		
	WHRS	4.30.	6.69.	2.39 gain
	WTRS	3.31		
	Bar-S	7.74		
9/25	Turn off	Pump		
9/26	10LGRCY	34.19		Total Hatchery Flow 50.43
	8smRCY	13.70		
	1&2W	9.96		
	1&2BH	9.77		
	WHRS	4.44.	6.98.	2.54
	WTRS	2.79		
	Bar-S	7.17		

October 1987

10/3	10LGRCY	35.27	Total Hatchery Flow 51.56	
	8SmRCY	13.73		
	1&2W	9.58		
	1&2BH	9.94		
	WHRS	4.59.	7.15.	2.56 gain
	WTRS	2.79		
	Bar-5	6.79		
10/10	10LGRCY	37.15	Total Hatchery Flow 51.91	
	8SmRCY	13.88		
	1&2W	9.90		
	1&2BH	8.69		
	WHRS	4.89.	5.77.	.88 gain
	WTRS	2.92		
	Bar-5	6.98		
10/17	10LGRCY	38.13	Total Hatchery Flow 53.44	
	8SmRCY	14.06		
	1&2W	9.97		
	1&2BH	9.63		
	WHRS	5.20.	6.45	1.25 gain
	WTRS	3.18		
	Bar-5	6.79		
10/24	10LGRCY	35.94	Total Hatchery Flow 50.42	
	8SmRCY	13.60		
	1&2W	9.90		
	1&2BH	8.69		
	WHRS	4.89.	5.77.	.88 gain
	WTRS	2.92		

10/31	10LGRCY	36.64		Total Hatchery flow 49.30
	45mRCY	11.55		
	1&2W	10.22		
	1&2B4	8.17		
	WHRS	4.01.	5.12.	1.11 gain
	WTRS	3.05		
	Bar5	7.17		

November 1987

11/7	10LGRCY	37.95	Total Hatchery flow 48.13	
	4smRCY	9.42		
	1&2W	9.40		
	1&2BH	7.13		
	WHRS	3.58.	4.34.	.76 gain
	WTRS	2.79		
	Bar-S	6.61		
11/14	10LGRCY	37.05	Total Hatchery flow 51.53	
	8smRCY	13.13		
	1&2W	9.97		
	1&2BH	9.12		
	WHRS	4.59.	5.94	1.35 gain
	WTRS	3.18		
	Bar-S	6.79		
11/21	10LGRCY	37.38	Total Hatchery flow 51.52	
	8smRCY	13.16		
	1&2W	10.03		
	1&2BH	8.33		
	WHRS	4.30	5.28	.98 gain
	WTRS	3.05		
	Bar-S	6.98		
	SP	.74	SS .22 ml	
11/28	10LGRCY	36.77	Total Hatchery flow 50.62	
	8smRCY	13.01		
	1&2W	10.03		
	1&2BH	8.33		
	WHRS	4.44.	5.28.	.84 gain
	WTRS	3.05		
	Bar-S	6.98		

December 1987

12/5	10LGRCY	37.13	Total Hatchery flow 50.36	
	8smRCY	12.71		
	1&2W	9.53		
	1&2BH	7.88		
	WHRS	4.44.	4.96	.52 gain
	WTRS	2.92		
	Bar-S	6.61		
	SP	1.23	sample .1	
12/12	10LGRCY	38.50	Total Hatchery flow 51.36	
	8smRCY	12.53		
	1&2W	8.43		
	1&2BH	7.19		
	WHRS	4.30.	4.65.	.35 gain
	WTRS	2.54		
	Bar-S	5.89		
	SP	2.05	sample .1	
12/19	10LGRCY	34.38	Total Hatchery flow 47.18	
	8smRCY	12.01		
	1&2W.	9.90		
	1&2BH	7.57		
	WHRS	3.86.	4.65.	.79 gain
	WTRS	2.92		
	Bar-S	6.98		
	SP	1.32	sample .1	
12/26	8LGRCY	34.85	Total Hatchery flow 49.09	
	8smRCY	12.89		
	1&2W	9.90		
	1&2BH	7.72		
	WHRS	3.45.	4.80.	1.35 gain
	WTRS	2.92		
	Bar-S	6.98		

January 1988

1/2/88	10LGRCY	34.92	Total Hatchery flow 47.41	
	8smRCY	12.16		
	1&2W	10.22		
	1&2BH	7.39		
	WHRS	4.01.	4.34.	.33 gain
	WTRS	3.05		
	Bar-S	7.17		
	S P	1.14	sample 2.1	
1/9/88	10LGRCY	34.31		
	8smRCY	9.47	Total Hatchery flow 44.66	
	1&2W	9.71		
	1&2BH	7.11		
	WHRS	3.51.	4.19.	.68 gain
	WTRS	2.92		
	Bar-S	6.79		
	S.P.	.82	sample .1	
1/16/88	7LGRCY	34.88	Total Hatchery flow 45.24	
	8smRCY	10.00		
	1&2W	9.58		
	1&2BH	7.59		
	WHRS	4.44.	4.80.	.36 gain
	WTRS	2.79		
	Bar-S	6.79		
	S. P.	2.64	sample 2.1	
1/23/88	10LGRCY	33.91	Total Hatchery flow 44.91	
	8smRCY	10.16		
	1&2W	8.97		
	1&2BH	6.43		
	WHRS	3.05.	3.89.	.84 gain
	WTRS	2.54		

1/31/88 10LGRC4 35.06 Total Hatchery flow 45.84

85mRC4 9.47

1&2W 9.27

1&2BH 7.15

WHRS 3.18. 4.49. 1.31 gain

WTRS 2.66

Bar-S 6.61

SP. 1.14 sample L.1

February 1988

2/6	10LGRCY	33.84		Total Hatchery flow 45.04
	4smRCY	9.67		
	1&2W	11.09		
	1&2BH	9.39		
	WHRS	2.66.	4.19.	1.53 gain
	WTRS	5.20		
	Bar-S	5.89		
	SP	1.14	sample <.1	
2/14	10LGRCY	34.02		Total Hatchery flow 44.74
	4smRCY	9.76		
	1&2W	10.43		
	1&2BH	8.64		
	WHRS	2.79.	3.75.	.96 gain
	WTRS	4.89		
	Bar-S	5.54		
	S.P.	1.14	sample <.1	
2/20	10LGRCY	34.00		Total Hatchery flow 44.53
	8smRCY	9.03		
	1&2W	9.98		
	1&2BH	8.48		
	WHRS	2.54.	4.04.	1.50 gain
	WTRS	4.44		
	Bar-S	5.54		
	S.P.	.82	sample <.1	
2/27	10LGRCY	32.67		Total Hatchery flow 42.49
	8smRCY	8.85		
	1&2W	9.67		
	1&2BH	7.81		
	WHRS	2.54.	3.51.	.97 gain
	WTRS	4.30		
	Bar-S	5.37		

March 1988

3/5 10LGRCY 33.54 Total Hatchery flow 44.64
8smRCY 10.00
1&2W 9.96
1&2OH 8.48
WHRS 2.79. 3.89. 1.10 gain
WTRS 4.59
Bar-S 5.37
SP 1.14 sample <.1

3/12 9LGRCY 32.36 Total Hatchery flow 42.49
8smRCY 9.57
1&2W 9.96
1&2OH 8.98
WHRS 3.05. 3.61. .56 gain
WTRS 4.59
Bar-S 5.37
SP .97 sample <.1

3/19 8LGRCY 30.87
8smRCY 9.75 Total Hatchery flow 41.36
1&2W 9.78
1&2OH 8.78
WHRS 3.45. 4.19. .74 gain
WTRS 4.59
Bar-S 5.19
SP 1.59 <.1

3/26 9LGRCY 30.73
8smRCY 8.00 Total Hatchery flow 39.80
1&2W 8.87
1&2OH 8.47
WHRS 2.54. 3.61. 1.07 gain
WTRS 4.01
Bar-S 4.86
SP 2.10 sample <.1

April 1988

4/2	9LGRCY	32.38	Total Hatchery flow 39.37
	4smRCY	5.98	
	1&2W	7.93	
	1&2BH	6.91	
	WHRS	2.18	3.19. 1.01 gain
	WTRS	3.72	
	Bar-S	4.21	
	silT Pond	1.89	sample .5 heavy vacuuming on 4/2
4/9	9LGRCY	29.91	
	4smRCY	6.19	Total Hatchery flow 36.59
	1&2W	7.21	
	1&2BH	6.10	
	WHRS	2.30.	2.79. .49 gain
	WTRS	3.31	
	Bar-S	3.90	
	S P	1.06	sample .1
4/16	9LGRCY	28.10	Total Hatchery flow 36.71
	4smRCY	7.21	
	1&2W	9.03	4/15 Turn water to Bar S Ditch.
	1&2BH	5.34	
	WHRS	1.52.	2.92. 1.40 gain
	WTRS	2.42	
	Bar-S	6.61	
	S.P.	X	4/18 Turn on pump
4/30	9LGRCY	30.74	Total Hatchery flow 40.37
	4smRCY	8.89	
	1&2W	9.53	
	1&2BH	5.84	
	WHRS	2.18.	2.92. .74 gain
	WTRS	2.92	
	Bar-S	6.61	

4/23	9LGRCY	29.42	Total Hatchery flow 40.18	
	8SMRCY	8.92		
	1&2W	9.97		
	1&2BH	6.64		
	WHRS	1.62.	3.46.	1.84 gain
	WTRS	3.18		
	Bar-S	6.79		
	SP	1.69	sample L.1	

May 1988

5/7	9LGRCY	30.74	Total Hatchery flow 40.37	
	85mRCY	8.89		
	1&2W	9.53		
	1&2BH	5.84		
	WHRS	2.18.	2.92.	.74 gain
	WTRS	2.92		
	Bar-S	6.61		
	SP	1.23	<.1 sample	
5/14	7LGRCY	27.97		
	85mRCY	8.88	Total Hatchery flow 37.38	
	1&2W	10.03		
	1&2BH	6.24	5/18/88 water samples 8 hour 7:30 to 3:00	
	WHRS	2.66.	3.19.	.53 gain
	WTRS	3.05		
	Bar-S	6.98		
	SP	X		
5/28	6LGRCY	28.23	Total Hatchery flow 37.78	
	4smRCY	8.02		
	1&2W	8.78		
	1&2BH	6.73		
	WHRS	2.66.	4.19.	1.53 gain
	WTRS	2.54		
	Bar-S	6.24		
	SP	X		

June 1988

6/5 6LGRCY 28.56 Total Hatchery flow 39.22
4smRCY 8.40
1&2W 8.48
1&2BH 7.22
WHRS 2.54. 4.80 2.26 gain
WTRS 2.42
Bar-S 6.06
S.P. 0

6/11 6LGRCY 26.32 Total Hatchery flow 38.11
8smRCY 9.30
1&2W 8.90
1&2BH 7.94 6/14/88 water sample 8:30 to 3:30. settleable solids <.1
WHRS 2.79. 5.28. 2.49 gain
WTRS 2.66
Bar-S 6.24
S.P 0

6/18 8LGRCY 25.25 Total Hatchery flow 34.65
8smRCY 8.47
1&2W 10.48
1&2BH 7.96
WHRS 3.72. 4.65. .93 gain
WTRS 3.31
Bar-S 7.17
S.P 0

6/25 9LGRCY 25.50 Total Hatchery flow 34.83
8smRCY 8.09
1&2W 10.09
1&2BH 7.88
WHRS 3.72. 4.96. 1.24 gain
WTRS 2.92
Bar-S 7.17
S.P 0

July 1988

7/2	9LGRCY	25.67	Total Hatchery flow 36.42	
	8smRCY	9.05		
	1&2W	10.53		
	1&2OH	8.46		
	WHRS	3.58.	5.28.	1.70 gain
	WTRS	3.18		
	Bar-S	7.35		
	S.P.	0		
7/9	7LGRCY	24.01	Total Hatchery flow 35.15	
	8smRCY	9.28		
	1&2W	11.65		
	1&2OH	10.17		
	WHRS	4.59.	6.45.	1.86 gain
	WTRS	3.72		
	Bar-S	7.93		
	S.P.	0		
7/16	7LGRCY	25.53	Total Hatchery flow 35.89	
	4smRCY	9.22		
	1&2W	11.38		
	1&2OH	8.89		
	WHRS	4.30.	5.44.	1.14 gain
	WTRS	3.45		
	Bar-S	7.93		
	S.P.	0		
7/23	7LGRCY	23.76	Total Hatchery flow 34.01	
	4smRCY	9.07		
	1&2W	11.32		
	1&2OH	9.35		
	WHRS	4.59.	5.77	1.18 gain
	WTRS	3.58		
	Bar-S	7.74		
	S.P.			

