

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20441 and

37-21176 = 37-21176

Exam Date: 6/26/2012

1. Current Owner: REDCLIFF PARTNERS LP
A CALIFORNIA LTD PARTNERSHIP
567 SAN NICOLAS DR STE 340
NEWPORT BEACH CA 92660
(949) 718-6200
- DFT PROPERTIES
RANNEY E DRAPER & MARK P DRAPER, TRUSTEES
567 SAN NICOLAS DR, SUITE 340
NEWPORT BEACH CA 92660
(949) 718-6200

2. Accompanied by: Ranny Draper
Phone No: same as above
Address: same as above
Relationship to Permit Holder: current owner
Email: rdraper@scinv.com

Representative/Attorney: James Speck, PO Box 987, Ketchum, ID 83340 (323)956-5060; (208)788-4421
Email: jim@speckandaanestad.com

3. **SOURCE** **TRIBUTARY**
BIG WOOD RIVER MALAD RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-20441 and 37-21176
2. Other water rights with the same point of diversion: 37-8278 (decreed as 37-4265), 37-8535, 37-8611, 37-20440 (which is for mitigation), 37-20441 and 37-21176.

C. DIVERSION AND DELIVERY SYSTEM FOR BOTH 37-20441 and 37-21176 (same POD and POU for both)

1. LOCATION OF POINT(S) OF DIVERSION:

BIG WOOD RIVER SE1/4NE1/4 Sec. 30, Twp 04N, Rge 18E, B.M. BLAINE County

Method of Determination: Garmin GPS Map 76S, ArcMap 2011, 2013 and esri imagery, and location used by other water rights that share this POD.

2.

PLACE OF USE: RECREATION, AESTHETIC and WILDLIFE

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	32						X											

Method of Determination: Garmin GPS Map 76S, ArcMap 2011, 2013 and esri 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.

Well or Diversion

ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
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For both water rights 37-20441 and 37-21176, the POD is the Comstock Ditch headgate out of the Big Wood River consists of a 3 ft diameter CMP. From this is a buried culvert that goes to a concrete 73 inch X 16 inch headgate that discharges into the Comstock Ditch and gravity flows to the south through the ditch

*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
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Weir at the POD: 73 inches by 16 inches = 69.23 cfs

2. Measurements:

At the Comstock Ditch, the 73 inch (6.08 ft) by 16 inch (1.3 ft) weir = 69.23 cfs

At the Control Box/Re-diversion Box, there are 2 directions that water can flow at the same time or one or the other by controlling the discharge:

- (1) There is a 1.5 ft culvert for the return of 37-8535 back to the Big Wood River = 8.83 cfs maximum capacity
- (2) 20 inch culvert that discharges to Pond #1 = 10.9 cfs maximum capacity
- (3) Flow from Pond #1, travels through an open ditch, discharges into Pond #2, the overflow is piped to a weir: 49 inch (4.08 ft) by 3 inch (0.25 ft) weir = 6.50 cfs (physical measurement at time of field examination) which is for the return of 37-20441 and 37-21176 back to the Big Wood River.

The entire or partial flow from the "return of 37-8535" can be redirected down to 37-20441 and 37-21176, which would fill the 20 inch culvert going south to Pond #1 and Pond #2, and still have some available to be discharged through the "return of 37-8535." At the time of the field examination, both returns came to a total of 15.33 cfs being discharged back to the Big Wood River. **The purpose of water right 37-21176 is to divert the rest of the water from 37-8535 through the same system as 37-20441. No additional losses of water, so mitigation provided by 37-20440 for 37-20441 will be sufficient to mitigate all system losses.**

RECOMMEND:

37-20441

Recreation	1/1 – 12/31	5.0 cfs
Aesthetic	1/1 – 12/31	5.0 cfs
Wildlife	1/1 – 12/31	5.0 cfs
Total Diversion Rate:		5.0 cfs

37-21176

Recreation	1/1 – 12/31	5.0 cfs
Aesthetic	1/1 – 12/31	5.0 cfs
Wildlife	1/1 – 12/31	5.0 cfs
Total Diversion Rate:		5.0 cfs

Combined Limit for 37-4265, 37-8535, 37-20441 and 37-21176 not to exceed a total diversion rate of 10.0 cfs.

E. FLOW CALCULATIONS

Measured Method:

_____ Additional Computation Sheets Attached

None

F. VOLUME CALCULATIONS

1. Volume Calculations for Ponds (these are off-stream ponds with flow-thru systems, that continue to return back to the Big Wood River; non-consumptive use; no storage component was on the permit):

37-20441 and 37-21176:

Pond #1: 0.1 acre X 3 ft average depth = 0.3 af

Pond #2: 0.5 acre X 5 ft average depth = 2.5 af

37-20441:

5.0 af X 365 days X 1.9835 = 3619.9 af

37-21176:

5.0 X 365 days X 1.9835 = 3619.9 af

2. Volume Calculations for Other Uses:

None.

