

**Idaho Dept of Water Resources  
ESPA Spring Diversion Inventory**

District 36A Date 7/13/2004  
 Basin \_\_\_\_\_ Ditch or users association 420  
 Diversion Name D of I @ <sup>Bis</sup> Idaho Springs POD Number 410070  
 Spring Name Fisher Lake & Tupper Springs Tributary to Billingsley Creek  
 GPS site ID \_\_\_\_\_ Inventory Examiner \_\_\_\_\_  
 Owner \_\_\_\_\_ Operator \_\_\_\_\_

mostly Idaho Springs (Fisher Lake water)  
 some Tupper Springs water in RW 1

Measuring Device Data	
Type of Device or Method	Contracted rect weir <u>Standard</u> Non-standard
If non-standard describe:	
Discharge and Measurement Method	
How Measurement was taken: (Staff gauge, current meter, polysonic meter)	<u>staff gauge</u>
Staff gauge Head Reading	<u>see notes</u>
Time of Day	<u><del>4:00 PM</del> 4:15 PM</u>
Table used for Q	Meter Measurement Confidence 2% 5% 10% +10%
<b>Total Flow =</b>	Does device meet IDWR standards? YES NO
Discharge notes attached? YES NO	Measurement Taken by:
Calculations Attached? YES NO	Is follow-up Needed? YES NO

Raceway weirs were ~~badly~~ badly in need of cleaning Lynn cleaned, Frank requested letter to operator

**Concerns about measuring device:**

L RW1L L=6.0 h=0.14 No fish	RW10 5.97=L h=0.27
RW1R L=6.0 h=0.13 No fish	RW11 6.0=L h=0.28
RW2 L=6.0 h=0.27 <del>no</del>	RW12 6.11=L h=0.27
RW3 L=6.0 h=0.28	RW13 5.98=L h=0.27
RW4 L=6.0 h=0.16 No fish	Bypass from Fisher Lake to Billingsley Creek - no MO, two long, very warped check boards
RW5 L=6.0 h=0.14 No fish	
RW6 L=6.0 h=0.32	
RW7 L=6.0 h=0.33 No fish	
RW8 L=6.0 h=0.24 <del>No fish</del>	
RW9 L=6.0 h=0.24	Not diverting to hatch house on 7/13/2004

Hatchery raceway measurements

Site: University of Idaho Hatchery @ Big Springs  
Date: 7/13/2004  
WMIS ID: 410070  
Source: Springs (Tupper Springs and Fisher Lake/Big Springs/Idaho Springs)

Measured 14 contracted rectangular weirs at tail end of raceways.

Most of the water appeared to be coming from Fisher Lake (Big Springs/Idaho Springs), some of the water in raceway #1 was from Tupper Springs.

Raceway weirs were badly in need of cleaning. Lynn Babington cleaned them for our measurement. Frank Erwin requested IDWR send a letter to the operator reminding them to clean the weirs prior to each measurement.

RACEWAY	LENGTH	HEAD	DISCHARGE
1L	6.00	0.14	1.04
1R	6.00	0.13	0.93
2	6.00	0.27	2.78
3	6.00	0.28	2.93
4	6.00	0.16	1.27
5	6.00	0.14	1.04
6	6.00	0.32	3.58
7	6.00	0.33	3.75
8	6.00	0.24	2.33
9	6.00	0.24	2.33
10	5.97	0.27	2.76
11	6.00	0.28	2.93
12	6.11	0.27	2.83
13	5.98	0.27	2.77
Total			33.28