7/30

8RGRCY	28.77		Total Hatchery flow 39.68
4SMRCY	10.02		
1+2W	12.98		
1+2BH	10.09		
WHRS	5.05,	5.94.	.89 gain
WTRS	4.15		
Burs	8.83		
S.P.	0		

August 1988

8/6 8LGRCY 26.68 Total Hatchery flow 39.56
8smRCY 10.62
1&2W 10.66
1&2BH 10.46
WHRS 4.89. 7.15. 2.26 gain
WTRS 3.31
Bar-S 7.35

8/13 8LGRCY 29.65 Total Hatchery flow 41.42
8smRCY 10.14
1&2W 10.53
1&2BH 10.33
WHRS 5.52. 7.15. 1.63 gain
WTRS 3.18
Bar-S 7.35

8/17 water sample from Hatchery Raceways. 0 settleable solids L.1

8/20 8LGRCY 28.17 Total Hatchery flow 40.69
8smRCY 9.57
1&2W: 10.22
1&2BH 11.68
WHRS 5.68. 8.63. 2.95 gain
WTRS 3.05
Bar-S 7.17

8/27 8LGRCY 29.14 Total Hatchery flow 40.44
8smRCY 10.00
1&2W 10.22:
1&2BH 10.03
WHRS 5.68. .698. 1.30 gain
WTRS 3.05
Bar-S 7.17

September 1988

9/3	10LGRCY	32.16		Total Hatchery flow 43.75
	85mRCY	9.33		
	1&2W	9.45		
	1&2BH	9.81		
	WHRS	4.89.	7.15.	2.26 gain
	WTRS	2.66		
	Bar-S	6.79		

9/9	10LGRCY	33.40		Total Hatchery flow 47.42
	85mRCY	11.22		
	1&2W	10.40		
	1&2BH	9.16		
	WHRS	3.31.	6.11.	2.80 gain
	WTRS	3.05		
	Bar-S	7.35		

9/18	10LGRCY	35.47		Total Hatchery flow 48.45
	85mRCY	10.04		
	1&2W	10.35		
	1&2BH	9.98		
	WHRS	3.86.	6.80.	2.94 gain
	WTRS	3.18		
	Bar-S	7.17		

9/23	10LGRCY	39.99		Total Hatchery flow 54.37
	45mRCY	12.12		
	1&2W	10.86		
	1&2BH	10.46		
	WHRS	4.89.	7.15.	2.26 gain
	WTRS	3.31		
	Bar-S	7.55		

9/30	10LGRCY	39.26	Total Hatchery flow 54.62	
	8smRCY	12.74		
	12W	10.40		
	12BH	10.56		
	WHRS	4.89	7.51	2.62 gain
	WTRS	3.05		
	Bar-5	7.35		

October 1988

10/7 10LGRCY 37.04 Total Hatchery flow 51.36
8smRCY 12.80
1&2W 9.58
1&2BH 8.90 sample Hatchery Effluent 2.1 mgl
WHRS 4.59. 6.11. 1.52 gain
WTRS 2.79
Bar-S 6.79

10/11 Turn water out of Bar-S ditch.

10/14 10LGRCY 36.69 Total Hatchery flow 50.48
8smRCY 12.93
1&2W 9.10
1&2BH 12.02 Hatchery Effluent sample 2.1 mgl
WHRS 2.06. 2.92. .86 gain
WTRS 9.10
Bar-S 0

10/21 10LGRCY 37.37 Total Hatchery flow 51.47
8smRCY 12.95
1&2W 8.64
1&2BH 11.97 -
WHRS 2.18. 3.33. 1.15 gain
WTRS 8.64
Bar-S 0
SP 0 sample 2.1

10/28 7LGRCY 34.58
8smRCY 12.05 Total Hatchery flow 48.23
1&2W 9.64
1&2BH 8.27
WHRS 4.01. 5.61. 1.60 gain
WTRS 2.66
Bar-S 6.98
SP

November 1988

11/4/88 10LGRCY 35.55 Total Hatchery flow 49.74
8smRCY 12.88
1&2W 10.80
1&2OH 10.60
WHRS 5.84. 7.15. 1.31 gain 42.39
WTRS 3.45
Bar-S 7.35
SP 1.06 sample L.1

11/11/88 10LGRCY 35.80
8smRCY 11.53 Total Hatchery Flow 48.72
1&2W 10.40
1&2OH 9.33
WHRS 4.89. 6.28. 1.39 gain 41.39
WTRS 3.05
Bar-S 7.35
S P 1.14 sample .1

11/19/88 10LGRCY 35.97
8smRCY 10.35 Total Hatchery flow 47.67
1&2W 10.22
1&2OH 8.99
WHRS 4.59. 5.94. 1.35 gain 40.5
WTRS 3.05
Bar-S 7.17
S. P. 1.41 sample L.1

11/26/88 10LGRCY 35.41
8smRCY 10.78 Total Hatchery flow 47.04
1&2W 10.22 39.87
1&2OH 8.99
WHRS 4.59. 5.94. 1.35 gain
WTRS 3.05 41.03 ave
Bar-S 7.17 76.5 MGD

December 1988

12/2/88 10LGRCY 36.79 Total Hatchery flow 48.39
85mRCY 10.35
1&2W 9.81
1&2OH 10.89
WHRS 5.20. 6.45. 1.25gain
WTRS 4.44
Bar-S 5.37
SP .97 sample L.1

12/9/88 10LGRCY 33.77
85mRCY 10.28 Total Hatchery flow 45.23
1&2W 8.48
1&2OH 9.22
WHRS 4.59. 5.77. 1.18gain
WTRS 3.45
Bar-S 5.03
SP

12/16 10LGRCY 34.53
85mRCY 10.45 Total Hatchery flow 45.86
1&2W 8.71
1&2OH: 9.78
WHRS 4.89. 5.77. .88gain
WTRS 4.01
Bar-S 4.70
S.P. 1.32 sample L.1

12/23 9LGRCY 34.34
85mRCY 10.62 Total Hatchery flow 45.66
1&2W 10.13
1&2OH 10.03
WHRS 4.74. 5.44. .70gain
WTRS 4.59
Bar-S 5.54
SP 1.37

Total Hatchery flow 45.65

12/30	10LGRC4	34.57		
	85mRC4	10.42		
	12W	10.13		
	12BH	9.55		
	WHRS	4.30.	4.96.	.66gain
	WTRS	4.59		
	Bar-S	5.54		
	SP	1.14	sample 2.1	

January 1989

1/6/89	10LGRCY	35.37	Total Hatchery flow 45.98	
	8SMRCY	9.51		
	1&2W	10.11		
	1&2BH	9.70		
	WHRS	3.86.	4.96.	1.10 gain
	WTRS	4.74		
	Bar-S	5.37		
	SP	—		
1/14/89	10LGRCY	34.53		
	8SMRCY	9.61	Total Hatchery flow 44.61	
	1&2W	10.11		
	1&2BH	8.93		
	WHRS	3.72.	4.19.	.47 gain
	WTRS	4.74		
	Bar-S	5.37		
	SP	1.14	sample L.1	
1/20/89	10LGRCY	33.33		
	8SMRCY	9.61	Total Hatchery flow 43.26	
	1&2W	10.11		
	1&2BH	8.78		
	WHRS	3.72.	4.04.	.32 gain
	WTRS	4.74		
	Bar-S	5.37		
	SP	1.32	sample .2 heavy cleaning	
1/27/89	10LGRCY	31.52		
	8SMRCY	9.60	Total Hatchery flow 41.86	
	1&2W	9.78		
	1&2BH	8.78		
	WHRS	3.45.	4.19.	.74 gain
	WTRS	4.59		
	Bar-S	5.19		
	SP	.97	sample L.1	

February 1989

2/3/89	9LGRCY	32.62	Total Hatchery flow 42.47	
	8smRCY	9.67		
	1&2W	9.47		
	1&2BH	8.63		
	WHRS	4.01.	4.19.	.18 gain
	WTRS	4.44		
	Bar-S	5.03		
	SP	1.50	sample L.1	
2/11/89	10LGRCY	31.66		
	8smRCY	9.97	Total Hatchery flow 41.63	
	1&2W	7.51		
	1&2BH	8.50		
	WHRS	4.44.	4.44.	0 gain
	WTRS	3.45		
	Bar-S	4.06		
	SP	1.69	sample L.1	
2/24/89	10LGRCY	34.10		
	8smRCY	9.71	Total Hatchery Flow 44.47	
	1&2W	8.09		
	1&2BH	8.68		
	WHRS	4.30.	4.96.	.66 gain
	WTRS	3.72		
	Bar-S	4.37		
	SP	.97	sample L.1	
2/17/89	10LGRCY	34.15		
	8smRCY	9.29	Total Hatchery flow 43.92	
	1&2W	8.39		
	1&2BH	8.20	Tunnel on pump	
	WHRS	3.86.	4.34.	.48
	WTRS	3.86		
	Bar-S	4.53		

March 1989

3/3/89	10LGRCY	34.60	Total Hatchery Flow	45.55
	85mRCY	9.81		
	1&2W	7.93		
	1&2BH	9.16		
	WHRS	4.30.	5.44.	1.14 gain
	WTRS	3.72		
	Bar-S	4.21		
	SP	.82	sample L.1	
3/10/89	10LGRCY	33.81		
	85mRCY	9.64	Total Hatchery Flow	44.56
	1&2W	7.93		
	1&2BH	8.84		
	WHRS	4.01.	5.12.	1.11 gain
	WTRS	3.72		
	Bar-S	4.21		
	SP	.22	sample L.1	
3/17	10LGRCY	33.54		
	85mRCY	9.71	Total Hatchery flow	43.73
	1&2W	7.64		
	1&2BH	8.07		
	WHRS	4.01.	4.49	.48 gain
	WTRS	3.58		
	Bar-S	4.06		
	SP	1.06	sample L.1	
3/24	9LGRCY	33.48		
	85mRCY	10.08	Total Hatchery flow	43.89
	1&2W	9.96		
	1&2BH	9.56		
	WHRS	3.86.	4.19	.33 gain
	WTRS	4.59		
	Bar-S	5.37		
	SP	.97	sample L.1	

April 1989

4/7/89	9LGRCY	31.53	Total Hatchery flow 41.09	
	4smRCY	9.28		
	1&2W	9.78		
	1&2BH	7.92		
	WHRS	3.05	3.33	.28 gain
	WTRS	4.59		
	Bar-S	5.19		
	S.P.	.89	sample 2.5 mgL	
4/14/89	8LGRCY	29.70		
	4smRCY	9.38	Total Hatchery flow 40.42	
	1&2W	9.78		
	1&2BH	9.24		
	WHRS	3.31	4.65	1.34 gain
	WTRS	4.59		
	Bar-S	5.19		
	S.P.	1.50	sample .15	
4/21/89	8LGRCY	26.81		
	4smRCY	9.14	Total Hatchery flow 37.20	
	1&2W	9.33		
	1&2BH	8.34		
	WHRS	2.79	4.04	1.25 gain
	WTRS	4.30		
	Bar-S	5.03		
	SP	0		
4/28	8LGRCY	26.37	Total Hatchery flow 37.92	
	8smRCY	9.48		
	1&2W	9.90		
	1&2BH	8.20		
	WHRS	3.18	5.28	2.07 gain
	WTRS	2.92		
	Bar-S	6.58		

May 1989

5/5	7LGRCY	24.48		Total Hatchery flow 35.67
	8smRCY	10.02		
	1&2W	10.16		
	1&2BH	8.43		
	WHRS	3.89.	5.06.	1.17 gain
	WTRS	3.37		
	Bar-S	6.79		
5/12	8LGRCY	25.52		Total Hatchery Flow 36.91
	8smRCY	9.82		
	1&2W	10.06		
	1&2BH	8.81		
	WHRS	3.97.	5.54.	1.57 gain
	WTRS	3.27		
	Bar-S	6.79		
5/19	8LGRCY	26.21		Total Hatchery flow 37.08
	8smRCY	9.92		
	1&2W	9.88		
	1&2BH	8.50		
	WHRS	4.28.	5.23.	.95 gain
	WTRS	3.27		
	Bar-S	6.61		
5/26	8LGRCY	27.16		Total Hatchery flow 39.26
	4smRCY	10.58		
	1&2W	10.04		
	1&2BH	10.13		
	WHRS	4.55.	6.07.	1.52 gain
	WTRS	4.06		
	Bar-S	5.00		

June 1989

6/6 8LGRCY 26.36 Total Hatchery Flow 38.90
4SMRCY 11.14
1&2W 9.54
1&2BH 10.46
WHRS 4.06. 5.46 1.40 gain
WTRS 5.00
Bar-S 4.54

6/16 8LGRCY 27.61 Total Hatchery Flow 37.87
8SMRCY 9.44
1&2W 9.54
1&2BH 9.74
WHRS 4.55. 5.46 .92 gain
WTRS 4.28
Bar-S 5.26

6/23 8LGRCY 27.47 Total Hatchery Flow 39.36
8SMRCY 9.75
1&2W 9.45
1&2BH 13.52
WHRS 1.93. 4.07. 2.14 gain
WTRS 9.45
Bar-S 0

6/30 8LGRCY 28.47 Total Hatchery Flow 40.22
8SMRCY 9.96
1&2W 10.45
1&2BH 9.73
WHRS 4.28. 6.07. 1.79 gain
WTRS 3.66
Bar-S 6.79

June 1989

6/6 8LGRCY 26.36 Total Hatchery Flow 38.90
4smRCY 11.14
1&2W 9.54
1&2OH 10.46
WHRS 4.06. 5.46 1.40 gain
WTRS 5.00
Bar-S 4.54

6/16 8LGRCY 27.61 Total Hatchery Flow 37.87
8smRCY 9.44
1&2W 9.54
1&2OH 9.74
WHRS 4.55. 5.46 .92 gain
WTRS 4.28
Bar-S 5.26

