

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 63-11977

Exam Date: 10/10/2014

1. Current Owner: RONALD P RAINEY  
ATTORNEY AT LAW  
PO BOX 26  
CALDWELL ID 83606-0026  
(208)459-3659
2. Accompanied by: FIELD EXAM CONDUCTED BY SANDY HEMENWAY IN 2006 FOR OVERLAPS  
Phone No: 63-4531 and 63-28821.  
Address:  
Relationship to Permit Holder:

3. SOURCE TRIBUTARY  
WASTE WATER BOISE RIVER

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 63-4531 AND 63-28221, Seidenberd Cooperative Ditch shares
2. Other water rights with the same point of diversion: 63-4531 AND 63-28221

**C. DIVERSION AND DELIVERY SYSTEM****1. LOCATION OF POINT(S) OF DIVERSION:**

WASTE WATER SW1/4SW1/4NE1/4 Sec. 7, Twp 04N, Rge 03W, B.M.  
CANYON County

Method of Determination: AERIAL PHOTOGRAPHS, 2006 FIELD EXAM REPORT, ARCMAP

2.

PLACE OF USE: STOCKWATER 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 03W 7   |    |    |    |    |    |    | X   | X  |    |    |    |    |    |    |    |    |        |
|             |    |    |    |    |    |    | L 4 |    |    |    |    |    |    |    |    |    |        |

WILDLIFE STORAGE same as STOCKWATER STORAGE  
DIVERSION TO STORAGE same as STOCKWATER  
STORAGE  
WILDLIFE same as STOCKWATER STORAGE

## Method of Determination:

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> |
|----------------------------------|-------------------|-----------|-------------------------|------------------|------------------------------------------|
|----------------------------------|-------------------|-----------|-------------------------|------------------|------------------------------------------|

POD

GRAVITY FLOW

\*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> |
|------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
|------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|

2. Measurements: in 2006, orange peel measurements were taken

**E. FLOW CALCULATIONS** ☐ Additional Computation Sheets Attached

Measured Method: partially filled pipe calculation and ditch capacity measurement done in 2006. See backfiles of 63-4531 and 63-28221 for all of the calculations. Calculation for POD # 2 is for the permitted POD.

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation: NOT APPLICABLE

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

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

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

2. Volume Calculations for Other Uses:

STOCKWATER: 200 head of range cattle  $\times 0.0134 = 2.68$  af = 2.7 af

STORAGE: surface area for 3 ponds  $2.5 + 8.1 + 2 = 12.6$  acres  $\times$  average depth of 3 feet per 2006 field exam = 37.8 af.  
Recommend for licensing the permitted volume of 35 af.

**G. NARRATIVE/REMARKS/COMMENTS**

The permit was issued for 12 cfs and 35 af for the initial fill, storage and refill of 3 ponds. The source is wastewater and the uses are diversion to storage, wildlife storage, stockwater storage and wildlife. The beneficial use terms used by IDWR for storage are different today but the terms on the permit are recommended for licensing.

The SRBA field exams conducted in 2006 for POD and POU overlaps 63-4531 and 63-28221 included all of the information necessary to verify the beneficial uses of the ponds, so the 2006 exams will be used for licensing 63-11977. The Seidenberd Cooperative Ditch Co., Ltd. provides 97 shares of water to the property.

The sources of the wastewater are the Seidenberd canal, as well as an unnamed ditch. Two PODs were listed on the permit because the POD is so close to a quarter-quarter line, but the 2006 exam confirmed that the POD is in the SWSWNE of Section 7, at the confluence of the drain and the Seidenberg Canal.

Several remnants of a dirt ditch system dating back to the 1940s is seen in a 2013 aerial photograph, and there are weirs along the main concrete ditch parallel to the railroad so there are several inlets to the ponds. In 2006, ditch measurements were taken and the flow calculated from several points. The field examiner determined there was 15.85 cfs where the water from the Seidenberd and the unnamed ditch water co-mingle at the POD. However, the system gains wastewater at other points along the main concrete ditch and dirt ditch system.

Water flows into each of the ponds from ditches from the main concrete ditch. As well, water flows from pond # 1 to Pond # 2 to pond # 3 through ditches. The ponds empty into the Boise River at a point on the west side of pond # 3.

The 2006 examiner estimated the ponds to be 15 acres but I determined about 12.6 and used my acreage to determine the volume of 37.8. I recommend for licensing the permitted volume of 35 af.

The diversion to storage rate of 12 cfs includes the rate for the overlapping rights. There is ample water available to recommend this rate, based on the numerous field measurements. The 7 cfs is needed for flow through to replenish the ponds for wildlife.

Backfiles for the overlaps indicate there have been as many as 205 head of range cattle on the property, though there were 40 head on site the day of the exam. The storage volume for stockwater recommended for licensing is 2.7 af based on 200 head. Wildlife includes duck, pheasant, quail, deer, coyote, fox, geese and turkey.

