

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 06 2011

DEPARTMENT OF
WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 22-13425

1. Owner Huntsman Springs Inc. Phone No. (208) 354-9660
Current address 501 Huntsman Springs Drive, Driggs, ID 83422
2. Examiner's name Keith C Wilson, Rocky Mountain Environmental, Inc. EXAM DATE July 26, 2011
3. Accompanied by Young Harvey Walker Email _____
Address 2338 N 2930 W, Arco, ID 83213
Relationship to permit holder Representative Phone No. (208) 520-7880/527-3254
4. Source Spring tributary to Sinks

B. OVERLAP REVIEW

1. Other water rights with the same place of use None
2. Other water rights with the same source and point of diversion None

C. DIVERSION AND DELIVERY SYSTEM Monson Pond

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SW	NE	27	5N	45E	Teton	On site / IDWR Aerial Photos
									aka Monson Pond
			SE	NW	27	5N	45E	Teton	On site / IDWR Aerial Photos
									UTM Zone 12, 489441, 4842167

2. Place(s) of Use: Method of determination On site, IDWR Aerial Photos

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	45E	27			w/r/s				w/r/s										

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:** _____

No measurement taken for stockwater: 100 range (beef) cattle at 0.02 cfs is a de minimus quantity of water.

NOTE: (12 gal/day/head)x(100 head) = 1200 gallons/day

E. NARRATIVE/REMARKS/COMMENTS

Place of Use also known as Monson (Brood) Pond. It appears that there may be a spring in the edge of the pond (i.e. within the pond footprint) located in what appears to be within the NESENW Section 27, T05N, R45E (GPS Coordinates: Zone12 - 489441, 4842167). The pond is located in a marshy area with numerous seeps and springs though out the area. Due to the the nature of the marshy area there is the strong likelihood that springs/seeps are within the footprint of the pond that would be hidden from view and could not be readily identified as points of diversion. The water in the pond was clear supporting the assumption that water was seeping/flowing into and flowing through the pond. Both the SWNE and the SENW Sec 27, T05N, R45E, should be listed as the Point(s) of Diversion & Place(s) of Use. Recommended that the source of water be listed as Springs tributary to Sinks.

Recommend Stockwater as a beneficial use even though no stock observed at time of exam. The area is fenced and stock would have access to the pond.

Stock water for 100 range (beef) cattle at 0.02 cfs is a de minimus quantity of water.

NOTE: Stockwater @ 12 gallons/day/head of cattle (range/beef) = 1200 gal/day

$[(12 \text{ gal/day/head}) \times (100 \text{ head}) = 1200 \text{ gal/day}]$

The name of the pond was changed from Brood Pond to Monson Pond.

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:

No on site measurements were taken. The maximum depth and surface area of pond provided by permit holder:

Monson Pond Surface Acre = 2.32 acres; Maximum Depth = 12 feet

100 head beef cattle @ 12 gal/day/head = 1200 gallons/day = a de minimus quantity of water

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:

Monson Pond Volume = (2.32 ac)(12 ft)(0.4) = 11.13 acre-feet = 11.1 ac-ft for Wildlife & Recreation Storage

H. RECOMMENDATIONS Monson Pond**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Wildlife Storage	01/01	12/01		11.1 afa
Recreation Storage	01/01	12/31		11.1 afa
Stockwater	08/01	11/01	0.02 cfs	
Totals:			0.02 cfs	11.1 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**