6/23 8LGRCY 27.47 Total Hatchery Flow 39.36
8smRCY 9.75
1&2W 9.45
1&2OH 13.52
WHRS 1.93. 4.07. 2.14 gain
WTRS 9.45
Bar-S 0

6/30 8LGRCY 28.47 Total Hatchery Flow 40.22
8smRCY 9.96
1&2W 10.45
1&2OH 9.73
WHRS 4.28. 6.07. 1.79 gain
WTRS 3.66

August 1989

8/5	SLGRCY	28.59	Total Hatchery Flow 41.46
	8smRCY	12.03	
	1&2W	10.45	
	1&2BH	10.15	
	WHRS	5.65.	6.49. .84 gain
	WTRS	3.66	
	Bar-5	6.79	
8/18	SLGRCY	28.06	Total Hatchery Flow 43.37
	8smRCY	12.70	
	1&2W	9.98	
	1&2BH	11.61	
	WHRS	5.65.	8.24. 2.59
	WTRS	3.37	
	Bar-5	6.61	
8/26	SLGRCY	30.42	Total Hatchery Flow 44.93
	8smRCY	12.47	
	1&2W	10.22	
	1&2BH	11.67	
	WHRS	6.20.	8.24. 2.04 gain
	WTRS	3.43	
	Bar-5	6.79	

September 1989

9/1	7LGRCY	30.84	Total Hatchery Flow	45.90
	85mRCY	12.63		
	162W	10.87		
	162BH	9.35		
	WHRS	3.03.	5.46.	2.43 gain
	WTRS	3.89		
	Bar-5	6.98		

9/8	9LGRCY	29.62	Total Hatchery Flow	44.30
	45mRCY	12.59		
	162W	10.87		
	162BH	9.35		
	WHRS	3.37.	5.46.	2.09 gain
	WTRS	3.89		
	Bar-5	6.98		

9/15	9LGRCY	30.86	Total Hatchery Flow	46.59
	85mRCY	12.88		
	162W	11.06		
	162BH	10.17		
	WHRS	3.43.	6.28.	2.85 gain
	WTRS	3.89		
	Bar-5	7.17		

9/23	9LGRCY	34.81	Total Hatchery Flow	50.19
	85mRCY	12.22		
	162W	9.80		
	162BH	10.59		
	WHRS	4.06.	7.22.	3.16 gain
	WTRS	3.37		
	Bar-5	6.43		

9/29	9LGRCY	35.76.	Total Hatchery Flow 51.52	
	8SMRCY	12.43		
	1&2W	12.02		
	1&2BH	11.50		
	WHRS	3.89.	7.22.	3.33 gain
	WTRS	4.28		
	Bar5	7.74		

October 1989

10/6/89	8LGRCY	35.11	Total Hatchery Flow 49.50	
	8smRCY	12.74		
	1&2W	11.32		
	1&2BH	9.51		
	WHRS	3.89.	5.54.	1.65 gain
	WTRS	3.97		
	Bar-5	7.35		
10/13/89	8LGRCY	35.66	Total Hatchery Flow 50.95	
	8smRCY	13.60		
	1&2W	11.61		
	1&2BH	9.81		
	WHRS	4.06.	5.75.	1.69 gain
	WTRS	4.06		
	Bar-5	7.55		
10/21	9LGRCY	35.55	Total Hatchery Flow 50.64	
	8smRCY	13.52		
	1&2W	11.32		
	1&2BH	9.51		
	WHRS	3.97.	5.54.	1.57 gain
	WTRS	3.97		
	Bar-5	7.35		
	SP	1.94	6.1	
10/27	9LGRCY	38.13	Total Hatchery Flow 52.54	
	8smRCY	13.46		
	1&2W	11.61	Turned water from upper ditch down. Running	
	1&2BH	9.29	into hay field	
	WHRS	4.28.	5.23.	.95 gain
	WTRS	4.06		
	Bar 5	7.55		

November 1989

11/3	9LGRCY	39.37	Total Hatchery Flow 51.75	
	4smRCY	11.75		
	1&2W	9.20		
	1&2BH	10.37		
	WHRS	.54.	1.17.	.63 gain
	WTRS	9.20		
	Bar-S	0		
	SP	1.00	sample L.1	
11/10	9LGRCY	37.72	Total Hatchery Flow 50.02	
	4smRCY	11.91		
	1&2W	9.30		
	1&2BH	10.23		
	WHRS	.54.	.93.	.39 gain
	WTRS	9.30		
	Bar-S	0		
	S.P.	1.19	sample L.1	
11/17	9LGRCY	38.47	Total Hatchery Flow 51.60	
	8smRCY	12.54		
	1&2W	9.29		
	1&2BH	10.46		
	WHRS	.58.	1.17.	.59 gain
	WTRS	9.29		
	Bar-S	0		
	S.P.	1.19	sample L.1	
11/24	9LGRCY	38.25		
	8smRCY	12.48	Total Hatchery Flow 51.28	
	1&2W	9.16		
	1&2BH	10.25		
	WHRS	.54	1.09	.55 gain
	WTRS	9.16		
	Bar-S	0		

December 1989

12/8	10LGRCY	37.51	Total Hatchery Flow	49.56
	8smRCY	11.80		
	1&2W	10.53		
	1&2BH	8.55		
	WHRS	3.27.	3.52.	.25 gain
	WTRS	5.50		
	Bar-S	5.03		
	SP	2.01	Sample .2	
12/15	10LGRCY	36.82		
	8smRCY	10.87	Total Hatchery Flow	47.91
	1&2W	10.33		
	1&2BH	8.46		
	WHRS	2.94,	3.16.	.22 gain
	WTRS	5.30		
	Bar-S	5.03		
	SP	2.11	sample 2.1	
12/22	10LGRCY	36.88		
	8smRCY	10.62	Total Hatchery Flow	48.32
	1&2W	10.33		
	1&2BH	8.82		
	WHRS	2.70.	3.52.	.82 gain
	WTRS	5.30		
	Bar-S	5.03		
	S.P.	2.01	sample	
12/29	10LGRCY	36.86		
	8smRCY	10.44	Total Hatchery Flow	47.45
	1&2W	10.09		
	1&2BH	8.06		
	WHRS	2.68.	2.83.	.15 gain
	WTRS	5.23		
	Bar-S	4.86		

January 1990

1/6/90	10LGRCY	35.86	Total Hatchery Flow 47.21	
	8smRCY	10.12		
	1&2W	9.93		
	1&2BH	8.65		
	WHRS	2.19.	3.42.	1.23 gain
	WTRS	5.23		
	Bar-S	4.70		
	S.P.	1.80	sample L.1	
1/12	10LGRCY	35.59	Total Hatchery Flow 46.84	
	8smRCY	10.37		
	1&2W	9.93		
	1&2BH	8.30		
	WHRS	2.19.	3.07.	.88 gain
	WTRS	5.23		
	Bar-S	4.70		
	S.P.	1.49	sample L.1	
1/19	10LGRY	35.49	Total Hatchery Flow 45.78	
	8smRY	10.23		
	1&2W	9.37		
	1&2BH	7.02		
	WHRS	2.12.	2.18.	.06 gain
	WTRS	4.84		
	Bar-S	4.53		
	S.P.	2.01	sample .4	
1/26	10LGRCY	33.29	Total Hatchery Flow 44.30	
	8smRCY	10.37		
	1&2W	7.49		
	1&2BH	6.72		
	WHRS	2.19.	2.83	.64 gain
	WTRS	3.89		

February 1990

2/2	10LGRCY	33.66	Total Hatchery Flow 44.31	
	8SMRCY	10.37		
	1&2W	10.99		
	1&2BH	6.08		
	WLIRS	.58.	.86.	.28 gain
	WTRS	5.80		
	Bar-S	5.19		
	S.P.	2.83	Sample L.1	
2/9	10LGRCY	33.47		
	8SMRCY	10.37	Total Hatchery flow 44.03	
	1&2W	8.89		
	1&2BH	6.59		
	WHRS	1.72.	1.91.	.19 gain
	WTRS	4.68		
	Bar-S	4.21		
	S.P.	3.51	sample .2	
2/16	9LGRCY	30.57		
	8SMRCY	10.37	Total Hatchery Flow 41.50	
	1&2W	10.33		
	1&2BH	8.89		
	WHRS	3.03	3.59	.56 gain
	WTRS	5.30		
	Bar-S	5.03		
	SP	2.55	sample .1	
2/23	8LGRCY	29.40		
	4SMRCY	10.34	Total Hatchery Flow 40.14	
	1&2W	10.69		
	1&2BH	9.33		
	WHRS	3.43.	3.83.	.40 gain
	WTRS	5.50		
	Bar-S	5.19		

March 1990

3/2 8LGRCY 30.35 Total Hatchery Flow 40.43
8smRCY 9.52
1&2W 10.33
1&2BH 8.89
WHRS 3.03. 3.59. .56gain
WTRS 5.30
Bar-S 5.03
S. P. 1.58 sample L.1

3/9 8LGRCY 30.49
8smRCY 9.66 Total Hatchery Flow 40.64
1&2W 10.33
1&2BH 8.82
WHRS 3.03. 3.52. .49gain
WTRS 5.30
Bar-S 5.03
S. P 1.49 sample L.1

3/16 8LGRCY 30.20
8smRCY 9.11 Total Hatchery Flow 39.56
1&2W 8.18
1&2BH 10.36 (3/12/90 Turned Bar-S Ditch off & G.S.
WHRS 1.93. 2.18 .25gain
WTRS 8.18
Bar-S 0
S. P 1.42 sample L.1

3/23 8LGRCY 28.67
8smRCY 9.76 Total Hatchery Flow 39.42
1&2W 8.18
1&2BH 11.25
WHRS 2.08. 3.07. .99gain
WTRS 8.18
Bar-S 0

3/30 8LGRCY 28.58 Total Hatchery Flow 39.04

85mRCY 9.73

1&2W 8.28

1&2OH 11.09

WHRS 2.08 , 2.81 .73 gain

WTRS 8.28

Bar 5 0

S.P. .77 sample 2.1

Take 2 monthly grabs from Raceway Effluent

Average Flow from Settling pond 1 time each week plus grab

April 1990

4/6 8LGRCY 25.54 Total Hatchery Flow 35.55
8smRCY 9.65
1&2W 8.17
1&2OH 10.46
WHRS 1.93. 2.29. .36 gain
WTRS 8.17
Bar-S 0
S. P 0

4/13 7LGRCY 22.69 Total Hatchery Flow 37.77 RCY Sample Lol
4smRCY 8.51
1L2W 11.04 4/11 Turn on pump
1&2OH 9.52
WHRS 3.89. 5.46 1.57 gain
WTRS 4.06
Bar-S 6.98
SP 0 4/17 Turned off Bar-S ditch.

4/20 6LGRCY 26.03
8smRCY 9.92 Total Hatchery Flow 36.83
1&2W 8.18
1&2OH 11.25
WHRS 2.19. 3.07. .88 gain
WTRS 8.18
Bar-S 0
SP 0

4/27 7LGRCY 26.27 Total Hatchery Flow 37.53
8smR 9.51
1&2W 8.74
1&2OH 9.83
WHRS 2.08. 3.83. 1.75
WTRS 6.00
Bar-S 2.74

May 1990

5/4	7LGRCY	26.11	Total Hatchery Flow 37.90	
	8SMRCY	9.76		
	1&2W	9.61		
	1&2&4	8.83		
	WHRS	3.43.	5.46.	2.03 gain
	WTRS	3.37		
	Bar-S	6.24		
	S.P.	0		
5/11	7LGRCY	24.61	Total Hatchery Flow 36.09	
	8SMRCY	9.75		
	1&2W	9.70	Flow Grab sample L.1	
	1&2&4	8.03		
	WHRS	3.03.	4.76.	1.73 gain
	WTRS	3.27		
	Bar-S	6.43		
	S.P.	0		
5/18	7LGRCY	25.08	Total Hatchery Flow 37.37	
	8SMRCY	9.44		
	1&2W	9.86		
	1&2&4	9.71		
	WHRS	3.43.	6.28.	2.85 gain
	WTRS	3.43		
	Bar-S	6.43		
	S.P.	0		
5/25	6LGRCY	25.32	Total Hatchery Flow 38.32	
	6SMRCY	10.50		
	1&2W	10.27		
	1&2&4	10.88		
	WHRS	4.06.	7.22. (3.16) Leaky boards	2.50 measurement chambers
	WTRS	3.66		
	Bar-S	6.61		

June 1990

6/1	7LGRCY	25.67	Total Hatchery Flow 39.51	
	4smRCY	11.24		
	1&2W	10.68		
	1&2BH	10.38		
	WHRS	3.69.	6.49.	2.60 gain
	WTRS	3.89		
	Bar S	6.79		
6/15	7LGRCY	25.67	Total Hatchery Flow 44.30	
	8smRCY	13.20		
	1&2W	10.87		
	1&2BH	9.96		
	WHRS	3.27.	6.07.	2.80 gain
	WTRS	3.89		
	Bar-S	6.98		
6/22	7LGRCY	25.86	Total Hatchery Flow 40.73	
	8smRCY	12.60		
	1&2W	10.95		
	1&2BH	9.51		
	WHRS	3.27.	5.54.	2.27 gain
	WTRS	3.97		
	Bar-S	6.98		
6/28	7LGRCY	25.30	Total Hatchery Flow 39.45	
	8smRCY	11.39		
	1&2W	10.04		
	1&2BH	8.89		
	WHRS	2.70.	5.46.	2.76
	WTRS	3.43		
	[illegible]	[illegible]		

6/6/90 Charlie Johnson called and wanted the Bar-S ditch turned off. He said he had called or talked to Dan Yore and Stan Hoskovec and they said it would be alright to turn the ditch off. Charlie said then that he wanted to prove that the Bar-S ditch was leaking with the help of another ditch beside the Bar-S. The second ditch would catch any leaking water, or at least see if any water was subbing from the Bar-S. Turning the Bar-S off this time and if Charlie's extra ditch quit catching water would be proof of a leaky Bar-S Ditch! Gordon Shaffer

6/9/90 10:00 to 10:30 AM. George Lemmon called me at home and stated that "the Bar-S ditch was to be turned on at 5:00 P.M. that day". He also said that "Charlie Johnson has no interest in the Bar-S ditch at all. George said that Charlie wants everyone to pay for fixing his sewage problems when Charlie put the drain field to close to the Bar-S ditch in the first place!" "George Lemmon also said that the ditch is in good condition and under law can't be turned off." I put the water back in the Bar-S ditch at 5:00 PM Saturday 6/9/90. Gordon Shaffer

6/11/90 Mr. Hope who irrigates Mac Knight's land talked to me and asked if I would not put the water back in the ditch after this because it washed some big ditch out when it was put back into use. I told him the above statements and he seemed pleased enough and decided that the whole mess was probably Charlie Johnson's fault.

