

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8605

Exam Date: 9/4/2015

1. Current Owner: PIONEER RESIDENTIAL & RECREATIONAL PROPERTIES LLC
C/O ENNIS DALE
GROSSMAN COMPANY PROPERTIES
3101 N CENTRAL AVE STE 1390
PHOENIX AZ 85012
2. Accompanied by: Benny Walker (IDWR Staff)

3. SOURCE

BIG WOOD RIVER

TRIBUTARY

MALAD RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-8438(irrigation, domestic), 37-12694 (domestic), City of Ketchum(municipal)
2. Other water rights with the same point of diversion: 37-8248 (same man made channel)

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

BIG WOOD RIVER

SW1/4NE1/4

Sec. 12, Twp 04N, Rge 17E, B.M.

BLAINE County

Method of Determination: GPS from field exam.

2.

PLACE OF USE: RECREATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
04N	17E	12	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
					X														

Method of Determination: 2013 ESRI aerial photography.

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

D. FLOW MEASUREMENTS

1.

**Measurement
Equipment**

6 ft. Cipolletti Weir

2. Measurements:

Water District 37 Water Master records from 1991 indicates flows up to 7.14 cfs during the development period. (see attached)

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

Water District 37 Water Master records from 1992 indicates an annual volume of 876.1 AF during the development period. Seeing the permit is for year round use more volume should be allowed for the wet and rainy non-irrigation portion of the year but not for the winter months. As a result one extra cfs of water at 1.9835 AF/per day for 92 days in March, October and November was calculated and added to the reported annual volume. (92 days X 1.9835 AF/per day = 182.5AF) Recommend the recorded flow rate of 7.14 cfs plus the calculated annual volume of 1058.6 AF for recreational use for this license. (876.1 AF + 182.5 AF= 1058.6 AF) (see attached)

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 37-8605 was filed on October 08, 1991 by Sam and Peggy Grossman to appropriate 10.0 cfs of water from the Big Wood River for recreational uses associated with a man made, aesthetic channel. The permit was approved on December 18, 1991 and Proof of Beneficial Use was filed on September 23, 1992.

The system consists of an existing headgate, channel and a small pond that has been constructed across the man made channel. Two 6 foot cipolletti weirs were installed on the channel one at the point of diversion and also one where the channel returns to the Big Wood River. Water District 37 records from 1991-1992 indicate flows up to 7.14 cfs and an annual volume of 876.1 AF for the irrigation season during the development period. (see attached) Seeing the permit is for year round use more volume should be allowed for the wet and rainy non-irrigation portion of the year but not for the winter months. As a result one extra cfs of water at 1.9835 AF/per day for 92 days in March, October and November was calculated and added to the reported annual volume. (92 days X 1.9835 AF/per day = 182.5AF) Recommend the recorded flow rate of 7.14 cfs plus the calculated annual volume of 1058.6 AF for recreational use for this license. (876.1 AF + 182.5 AF= 1058.6 AF)

The application describes a pond with a capacity of approximately 0.25 AF. During the exam it was noted a small pond had been excavated across the channel having the following dimensions of 5663 sq. ft. and an average depth of 2 ft.(approximately 0.25 AF) A condition indicating the size and capacity of the small pond will be placed on the license as an alternative to a storage component.

Note, this license is an extension of the channel covered under water right 37-8248. Water right 37-8248 and 37-8605 share the same point of diversion. It is also recommended to drop the 10 acre tract from this license to correspond with the legal description of the point of diversion for water right 37-8248. A combined limit condition of 10.0 cfs for the two water rights is also recommended.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

2.