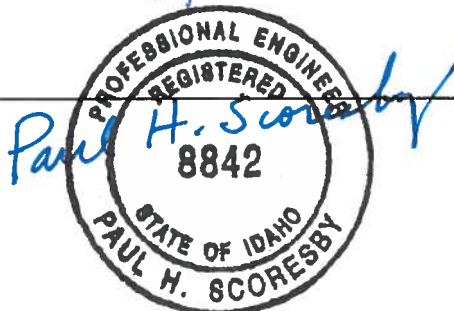
Field Examiner's Signature

Keith C. Wilson

Date

8/24/11

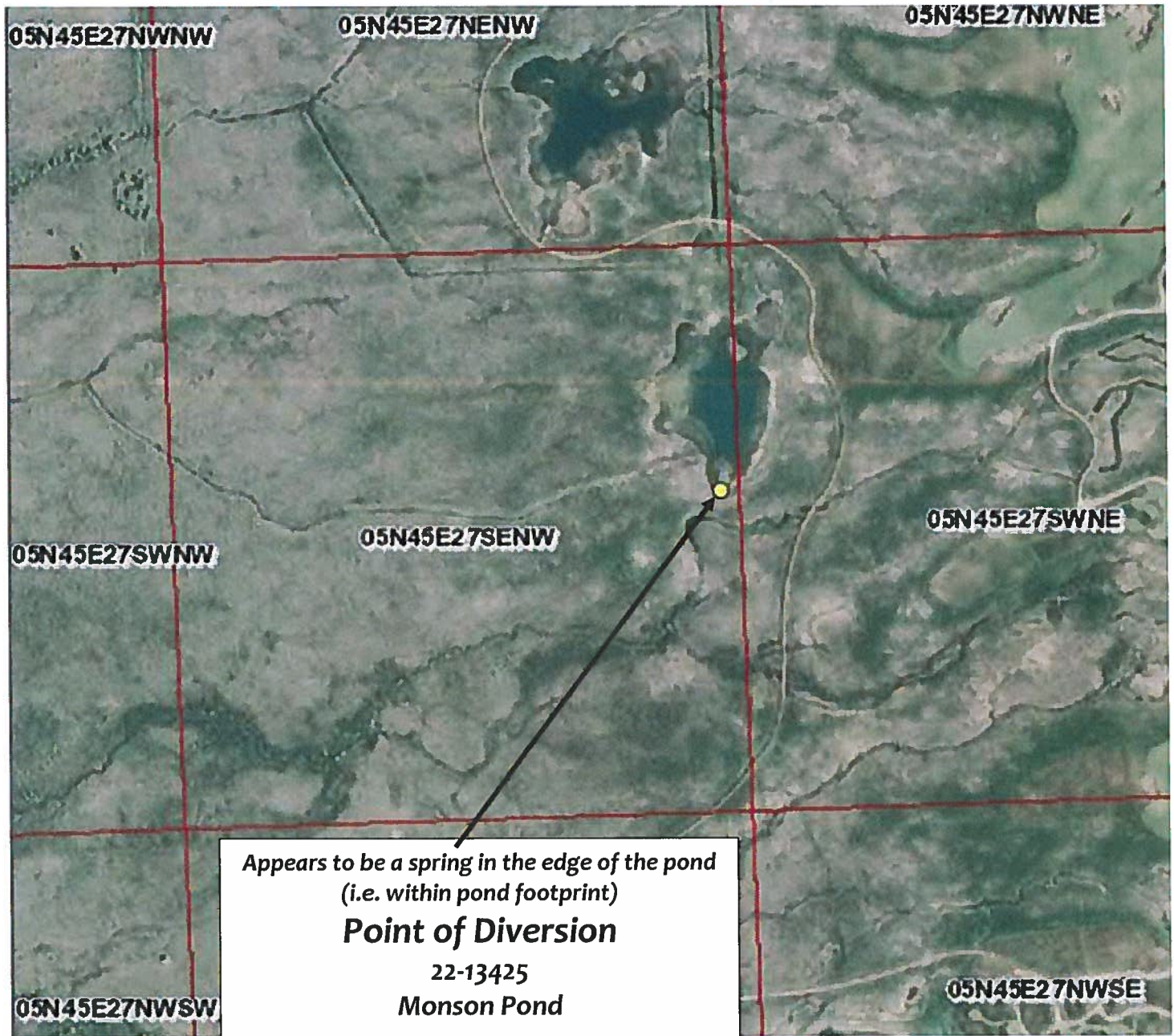
Reviewer



Date