Gordon Shaffer

at least call Mac Knight first.

July 1990

7/6	7LGRCY	25.45	Total Hatchery Flow 39.52	
	8smRCY	11.71		
	1&2W	10.04		
	1&2BH	8.49		
	WHRS	2.70.	5.06.	2.36 gain
	WTRS	3.43		
	Bar-S	6.61		

7/13	7LGRCY	25.74	Total Hatchery Flow 38.99	
	8smRCY	11.71		
	1&2W	10.68		
	1&2BH	8.13		
	WHRS	2.70.	4.24.	1.54 gain
	WTRS	3.89		
	Bar-S	6.79		

7/21	7LGRCY	26.10	Total Hatchery Flow 39.37	
	8smRCY	11.71		
	1&2W	10.87		
	1&2BH	8.13		
	WHRS	2.68.	4.24	1.56
	WTRS	3.89		
	Bar-S	6.98		

August 1990

8/1 Turn off BarS Ditch. Dan Yore called Monday July 30

8/3 7LGRCY 24.35 Total Hatchery Flow 39.27

4smRCY 12.89

1&2W 8.42

1&2BH 11.94

WHRS 1.49. 3.52. 2.03 gain

WTRS 8.42

BarS 0

8/10 7LGRCY 27.62 Total Hatchery Flow 40.56

8smRCY 10.42

1&2W 11.06

1&2BH 9.35

WHRS 2.94. 5.46. 2.52 gain

WTRS 3.89

BarS 7.17

8/17 7LGRCY 28.52 Total Hatchery Flow 41.07

8smRCY 11.16

1&2W 10.95

1&2BH 8.73

WHRS 3.37. 4.76. 1.39 gain

WTRS 3.97

Bar-S 6.98

8/24 8LGRCY 30.74 Total Hatchery Flow 43.83

8smRCY 10.98

1&2W 10.95

1&2BH 9.51

WHRS 3.43. 5.54. 2.11 gain

WTRS 3.97

8/31	9LGRCY	31.24		Total Hatchery Flow	43.83
	8SMRCY	11.20			
	1L2W	10.04			
	1L2DH	7.50			
	WHRS	2.68.	4.07.	1.39 gain	
	WTRS	3.43			
	Bar-5	6.61			

September 1990

9/7 9LGRCY 33.91 Total Hatchery Flow 46.54
4smRCY 11.14
1&2W 10.87
1&2BH 8.65
WHRS 3.27. 4.76. 1.49 gain
WTRS 3.89
Bar-S 6.98

9/14 9LGRCY 33.43 Total Hatchery Flow 47.71
4smRCY 11.80
1&2W 11.14
1&2BH 9.72
WHRS 3.27. 5.75. 2.48 gain
WTRS 3.97
Bar-S 7.17

9/22 9LGRCY 36.65 Total Hatchery Flow 49.37
8smRCY 10.86
1&2W 11.14
1&2BH 8.86
WHRS 3.03. 4.89. 1.86 gain
WTRS 3.97
Bar-S 7.17

9/28 9LGRCY 36.09 Total Hatchery Flow 49.76
8smRCY 11.58
1&2W 10.87
1&2BH 9.35
WHRS 3.37. 5.46 2.09 gain
WTRS 3.89

October 1990

10/6	10LGRCY	36.07	Total Hatchery Flow 49.24	
	85mRCY	11.87		
	1&2W	10.22		
	1&2BH	7.67		
	WHRS	2.94.	4.24.	1.30 gain
	WTRS	3.43		
	Bar S	6.79		

10/20	10LGRCY	36.63	Total Hatchery Flow 49.83	
	85mRCY	12.08		
	1&2W	10.87		
	1&2BH	8.04		
	WHRS	3.03.	4.15.	1.12 gain
	WTRS	3.89		
	Bar-S	6.98		
	S.P.	1.42	sample Gal	

10/26	10LGRCY	36.53	Total Hatchery Flow 49.79	
	85mRCY	12.25		
	1&2W	10.87		
	1&2BH	8.17		
	WHRS	3.27.	4.28.	1.01 gain
	WTRS	3.89		
	Bar S	6.98		
	S.P.	0	~~Sp~~ pump on!	

November 1990

11/2	10LGRCY	36.15	Total Hatchery Flow 50.14	
	85mRCY	12.37		
	1&2W	10.87		
	1&2BH	8.78		
	WHRS	3.27.	4.89.	1.62 gain
	WTRS	3.89		
	Bar-S	6.98		
	S.P.	.77	sample L.1	
11/9	10LGRCY	36.19	Total Hatchery Flow 48.41	
	85mRCY	10.42		
	1&2W	10.45		
	1&2BH	7.90		
	WHRS	2.44.	4.24.	1.80 gain
	WTRS	3.66		
	Bar-S	6.79		
	SP	.90		
11/16	10LGRCY	39.42	Total Hatchery Flow 51.62	
	85mRCY	10.66		
	1&2W	10.87		
	1&2BH	8.37		
	WHRS	2.94.	4.48.	1.54 gain
	WTRS	3.89		
	Bar-S	6.98		
	S.P.	.83		
11/23	10LGRCY	38.92	Total Hatchery Flow 51.13	
	85mRCY	10.67		
	1&2W	10.45		
	1&2BH	8.14		
	WHRS	2.94.	4.48.	1.54 gain
	WTRS	3.66		
	[illegible]	[illegible]		

11/30	10LGRCY	38.94		
	85mRCY	11.07	Total Hatchery Flow	50.95
	1&2W	10.27		
	1&2BH	7.90		
	WHRS	3.27	4.24	.97 gain
	WTRS	3.66		
	Bar-S	6.61		
	SP	.72		

December 1990

12/7	10LGRCY	37.69	Total Hatchery Flow 50.06	
	8smRCY	11.24		
	1&2W	10.04		
	1&2OH	7.50		
	WHRS	2.94.	4.07.	1.13 gain
	WTRS	3.43		
	Bar-S	6.61		
	S.P.	1.58	heavy cleaning.	
12/14	10LGRCY	37.13		
	8smRCY	11.32	Total Hatchery Flow 49.58	
	1&2W	10.68		
	1&2OH	7.96		
	WHRS	2.94.	4.07.	1.13 gain
	WTRS	3.89		
	Bar-S	6.79		
	S.P.	1.42		
12/22	10LGRCY	37.88		
	8smRCY	11.50	Total Hatchery Flow 50.42	
	1&2W	9.49		
	1&2OH	7.50		
	WHRS	3.03.	4.07.	1.04 gain
	WTRS	3.43		
	Bar-S	6.06		
	S.P.	1.42		
12/28	10LGRCY	37.24		
	8smRCY	11.70	Total Hatchery Flow 49.74	
	1&2W	9.32		
	1&2OH	7.26		
	WHRS	3.03.	3.83.	.80 gain
	WTRS	3.43		
	Bar-S	5.89		

weekly grab samples from S.P.

January 1991

1/11	10LGRCYS	36.37	Total Hatchery Flow 47.74	
	8SMRCYS	10.14		
	1&2W	9.80		
	1&2BH	6.79		
	WHRS	2.19	3.42	1.23 gain
	WTRS	3.37		
	Bar-S	6.79		
	S.P.	1.05		
1/18	10LGRCYS	35.29	Total Hatchery Flow 46.28	
	8SMRCYS	10.62		
	1&2W	9.80		
	1&2BH	6.18		
	WHRS	2.44	2.81	.37 gain
	WTRS	3.37		
	Bar-S	6.43		
	S.P.	.67		
1/25	10LGRCYS	34.07	Total Hatchery Flow 45.94	
	8SMRCYS	11.74		
	1&2W	11.21		
	1&2BH	8.33		
	WHRS	2.70	2.83	.13 gain
	WTRS	5.50		
	Bar-S	5.71		
	S.P.	.67		

February 1991

2/1	8LGRCYS	32.57	Total Hatchery Flow 44.36	
	8smRCY	11.38		
	1&2W	11.56		
	1&2BH	10.13		
	WHRS	3.66.	4.07.	.41 gain
	WTRS	5.50		
	Bar-S	6.06		
	S.P.	.57		
2/8	10LGRCY	32.16		
	8smRCY	11.14	Total Hatchery Flow 43.30	
	1&2W	8.23		
	1&2BH	8.45		
	WHRS	0	.22	.22 gain
	WTRS	8.23		
	Bar-S	0		
	S.P.	.71		
2/15	10LGRCY	31.09	Total Hatchery Flow 42.19	
	8smRCY	10.58		
	1&2W	8.08		
	1&2BH	8.60		
	WHRS	0	.52	.52 gain
	WTRS	8.08		
	Bar-S	0		
	S.P.	.50		
2/22	8LGRCY	28.90	Total Hatchery Flow 39.66	
	8smRCY	9.95		
	1&2W	7.88		
	1&2BH	8.69		
	WHRS	0.	.81 gain	
	WTRS	7.88		
	Bar-S	0		
	SP.	.90		

March 1991

3/7 Turn on pump

3/8 10LGRCY 34.85 Total Hatchery Flow 44.85

85mRCY 9.49

1&2W 11.43 3/8/91 Turn on Bar-5 Ditch

1&2BH 8.83

WHRS 2.32, 2.83, .51 gain

WTRS 5.00

Bar-5 6.43

SP .97

3/15 10LGRCY 34.54

85mRCY 9.62 Total Hatchery Flow 44.65

1&2W 11.45

1&2BH 7.65

WHRS 2.32. 2.81. .49 gain

WTRS 4.84

Bar-5 6.61

SP .90

3/22 10LGRCY 31.44

85mRCY 10.05. Total Hatchery Flow 41.86

1&2W 10.98

1&2BH 7.36

WHRS 2.44 . 1.81. .37 gain

WTRS 4.55

Bar-5 6.43

SP .57

3/29 9LGRCY 32.55

85mRCY 10.28. Total Hatchery Flow 43.83

1&2W 10.79

1&2BH 9.61

WHRS 4.06. 5.06. 1.00 gain

WTRS 4.55

Bar-5 6.24

SP .38

April 1991

4/5 10LGRCY 32.97

8smRCY 10.23 Total Hatchery Flow 43.68

1&2W 5.89

1&2BH 6.28

WHRS 5.80. 6.28. .48 gain

WTRS 0

Bar-S 5.89

S.P. 1.58

4/12 10LGRCY 32.42

8smRCY 9.43 Total Hatchery Flow 42.17

1&2W 12.11

1&2BH 9.09

WHRS ~~5.50~~ 3.27. 3.59. .32 gain

WTRS 5.50

Bar-S 6.61

SP 0

4/19 9LGRCY 29.67

8smRCY 8.26 Total Hatchery Flow 39.32

1&2W 11.47

1&2BH 9.06

WHRS 2.44. 3.83. 1.38 gain

WTRS 5.23

Bar-S 6.14

SP .90

4/26 9LGRCY 30.08

8smRCY 7.91 Total Hatchery Flow 38.47

1&2W 11.73

1&2BH 8.46

WHRS 2.66. 3.16. .48

WTRS 5.30

Bar-S 6.43

May 1991

5/3 9LGRCY 28.62 Total Hatchery Flow 38.63
8smRCY 8.54
1&2W 11.24
1&2BH 9.15
WHRS 2.68. 4.15. 1.47 gain
WTRS 5.00
Bar-S 6.24

5/10 9LGRCY 28.36 Total Hatchery Flow 38.42
8smRCY 8.91
1&2W 11.24
1&2BH 8.59
WHRS 2.44. 3.59 1.15 gain
WTRS 5.00
Bar-S 6.24

5/17 9LGRCY 28.58 Total Hatchery Flow 39.67
8smRCY 9.76
1&2W 11.65
1&2BH 9.98
WHRS 3.43. 4.76. 1.33 gain
WTRS 5.22
Bar-S 6.43