G. NARRATIVE/REMARKS/COMMENTS

For both water rights **37-20441** and **37-21176**, the POD is the Comstock Ditch headgate out of the Big Wood River consists of a 3 ft diameter CMP. From this is a buried culvert that goes to a concrete 73 inch X 16 inch headgate that discharges into the Comstock Ditch and gravity flows to the south through the ditch to a concrete control/re-diversion point (as it is called by Mr. Ranney) where water can be diverted through a 20 inch buried pipe (going south) and discharges to Pond #1 (the Bio-filter water treatment wetland with an average depth of 3 ft, and maximum depth of 6 ft), then continuing south through an open ditch, thru a culvert under the driveway and continuing southeast to Pond #2. At Pond #2 (average depth of 5 ft) there is an overflow on the northeast side of the pond with a control box and measuring device, where a buried pipeline goes north and open discharges into an open ditch with a weir (measuring 49 inch X 3 inches), which then continues to flow to the east and discharges to the Big Wood River (the return location for both 37-20441 and 37-21176). The open ditch between Pond #1 and Pond #2 is 42 inches wide and averages 7 inches deep. At the concrete control/re-diversion point, the water can go two directions: to Pond #1, or through a buried 1.5 ft pipeline that open discharges to the Big Wood River (the return location for 37-8535). T69282, which involves water right 37-20440, left 0.02 cfs in the Hiawatha Canal to prevent injury, and the remaining 0.07 cfs is diverted at the head of the Comstock Ditch for losses associated with the ponds under 37-20441 (to mitigate any water lost to evaporation and seepage). The entire amount of water diverted at the POD is conveyed back to the Big Wood River (a nonconsumptive flow-thru system). Beneficial Use is for Recreation (boating, swimming), Aesthetic and Wildlife (deer, numerous birds, ducks, fox).

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

H. RECOMMENDATIONS

37-20441:

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	01/01 to 12/31	5.000 CFS	
AESTHETIC	01/01 to 12/31	5.000 CFS	
WILDLIFE	01/01 to 12/31	5.000 CFS	
<u>Totals:</u>		5.000 CFS	

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

37-21176:

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	01/01 to 12/31	5.000 CFS	
AESTHETIC	01/01 to 12/31	5.000 CFS	
WILDLIFE	01/01 to 12/31	5.000 CFS	
<u>Totals:</u>		5.000 CFS	

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 Jandy Hemenway Date: 3/7/2014

Basin	Sequence	Suffix	Process	Basis	Status	Draft	RightID	Priority	Date	Diversion	Rate	Source List	Water Use List
37	81		Water Right Decreed	Active	N		346047	6/1/1884				4.000 BIG WOOD RIVEF AESTHETIC STORAGE, (in Lane Ranch Subdivision)	
37	10913		Water Right Decreed	Active	N		310312	3/24/1883				0.150 BIG WOOD RIVEF IRRIGATION (different POD for Cliffside Homes Subdivision)	
37	703	E	Recommen Decreed	Active			310218	6/15/1891				0.400 BIG WOOD RIVEF IRRIGATION	
37	419	B	Water Right Decreed	Active	N		310189	8/2/1889				0.180 BIG WOOD RIVEF IRRIGATION	

These are not Overlapping Water Rights (ones above)

POD/ Comstock Ditch:

37	21261		Water Right Decreed	Active	N		642171	11/12/1936				0.080 BIG WOOD RIVEF IRRIGATION (same 1.7 acres as 37-21259)	
37	21259		Water Right Decreed	Active	N		642168	5/1/1887				0.050 BIG WOOD RIVEF IRRIGATION (same 1.7 acres as 37-21261)	
37	21260		Water Right Decreed	Active	N		642163	11/12/1936				0.120 BIG WOOD RIVEF IRRIGATION (2.5 acres near Hwy 75; same 2.5 acres as 37-21258)	
37	21258		Water Right Decreed	Active	N		642162	5/1/1887				0.040 BIG WOOD RIVEF IRRIGATION (same 2.5 acres as 37-21260)	
37	48	B	Water Right Decreed	Active	N		605523	5/1/1887				0.500 BIG WOOD RIVEF IRRIGATION (in Cliffside Subdivision)	
37	8278		<i>Disallowed</i> (or 37-4265, as decreed in the SRBA)										
37	4265		Water Right Decreed	Active	N		634657	3/1/1939				4.000 BIG WOOD RIVEF RECREATION STORAGE, RECREATION	
37	8535		Water Right License	Active	N		547496	7/11/1989				10.000 BIG WOOD RIVEF AESTHETIC	
37	8611		Water Right License	Active	N		103120	5/10/1990	4.00**			BIG WOOD RIVEF AESTHETIC	
37	20441		Water Permit	Active	N		564137	6/21/2001				5.000 BIG WOOD RIVEF AESTHETIC, RECREATION, WILDLIFE	
37	21176		Water Permit	Active	N		573721	9/11/2003				5.000 BIG WOOD RIVEF AESTHETIC, RECREATION, WILDLIFE	
37	20440		Water Right Decreed	Active	N		566488	3/24/1883	0.09*			BIG WOOD RIVEF AESTHETIC, RECREATION, WILDLIFE (0.02 cfs left in Hiawatha; 0.07 in Comstock for mitigation)	

*0.07 cfs is delivered with 37-20441 at the head of Comstock Ditch for losses assoc. w/ponds under 37-20441.