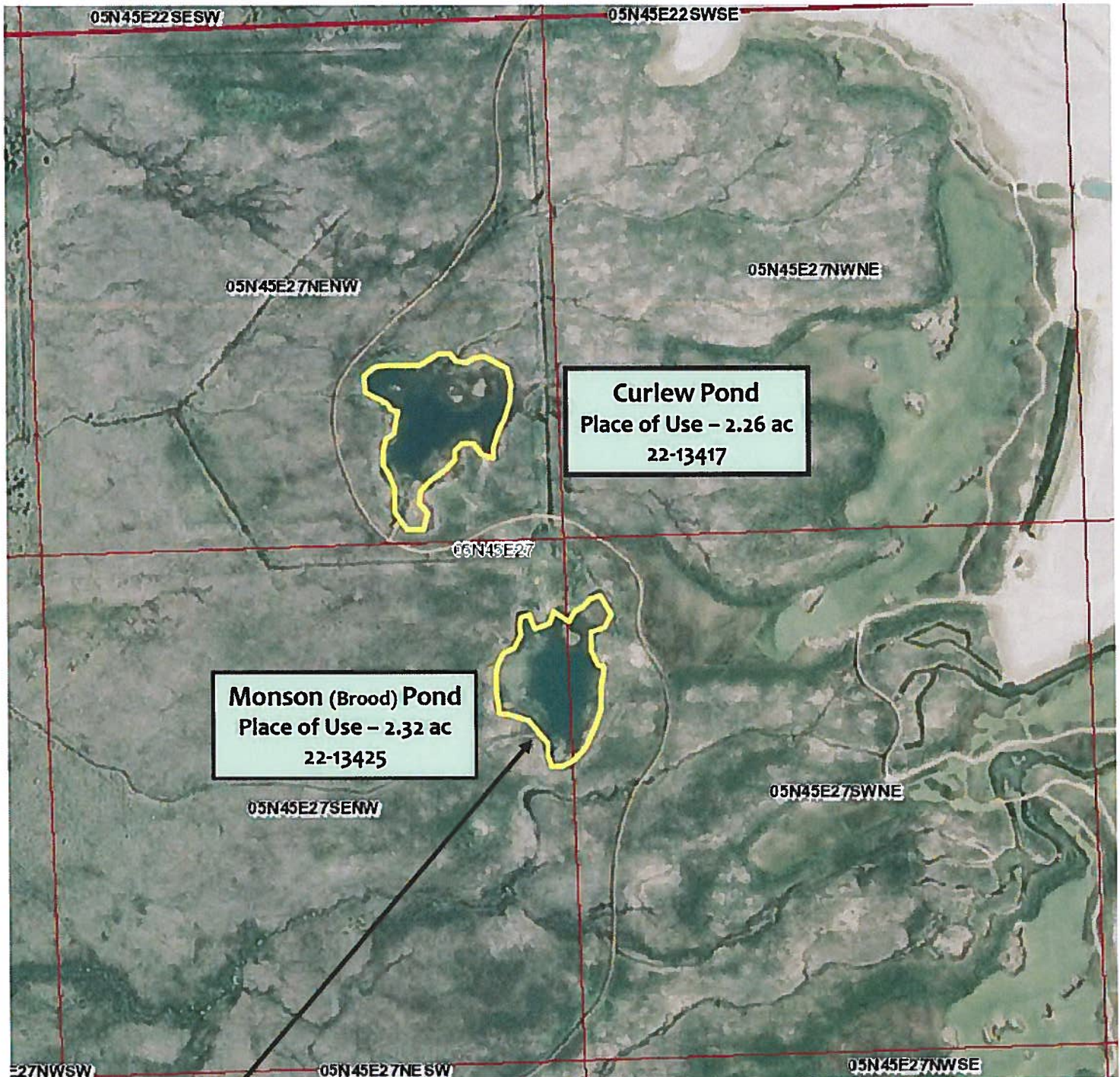
8-23-11

SEAL



Location: UTM Zone 12, 489441, 4842176; Location is within the pond footprint

Note: Consider entire pond as points of diversion.