38.96

5/24 9LGRCY 28.25 Total Hatchery Flow 39.13
8smRCY 10.01
1&2W 11.73
1&2BH 10.06
WHRS 3.89. 4.76. .87 gain
WTRS 5.30
Bar-S 6.43

5/31 8LGRCY 27.88 Total Hatchery Flow 39.01
8SMRCY 9.68
1d2W 12.11
1d2B4 9.98
WHRS 3.03. 4.48. 1.45 gain
WTRS 5.50
Ba-S 6.61

June 1991

6/7	9LGRCY	27.67	Total Hatchery Flow	39.34
	8SMRCY	9.64		
	162W	12.11		
	162BH	10.56		
	WHRS	3.03.	5.06.	2.03 gain
	WTRS	5.50		
	Bar-S	6.61		

6/21	9LGRCY	28.72	Total Hatchery Flow	39.87
	8SMRCY	9.12		
	162W	10.90		
	162BH	9.90		
	WHRS	3.03.	5.06.	2.03 gain
	WTRS	4.84		
	Bar-S	6.06		

6/28	9LGRCY	28.74	Total Hatchery Flow	40.12
	8SMRCY	9.18		
	162W	11.08		
	162BH	10.07		
	WHRS	3.03.	5.23.	2.20 gain
	WTRS	4.84		
	Bar-S	6.24		

July 1991

7/5	9LGRCY	29.27	Total Hatchery Flow	41.25
	6SmRCY	10.29		
	1&2W	11.66		
	1&2BH	10.98		
	WHRS	4.06.	5.75.	1.69 gain
	WTRS	5.23		
	Bar-S	6.43		
7/12	9LGRCY	28.62	Total Hatchery Flow	39.16
	6SmRCY	10.32		
	1&2W	10.90		
	1&2BH	8.43		
	WHRS	3.37.	3.59.	.22 gain
	WTRS	4.84		
	Bar-S	6.06		
7/26	9LGRCY	27.65	Total Hatchery Flow	40.24
	4SmRCY	10.90		
	1&2W	10.90		
	1&2BH	9.90		
	WHRS	3.37.	5.06.	1.69 gain
	WTRS	4.84		
	Bar S	6.06		

August 1991

8/2	9LGRCY	28.01	Total Hatchery Flow 40.96	
	85mRCY	10.68		
	1&2W	10.74		
	1&2BH	10.22		
	WHRS	3.27.	5.54.	2.27 gain
	WTRS	4.68		
	Bar S	6.06		
8/9	9LGRCY	28.64	Total Hatchery Flow 42.16	
	85mRCY	11.49		
	1&2W	10.74		
	1&2BH	10.14		
	WHRS	3.43.	5.46.	2.03 gain
	WTRS	4.68		
	Bar S	6.06		
8/23	9LGRCY	29.91	Total Hatchery Flow 42.89	
	85mRCY	11.58		
	1&2W	10.73		
	1&2BH	10.30		
	WHRS	4.06.	5.46.	1.40 gain
	WTRS	4.84		
	Bar S	5.89		
8/30	9LGRCY	30.40	Total Hatchery Flow 43.37	
	85mRCY	11.64		
	1&2W	10.74		
	1&2BH	9.44		
	WHRS	3.43.	4.76.	1.33 gain
	WTRS	4.68		
	Bar S	6.06		

September 1991

9/6	8LGRCY	29.71	Total Hatchery Flow 43.77	
	4smRCY	12.26		
	1&2W	11.47		
	1&2BH	10.69		
	WHRS	3.66.	5.46.	1.80gain
	WTRS	5.23		
	Bar 5	6.24		
9/13	8LGRCY	33.90	Total Hatchery Flow 46.37	
	8smRCY	10.44		
	1&2W	11.24		
	1&2BH	10.46		
	WHRS	3.43.	5.46.	2.03gain
	WTRS	5.00		
	Bar 5	6.24		
9/20	9LGRCY	36.45	Total Hatchery Flow 48.73	
	8smRCY	10.37		
	1&2W	11.47		
	1&2BH	11.82		
	WHRS	4.64	6.59.	1.91gain
	WTRS	5.23		
	Bar 5	6.24		
9/21	Turn pump off			
9/27	8LGRCY	35.09	Total Hatchery Flow 48.07	
	8smRCY	10.67		
	1&2W	11.91		
	1&2BH	11.89		
	WHRS	4.28.	6.59.	2.31gain
	WTRS	5.30		
	Bar 5	6.61		

October 1991

10/4	8LGRCY	38.29	Total Hatchery Flow 48.62	
	8smRCY	11.07		
	1&2W	11.24		
	1&2OH	12.23		
	WHRS	3.97.	5.23	1.26 gain
	WTRS	5.00		
	Bar-S	6.24		
	SP.	1.29		
10/11	9LGRCY	38.87	Total Hatchery Flow 50.66	
	8smRCY	10.98		
	1&2W	11.47		
	1&2OH	9.47		
	WHRS	3.43.	4.24.	.81 gain
	WTRS	5.23		
	Bar-S	6.24		
	SP	pumps on. No measurement or sample		
10/18	9LGRCY	38.50		
	8smRCY	10.91	Total Hatchery Flow 50.93	
	1&2W	11.91		
	1&2OH	11.37		
	WHRS	4.55.	6.07.	1.52 gain
	WTRS	5.30		
	Bar-S	6.61		
	SP	1.29		
10/25	9LGRCY	39.97		
	8smRCY	12.39	Total Hatchery Flow 54.36	
	1&2W	11.91		
	1&2OH	11.58		
	WHRS	4.28.	6.28.	2.00 gain
	WTRS	5.30		
	Bar-S	6.61		
	SP.	.97		

November 1991

11/1	10LGRCY	39.94	Total Hatchery Flow 54.32	
	8SMRCY	12.44		
	1&2W	10.74		
	1&2BH	10.59		
	WHRS	3.97.	5.91.	(1.94)
	WTRS	4.68		
	Bar-S	6.06		
	S.P.	1.90		
11/8	10LGRCY	40.46	Total Hatchery Flow 53.65	
	8SMRCY	11.18		
	1&2W	10.26		
	1&2BH	10.62		
	WHRS	4.06.	6.07.	2.01 gain
	WTRS	4.55		
	Bar-S	5.71		
	SP	.97		
11/15	10LGRCY	40.72	Total Hatchery Flow 53.65	
	8SMRCY	11.14		
	1&2W	10.09		
	1&2BH	10.62		
	WHRS	4.28.	6.07.	1.79 gain
	WTRS	4.55		
	Bar-S	5.54		
	SP	.77		
11/29	10LGRCY	39.09	Total Hatchery Flow 51.75	
	8SMRCY	11.17		
	1&2W	10.26		
	1&2BH	11.04		
	WHRS	5.00.	6.49	1.49 gain
	WTRS	4.55		
	Bar-S	5.71		
	SP	.90		

1991 Flow Average to Creek
38.75

December 1991

12/6	8LGRCY	38.05	Total Hatchery Flow 50.40	
	8SMRCY	11.28		
	1&2W	10.39		
	1&2BH	10.59		
	WHRS	4.84.	5.91.	1.07 gain
	WTRS	4.68		
	Bar-S	5.71		
	SP.	1.29		
12/13	10LGRCY	37.26.	Total Hatchery Flow 49.56	
	8SMRCY	11.65		
	1&2W	12.82		
	1&2BH	9.24		
	WHRS	2.94.	3.59.	.65 gain
	WTRS	5.65		
	Bar-S	7.17		
	SP.	1.19		
12/20	10LGRCY	36.29	Total Hatchery Flow 48.59	
	8SMRCY	11.65		
	1&2W	12.29		
	1&2BH	9.09		
	WHRS	2.94.	3.59.	.65 gain
	WTRS	5.50		
	Bar-S	6.79		
	SP	.77		
12/27	10LGRCY	36.24	Total Hatchery Flow 48.78	
	8SMRCY	11.89		
	1&2W	12.44		
	1&2BH	9.24		
	WHRS	2.94.	3.59.	.65 gain
	WTRS	5.65		
	Bar-S	6.79		
	SP	.77		

49.33 average

January 1992

1/3	10LGRCY	35.97	Total Hatchery Flow 46.72	
	8SMRCY	10.12		
	1&2W	12.11		
	1&2BH	8.57		
	WHRS	2.44.	3.07.	.63 gain
	WTRS	5.50		
	Bar-S	6.61		
	SP.	180		
1/10	10LGRCY	35.96	Total Hatchery Flow 47.20	
	8SMRCY	10.26		
	1&2W	11.91		
	1&2BH	8.72		
	WHRS	2.44.	3.42.	.98 gain
	WTRS	5.30		
	Bar-S	6.61		
	SP.	.77		
1/17	10LGRCY	34.87	Total Hatchery Flow 45.61	
	8SMRCY	10.16		
	1&2W	11.73		
	1&2BH	8.82		
	WHRS	2.94.	3.52.	.58 gain
	WTRS	5.30		
	Bar-S	6.43		
	SP	.77		
1/24	10LGRCY	34.19	Total Hatchery Flow 44.76	
	8SMRCY	10.32		
	1&2W	10.79		
	1&2BH	8.07		
	WHRS	3.27.	3.52.	.25 gain
	WTRS	4.55		
	Bar-S	6.24		
	SP	.67		

1/31 10LGR cy 33.36 . Total Hatchery Flow 44.56

85MR cy 10.72

1C2W 11.08

1C2BH 8.00

WHRS 2.66. 3.16. .48 gain

WTRS 4.84

Bar-S 6.24

SP .71

February 1992

2/6	9LGRCY	31.41.	Total Hatchery Flow 42.49	
	8SMRCY	10.72		
	1&2W	10.41		
	1&2BH	9.49		
	WHRS	1.93.	2.29.	.36 gain
	WTRS	6.20		
	Bar-S	4.21		
	SP	0	Clean out pond	
2/14	10LGRCY	34.30		
	8SMRCY	10.38	Total Hatchery Flow 45.19	
	1&2W	7.25	2/11 Turn on pump	
	1&2BH	8.97	2/7 Shut off Bar-S ditch	
	WHRS	1.21.	1.72.	.51 gain
	WTRS	7.25		
	Bar-S	0		
	S.P.	.97		
2/21	10LGRCY	35.43	Total Hatchery Flow 46.43	
	8SMRCY	10.93		
	1&2W	7.36		
	1&2BH	8.92		
	WHRS	1.49.	1.56.	.07 gain
	WTRS	7.36		
	Bar-S	0		
	SP	.97		
2/27	10LGRCY	33.60	Total Hatchery Flow 44.15	
	8SMRCY	10.01		
	1&2W	6.88		
	1&2BH	8.31		
	WHRS	.89	1.43.	.54 gain
	WTRS	6.88		
	Bar-S	0		
	SP	.77		

March 1992

3/6 10LGRCY 33.86 Total Hatchery Flow 43.79
8SMRCY 9.88
1L2W 6.77
1L2BH 7.86
WHRS 1.04. 1.09. .05 gain
WTRS 6.77
Bar-S 0
SP .97

3/13 10LGRCY 32.79 Total Hatchery Flow 43.45
8SMRCY 10.22
1L2W 7.79
1L2BH 9.35
WHRS 1.12. 1.56. .44 gain
WTRS 7.79 3/16 Put new wier in Bar-S Ditch.
Bar-S 0 3/17 Turn on Bar-S Ditch.
SP 0

3/19 9LGRCY 31.45 Total Hatchery Flow 42.33
8SMRCY 10.30
1L2W 12.29
1L2BH 9.02
WHRS 2.94. 3.52. .58 gain
WTRS 5.50
Bar-S 6.79
SP 0

3/27 9LGRCY 29.24 Total Hatchery Flow 40.25
8SMRCY 9.78
1L2W 12.29
1L2BH 8.92
WHRS 2.19. 3.42. 1.23 gain
WTRS 5.50
Bar-S 6.79
SP 0

April 1992

4/3	9LGRCY	29.02	Total Hatchery Flow 37.77	
	6smRCY	7.52		
	1&2W	6.61		
	1&2BH	4.89		
	WHRS	3.66.	4.89.	1.23 gain
	WTRS	0		
	Bar-S	6.61		
	SP.	0		
4/10	9LGRCY	27.34	Total Hatchery Flow 36.05	
	6smRCY	7.29		
	1&2W	11.24		
	1&2BH	8.06		
	WHRS	1.64.	3.06.	1.42 gain
	WTRS	5.00		
	Bar-S	6.24		
	SP.	.57		
4/17	8LGRCY	27.51	Total Hatchery Flow 35.78	
	6smRCY	7.26		
	1&2W	11.61		
	1&2BH	7.83		
	WHRS	1.82.	2.83.	1.01 gain
	WTRS	5.00		
	Bar-S	6.61		
	SP.	0		
4/24	8LGRCY	27.21	Total Hatchery Flow 36.12	
	6smRCY	7.56		
	1&2W	11.84		
	1&2BH	8.30		
	WHRS	1.72	3.07.	1.35
	WTRS	5.23		
	Bar-S	6.61		
	SP.	0		

36.43

May 1992

5/1 7LGRCY 26.44 Total Hatchery Flow 35.05
6SMRCY 7.34
1&2W 12.34
1&2BH 9.14
WHRS 2.32 , 3.59. 1.27 gain
WTRS 5.55
Bar-S 6.79
SP 0