0.02 cfs is released by the watermaster into the Hiawatha Canal.

when combined, shall not exceed a total diversion rate of 10.0 cfs

**4.00 after 37-8278 (decreed as 37-4265 in the SRBA) has been fully compensater

37-20441 and 37-21776 POD Overlaps





S. Hemenway

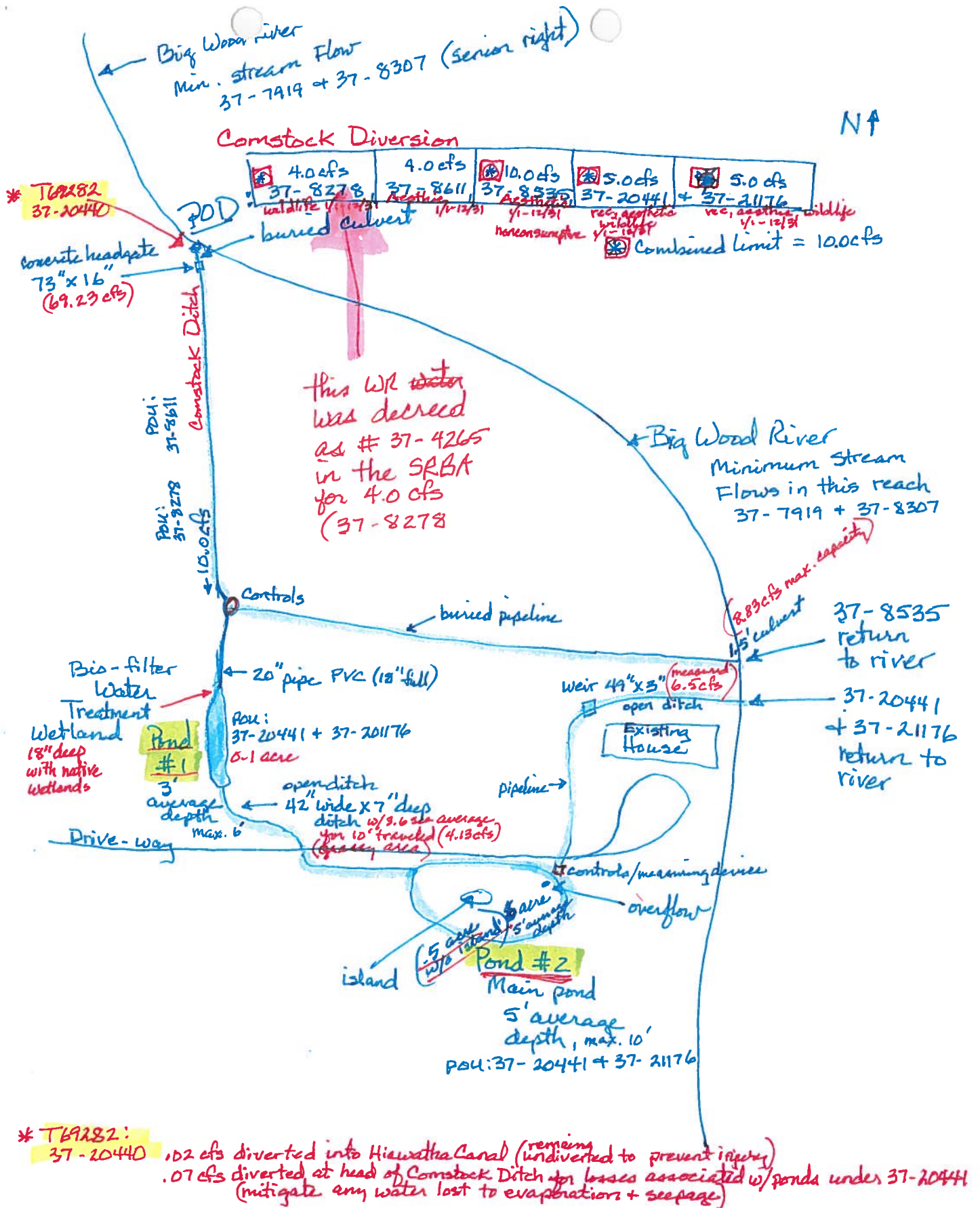


37-20441 and 37-21176, Arc Map 2013 Imagery 1:1925

37-20441 + 37-21176

Date

2/11/2014



37-20441 + 37-21176