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	1/01 to 12/31	7.14 CF	1058.6 AF
<u>Totals:</u>		7.14 CFS	1058.6 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Sara Reeder Date 12/8/15

Reviewer [Signature] Date 12/7/15

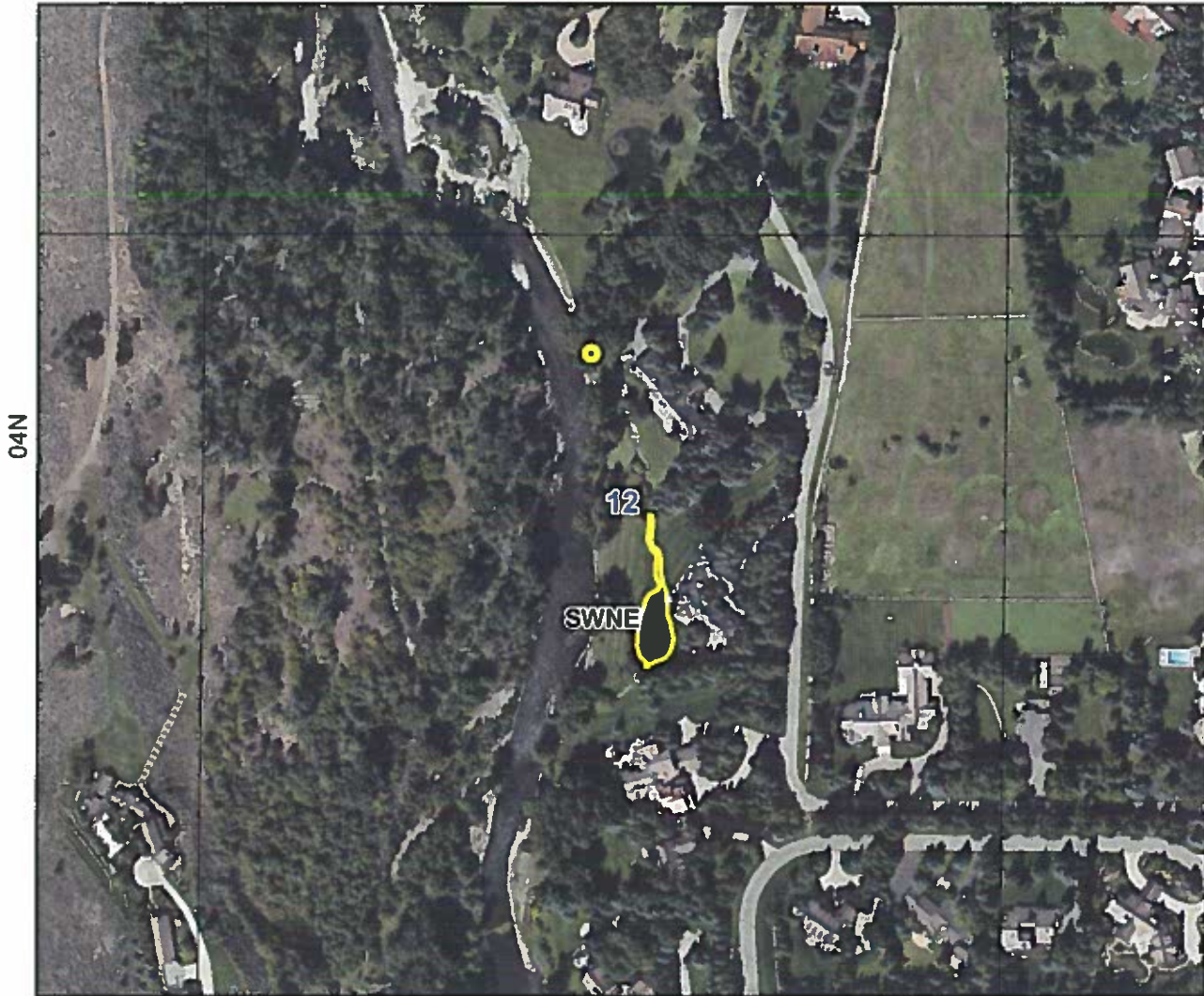
State of Idaho
Department of Water Resources

Attachment To Water Right License

37-8605

This map depicts the RECREATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

