

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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JUN 13 2003

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 82-07202

1. Owner: Thomas M. Schmidt

Phone No. (208) 983-9343

Current Address: PO Box 462
Elk City, ID 83525-0462

2. Accompanied by: Permit Holder

EXAM DATE: August 6, 2001

Address: See Above

Phone No. See Above

Relationship to Permit Holder: Permit Holder

3. Source: Unnamed Streams (2)
Spring

tributary to: Big Elk Creek
tributary to: Big Elk Creek

B. OVERLAP REVIEW

- Other water rights with the same place of use: NONE
- 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	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SE	SE	SE	9	29N	08E	Idaho	7 1/2 min. topographical map

2. Place(s) of Use:

Indicate Method of Determination: 7 1/2 min. topographical map

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
29N	08E	9															*		

* Wildlife, Wildlife Storage, Diversion to Storage

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4.

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

*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
NA	NA	NA	NA	NA	NA	NA

2. Measurements:

Because there was no flow either from the springs nor from the spillway on the day of the exam, flow measurements were not made (See narrative).

E. NARRATIVE/REMARKS/COMMENTS

The pond is fed by two (2) unnamed seasonal streams, originating from two (2) separate springs located a few hundred feet in a northerly direction from the pond, and a seasonal spring in the bottom of the pond. Mr. Schmidt, the permit holder, stated that the pond was originally constructed in a marshy area that he believed to be that spring.

The springs were not flowing on the day of the exam (August 7, 2001). Neither was the spillway to the pond. The spillway (*Photo 4*) is located at the SW end of the pond and has a GPS location of N 45°51' 32.1" by W115°27' 54.2" (GPS unit, Garmin, Model GP-12, serial #36061391). The pond water level was about a foot below the spillway on the day of the exam.

The pond is an elongated figure-eight shape and was created by the construction of a dam along the lower edge. The dam is about six (6) feet high.

F. FLOW CALCULATIONS

Measured Method:

There was no flow at the time of the exam (August 7, 2001).

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

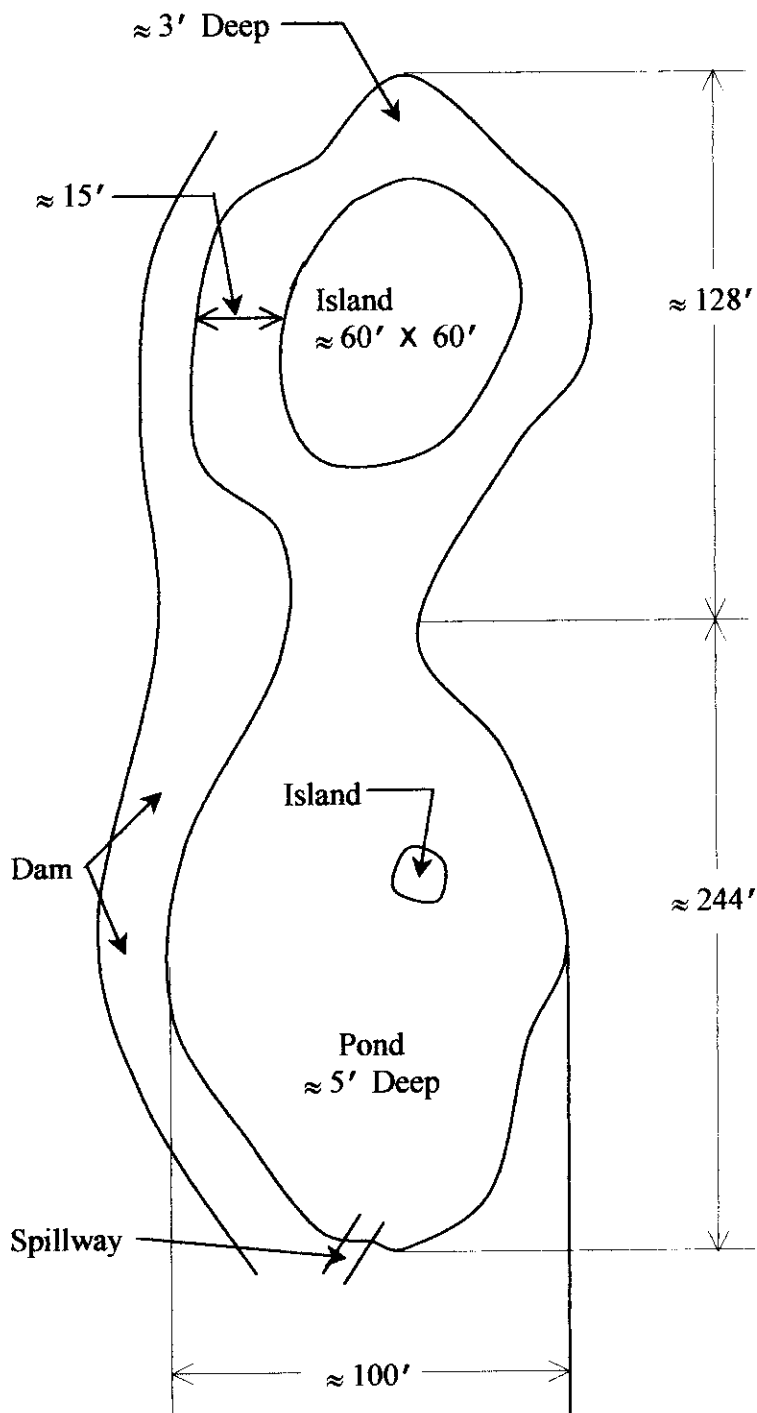
$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