5/8 8LGRCY 26.07 Total Hatchery Flow 34.35
6SMRCY 6.51
1&2W 11.66
1&2BH 8.82
WHRS 1.82. 3.59 1.77 gain
WTRS 5.23
Bar-S 6.43
SP. 0

5/15 8LGRCY 25.30 Total Hatchery Flow 33.64
6SMRCY 7.00
1&2W 11.84
1&2BH 8.65
WHRS 2.08. 3.42. 1.34 gain
WTRS 5.23
Bar-S 6.61
SP 0

average 34.27

5/22 8LGRCY 25.34 Total Hatchery Flow 34.07
6SMRCY 7.46
1&2W 11.91
1&2BH 8.89
WHRS 2.32. 3.59. 1.27 gain
WTRS 5.30
Bar-S 6.61
SP, 0

5/30 7LGRCY 26.42 Total Hatchery Flow 35.54

65MRCY 7.91

182W 1.08

182E 8.99

WHRS 2.94. 4.15. .121 gam

WHRS 2.84

Ban5 6.24

June 1992

6/12	8LGRC4	24.86	Total Hatchery Flow 34.47	
	6smRC4	7.90		
	1&2W	11.08		
	1&2B4	10.15		
	WHRS	2.44.	4.15.	1.71 gain
	WTRS	6.00		
	Bar-5	5.08	Moss backing water up forcing it down to 1,2,3,4	
			6/12 Turned off Bar-5 Ditch. 6/15 Turn ditch on	
6/19	8LGRC4	25.80		
	6smRC4	7.65	Total Hatchery Flow: 34.72	
	1&2W	12.28		
	1&2B4	8.89		
	WHRS	2.32.	3.59.	1.27 gain
	WTRS	5.30		
	Bar-5	6.98		
6/26	8LGRC4	25.38	Total Hatchery Flow 34.52	
	6smRC4	7.91		
	1&2W	12.28		
	1&2B4	8.72		
	WHRS	2.19.	3.42.	1.23 gain
	WTRS	5.30		
	Bar-5	6.98		

average 34.57

July 1992

7/3	8LGRCYS	26.21	Total Hatchery Flow 35.52	
	5smRCYS	7.51		
	1&2W	12.28		
	1&2B4	9.54		
	WHRS	2.44.	4.24.	1.80 gain
	WTRS	5.30		
	Bar-S	6.98		
7/10	8LGRCY	27.12	Total Hatchery Flow 36.02	
	5smRCY	7.19		
	1&2W	12.28		
	1&2B4	9.45		
	WHRS	2.44.	4.15.	1.71 gain
	WTRS	5.30		
	Bar-S	6.98		
7/17	8LGRCY	26.90	Total Hatchery Flow 36.55	
	5smRCY	8.50		
	1&2W	12.09		
	1&2B4	9.13		
	WHRS	2.68.	3.83.	1.15 gain
	WTRS	5.30		
	Bar-S	6.79		
7/24	8LGRCY	26.18	Total Hatchery Flow 35.31	
	5smRCY	8.24		
	1&2W	12.09		
	1&2B4	8.89		
	WHRS	2.70.	3.59.	.89 gain
	WTRS	5.30		
	Bar-S	6.79		

7/31

SLGRCY	26.92		Total Hatchery Flow 38.11
SSMRCY	8.66		
162W	11.43		average 36.30
142BH	10.47		
WHRS	2.94.	5.47.	2.53 gain
WTRS	5.00		
Bar-S	6.43		

August 1992

8/7	8LGRCY	26.68	Total Hatchery Flow 37.14	
	5smRCY	8.90		
	1&2W	12.28		
	1&2BH	9.54		
	WHRS	2.68.	4.24.	1.56 gain
	WTRS	5.30		
	Bar-S	6.98		
8/14	8LGRCY	26.99	Total Hatchery Flow 37.14	
	5smRCY	9.00		
	1&2W	12.09		
	1&2BH	8.89		
	WHRS	2.44.	3.59.	1.15 gain
	WTRS	5.30		
	Bar-S	6.79		
8/21	8LGRCY	26.74	Total Hatchery Flow 37.41	
	5smRCY	9.11		
	1&2W	12.67		
	1&2BH	7.06		
	WHRS	0.	1.56.	1.56 gain
	WTRS	5.50		
	Bar-S	7.17		
8/28	8LGRCY	28.89	Total Hatchery Flow 39.47	
	6smRCY	8.20		
	1&2W	11.84		
	1&2BH	10.29		
	WHRS	2.68.	5.06.	2.38 gain
	WTRS	5.23		
	Bar-S	6.61		

37.79 average

September 1992

9/4	8LGRCY	28.97	Total Hatchery Flow 39.63	
	6SMRCY	8.11		
	1&2W	12.09		
	1&2BH	10.53		
	WHRS	2.68.	5.23.	2.55 gain
	WTRS	5.30		
	Bar-S	6.79		

9/11	9LGRCY	28.08	Total Hatchery Flow 38.51	
	6SMRCY	8.51		
	1&2W	12.09		
	1&2BH	9.54		
	WHRS	2.32.	4.24.	1.92 gain
	WTRS	5.30		
	Bar-S	6.79		

9/18	9LGRCY	28.86	Total Hatchery Flow 40.02	
	6SMRCY	8.95		
	1&2W	12.28		
	1&2BH	10.19		
	WHRS	2.68.	4.89.	2.21 gain
	WTRS	5.30		
	Bar-S	6.98		

9/25	9LGRCY	28.69	Total Hatchery Flow 40.40	
	3SMRCY	9.59		
	1&2W	12.48		
	1&2BH	10.56		
	WHRS	2.94.	5.06.	2.12 gain
	WTRS	5.50		
	Bar-S	6.98		

39.64

October 1992

10/2	9LGRCY	29.28	Total Hatchery Flow 40.81	
	35mRCY	9.71		
	1&2W	12.67		
	1&2BH	10.26		
	WHRS	2.94.	4.76.	1.82 gain
	WTRS	5.50		
	Bar S	7.17		
10/9	9LGRCY	30.53	Total Hatchery Flow 41.00	
	35mRCY	9.50		
	1&2W	13.35		
	1&2BH	10.24		
	WHRS	3.27.	4.24.	.97 gain
	WTRS	6.00		
	Bar-S	7.35		
10/16	9LGRCY	31.00	Total Hatchery Flow 41.74	
	35mRCY	9.51		
	1&2W	13.55		
	1&2BH	10.89		
	WHRS	3.66.	4.89.	1.23 gain
	WTRS	6.00		
	Bar S	7.55		
10/23	9LGRCY	31.02	Total Hatchery Flow 41.18	
	6smRCY	8.95		
	1&2W	12.28		
	1&2BH	9.45		
	WHRS	2.94.	4.15.	1.21 gain
	WTRS	5.30		
	Bar-S	6.98		

10/30 9LGRCY 31.30 Total Hatchery Flow 41.57

6SMRCY 9.06

1&2W 12.82

1&2BH 9.89

WHRS 3.03. 4.24. 1.21

WTRS 5.65

Bar-S 7.17

S.P. 1.05

41.26

November 1992

11/6	9LGRCY	31.27	Total Hatchery Flow 41.11	
	6SMRCY	9.59		
	1&2W	13.00		
	1&2&4	9.17		
	WHRS	3.27.	3.52.	.25 gain
	WTRS	5.65		
	Bar-S	7.35		
	SP	.27	sample L.1	
11/13	9LGRCY	31.23		
	6SMRCY	9.15	Total Hatchery Flow 41.42	
	1&2W	12.97		
	1&2&4	9.87		
	WHRS	3.03.	4.07.	1.04 gain
	WTRS	5.80		
	Bar-S	7.17		
	SP.	.37	sample L.1	
11/20	9LGRCY	30.07		
	6SMRCY	8.36	Total Hatchery Flow 39.08	
	1&2W	12.47		
	1&2&4	8.89		
	WHRS	2.94.	3.59.	.65 gain
	WTRS	5.30		
	Bar-S	7.17		
	SP	.50		
11/27	9LGRCY	31.61		
	6SMRCY	8.14	Total Hatchery Flow 40.55	
	1&2W	12.47		
	1&2&4	9.37		
	WHRS	3.27.	4.07.	.80 gain
	WTRS	5.30		
	Bar-S	7.17		
	SP.	.37		

40.54

December 1992

12/4 9LGRCY 34.12 Total Hatchery Flow 42.71
6SMRCY 7.78
1&2W 11.84
1&2BY 9.47
WHRS 3.43. 4.24. .81 gain.
WTRS 5.23
Bar-S 6.61
S.P. .46

12/11 9LGRCY 34.65 Total Hatchery Flow 43.15
3SMRCY 7.58
1&2W 10.74
1&2BY 9.57
WHRS 3.97. 4.89. .92
WTRS 4.68
Bar-S 6.06
S.P. .46

12/18 9LGRCY 31.93 Total Hatchery Flow 41.54
6SMRCY 8.81
1&2W 12.48
1&2BY 9.57
WHRS 3.27. 4.07. .80 gain
WTRS 5.50
Bar-S 6.98
S.P. .72

42.46

January 1993

1/1	9LGRCY	32.01	Total Hatchery Flow 41.51
	6smRCY	8.29	
	1d2W	11.84	
	1d2BH	9.71	
	WHRS	3.27.	4.48. 1.21 gain
	WHRS	5.23	
	BarS	6.61	
	SP.	.32	
1/8	9LGRCY	31.37	Total Hatchery Flow 40.73
	6smRCY	8.39	
	1d2W	10.79	
	1d2BH	8.79	
	WHRS	3.27.	4.24. .97 gain
	WTRS	4.55	
	BarS	6.24	
	SP	.57	
1/15	9LGRCY	31.60	Total Hatchery Flow 41.22
	6smRCY	8.88	
	1d2W	12.21	
	1d2BH	8.65	
	WHRS	2.68.	3.42. .74 gain
	WTRS	5.23	
	BarS	6.98	
	S.P.	.43	
1/22	9LGRCY	28.36	Total Hatchery Flow 37.89
	6smRCY	8.54	
	1d2W	11.61	
	1d2BH	8.07	
	WHRS	2.08.	3.07. .99 gain
	WTRS	5.00	
	BarS	6.61	
	SP	.46	

average 41.15 before pump shut off

Shut off below Hill pump

41.22
37.89
3.33

41.22
37.82

1/29	9LGRC4	27.64	Total Hatchery Flow 36.74	
	6SMRC4	8.20		
	1&2W	11.45		
	1&2OH	7.67		
	W+RS	1.93.	2.83.	.90 gain
	W+RS	4.84		
	Bar S	6.61		
	S.P.	.57		

February 1993

2/5	8LGRCY	26.15	Total Hatchery Flow 35.37	
	6smRCY	8.23		
	1&2W	11.45		
	1&2BY	7.65		
	WHRS	1.82.	2.81.	.99 gain
	WTRS	4.84		
	Bar-S	6.61		
	S.P.	.57		
2/12	8LGRCY	27.00	Total Hatchery Flow 35.98	
	6smRCY	8.14		
	1&2W	9.03		
	1&2BY	6.82		
	WHRS	2.32.	3.16.	.84 gain
	WTRS	3.66		
	Bar-S	5.37		
	S.P.	.72		
2/19	8LGRCY	27.58	Total Hatchery Flow 36.05	
	6smRCY	7.39		
	1&2W	9.95		
	1&2BY	7.22		
	WHRS	2.08.	3.16.	1.08 gain
	WTRS	4.06		
	Bar-S	5.89		
	S.P.	.37		
2/26	8LGRCY	26.79	Total Hatchery Flow 35.52	
	6smRCY	7.39		
	1&2W	9.61		
	1&2BY	7.39		
	WHRS	2.08.	3.42.	1.34 gain
	WTRS	3.97		
	Bar-S	5.54		
	S.P.	.46		

35.73

March 1993

3/5	SLGRCY	23.87	Total Hatchery Flow 35.16	
	GSMRCY	7.60		
	1&2W	8.85	Start including settling pond flow in Tot	
	1&2BH	6.73	Hatchery Flow on this date.	
	WHRS	1.72.	3.07. 1.35 gain	
	WTRS	3.66		
	Bar-S	5.19		
	S.P.	2.34		
3/12	SLGRCY	25.51	Total Hatchery Flow 34.77	
	GSMRCY	7.43		
	1&2W	9.75		
	1&2BH	6.89		
	WHRS	1.37.	2.83. 1.46 gain	
	WTRS	4.06		34.69
	Bar-S	5.89		
	S.P.	.37		
3/17	SLGRCY	24.95	Total Hatchery Flow 34.57	
	GSMRCY	8.09		
	1&2W	11.61		
	1&2BH	9.24		
	WHRS	3.03.	4.24. 1.21 gain	
	WTRS	5.00		
	Bar-S	6.61		
	SP	.32		
3/26	SLGRCY	25.23	Total Hatchery Flow 34.29	
	GSMRCY	7.28		
	1&2W	11.11		
	1&2BH	8.27		
	WHRS	2.68.	3.58. .91 gain	
	WTRS	4.68		
	Bar-S	6.43		
	SP	.37		

April 1993

4/2	6 LGRCY	25.27	Total Hatchery Flow 33.89	
	3 SMRCY	7.10		
	1&2W	10.92		
	1&2BH	8.51		
	WHRS	2.68.	3.83.	1.15
	WTRS	4.68		
	Bar-S	6.24		
	S.P.	.37		
4/9	6LGRCY	25.32	Total Hatchery Flow 34.06	
	3SMRCY	7.32		
	1&2W	11.45		
	1&2BH	8.26		
	WHRS	2.32.	3.42.	1.10
	WTRS	4.84		
	Bar-S	6.61		
	SP	.32		
4/16	6LGRCY	25.12	Total Hatchery Flow 34.93	
	3SMRCY	7.32		
	1&2W	11.45		
	1&2BH	8.91		
	WHRS	2.70.	4.07.	1.37 gain
	WTRS	4.84		
	Bar-S	6.61		
	SP.	.32		
4/23	6LGRCY	22.86	Total Hatchery Flow 30.32	
	3SMRCY	7.07		
	1&2W	11.45		
	1&2BH	7.91		
	WHRS	2.68.	3.07.	.39 gain
	WTRS	4.84		
	Bar-S	6.61		
	SP	0	pumps on 4/22/93 for irrigation	

4/27 Turn off Bar S Ditch!