17E



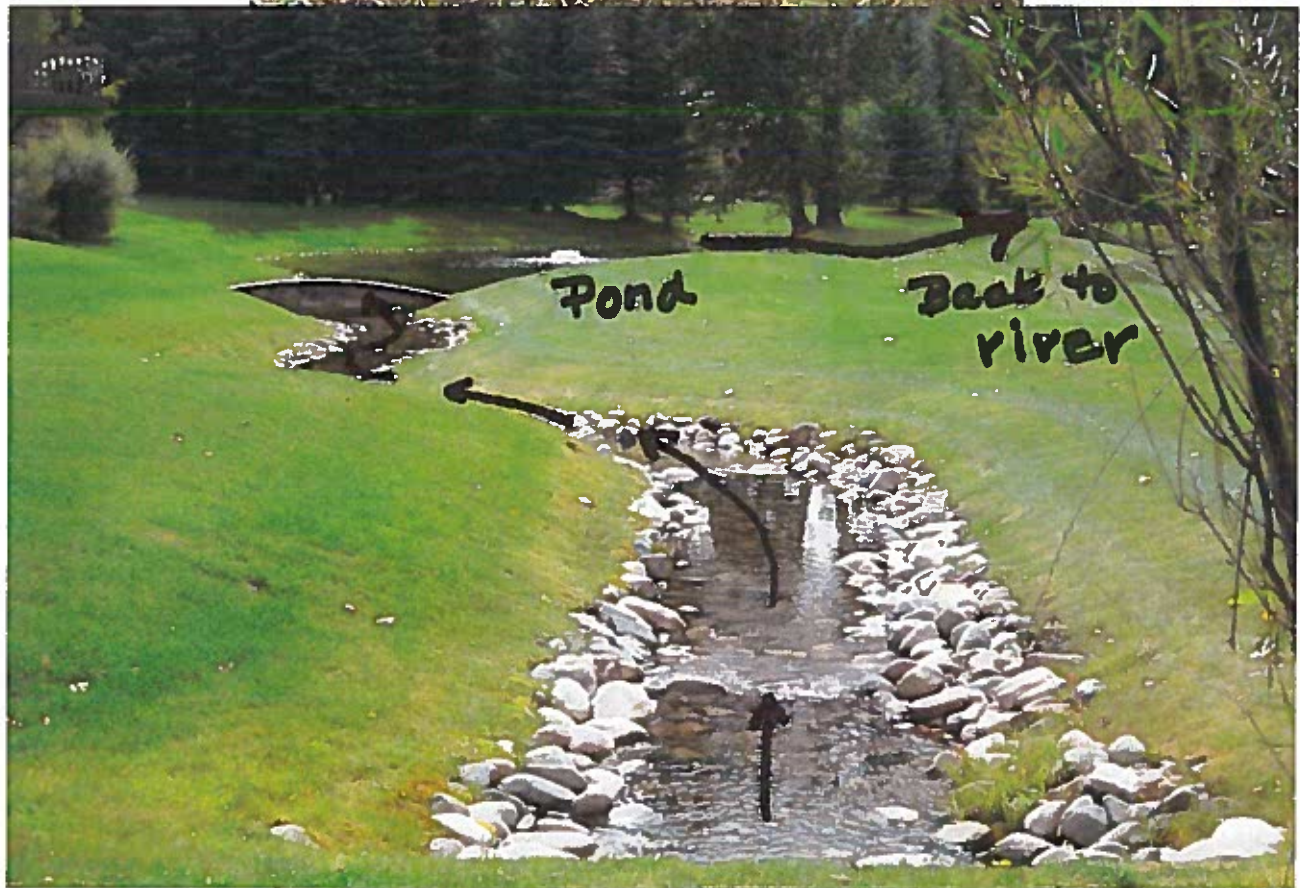
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.035 0.07 0.14 Miles



review
9/4/15

Head
gate



Field Exam
37-8605

Pretty Pond

freder
9/4/15

WATER DISTRICT #37 & 37-M

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CANAL NAME	GROSS	CANAL NUMBER	005	1991
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OWNER SAM GROSSMAN

