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DEPARTMENT OF
WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AMENDED BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 63-33136

1. Owner Woods No. 3 Owners Association Inc. Phone No. 208-854-0802

Current address c/o Lawrence Knight, 5181 N. Lakemont Ln., Boise, ID 83703-1772

2. Examiner's name Marci Pape EXAM DATE 7/13/2011

3. Accompanied by Lawrence Knight Email _____

Address same as above

Relationship to permit holder Resident and Water System Manager Phone No. _____

4. Source Ground Water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use None

2. Other water rights with the same point of diversion None

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1			SE	NE	23	4N	1E	Ada	Exam, 2009 Photo
2			NE	SE	23	4N	1E	Ada	Exam, 2009 Photo
3			NE	SE	23	4N	1E	Ada	Exam, 2009 Photo
4			NE	SE	23	4N	1E	Ada	Exam, 2009 Photo

2. Place(s) of Use: Method of determination Exam, 2009 Photo

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	23				Lt 1									Lt 1				
						X									X			X	

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:**

E. NARRATIVE/REMARKS/COMMENTS

Four ponds within Woods at Riverside No. 3 Subdivision intercept and fill with shallow ground water. Pond 1 is approximately 15 feet deep and ponds 2 through 4 are approximately 10 feet deep, all with sloped sides. A coefficient of 0.4 was used to account for the slopes. Depth of Pond 1 was based on depths previously reported by residents, as well as depths recently measured by Gregg Long, a HOA Board member. Depths ranging from 10 to 25 feet have been reported, so a representative depth of 15 feet was selected. Total pond surface area was calculated at 4.5 acres using GIS tools and 2009 aerial photography. The recommended diversion points reflect geometric centers of the four ponds. Evaporative losses resulting from the ponds are mitigated with 5 shares of surface water from Boise Valley Irrigation Ditch Co. that is delivered through Headgate No. 21 to Elmore Drain per approved transfer 75285. Elmore Drain runs through the subdivision as shown in Attachment C. The Elmore Drain surface area was not included in the total surface area calculated for the ponds.

A licensing amendment needs made to add the SESE, Section 23 as part of the storage POU to account for a small portion of Pond 2 located in that tract as shown in Attachment C.

Attachment A is a copy of the permit and proof of beneficial use.

Attachment B is a topographical map and aerial photo.

Attachment C is photos of the places of use.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS

Additional computation sheets attached

Measured Method:

G. 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:

Pond 1: 1.6 acres x 15' depth x 0.4 slope factor = 9.6 af

Pond 2: 1.9 acres x 10' depth x 0.4 slope factor = 7.6 af

Pond 3: 0.3 acre x 10' depth x 0.4 slope factor = 1.2 af

Pond 4: 0.8 acre x 10' depth x 0.4 slope factor = 3.2 af

Total pond volume = 21.6 af

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Aesthetic Storage	1/1	12/31		21.6
Totals:				21.6 afa

2. Recommended Amendments

- ☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☐ None
☐ Change P.U. as reflected on page 1 ☒ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATION

Field Examiner's Signature Marc S. Pape Date 7/28/11

Reviewer _____ Date _____