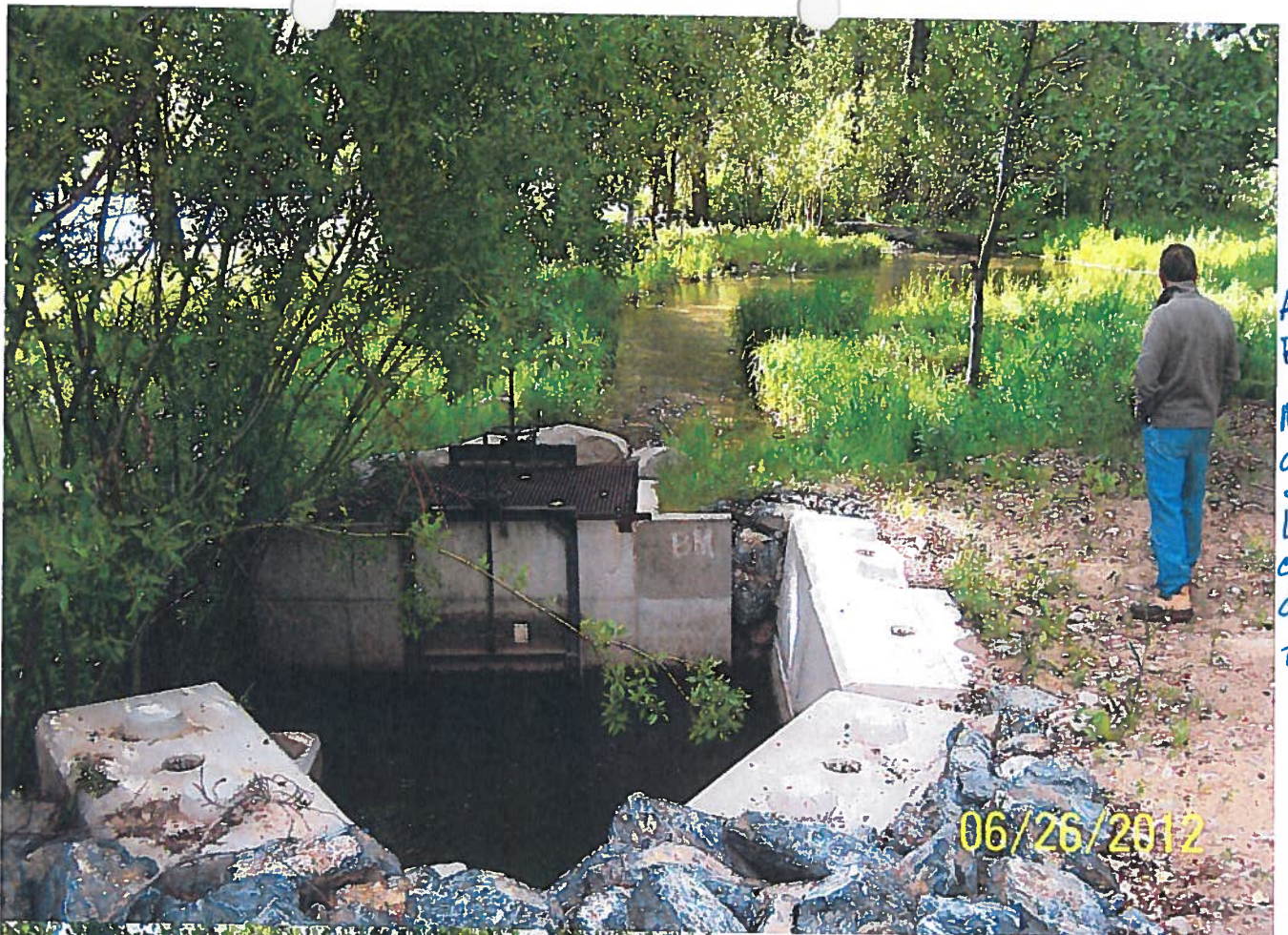
S. Hemenway



POD
Comstock
head
gate
at the
Big
Wood
River,
buried
culvert
to
head-
gate



Big
Wood
River



At the
POD.

Measuring
device
&
lockable
control
device
73" x 16"



the
channel
that
flows
from
the
head
gate
to the
ponds
to the
south



Return
to
river
for
37-852
and
20"
buried
pipe
to
pond
#1

06/26/2012



20"
buried
pipe
discharge
to
pond #1
(average
depth 5')