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

Add F06: The following rights are diverted through the point of diversion described above: 63-4531, 63-28221 and 63-11977.

Add X35: Rights 63-4531, 63-28221 and 63-11977, when combined shall not exceed a total diversion rate of 12.00 cfs.

#### H. RECOMMENDATIONS

- |                         |           |      |                                                           |
|-------------------------|-----------|------|-----------------------------------------------------------|
| 1) Permit amount        | _12_ cfs  | &/or | _35_ af storage                                           |
| 2) Beneficial use limit | n/a_ cfs  | &/or | _n/a_ af storage                                          |
| 3) System measurement   | _103_ cfs | &/or | _37.8_ af storage *2006 calculation for 63-4531, 53-28221 |
| 4) Proof fee amount     | _12_ cfs  | &/or | _1200_ af storage                                         |

## 1. Recommended Amounts

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>DIVERSION RATE</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|-----------------------|----------------------|
| WILDLIFE STORAGE      | 01/01 to 12/31       |                       | 35.00 AF             |
| DIVERSION TO STORAGE  | 01/01 to 12/31       | 12.000 CFS            |                      |
| WILDLIFE              | 01/01 to 12/31       | 7.000 CFS             |                      |
| STOCKWATER STORAGE    | 01/01 to 12/31       |                       | 2.70 AF              |
|                       | <u>Totals:</u>       | 12.000 CFS            | 35.00 AF             |

## 2. Recommended Amendments

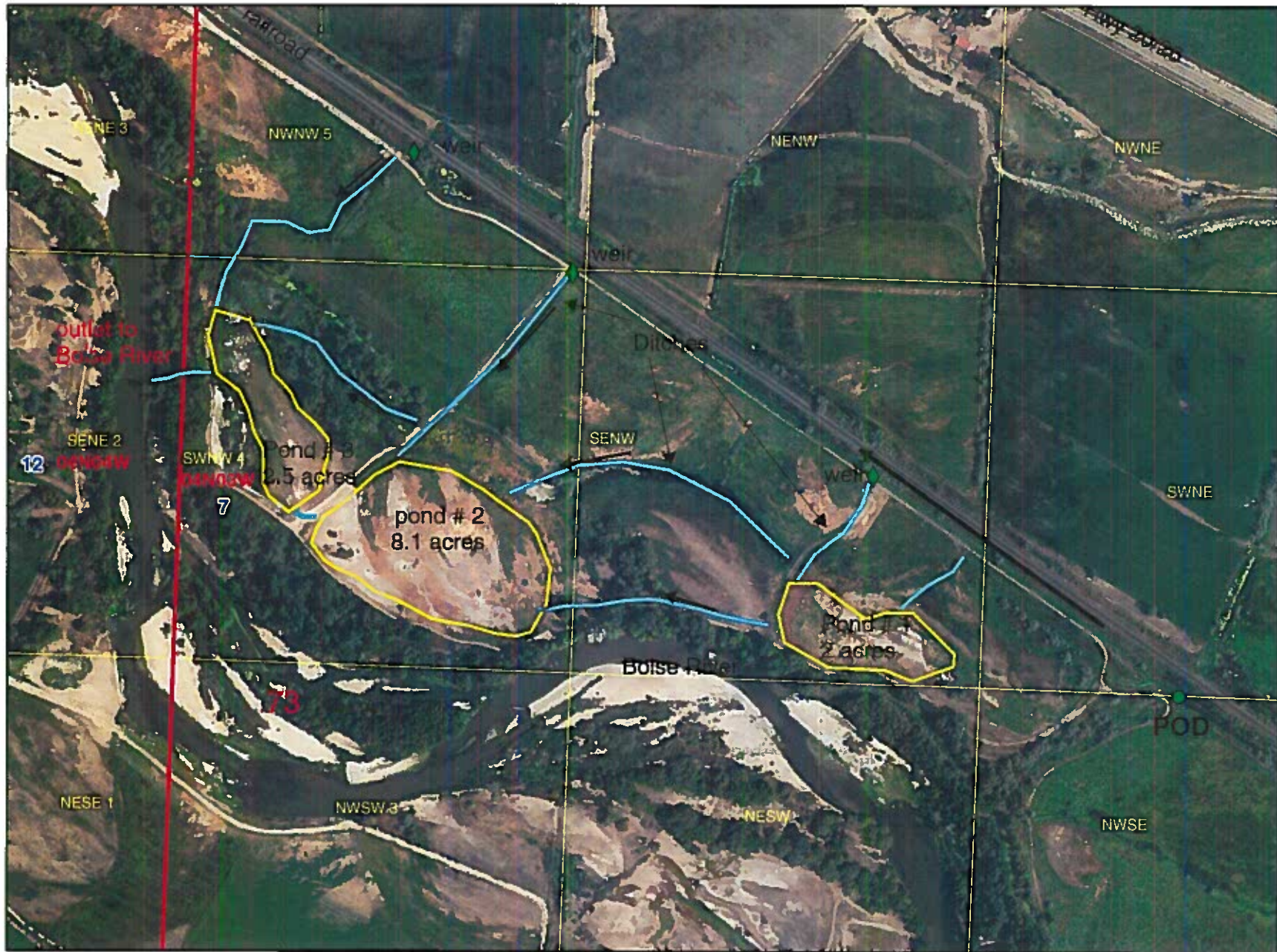
☐ Change P.D. as reflected above    ☐ Add P.D. as reflected above    ☒ None

