

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8827

Exam Date: 8/7/2012

1. Current Owner: ROBERT P DREYER
PO BOX 4917
KETCHUM ID 83340
(208) 726-2874
2. Accompanied by: Robert Dreyer
Phone No: (208)726-2874
Address: PO Box 4917, Ketchum, ID 83340
Relationship to Permit Holder: self

3. SOURCE
SPRING

TRIBUTARY
BIG WOOD RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-8876 and 37-8827 overlap with Ponds #1 and Ponds #2 only.
2. Other water rights with the same point of diversion: 37-8876 and 37-8827 share the same POD (2 Hp pump) located on the northwest side of Pond #2.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

SPRING NE1/4SW1/4NE1/4 Sec. 10, Twp 04N, Rge 18E, B.M. BLAINE County

Method of Determination: Garmin GPS Map76S, and ArcMap esri & 2009 – 2013 imagery

2.

PLACE OF USE: FIRE PROTECTION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N 18E 10			X														

Method of Determination: Garmin GPS Map76S, and ArcMap esri & 2009 – 2013 imagery

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

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
----------------------------------	-------------------	-----------	-------------------------	------------------	--

No ID Tag (I ran out of tags during my multiple days out in the field conducting field exams)

Unknown	2Hp	Unknown	Unknown (sump pump)	2 inch to schedule 40 pipe
---------	-----	---------	---------------------	----------------------------

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
None						

2. Measurements:

N/A.

E. FLOW CALCULATIONS

Measured Method:

N/A.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

2. Volume Calculations for Other Uses: (Fire Protection Storage)

Pond #1 and Pond #2 = 0.1 acre total size X 2 ft average depth = 0.2 af

RECOMMEND:

Fire Protection Storage: 0.2 af

G. NARRATIVE/REMARKS/COMMENTS

The POD for both water rights 37-8827 and 37-8876 is a 2Hp pump located in a pit on the northwest end of Pond #2 (unknown make/model/serial #, with a 2 inch discharge, schedule 40 pipe to 1 inch hoses and bubblers to the small areas on the south side of the road; 1 inch hoses with misc nozzles to the proposed house area on the north side of the road surrounding Pond #1, and a buried line to supply water to a 3/4 - 1 inch drip system for pine trees located on the ledge above Pond #1 (40 ft lift from the pump). The spring source is located somewhere within Pond #2. Water is pumped from the POD up to a waterfall that open discharges into Pond #1 (average depth 2 ft; maximum depth 4 ft), with an overflow on the south end that runs through an open rock ditch down the hillside, then into a buried pipe where it is piped and open discharged back into Pond #2 (average depth 2 ft; maximum depth 4 ft). On the southwest corner of Pond #2 is a rock overflow, where water continued down the dirt ditch to Parker Gulch. Use for water right 37-8876 is for Aesthetic and Domestic Storage (the ponds and waterfall), Domestic external use only for irrigation of less than 1/2 acre total via bubblers, drip system for the pine trees on the ledge, and landscaping and grounds surrounding Pond #1. Water right 37-8827 is for Fire Protection Storage with the POU being the same Pond #1 and Pond #2. The lockable device condition is achieved by either locking the electrically meter, or by locking the lid on the pit. There was no way to measure the actual flow of the spring, since it is located somewhere within Pond #2, and the pump is basically a recirculating pump, pumping water to Pond #1, it flowing back into Pond #2, and then repeating itself. There was a physical overflow from Pond #2, but it could not be measured due to the rocky overflow and excessive grassy ditch leading to Parker Gulch. At the time of the field examination, no ID Tag was attached to the pump, due to the fact that I had run out of tags over the period of days being out in the field conducting exams.

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

Additional Information: On the approved permit, the proof of beneficial use was due by 10/1/1995. An extension was filed allowing Mr. Dreyer to submit proof on or before 10/1 1996 to submit proof. Due to a department data error, the "extension date" was entered where the "proof received date" was suppose to go in AdHoc. For this reason, Mr. Dreyer never received any notification that the proof was due. The department determined that Mr. Dreyer should not be penalized for the department error. At the time of the beneficial use field examination for 37-8878, Mr. Dreyer was given a copy of the proof of beneficial use form, of which he completed and submitted to the department on 8/10/2012 (see 8/13/2012 memo attached).