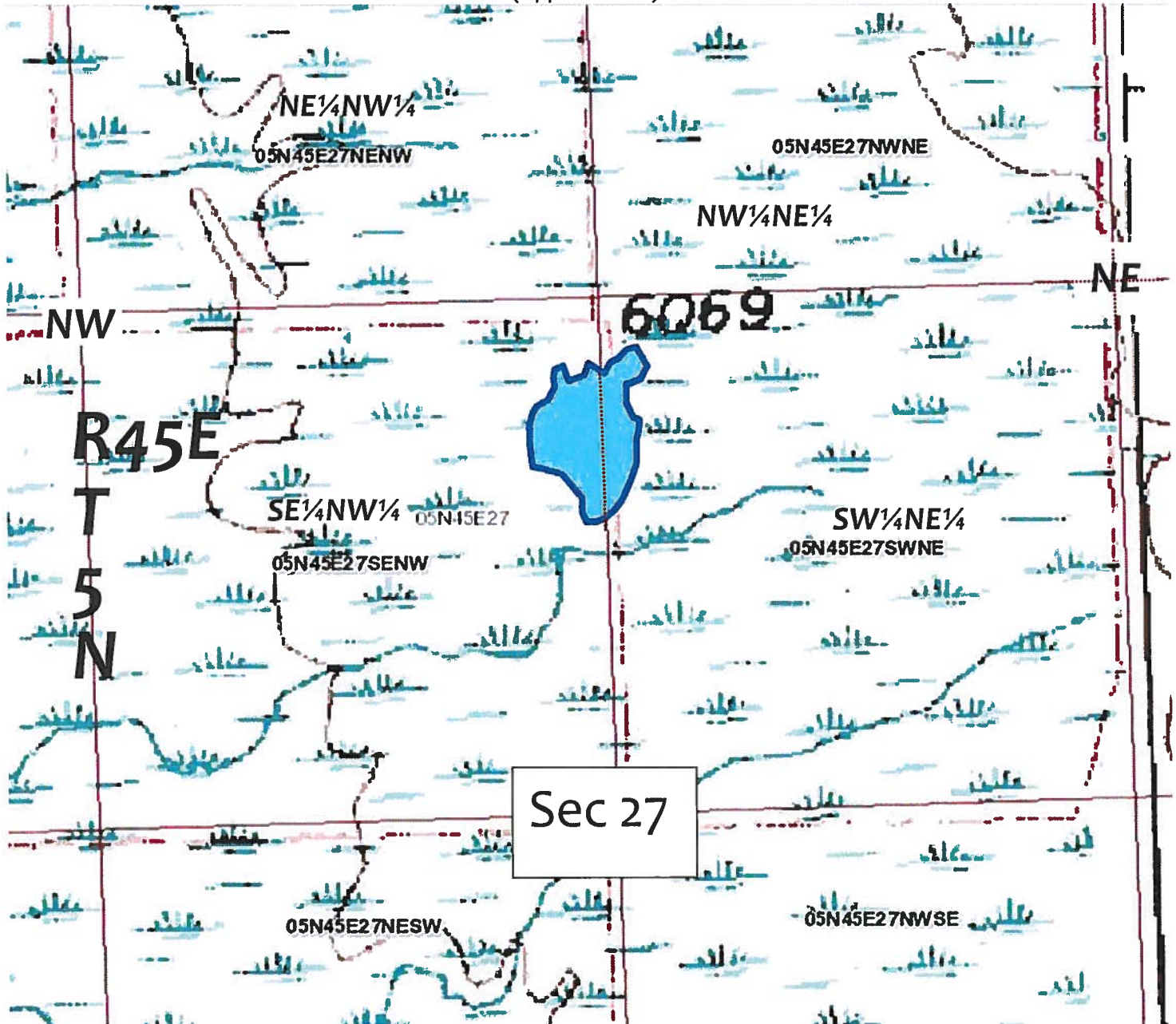


Monson (Brood) Pond Volume = (Surface acre)x(Max.Depth)x(0.4) = 11.1 ac-ft

Volume Check = = (2.32 ac)(12)(0.4) = 11.136 ac-ft = 11.1 ac-ft

NOTE: Pond outline is a generalization of the shape of the actual pond foot print of 2.32 acres.