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

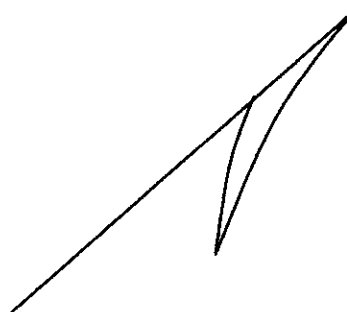
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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Spring ≈ 300'
From Pond



≈ N



Spring ≈ 400'
From Pond

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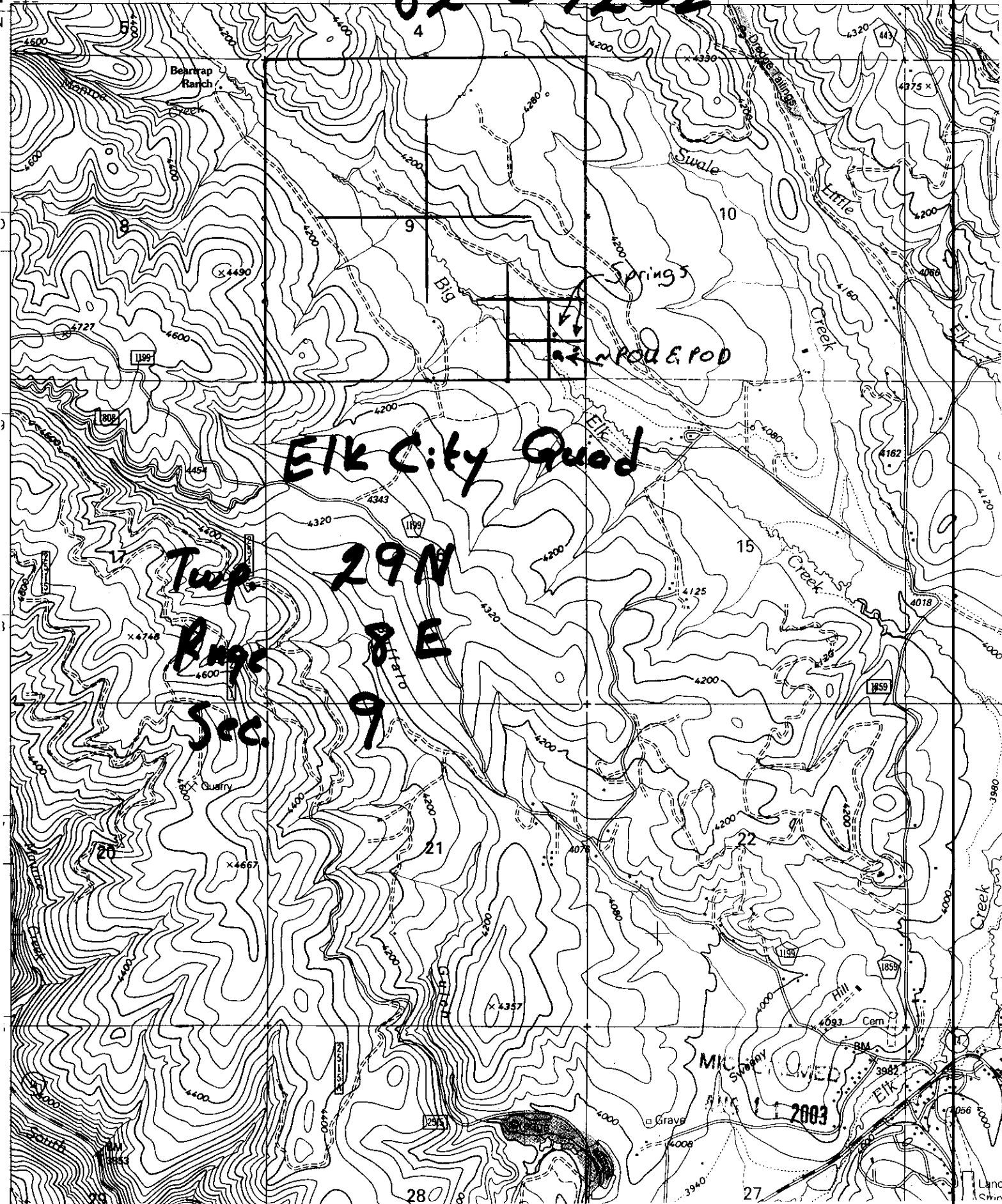
Scale: 1" = NOT TO SCALE.

Yes Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

No Aerial Photo Attached
(required for irrigation of 10+ acres)

Yes Photo of Diversion and System Attached

5° 30' 617000 m E 618 82-07202 620 621



82-07202



Photo 1. Overview of Pond (POD & POU).



Photo 2. Showing Upper End of Pond.

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Photo 3. Lower End of Pond.



Photo 4. Spillway.

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2. Volume Calculations for Other Uses:

Wildlife, Wildlife Storage, Diversion to Storage:

Northwest portion of pond:

$$(128 - 15)\pi = \text{length around island} \approx 355'$$

$$\frac{(355)(15)(0.4)}{43560} \approx \underline{0.048898 \text{ AF}}$$

Southeast portion of pond:

$$\frac{(0.4)(244)(100)\pi}{43560} \approx \underline{0.72044 \text{ AF}}$$

Total:

$$0.048898 + 0.72044 \approx 0.769338 \approx \underline{0.8 \text{ AF}}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Wildlife	1/1	12/31		0.8
Wildlife Storage	1/1	12/31		0.8
Diversion to Storage	1/1	12/31		0.8
Totals:				0.8

2. Recommended Amendments

Change P.D. as reflected above
Change P.U. as reflected above

Add P.D. as reflected above
Add P.U. as reflected above

☒ None
Other

I. AUTHENTICATION

Field Examiner's Name: Jim Zimmerman

Date: August 15, 2001

Signature



Permit No: 82-07202

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