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
FIRE PROTECTION STORAGE	01/01 to 12/31		0.20 AF

Totals:

0.20 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

*The POD is the same POD/pump as water right 37-8876, which is located in the NESWNE, not the NWSWNE.

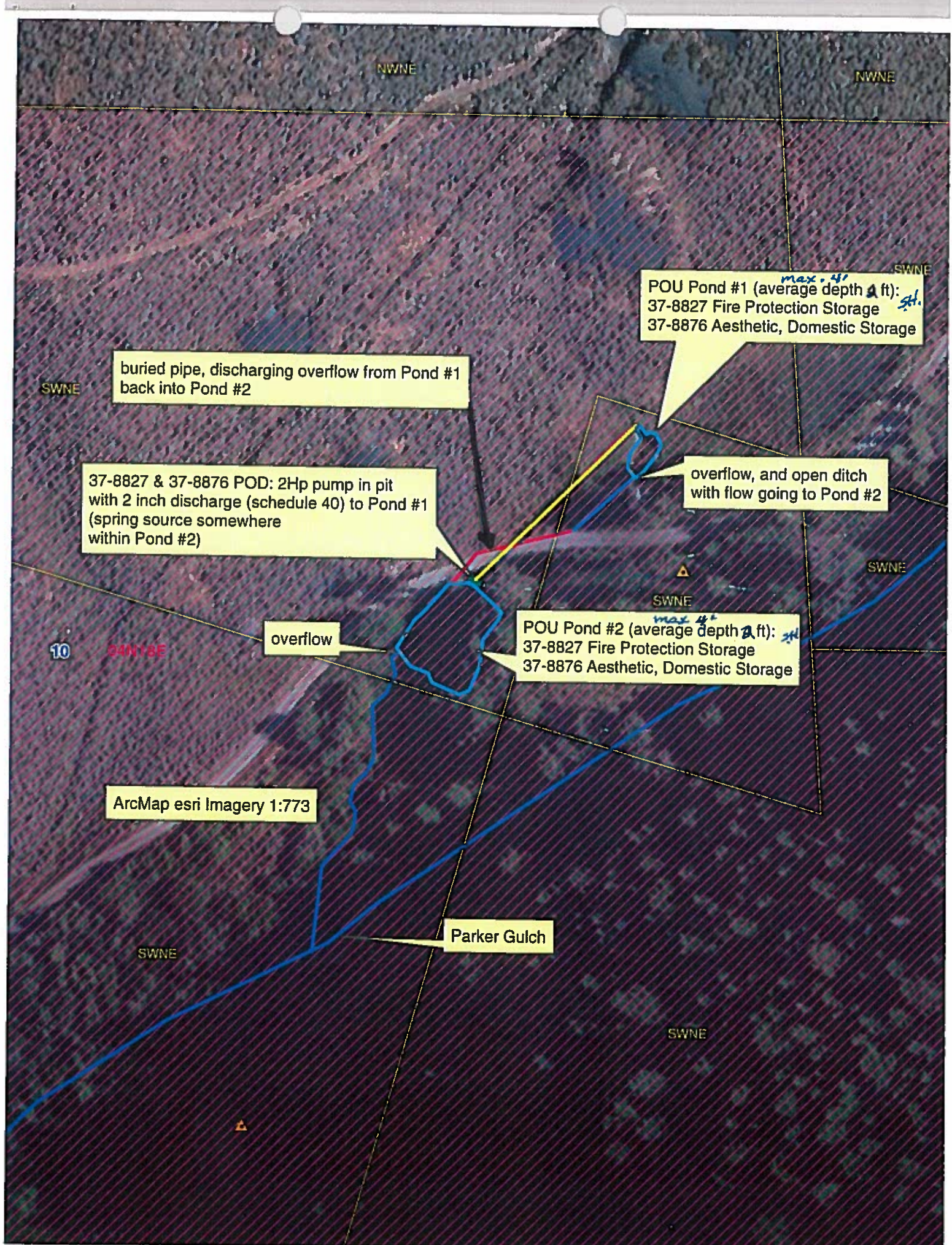
I. AUTHENTICATION

Field Examiner's Name

Sandy Hemmaway

Date

3/13/2014



NWNE

NWNE

SWNE

POU Pond #1 (average depth ^{max 4'} 4 ft):
37-8827 Fire Protection Storage
37-8876 Aesthetic, Domestic Storage