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DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1		2.28	1.18	5.70	2.22	0.74	1
2		2.28	1.18	5.70	1.94	0.74	2
3		2.52	1.30	6.72	1.94	0.74	3
4		2.52	1.30	6.72	1.94	0.64	4
5		2.52	1.82	6.30	2.84	0.64	5
6		1.44	1.82	6.30	2.84	0.84	6
7		1.44	1.82	6.30	1.18	0.84	7
8		2.52	1.82	5.50	1.18	0.84	8
9		2.52	1.82	5.50	1.06	2.84	9
10		1.92		5.20	1.06	2.84	10
11		1.92		5.20	1.06	2.68	11
12		1.92		4.92	0.84	2.68	12
13		1.56		4.92	0.84	1.80	13
14		1.56		4.92	0.74	1.80	14
15		1.92		4.18	0.74	1.80	15
16		1.92		4.18	0.84	1.54	16
17		2.52		3.82	0.84	1.54	17
18		2.52		3.82	0.84	1.18	18
19		2.52		2.68	0.64	1.18	19
20		2.40		2.68	0.64	1.06	20
21		2.40	7.14	2.68	0.64	1.06	21
22		2.52	7.14	3.16	0.64	1.06	22
23		2.52	7.24	3.16	1.00	0.84	23
24	2.52	2.94	6.30	3.16	1.00	0.84	24
25	2.52	2.94	6.30	3.16	1.00	0.74	25
26	2.52	2.94	6.30	4.18	0.64	0.74	26
27	2.52	1.00	6.30	4.18	0.64	0.64	27
28	2.52	1.00	6.30	4.18	0.74	0.64	28
29	2.28	1.18	6.30	2.52	0.74	0.64	29
30	2.28	1.18	6.30	2.52	0.74	0.84	30
31		1.18		2.22	0.74		31
=====							
TOTAL	17.16	64.52	79.68	136.38	34.74	37.00	

YEARLY C.F.S. 369.48

YEARLY ACRE FEET 731.57832

TOTAL NO. OF DAYS 149

YEARLY MEAN 2.48

WATER DISTRICT #37 & 37-M

=====							1992
CANAL NAME	GROSS		CANAL NUMBER 005				
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OWNER	SAM GROSSMAN		NON-CONSUMPTIVE				
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DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
=====							
1	2.84	4.92	4.92	2.38	1.06		1
2	2.84	4.92	4.92	2.38	1.06		2
3	2.84	4.92	4.92	1.86	1.00		3
4	2.84	4.92	4.92	1.86	1.00		4
5	2.84	4.92	4.54	1.30	1.00		5
6	3.16	5.50	4.54	1.30	1.00		6
7	3.16	5.50	4.54	1.30	1.00		7
8	2.84	5.90	4.18	1.18	1.00		8
9	2.84	5.90	4.18	1.18	1.00		9
10	2.52	6.10	3.66	1.06	1.00		10
11	2.52	6.10	3.66	1.06	1.00		11
12	2.52	6.10	3.48	1.06	1.00		12
13	3.16	5.12	3.48	0.84	1.00		13
14	3.16	5.12	3.48	0.84	1.00		14
15	3.48	5.12	3.32	0.84	1.00		15
16	3.48	5.12	3.32	0.84	1.00		16
17	3.48	5.12	3.48	0.84	1.00		17
18	3.48	5.90	3.48	0.84	1.00		18
19	3.48	5.90	3.82	0.84	1.00		19
20	3.48	5.90	3.82	0.64	1.00		20
21	3.48	5.90	3.82	0.64	1.00		21
22	3.48	5.70	3.32	0.84	1.00		22
23	3.48	5.70	3.32	0.84	1.00		23
24	3.16	5.70	3.32	0.64	1.00		24
25	3.16	5.50	3.32	0.64	1.00		25
26	3.16	5.50	4.18	0.64	1.00		26
27	4.18	5.50	4.18	1.18	1.00		27
28	4.18	5.50	2.52	1.18			28
29	5.12	5.50	2.52	1.06			29
30	5.12	5.50		1.06			30
31		5.50		1.06			31
=====							
TOTAL	99.48	170.50	111.16	34.22	27.12	0.00	

YEARLY C.F.S. 442.48

YEARLY ACRE FEET 876.1104 *

TOTAL NO. OF DAYS 148

YEARLY MEAN 2.99