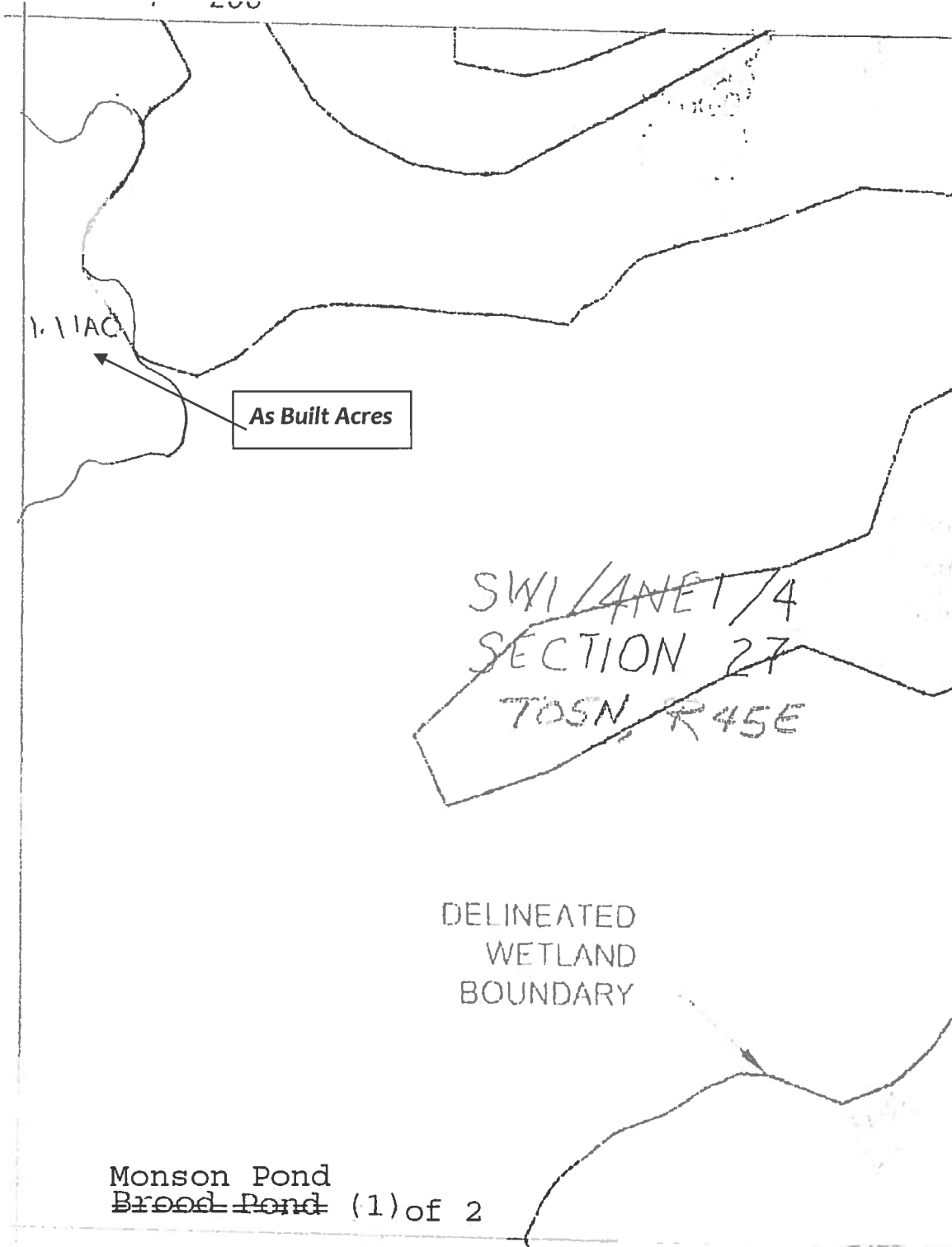
Monson (Brood) Pond Location – USGS Map
(Approximate)



NOTE: Pond outline is a generalization of the shape of the actual pond foot print of 2.32 acres.