buried pipe, discharging overflow from Pond #1
back into Pond #2

SWNE

37-8827 & 37-8876 POD: 2Hp pump in pit
with 2 inch discharge (schedule 40) to Pond #1
(spring source somewhere
within Pond #2)

overflow, and open ditch
with flow going to Pond #2

10

37-8827 & 37-8876

overflow

POU Pond #2 (average depth ^{max 4'} 4 ft):
37-8827 Fire Protection Storage
37-8876 Aesthetic, Domestic Storage

SWNE

SWNE

ArcMap esri Imagery 1:773

Parker Gulch

SWNE

SWNE

37-8827 & 37-8876

ArcMap esri Imagery 1:968

NWNE 12

NWNE

NWNE

37-8876 POU: Domestic
Pine trees drip irrigation
3/4 - 1 inch drip system

37-8876 POU: Domestic
external use only; location for future home
irrigated with 1 inch hoses and misc nozzles

Pond #1 (37-8827 and 37-8876)

POD: 37-8827 and 37-8876

37-8876 POU: Domestic
external use only (bubbler irrigation)

Pond #2 (37-8827 and 37-8876)

SWNE

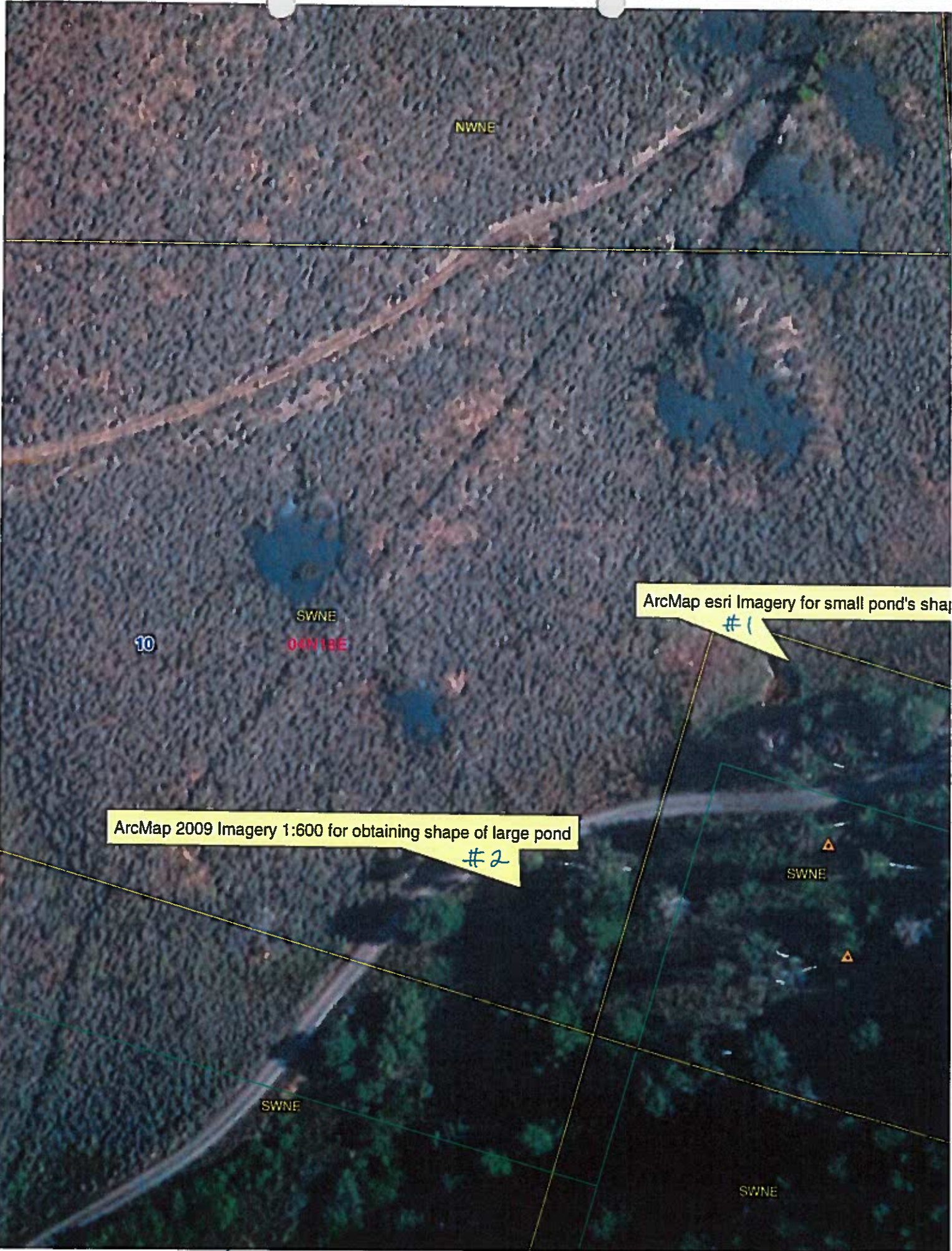
SWNE

SWNE

SWNE

SWNE

64N15E
10
SWNE



NWNE

10

SWNE
04N13E

ArcMap esri Imagery for small pond's shape

#1

ArcMap 2009 Imagery 1:600 for obtaining shape of large pond

#2

SWNE

SWNE

SWNE



NWNE

SWNE

04N18E

10

ArcMap esri Imagery for small pond's sha
#1

ArcMap 2009 Imagery 1:600 for obtaining shape of large pond
#2

SWNE

SWNE

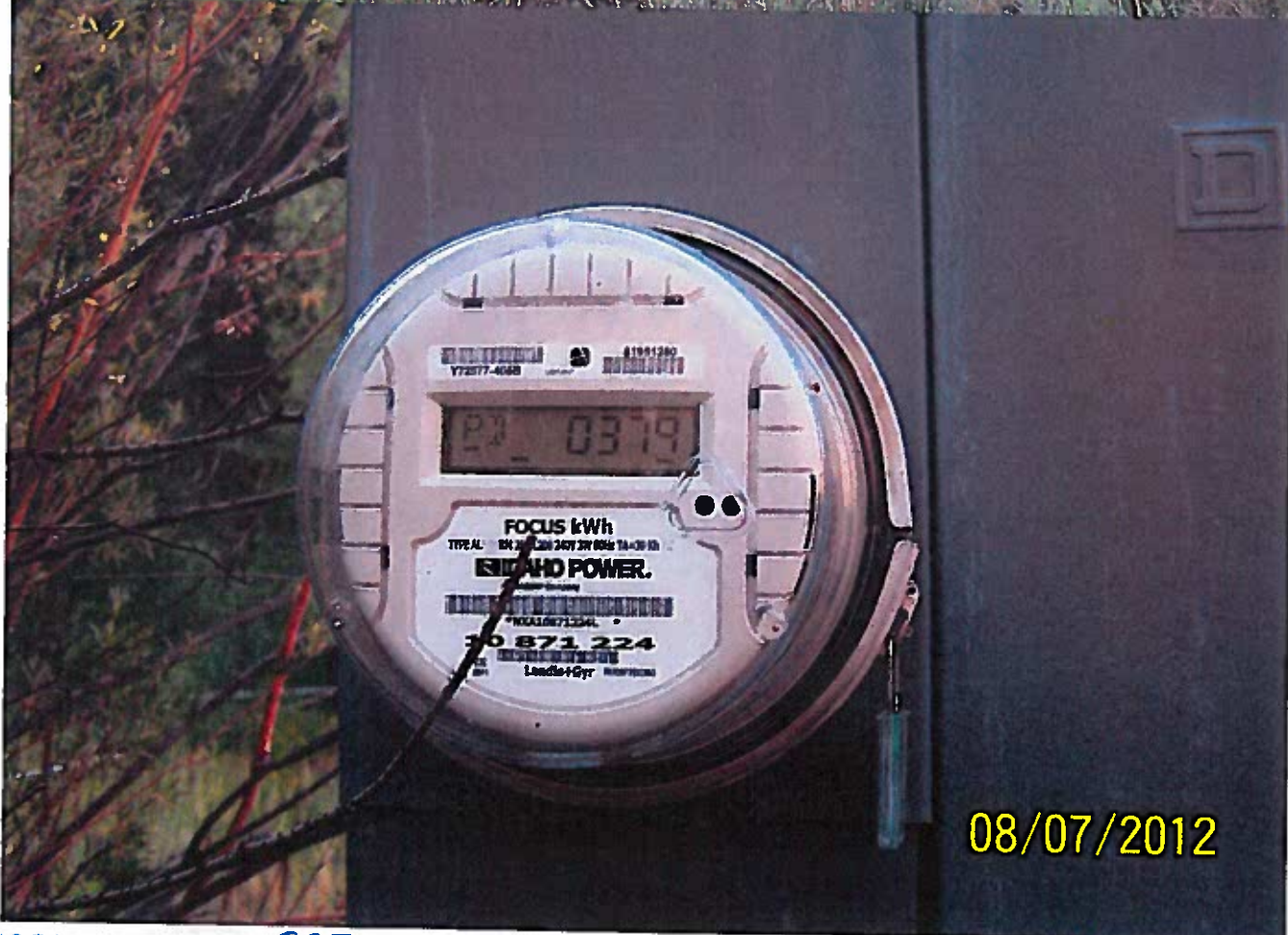
SWNE

Pou
Domestic
NE of
pond
(external
only)
bubbless
+
1" hose
with
wide
nozzle



08/07/2012

Power
meter
for
pump



08/07/2012

1" hose
to
domestic
external
use

08/07/2012

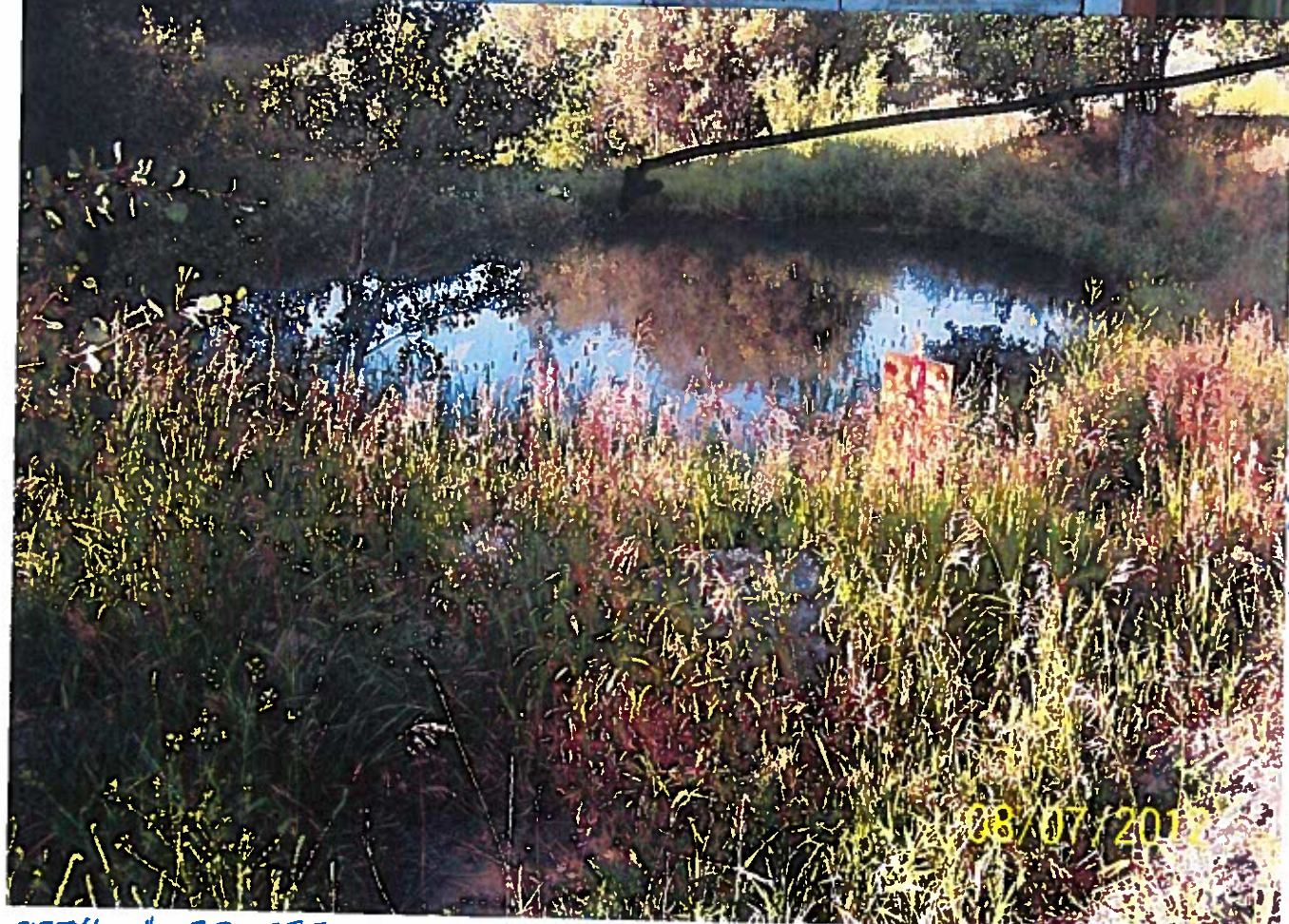
POD
2 Hp
2"
dia ch
to
1" hose
40' lift
to
trees
with
3/4"-1
drip
system
(north
side of
road)
1" hose
to
domestic
flat
area
by pond

08/07/2012



Map
posts
on
property

08/07/2012