4/29 Dominic Macfadden asked for information on highest and lowest water measurements. Information given was 73 plus CFS when the hatchery was started, the high point in winter of 1991-1992 54.36 which was the highest since I've been here (1978), and the lowest point in the high water time (November, December) 45.21.

Gordon Shoffner

4/30 6LGRCY 22.77 Total Hatchery Flow 31.16

35mRCY	7.30
1d2W	7.55
1d2OH	8.64
WHRS	0
WTRS	7.55
Bar-S	0
S.P.	0

1.09 gain

May 1993

5/7 6LGRC4 22.35 Total Hatchery Flow 31.08
35mRC4 7.07
162W 11.24
162OH 8.59
WHRS 1.93 3.59 1.66 gain
WTRS 5.00
Bar-S 6.24
SP 0

5/14 5LGRC4 22.04 Total Hatchery Flow 30.33
35mRC4 7.54
162W 11.08
162OH 7.67
WHRS 2.08. 2.83. .75 gain
WTRS 4.84
Bar-S 6.24
SP. 0

30.70 average

5/21 5LGRC4 20.99 Total Hatchery Flow 30.49
35mRC4 7.43
162W 11.08
162OH 8.99
WHRS 2.08. 4.15 2.07 gain
WTRS 4.84
Bar-S 6.24 5/24 Turn on pump 2:15 pm
SP. 0

5/28 5LGRC4 23.95 Total Hatchery Flow 33.63
35mRC4 7.43
162W 11.73
162OH 9.37
WHRS 1.82. 4.07. 2.25 gain
WTRS 5.30
Bar-S 6.03
SP 0

June 1993

6/4	6LGRCY	24.15	Total Hatchery Flow 33.55		
	3smRCY	7.65			
	1&2W	11.84			
	1&2BH	9.06			
	WHRS	2.08.	3.83.	1.75 gain	
	WTRS	5.23			
	Bar-S	6.61			
	SP	0			
6/11	6LGRCY	24.71	Total Hatchery Flow 36.08		
	3smRCY	8.04			
	1&2W	11.61			
	1&2BH	10.47			
	WHRS	2.14.	5.47	3.33 gain	
	WTRS	5.00			35.26 Average
	Bar-S	6.61			
	SP	0			
6/18	6LGRCY	26.76	Total Hatchery Flow 3594		31.26 pumpoff Average
	6smRCY	7.71			
	1&2W	11.24			
	1&2BH	9.15			
	WHRS	2.68.	4.15	1.47 gain	
	WTRS	5.00			
	Bar-S	6.24			
	SP	0			
6/25	7LGRCY	26.42	Total Hatchery Flow 35.45		
	6smRCY	7.64			
	1&2W	10.90			
	1&2BH	8.67			
	WHRS	2.44.	3.83.	1.39 gain	
	WTRS	4.84			
	Bar-S	6.06			
	SP	0			

July 1993

7/2 7LGRCY 25.86 Total Hatchery Flow 35.64
6smRCY 7.57
1&2W 10.44
1&2B4 9.44
WHRS 2.68. 4.89. 2.21 gain
WTRS 4.55
Bar-S 5.89
S.P. 0

7/9 7LGRCY 25.85 Total Hatchery Flow 35.29
6smRCY 7.36
1&2W 10.26
1&2B4 9.31
WHRS 2.68. 4.76. 2.08 gain
WTRS 4.55
Bar-S 5.71
S.P. 0

7/16 7LGRCY 25.54 Total Hatchery Flow 34.91
6smRCY 7.93
1&2W 10.57
1&2B4 8.83
WHRS 2.71. 4.15. 1.44 gain
WTRS 4.68
Bar-S 5.89
SP. 0

7/23 7LGRCY 24.93 Total Hatchery Flow 33.83
3smRCY 6.89
1&2W 11.43
1&2B4 8.83
WHRS 1.82. 3.83. 2.01 gain
WTRS 5.00
Bar-S 6.43
SP 0

7/30	7LGRCK	25.59	Total Hatchery Flow 33.65		
	35mRCK	7.46			
	1&2W	11.43			
	1&2BH	8.42			
	WHRS	2.82	3.42	.60 gain	
	WTRS	5.00			34.66
	Bar-S	6.43			
	SP.	0			33.66

August 1993

8/6	7LGRCY	25.18		Total Hatchery Flow 34.02	
	3smRCY	9.44			
	1&2W	10.86			
	1&2BH	8.27			
	WHRS	2.19.		3.59.	1.40 gain
	WTRS	4.68			
	Bar-S	6.18			
	S.P.	0			
8/13	7LGRCY	25.14		Total Hatchery Flow 33.68	
	3smRCY	8.15			
	1&2W	11.66			
	1&2BH	8.06			
	WHRS	2.44.		2.83.	.39 gain
	WTRS	5.23			
	Bar-S	6.43			
	SP	0			
8/20	3LGRCY	25.68		Total Hatchery Flow 37.63	
	6smRCY	9.12			
	1&2W	10.90			
	1&2BH	9.60			
	WHRS	1.93.		4.76.	2.83 gain
	WTRS	4.84			
	Bar-S	6.06			
	SP.	0			
8/27	6LGRCY	24.37	28.27	8/26 Turn off pump	8/27 pump off Total Flow 36.75
	6smRCY	9.04	8.80	8/27 Turn pump on	Total Flow 39.81
	1&2W	11.66	2.74	and adjust silver pipe flow	
	1&2BH	8.57			
	WHRS	2.94.		6.28.	3.34 gain
	WTRS	5.23			
	Bar-S	6.43			
	SP.	0			

3629 through pump on

3229 pump off

September 1993

9/3 8LGRCY 28.60 Total Hatchery Flow 39.59
35mRCY 9.13
162W 11.24
162BH 9.24
WHRS 2.44. 4.24, 1.80 gain
WTRS 500
Bar-S 6.24
S.P. 0

9/10 8LGRCY 29.00 Total Hatchery Flow 41.23
35mRCY 9.71
162W 11.66
162BH 10.69
WHRS 294. 5.46. 2.52 gain 41.15
WTRS 5.23 37.15 pump off
Bar-S 6.43
S.P. 0

9/17 8LGRCY 29.25 Total Hatchery Flow 40.59
35mRCY 9.72
162W 11.84
162BH 10.12
WHRS 327. 4.89. 1.62 gain
WTRS 5.23
Bar-S 6.61
S.P. 0

9/24 8LGRCY 30.93 Total Hatchery Flow 43.20
35mRCY 9.51
162W 12.48
162BH 10.96
WHRS 2.70. 5.46. 2.76 gain
WTRS 5.50
Bar-S 6.98
SP. 0

9/27 TURN PUMP OFF. measure L6 Ponds before 31.70. After 29.08

October 1993

10/1 9LGRCY 29.19 Total Hatchery Flow 41.21
35mRCY 9.26
1&2W 12.48
1&2BY 10.96
WHRS 2.70. 5.46. 2.76 gain
WTRS 5.50
Bar-S 6.98
SP. 0

10/15 9LGRCY 33.49 Total Hatchery Flow 43.46
6smRCY 8.50
1&2W 12.29
1&2BY 9.65
WHRS 2.68. 4.15. 1.47 gain
WTRS 5.50
Bar-S 6.79
SP 0

10/22 9LGRCY 33.60 Total Hatchery Flow 43.85
6smRCY 8.78
1&2W 12.48
1&2BY 9.65
WHRS 2.68. 4.15. 1.47 gain
WTRS 5.50
Bar-S 6.98
S.P. 0

10/29 9LGRCY 33.66 Total Hatchery Flow 44.88
35mRCY 9.27
1&2W 12.97
1&2BY 10.69
WHRS 2.94. 4.89. 1.95 gain
WTRS 5.80
Bar-S 7.17
SP. 0

November 1993

11/5	9LGRCY	33.72		Total Hatchery Flow 44.37
	3smRCY	9.35		
	1&2W	12.78		
	1&2BH	10.04		
	WHRS	2.94.	4.24.	1.30 gain
	WTRS	5.80		
	Bar-S	6.98		
	SP.	.57		
11/12	9LGRCY	32.39		Total Hatchery Flow 43.14
	7smRCY	9.54		
	1&2W	12.29		43.98
	1&2BH	9.65		
	WHRS	2.94.	4.15.	1.21 gain
	WTRS	5.50		
	Bar-S	6.79		
	SP.	.46		
11/26	9LGRCY	35.19		Total Hatchery Flow 44.42
	7smRCY	8.53		
	1&2W	12.48		
	1&2BH	9.57		
	WHRS	3.37.	4.07.	.70 gain
	WTRS	5.50		
	Bar-S	6.98		
	SP.	.57		

December 1993

12/3	9LGRCY	35.58	Total Hatchery Flow 44.03	
	7SMRCY	8.23		
	1&2W	11.98		
	1&2OH	8.59		
	WHRS	3.37.	3.59.	.22 gain
	WTRS	5.00		
	Bar-S	6.98		
	SP	.46		
12/10	9LGRCY	34.74	Total Hatchery Flow 43.19	
	7SMRCY	7.65		
	1&2W	11.98		
	1&2OH	9.07		
	WHRS	3.27.	4.07.	.80 gain
	WTRS	5.00		
	Bar-S	6.98		
	SP	.32		
12/17	9LGRCY	34.95	Total Hatchery Flow 43.14	
	7SMRCY	7.70		
	1&2W	11.98		
	1&2OH	8.52		
	WHRS	3.03.	3.52.	.49 gain
	WTRS	5.00		
	Bar-S	6.98		
	SP.	.32		
12/24	9LGRCY	33.80	Total Hatchery Flow 41.05	
	7SMRCY	6.61		
	1&2W	11.63		
	1&2OH	8.26		
	WHRS	2.68.	3.42.	.74 gain
	WTRS	4.84		
	Bar-S	6.79		
	S.P.	.72		

12/31 9LGRCY 34.13 Total Hatchery Flow 41.57

7SMRCY 6.46

1&2W 11.63

1&2BH 8.26

WHRS 2.44. 3.42. .98gain

WTRS 4.84

Bar-S 6.79

SP 32

42.60

January 1994

1/7	9LGRCY	34.06	Total Hatchery Flow 41.25		
	45mRCY	6.80			
	1d2W	11.79			
	1d2BH	8.07			
	WHRS	2.68.	3.07.	.39	
	WTRS	5.00			
	Bar-S	6.79			
	SP	.46			
1/14	9LGRCY	32.49	Total Hatchery Flow 40.37		
	45mRCY	6.80			
	1d2W	11.45			
	1d2BH	8.36			
	WHRS	2.44.	3.52.	1.08 gain	40.09
	WTRS	4.84			
	Bar-S	6.61			
	SP.	.27			
1/21	9LGRCY	31.57	Total Hatchery Flow 39.47		
	45mRCY	6.92			
	1d2W	11.29			
	1d2BH	8.10			
	WHRS	2.44.	3.42.	.98 gain	
	WTRS	4.68			
	Bar-S	6.61			
	SP.	.21			
1/28	9LGRCY	31.59	Total Hatchery Flow 39.25		
	45mRCY	7.03			
	1d2W	11.45			
	1d2BH	7.88			
	WHRS	2.44.	3.07.	.63 gain	
	WTRS	4.84			
	Bar-S	6.61			
	SP.	.37			

February 1994

2/4	9LGRCY	31.35	Total Hatchery Flow 38.87	
	4SMRCY	7.03		
	1&2W	11.11		
	1&2BH	7.49		
	WHRS	2.32	2.81	.49 gain
	WTRS	2.81		
	Bar-S	6.43		
	SP	.27		
2/11	8LGRCY	30.85	Total Hatchery Flow 40.48	
	6SMRCY	8.50		
	1&2W	11.61		39.28
	1&2BH	9.07		
	WHRS	2.94	4.07	1.13
	WTRS	5.00		
	Bar-S	6.61		
	S.P.	.32		
2/18	9LGRCY	29.20	Total Hatchery Flow 38.48	
	6SMRCY	8.40		
	1&2W	12.40		
	1&2BH	8.30		
	WHRS	2.19	3.07	.88 gain
	WTRS	5.23		
	Bar-S	7.17		
	SP	.27		
2/25	9LGRCY	32.37	Total Hatchery Flow 37.68	
	2SMRCY	4.32		
	1&2W	11.98		
	1&2BH	7.81		
	WHRS	1.82	2.81	.99 gain
	WTRS	5.00		
	Bar-S	6.98		
	SP	.27		