\_\_\_Change P.U. as reflected above \_\_\_Add P.U. as reflected above \_\_\_Other

## I. AUTHENTICATION

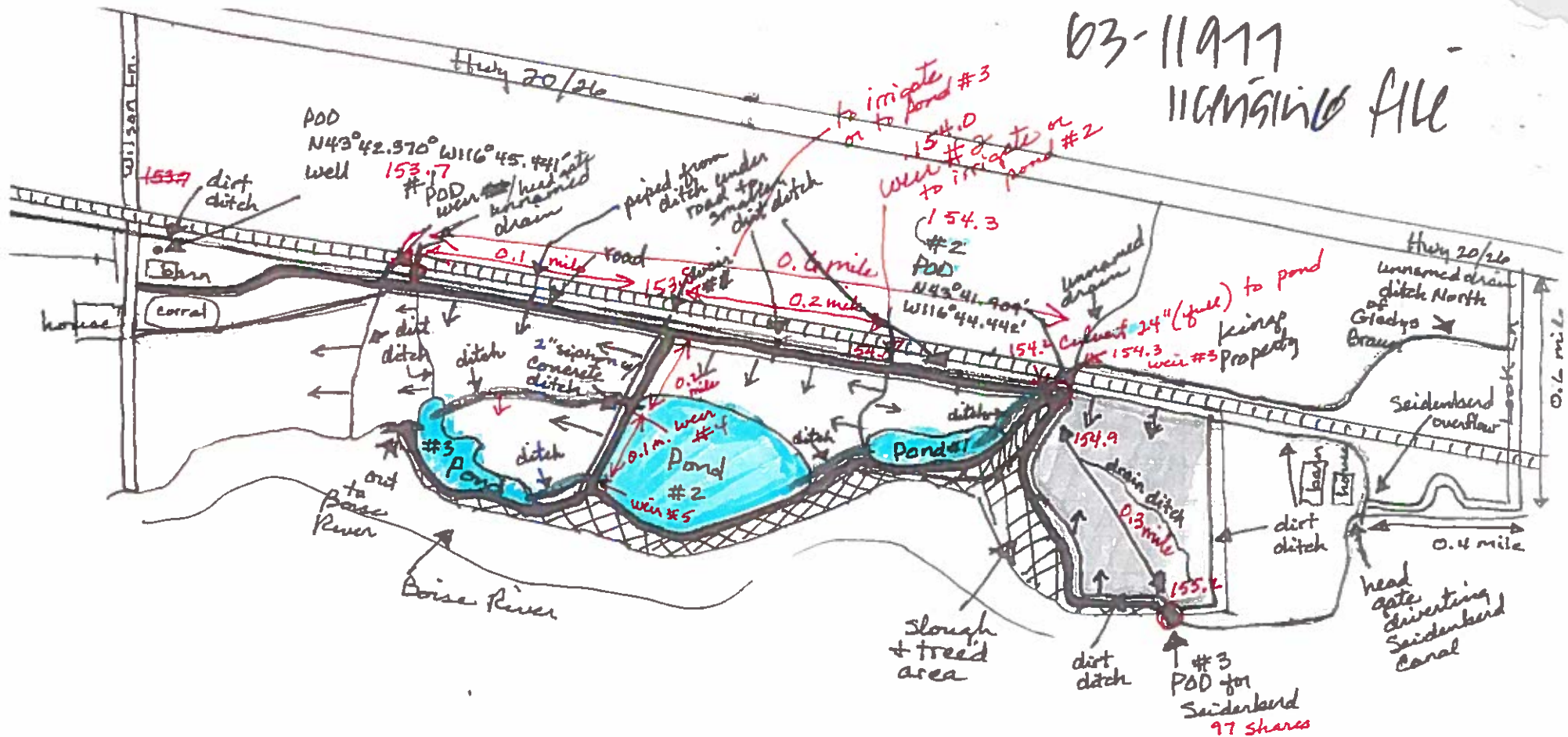
Field Examiner's Name Vanessa Date 10-19-19

Reviewer \_\_\_\_\_ Date \_\_\_\_\_



63-11977. Source is wastewater. POD and ditch delivery system to ponds shown. 2013 aerial photograph.