overflow

Pond#

Pou

Aesthetic
Domestic
Storage
Fire
Protection
Storage

average
depth
2k'
maximum
4'

08/07/2012



overflow
that
goes
to
Parker
Gulch

08/07/2012



from
overflow
winding
creek
that
flows
south
west
to
Parker
Gulch

08/07/2012

Pou

water
fall
at
Pond #1
average
depth
2' max. 4'
aesthetic
Domestic
storage
+ fire
protectio
storage

08/07/2012

Pou

trees
above
Pond #1
that are
watered
thru
3/4"-1"
drip
system

Dom.
external

08/07/2012

POU:
Dom
external
40' lift

08/07/2012

POU:
Dom.
external
on
north
side
road
1" hose
+ mic
nozzles
Pond
#1

08/07/2012



37-8876 + 37-8827

S. Hemerway

Overflow from pond #1
that goes back to pond #2
(recirculates)

this is not a permanent home, no
inside plumbing



standing at the area where
house is suppose to be

photos looking SW'ly



Outlet



PondSize=55'x50'x3'

MICROFILMED
SEP 21 1998

16004RS.
13 MAY 1998
Bob Dreyer

MEMORANDUM

Date: August 13, 2012
To: Water Right File 37-8827
From: shemenway
Re: Data Entry Error

There was a data entry error indicating that the Beneficial Use proof had been received on 12/6/1995, when really it was the Request for Extension of Time that was received on 12/6/1995. This error was not caught until field exam preparation for water right 37-8876 was being conducted. Due to it being the departments fault, and no follow up letter being sent to Mr. Dreyer reminding him to submit proof, it was determined that Mr. Dreyer could still submit proof to the department with the appropriate fee, and it would be accepted if all work had been completed when the field exam was being conducted for 37-8876. For this reason, the late proof of beneficial use, with no penalty to Mr. Dreyer.