06/26/2012

37-20441 + 37-21176 Redcliff Partners

S. Hennenway

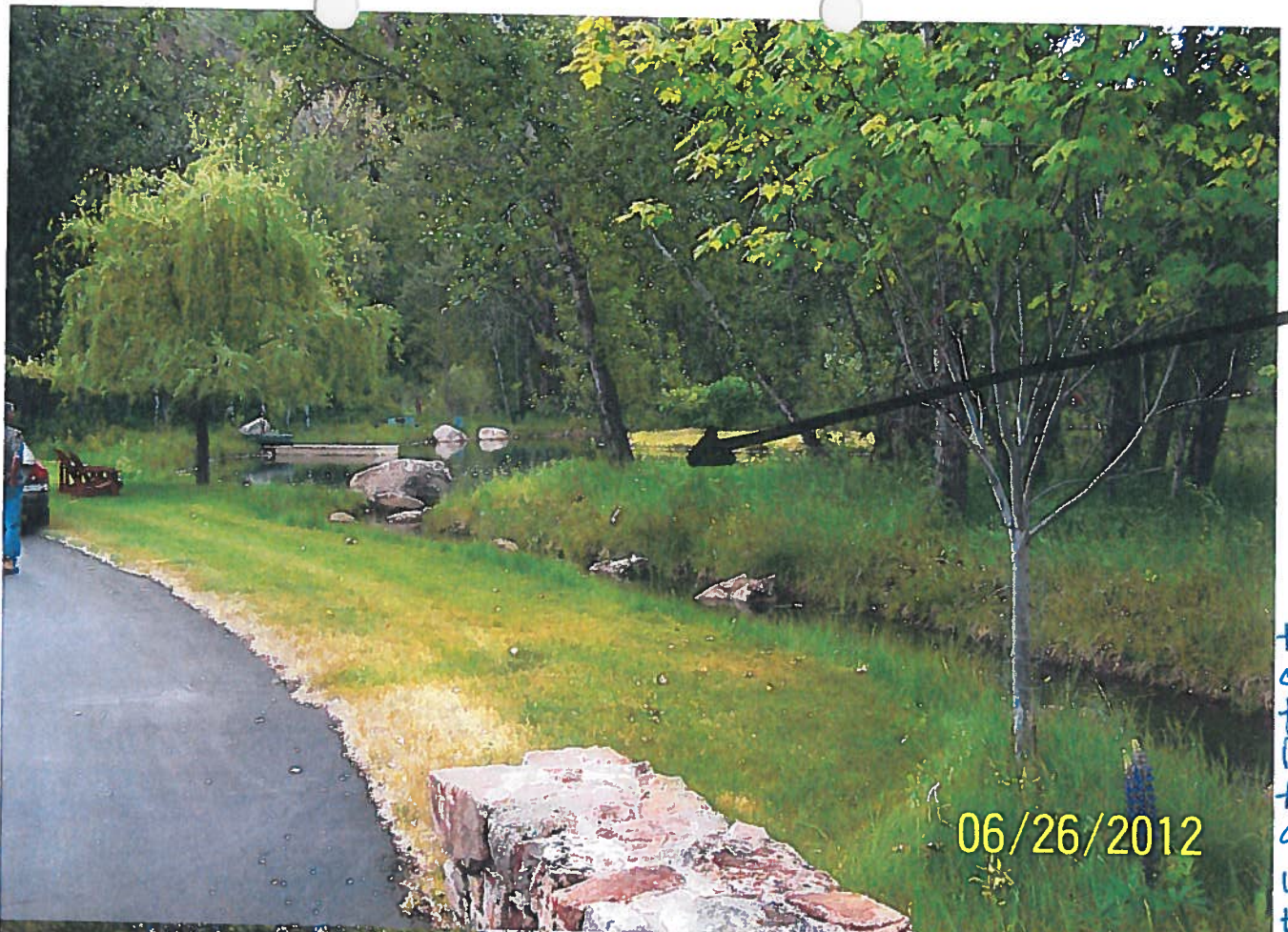
PDU:

In-
stream

flow
through
Pond
#1,
average
depth
3',
that
continues
to
flow
south
where
it goes
under
the
road,
and
flows
south
east
to
pond
#2

06/26/2012

06/26/2012



Pond#
2

the
channel
from
Pond#
that
goes
under
the
road
to pond
#2

06/26/2012



Pou:
Pond
#2

06/26/2012



over-
flow
at
Pond#1

06/26/2012



Controls
near
pond#1
(to
maintain
level)
piped
to
concrete
weir
with
return
flow
to the
Big Water
River

06/26/2012



49"x3"
Concrete
weir
with
return
to the
Big
Wood
River,
from
over-
flow
from
Pond #2
(ditch
located
north of
house,
running
west to
east).
Big
Wood
River