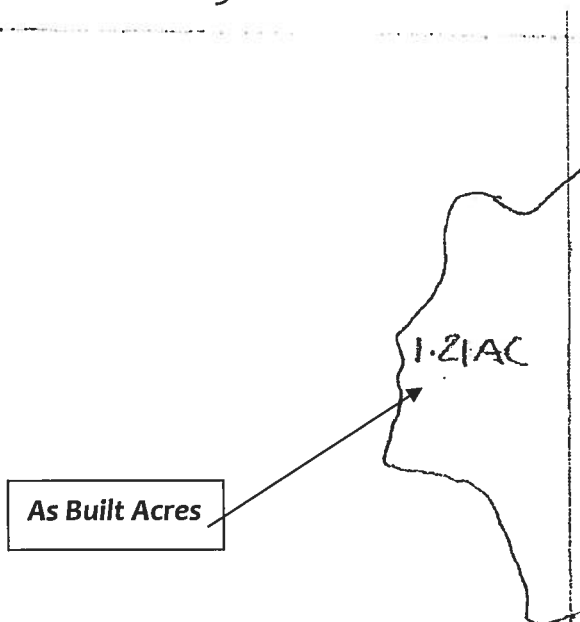
Rendezvous Engineering – Surface Survey Acres

Total Pond Surface area = 1.11 ac + 1.21 ac = 2.32 ac



Rendezvous Engineering – Surface Survey Acres

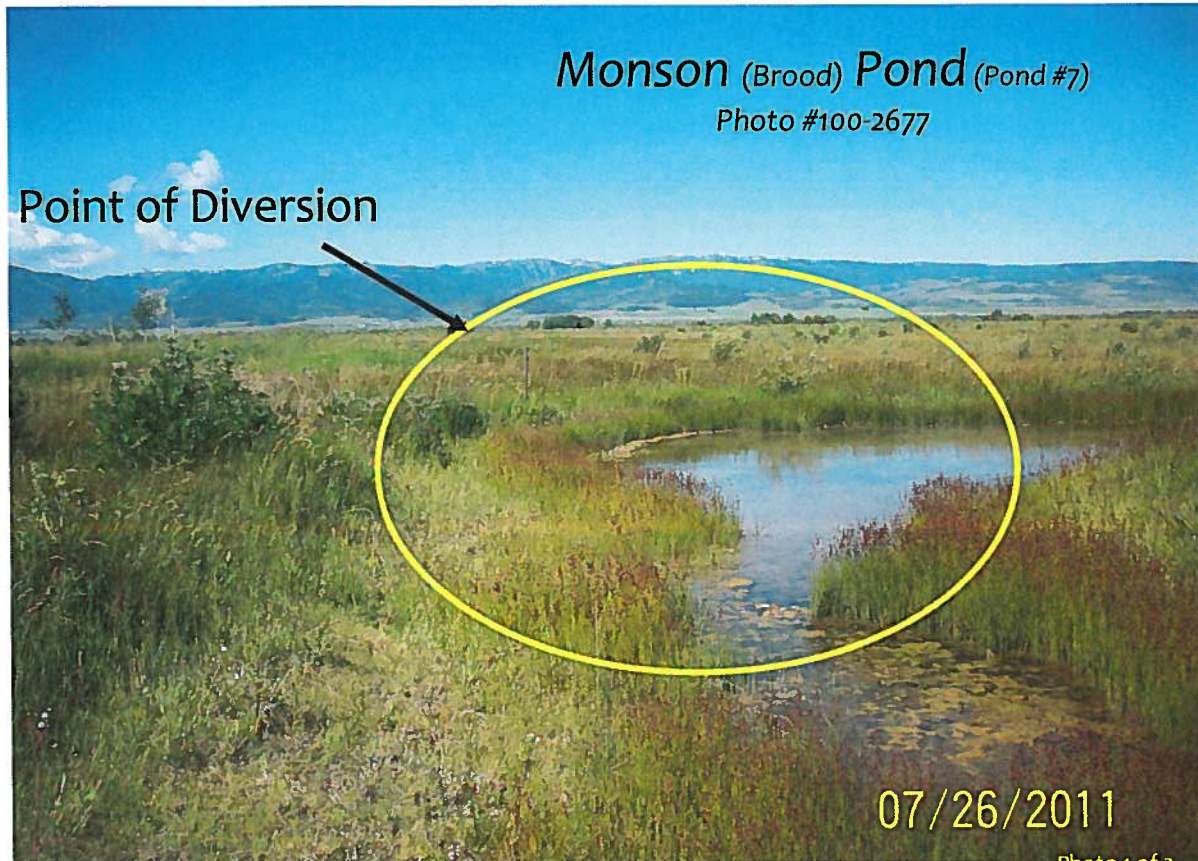
Total Pond Surface area = 1.11 ac + 1.21 ac = 2.32 ac



