

[illegible]

**PLACE OF USE:** WILDLIFE

| Twp Rge Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** WILDLIFE STORAGE

| Twp Rge Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** IRRIGATION

| Twp Rge Sec | NE |    |    |     | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | .5 | 1.0 |    |    |    |    |    |    |    |    |    |    |    |    | 1.5    |

Total Acres: 1.5

**PLACE OF USE:** IRRIGATION FROM STORAGE

| Twp Rge Sec | NE |    |    |     | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | .5 | 1.0 |    |    |    |    |    |    |    |    |    |    |    |    | 1.5    |

Total Acres: 1.5

**PLACE OF USE:** FIRE PROTECTION

| Twp Rge Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** FIRE PROTECTION STORAGE

| Twp Rge Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** IRRIGATION STORAGE

| Twp Rge Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 50N 05W 35  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|             |    |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

**DIVERSION TO STORAGE same as IRRIGATION 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</u><br><u>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</u><br><u>Size</u> |
|--------------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------------|
| _____                                      | _____             | _____     | _____                   | _____            | _____                                              |
| _____                                      | _____             | _____     | _____                   | _____            | _____                                              |
| _____                                      | _____             | _____     | _____                   | _____            | _____                                              |
| _____                                      | _____             | _____     | _____                   | _____            | _____                                              |

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

## D. FLOW MEASUREMENTS

1.

| <u>Measurement</u><br><u>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: 5gal bucket

## E. FLOW CALCULATIONS

Measured Method:

Split Flow Measurement  
 4gal in 5sec x 2  
 8gal in 5sec  
 96 gpm  
 0.21 cfs

☐ Additional Computation Sheets Attached

Irrigation  
 5gal in 16sec  
 18.75 gpm  
 0.04 cfs

**F. 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:

$$\begin{array}{rcl} .09 \text{ acres} \times 8 \text{ ft} & & .04 \text{ acres} \times 1 \text{ ft} \\ .72 \text{ AF} & + & .04 \text{ AF} \\ \hline .76 \text{ AF} \end{array}$$

**G. NARRATIVE/REMARKS/COMMENTS**

POINT OF DIVERSION IS APPROXIMATELY 260 FT. FROM PLACE OF USE CONNECTED BY AN 8 IN. PVC PIPE WITH 3 CLEANOUTS. THE LARGE POND HAS A SURFACE AREA OF .09 ACRES WITH AN AVERAGE DEPTH OF 8 FT. THE SMALL POND HAS A SURFACE AREA OF .04 ACRES WITH AN AVERAGE DEPTH OF 1 FT. THE TWO PONDS ARE APPROXIMATELY 30 FT. APART CONNECTED BY AN 8 IN. PLASTIC OVERFLOW PIPE. THE SMALLER POND THEN OVERFLOWS INTO COUGAR CREEK. THE IRRIGATION IS DIVERTED FROM THE LARGE POND BY A 1HP. PUMP CONNECTED TO A SINGLE FROST FREE SPICKET FROM WHERE HOSES ARE DRUG FOR LAWN IRRIGATION.

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

**H. RECOMMENDATIONS**

## 1. Recommended Amounts

| <u>BENEFICIAL USE</u>   | <u>PERIOD OF USE</u> | <u>DIVERSION RATE</u> | <u>ANNUAL VOLUME</u> |
|-------------------------|----------------------|-----------------------|----------------------|
| DIVERSION TO STORAGE    | 01/01 to 12/31       | 0.210 CFS             |                      |
| RECREATION              | 01/01 to 12/31       | 0.210 CFS             |                      |
| RECREATION STORAGE      | 01/01 to 12/31       |                       | 0.80 AF              |
| WILDLIFE                | 01/01 to 12/31       | 0.210 CFS             |                      |
| WILDLIFE STORAGE        | 01/01 to 12/31       |                       | 0.80 AF              |
| IRRIGATION              | 03/15 to 11/15       | 0.040 CFS             |                      |
| IRRIGATION FROM STORAGE | 03/15 to 11/15       |                       | 0.80 AF              |
| FIRE PROTECTION         | 01/01 to 12/31       | 0.210 CFS             |                      |
| FIRE PROTECTION STORAGE | 01/01 to 12/31       |                       | 0.80 AF              |
| IRRIGATION STORAGE      | 03/15 to 11/15       |                       | 0.80 AF              |
| <u>Totals:</u>          |                      | 0.210 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