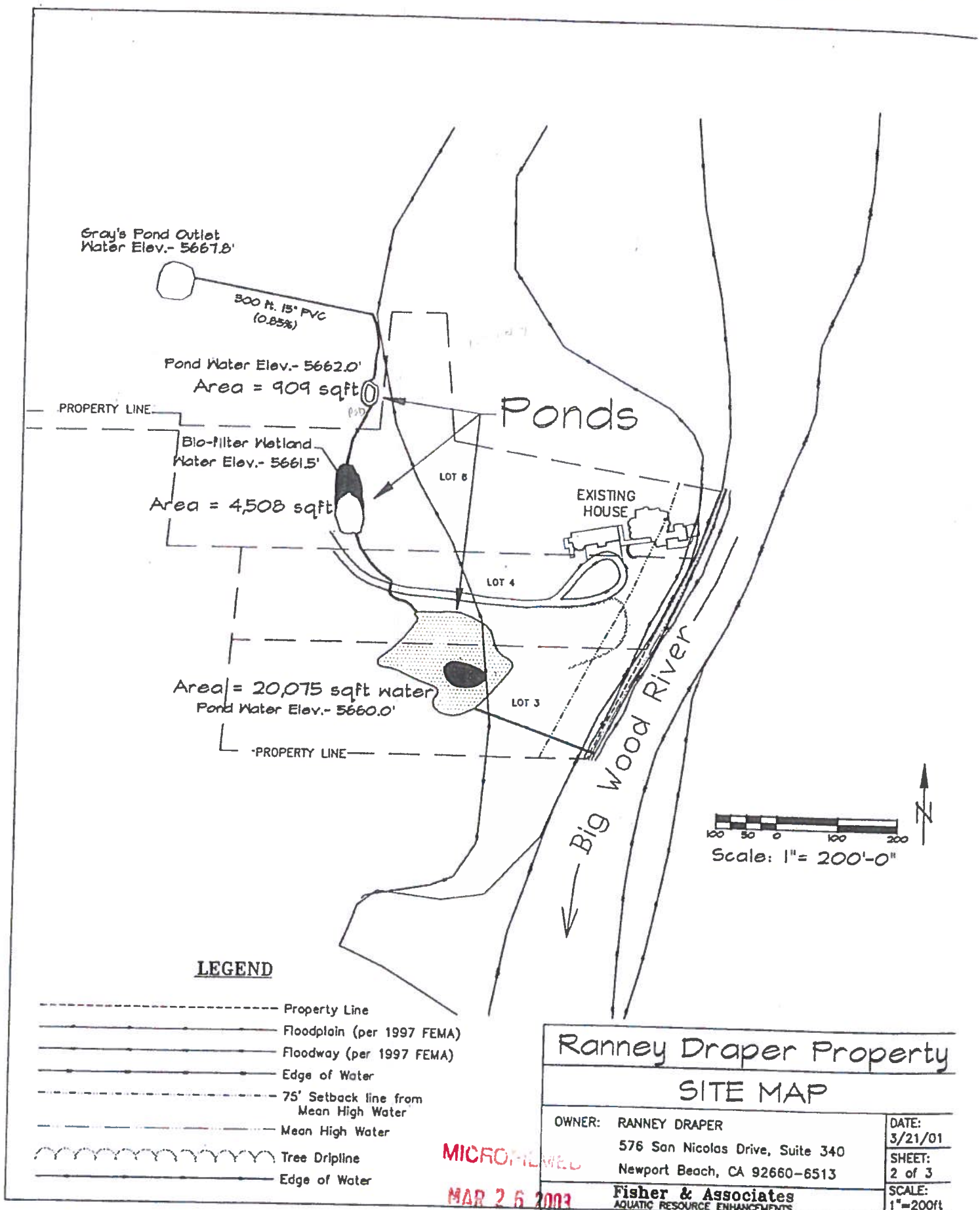


Return
flow
to the
Big
Wood
River
from
37-853



Return
flow
to the
Big
Wood
River
from
Pond #2
discharge
through
concrete
weir

T #69282



LEGEND

- Property Line
- Floodplain (per 1997 FEMA)
- Floodway (per 1997 FEMA)
- Edge of Water
- 75' Setback line from Mean High Water
- Mean High Water
- ~~~~~ Tree Dripline
- Edge of Water

Ranney Draper Property SITE MAP

OWNER: RANNEY DRAPER
576 San Nicolas Drive, Suite 340
Newport Beach, CA 92660-6513

Fisher & Associates
AQUATIC RESOURCE ENHANCEMENTS

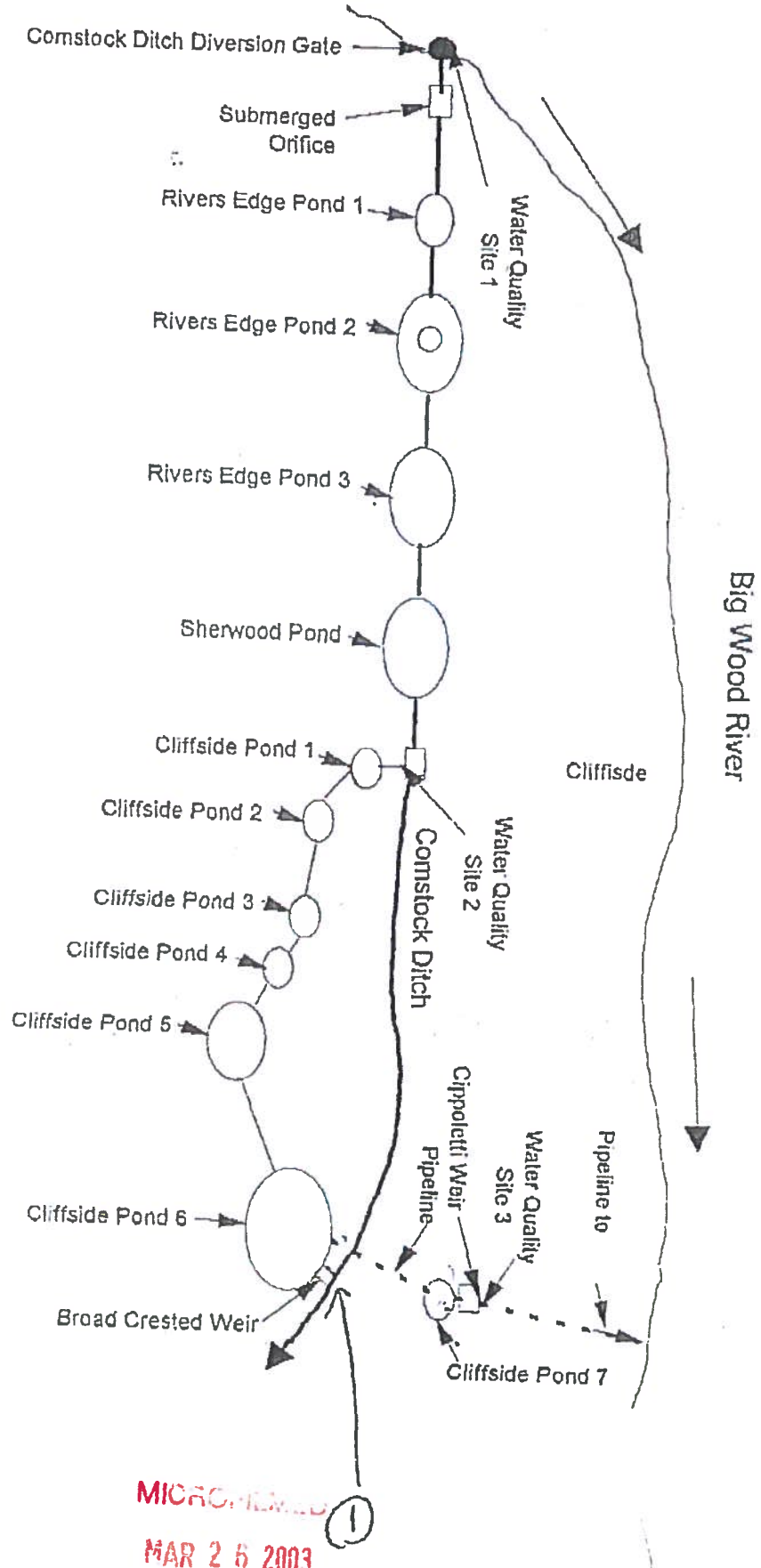
DATE:
3/21/01
SHEET:
2 of 3
SCALE:
1"=200ft

MICROFILMED

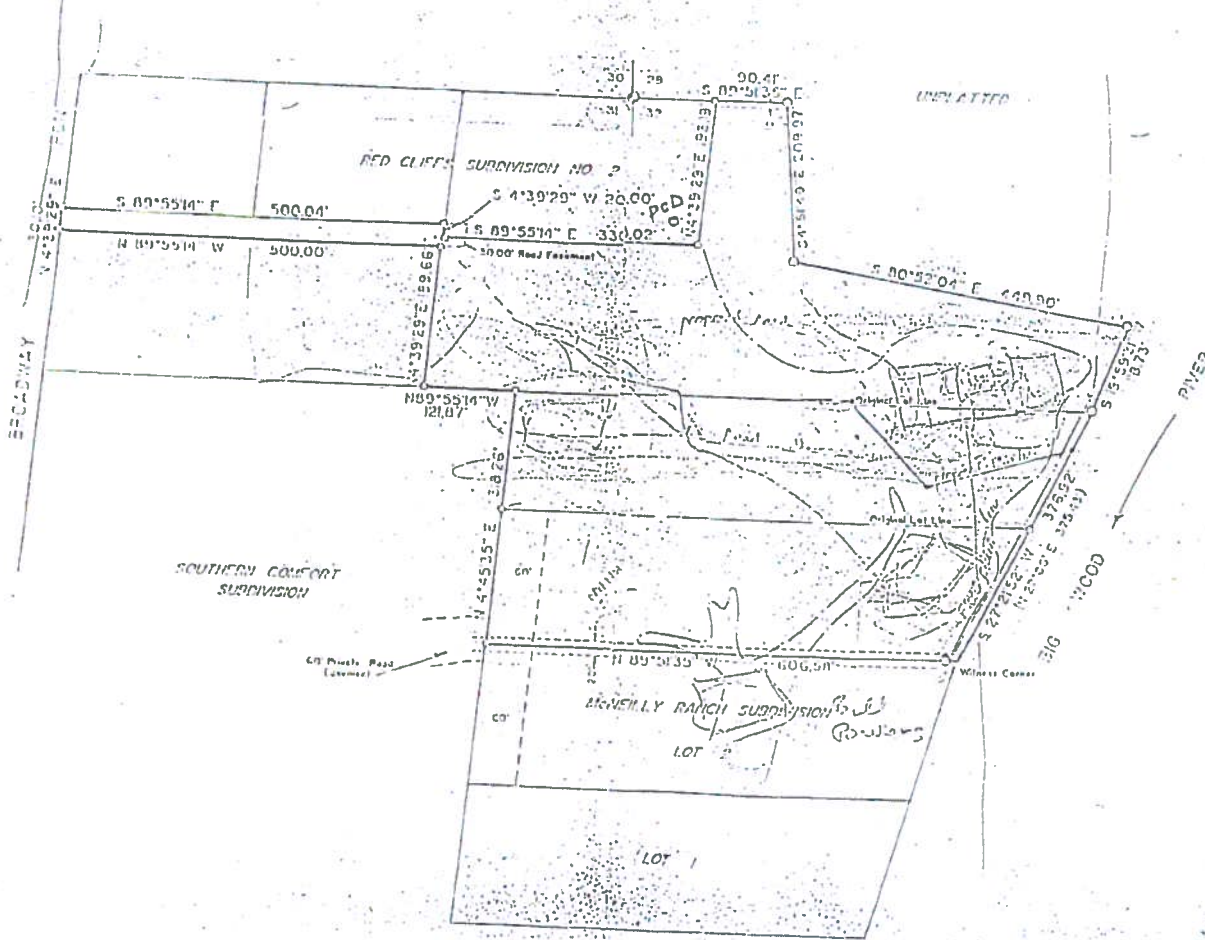
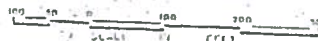
MAR 26 2003

T-#69282

Comstock Ditch Schematic for Water Use Greystone Permit 37-08535
and Rivers Edge Partners 37-08611



PLAT SHOWING
 REPLAT OF LOTS 3 & 4 McNEILLY RANCH SUBDIVISION
 and
 LOT 6, RED CLIFFS SUBDIVISION NO. 2, LOTS 5 & 6, AMENDED
 A PORTION OF SECTIONS 31 & 32, T. 4 N., R. 10 E., B.M., BLAINE COUNTY, IDAHO
 1987



LEGEND

- Found 3/4" Rebar
- Found 1/2" Rebar
- Brass Cap
- 60' Private Road Easement
- 20' Utility Easement
- 10' Pedestrian Easement
- Original Lot Lines
- No New Plat
- Plat

PRELIMINARY

PRINTED 11/27/88

SALEHA ENGINEERING
 CONSULTING ENGINEER

T#69282

MICROFILMED
 MAR 25 2003

Total Pond Project
Required Volume

T # 69282