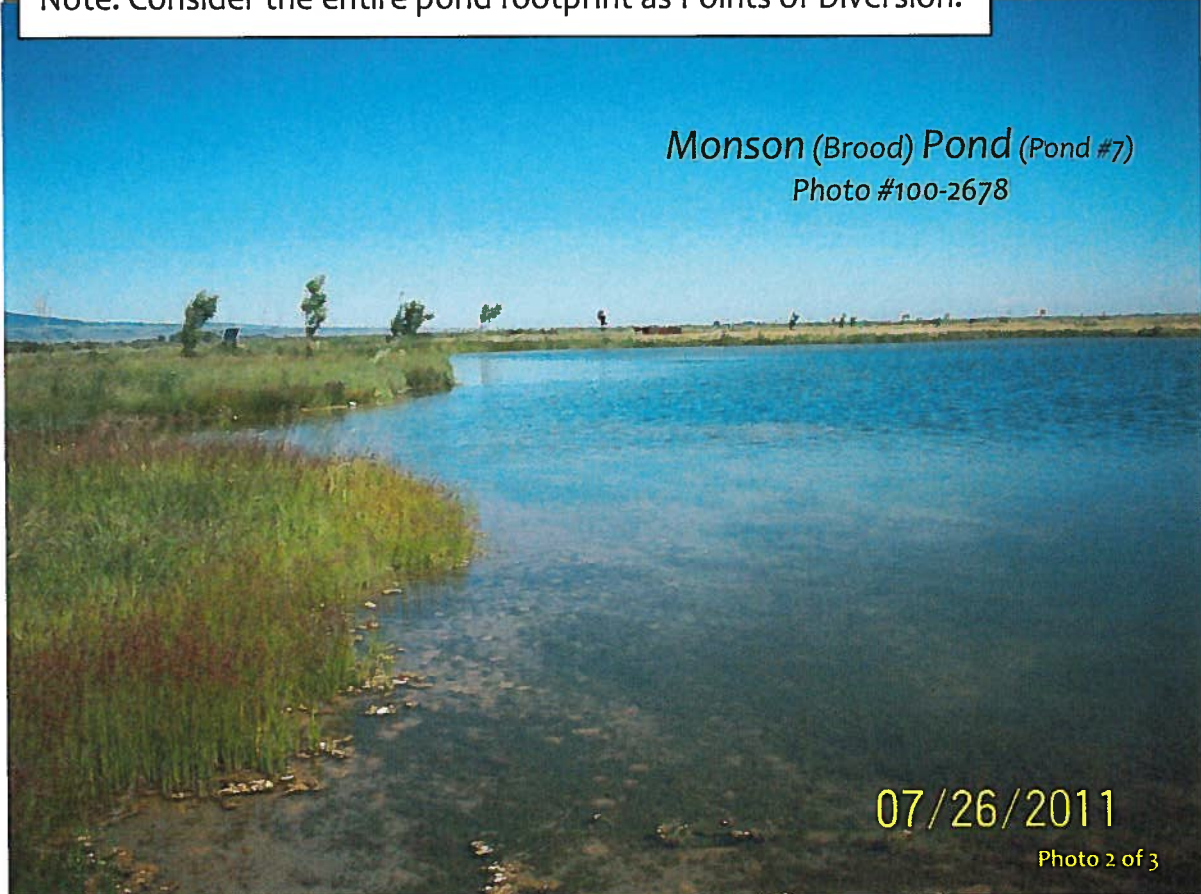
SE $\frac{1}{4}$ NW $\frac{1}{4}$
SECTION 27
T05N, R45E

Monson Pond

~~Brood Pond~~ (2) of 2



Note: Consider the entire pond footprint as Points of Diversion.





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