63-11911  
Hanging file



Ponds (each are 1 1/2 - 3' deep)

#1 = 1 1/2 - 3' deep

#2 = 3'

#3 = 3'

\* ponds are kept full after + before irrigation season

□ = Seidenberd

⊙ = POD

□ = irrigated w/  
Seidenberd only POU

▤ = Nonirrigated/wildlife refuge  
(trees + slough area)

▬ = Road

□ = POU irrigated

▨ = Co-mingled water in drain

N↑

63-28221 + 63-4531 Rainey  
9/29/2006 + 10/1/2006 SH

63-11977 licensing file



Pond #1

intake  
at Pond  
#1

10/01/2006



Pond  
#1

1 1/2 - 3' deep

outlet for  
pond #1 that  
feeds  
pond #2  
8' x 15"  
15' / 4 sec.

10/01/2006

63-28221 + 63-4531 Rainey  
10/1/2006 SH

N43°41.935' W116°44.741'

63-11911 Hensino file



Pond #2  
3' deep



Pond #2  
outlet  
Weir # 5  
38" X 8"

SE corner  
of pond  
# 2,  
0.1 mile  
south of  
Weir #4

63-28221 + 63-4531 Rainey / N43°41.988'  
10/1/2006 SH W116°45.084'

63-11911 Hanging file



Pond #3  
3' deep

63-28221 + 63-4531 Rainey  
10/1/2006 SJA

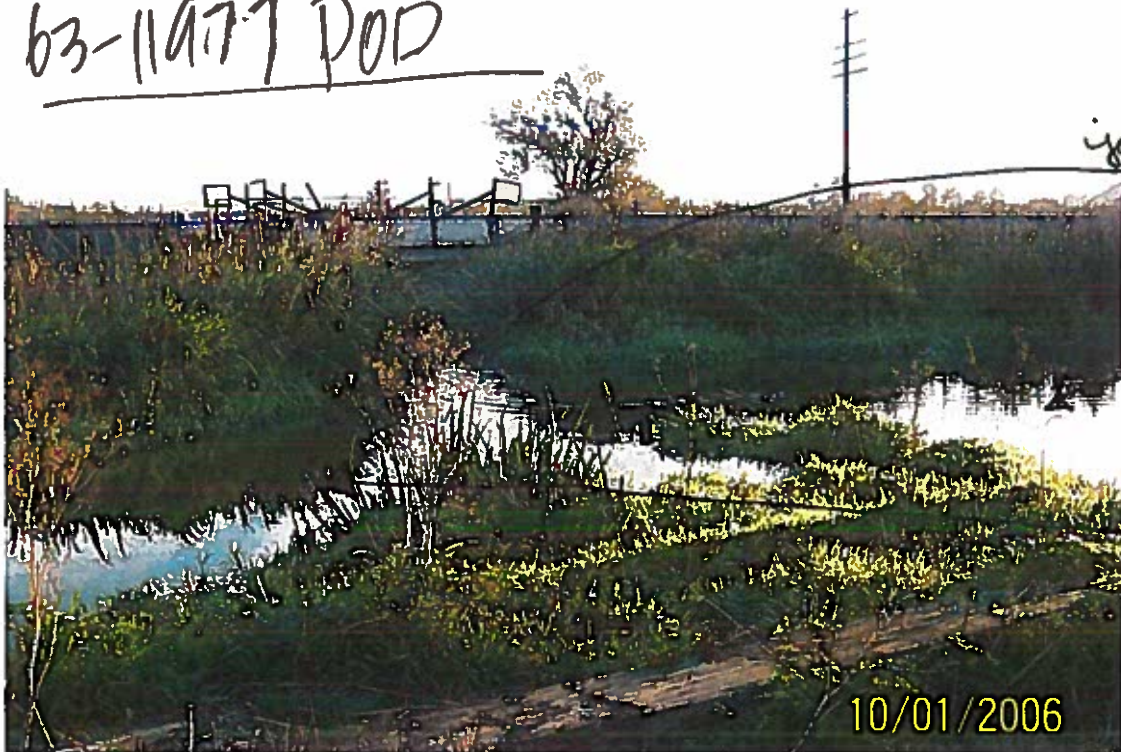
63-11977 licensing file



24"  
culvert  
(full) to  
ditch ditch  
running  
south to  
southwest  
to pond #~~1~~  
#1

N43°41.922' W116°44.491'

63-11977 POD



POD#2  
junction for 2  
combined  
drains

from  
Seidenburg

were  
water  
co-mingles

63-28221 + 63-4531 Rainey  
10/1/2006 S#