<u>Wetland Area (ft²):</u>	2,803.00	<u>Wetland Pond Area (ft²):</u>	1,705.00	<u>Main Pond Area (ft²):</u>	20,075.00
<u>Maximum Depth (ft):</u>	1.50	<u>Maximum Depth (ft):</u>	6.00	<u>Maximum Depth (ft):</u>	10.00
<u>Period of Use (days):</u>	365	<u>Period of Use (days):</u>	365	<u>Period of Use (days):</u>	365
<u>Number of Fillings:</u>	1	<u>Number of Fillings:</u>	1	<u>Number of Fillings:</u>	1
<u>Pond Area (acres):</u>	0.06	<u>Pond Area (acres):</u>	0.04	<u>Pond Area (acres):</u>	0.46
<u>Pond Volume (ac-ft):</u>	0.05	<u>Pond Volume (ac-ft):</u>	0.12	<u>Pond Volume (ac-ft):</u>	2.30

*Evap. Loss:

<i>ac-ft/year</i>	<i>gallons/year</i>	<i>gallons/day</i>	<i>gpm</i>	<i>cfs</i>
1.37	445,021.95	1,219.24	0.85	0.0019

Fish & Wildlife Use:

<i>ac-ft/year</i>	<i>gallons/year</i>	<i>gallons/day</i>	<i>gpm</i>	<i>cfs</i>
2.47	804,844.86	2,205.05	1.53	0.0034

Total Use per Year:

<i>ac-ft/year</i>	<i>gpm</i>	<i>cfs</i>
<u>3.84</u>	<u>2.38</u>	<u>0.0053</u>

*2.42 feet or 29 inches was used for the mean annual evaporative loss--Water in Environmental Planning by Thomas Dunne and Luna B. Leopold, 1976. See Appendix A - Relative Documents to the evaporation chart.

MICHAEL

807 7 2 2007

WATER



RIGHTS, II

Hemenway, Sandy

Subject: FW: RE: 37-21176, 37-20441 licensing review for these water rights

-----Original Message-----

From: Jim Speck [<mailto:jim@speckandaanestad.com>]