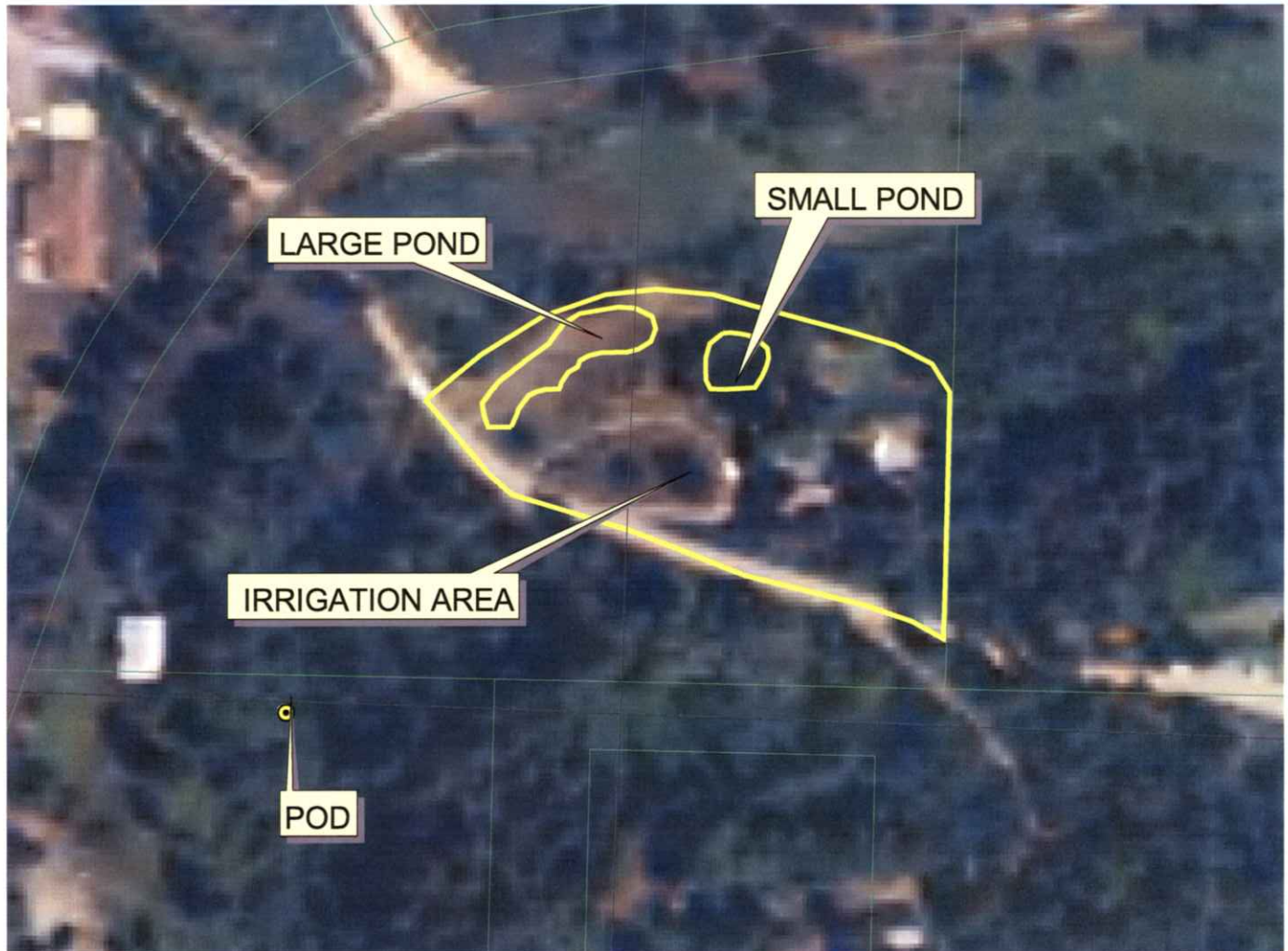
I. AUTHENTICATION

Field Examiner's Name Chad H Goodwin Date 5-9-2007

Reviewer Kenneth Knoblock Date 5/11/7

KENNETH KNOBLOCK

# 95-9219



-  Kootenai taxlots
-  GCDB50N05W GCDB
-  Right POD
-  Administrative BasinsAdminbas.shp
-  Pou.shp
-  Pod.shp





BOTH PONDS



INLET FOR IRRIGATION  
PUMP



INLET TO LARGE POND



LARGE POND



LARGE POND AND PIPE  
TO SMALL POND



LAWN IRRIGATION



LAWN IRRIGATION 2



LAWN IRRIGATION 3



LEVEE BETWEEN LARGE  
POND AND STREAM



ONLY POINT OF  
IRRIGATION



OUTFLOW FROM SMALL  
POND TO STREAM



OUTLET FROM LARGE  
POND



PIPE FROM LARGE POND  
TO SMALL POND



PIPE FROM LARGE POND  
TO SMALL POND 2



POINT OF DIVERSION



POINT OF DIVERSION 2



PUMP AND PRESSURE  
TANK



PUMP FROM LARGE  
POND



PUMP MOTOR TAG



PUMP MOTOR TAG 2



WATERFALL TO SMALL  
POND





































1081

IF 3-S 1 QUP 4 409F

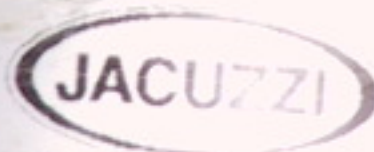
MODEL/MODELE

91110000

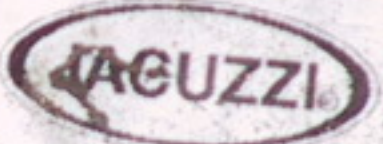
ORDER NO

NO. DE COMMANDE

DATE 28 JAN 25



LITTLE RIVER

1RM2-S 1.0HP 1.40SF  
MODEL/MODELE  
91110890  
ORDER NO. / NO. DE COMMANDE  
DATE 28.12.05  
  
LITTLE ROCK, AR, USA