March 1994

3/4	9LGRCY	32.50	Total Hatchery Flow 37.31	
	25mRCY	4.32	6.79	
	1&2W	11.63	30.52	Creek
	1&2BH	7.65		
	WHRS	2.32.	2.81. .49 gain	
	WTRS	4.84		
	Bar-S	6.79		
	SP.	.21		
3/11	9LGRCY	33.15	Total Hatchery Flow 37.49	
	25mRCY	3.74	6.61	
	1&2W	11.29	30.88	Creek
	1&2BH	7.10		
	WHRS	1.82.	2.42. .60 gain	
	WTRS	4.68		
	Bar-S	6.61		Ave
	SP.	.21		30.31
3/18	9LGRCY	32.52	Total Hatchery Flow 36.64	
	25mRCY	3.74	6.43	
	1&2W	10.97	30.21	
	1&2BH	6.56		
	WHRS	1.64.	2.02. .38 gain	
	WTRS	4.54		
	Bar-S	6.43	3/22/23 DEQ inspection and samples	
	SP	.46		
3/25	9LGRCY	31.84	Total Hatchery Flow 35.90	
	25mRCY	3.33	6.24	
	1&2W	10.79	29.66	
	1&2BH	7.10		
	WHRS	1.82.	2.55. .73 gain	
	WTRS	4.55		
	Bar-S	6.24		
	SP	0		

April 1994

4/1	9LGRCY	31.38	Total Hatchery Flow 35.65	
	2smRCY	3.43	6.43	
	1&2W	10.98	29.22	
	1&2BH	7.71		
	WHRS	2.32.	3.16.	.84 gain
	WTRS	4.55		
	Bar-S	6.43	4/4 Turn on switch to 25 horse pump. Run for	
	SP.	0	2 minutes 3:55 PM	
4/8	9LGRCY	30.29		
	2smRCY	333	Total Hatchery Flow 35.16	
	1&2W	10.98	6.43	
	1&2BH	9.03	28.73	
	WHRS	2.94.	4.48.	1.54 gain
	WTRS	4.55		
	Bar-S	6.43	4/12 Turn on pump! Adjust more water to	
	SP.	0	(4/14 McFadden water normal) McFadden for 2 days	
4/15	9LGRCY	31.54	Total Hatchery Flow 36.73	
	2smRCY	3.33	6.43	
	1&2W	11.11	30.3	average 29.35
	1&2BH	9.57		
	WHRS	3.03.	4.89.	1.86 gain
	WTRS	4.68		
	Bar-S	6.43		
	SP.	0		
4/22	9LGRCY	29.19	Total Hatchery Flow 36.52	
	4smRCY	5.70	7.35	
	1&2W	12.85	29.17	
	1&2BH	10.56		
	WHRS	3.43.	5.06.	1.63 gain
	WTRS	5.50		
	Bar-S	7.35		
	SP.			

4/30	9LGRCY	30.32	Total Hatchery Flow	38.45
	45mRCY	6.08		
	1d2W	6.43		
	1d2BH	8.05		
	WHRS	6.00.	8.05.	2.05 gain
	WTRS	0		
	Bans	6.43		
	SP	1.05		

May 1994

5/6	9LGRCY	29.99	Total Hatchery Flow	36.61
	4smRCY	5.83		7.17
	1&2W	7.17		29.461
	1&2BH	6.59		
	WHRS	5.80.	6.59.	.79 gain
	WTRS	0		
	Bar-S	7.17		
	S.P.	0		
5/13	9LGRCY	30.11	Total Hatchery Flow	37.92
	4smRCY	5.67		6.43
	1&2W	10.98		31.49
	1&2BH	8.62		
	WHRS	1.93.	4.07.	2.14 gain
	WTRS	4.55		
	Bar-S	6.43		
	S.P.	1.19		
5/20	9LGRCY	30.44	Total Hatchery Flow	39.35
	4smRCY	6.21		6.24
	1&2W	10.79		33.11
	1&2BH	9.44		
	WHRS	2.19.	4.89.	2.70 gain
	WTRS	4.55		
	Bar-S	6.24		
	S.P	0		
5/27	9LGRCY	29.28	Total Hatchery Flow	38.19
	4smRCY	6.90		6.61
	1&2W	11.45		31.58
	1&2BH	8.67		
	WHRS	1.82.	3.83.	2.01 gain
	WTRS	4.84		
	Bar-S	6.61		
	S.P.	0		

average 31.4

June 1994

6/3	9LGRCY	29.64	Total Hatchery Flow 39.05	
	45mRCY	6.75	6.61	
	1&2W	11.45	32.44	
	1&2BH	9.32		
	WHRS	1.82.	4.48. 2.66 gain	
	WTRS	4.84		
	Bar-S	6.61		
	SP.	0		
6/10	9LGRCY	29.42	Total Hatchery Flow 38.50	
	45mRCY	6.94	6.79	
	1&2W	11.63	31.71	
	1&2BH	8.91		
	WHRS	1.93.	4.07. 2.14 gain	
	WTRS	4.84		
	Bar S	6.79		
	SP	0		
6/17	9LGRCY	28.60	Total Hatchery Flow 35.88	
	45mRCY	5.93	7.75	
	1&2W	11.11	28.13	
	1&2BH	7.75		
	WHRS	1.72.	3.07. 1.35 gain	average 30.20
	WTRS	4.68		
	Bar S	6.43		
	SP.	0		
6/24	9LGRCY	26.83	Total Hatchery Flow 34.98	
	45mRCY	7.25	6.43	
	1&2W	10.98	28.55	
	1&2BH	7.38		
	WHRS	1.93.	2.83. .90 gain	
	WTRS	4.55		
	Bar S	6.43		
	SP.	0		

July 1994

7/1 9LGRCY 24.75 Total Hatchery Flow 34.79
6.61
28.18
6SMRCY 7.44
1&2W 11.29
1&2BH 8.92
WHRS 1.64. 4.24. 2.60 gain
WTRS 4.68
Bar-S 6.61
SP- 0

7/8 9LGRCY 25.74 Total Hatchery Flow 34.10
6.79
27.31
6SMRCY 6.76
1&2W 11.79
1&2BH 8.42
WHRS 1.82. 3.42. 1.60 gain
WTRS 5.00
Bar-S 6.79
S.P. 0

7/15 9LGRCY 26.84 Total Hatchery Flow 35.19 Average
6.61 27.82
28.58
6SMRCY 6.75
1&2W 11.45
1&2BH 8.26
WHRS 1.82. 3.42. 1.60 gain
WTRS 4.84
Bar-S 6.61
S.P. 0

7/22 9LGRCY 24.65 Total Hatchery Flow 33.11
6.61
26.5
6SMRCY 6.69
1&2W 11.29
1&2BH 8.27
WHRS 1.82. 3.59. 1.77 gain
WTRS 4.68
Bar-S 6.61
SP. 0

7/29	9LGRCT	2.555	Total Hatchery Flow	35.18
	6SMRCT	7.23		6.61
	1L2W	11.29		28.57
	12204	9.16		
	WHRS	2.08.	4.48.	2.40 gain
	WTRS	4.68		
	BarS	6.61		
	SP	0		

August 1994

8/5 SLGRCY 25.64 Total Hatchery Flow 34.97
6smRCY 7.42 6.79
1&2W 8.51 28.18
1&2SH 3.63
WHRS 0. 1.96 1.96 gain
WTRS 1.72
Bar-S 6.79
SP 0

8/19 SLGRCY 26.47 Total Hatchery Flow 38.03
6smRCY 8.49 7.17
1&2W 8.99 30.86
1&2SH 4.89
WHRS 0 3.07 3.07 gain
WTRS 1.82
Bar-S 7.17
SP 0

8/26 SLGRCY 26.92 Total Hatchery Flow 37.70
6smRCY 8.38 6.24 Average
1&2W 10.92 31.46 30.16
1&2SH 9.16
WHRS 2.08. 4.48. 2.40 gain
WTRS 4.68
Bar-S 6.24
SP 0

September 1994

9/1	6LGRCY	28.95	Total Hatchery Flow 40.68	
	6SMRCY	8.58		
	1&2W	11.63		
	1&2BH	10.07		
	WHRS	2.08.	523.	3.15 gain
	WTRS	4.84		
	Bar S	6.79		
9/11	7LGRCY	29.99	Total Hatchery Flow 41.99	
	6SMRCY	8.77		
	1&2W	11.79		
	1&2BH	10.91		
	WHRS	2.68.	591.	3.23 gain
	WTRS	5.00		
	Bar S	6.79	9/15 Turn pump off. Measure before 29.12	
	S.P.	0	Adjust FRT spring water after pump off 27.79	
9/16	7LGRCY	27.78		
	4SMRCY	9.01	Total Hatchery Flow 39.11	
	1&2W	11.47		
	1&2BH	9.44		
	WHRS	2.44.	4.76.	2.32
	WTRS	4.68		
	Bar S	6.79		
	S.P.			
9/23	7LGRCY	28.55	Total Hatchery Flow 40.49	
	4SMRCY	9.88		
	1&2W	11.82		
	1&2BH	9.60		
	WHRS	2.70.	4.76.	2.06 gain
	WTRS	4.84		
	Bar S	6.98		
	S.P.			

40.56
6.77
Average 33.77

9/30 7LGRCY 28.04 Total Hatchery Flow 42.09

GSMRCY 11.04

1&2W 12.40

1&2OH 11.51

WHRS 3.27 6.28 3.01 gpm

WTRS 5.23

BarS 7.17

S.P.

October 1994

10/7	8LGRCT	30.12	Total Hatchery Flow 42.15
	6SMRCT	10.73	
	1&2W	11.98	10/6 Between 12:30 and 1:30 PM McFadden was
	1&2BH	9.24	here and changed the water to his place, taste
	WHRS	2.94.	4.24. 1.30 about 2 inches more on their
	WTRS	5.00	value b
	Bar-S	6.98	
10/14	8LGRCT	31.99	
	6SMRCT	10.79	Total Hatchery Flow 43.82
	1&2W	13.24	
	1&2BH	9.57	
	WHRS	3.03.	4.07. 1.04 gain
	WTRS	5.50	
	Bar S	7.74	
	S.P.	.50	
10/21	9LGRCT	34.66	
	6SMRCT	10.15	Total Hatchery Flow 45.94
	1&2W	13.05	
	1&2BH	9.57	
	WHRS	2.94.	4.07. 1.13
	WTRS	5.50	
	Bar S	7.55	
	S.P.	.37	
10/28	9LGRCT	34.44	Total Hatchery Flow 45.24
	6SMRCT	9.67	
	1&2W	12.40	
	1&2BH	9.30	
	WHRS	2.94.	4.07. 1.13 gain
	WTRS	5.23	
	Bar-S	7.17	
	S.P.	.30	

November 1994

11/4	9LGRCY	34.41	Total Hatchery Flow: 44.82
	SSMRCY	9.52	
	1&2W	11.82	
	1&2BY	8.43	
	WHRS	2.70.	3.59. .89 gain
	WTRS	4.84	
	Bar-S	6.98	
	SP	.43	
11/11	9LGRCY	34.35	Total Hatchery Flow 43.60
	6SMRCY	8.61	
	1&2W	11.53	
	1&2BY	9.33	
	WHRS	2.19.	2.83. .64 gain
	WTRS	6.50	
	Bar-S	5.03	
	SP	.43	
11/26	9LGRCY	34.45	Total Hatchery Flow 42.37
	6SMRCY	7.43	
	1&2W	10.90	
	1&2BY	8.62	
	WHRS	1.93.	2.42. .49 gain
	WTRS	6.20	
	Bar-S	4.70	
	SP	.69	

December 1994

12/2	9LGRCY	32.35	Total Hatchery Flow 40.63	
	6SMRCY	7.66		
	1&2W	10.90		
	1&2BH	9.01		
	WHRS	2.19.	2.81.	.62 gain
	WTRS	6.20		
	Bar S	4.70		
	SP.	.37		
12/9	9LGRCY	33.15	Total Hatchery Flow 41.00	
	6SMRCY	7.64		
	1&2W	10.90		
	1&2BH	8.49		
	WHRS	2.08.	2.29.	.21 gain
	WTRS	6.20		
	Bar S	4.70		
	SP.	.27		
12/16	9LGRCY	32.74	Total Hatchery Flow 40.51	
	6SMRCY	7.43		
	1&2W	10.53		
	1&2BH	6.95		
	WHRS	2.08.	2.42	.34 gain
	WTRS	6.00		
	Bar S	4.53		
	SP.	.32		
12/23	9LGRCY	31.64	Total Hatchery Flow 39.91	
	6SMRCY	7.78		
	1&2W	10.33		
	1&2BH	8.22		
	WHRS	1.93.	2.42	.49 gain
	WTRS	5.80		
	Bar S	4.53		
	SP	.27		

12/30 9LGRCT 31.75

65mRCT 8.31

1&2W 10.17

1&2BH 8.22

WHRS 2.19. 2.420

WTRS 5.80

Bar.S 4.37

SR .27

Total Hatchery Flow 40.29

.23 gain