Sent: Wednesday, December 11, 2013 10:21 AM

To: Hemenway, Sandy

Cc: Mr. Ranney Draper

Subject: RE: RE: 37-21176, 37-20441 licensing review for these water rights

Sandy,

The reason for filing 37-21176 is to have water rights to divert the entire amount of 37-8535 (10 cfs) through the Draper system and then return all of it to the river in approximately the same location that Cliffside is required to return the 10 cfs of 37-8535 to the river.

Jim

-----Original Message-----

From: Hemenway, Sandy

Sent: Wednesday, December 11, 2013 9:38 AM

To: Hemenway, Sandy; Jim Speck

Jim,

Here are the final questions that have come up on these water rights:

37-21176 and 37-20441 Draper:

(1) Both of these water rights are for 5.0 cfs, and have different priority dates.

(2) One of the conditions on the water right is: "Rights 37-8278, 37-8535, 37-20441 and 37-21176 when combined

shall not exceed a total diversion rate of 10.0 cfs." All of these water rights are 1/1 - 12/31 season of use.

(3) Was the intent of filing 37-21176 for the purpose of maintaining the 10.0 cfs coming down the ditch in the

event that one of the other water rights got transferred off?

Thanks,
Sandy

-----Original Message-----

From: Hemenway, Sandy

Sent: Wednesday, December 11, 2013 9:12 AM

To: 'Jim Speck'

Cc: 'rdraper@scinv.com'

Subject: 37-21176, 37-20441 licensing review for these water rights

Importance: High