

[illegible]

3. Delivery System Diagram

Indicate weir size/ditch size/ pipe i.d..as applicable.

Indicate weir size/ditch size/ pipe i.d..as applicable.

N/A

Scale 1"=_____

- ☐

Copy of USGS Quadrangle attached showing location(s) of diversion and place(s) of use (required).

-

Aerial photo attached (required for irrigation of 10+ acres).

- ☐

Photo of diversion and system attached. ← N/A

Well or Diversion Identification No.*	Motor Make	HP	Motor Serial Number	Pump Make	Pump Serial No. or Discharge Size
#1 = creek with generator & pump		1.5	no tag		

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

D. FLOW MEASUREMENTS

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calibration Date
NONE						

Measurements NONE - SEE NARRATIVE

E. NARRATIVE/REMARKS/COMMENTS

NARRATIVE = ATTACHMENT C. ALSO SEE ATACHMENTS A & B PLUS MAPS #1-4.

Have conditions of permit approval been met? ☒ Yes ☐ No**F. FLOW CALCULATIONS**

Measured Method:

☐ Additional Computation Sheets Attached

ALLOW 0.04 CFS PER NARRATIVE. INCLUDES HP EQUATION FOR CREEK P/D. ASSUME CAPACITY FOR BOTH DIVERSIONS ABOUT 0.06 CFS LACKING ANY OTHER INFORMATION.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

VI.R. = (Acres Irrigated) x (Irrigation Requirement) =

VD.R. = [Diversion Rate (cfs)] x (Days in Irragions Season) x 1.9835 =

V = Smaller of VI.R. and VD.R. =

2. Volume Calculations for Other Uses: 1.2

(0/1 int. + ext.)

H. RECOMMENDATIONS

1. Recommended Amount

BENEFICIAL USE	PERIOD OF USE		RATE OF DIVERSION ANNUAL	
	From	To	Q(cfs)	V(afa)
DOMESTIC	1/1	12/31	0.04	1.2

TOTALS 0.04 1.2

2. Recommended Amendments*

- ☒ Change P.D. as reflected above
☐ Change P.U. as reflected above

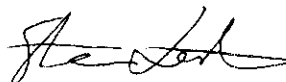
- ☒ Add P.D. as reflected above
☐ Add P.U. as reflected above

- ☐ None
☒ Other

I. AUTHENTICATION

Field Examiner's Name STEVE LESTER

Reviewer



Date 10/4/05

Date

INCLUDE: Property aka Tax 6 Part of Survey 2256. Domestic use is for 1 home and includes yard irrigation not to exceed 1/2 acre.

* UNSURVEYED AREA, amendment fee N/A



711 East Broadway - Meridian, Idaho 83642
208 887-1020 (ph) 208 887-1253 (fax)
jyoung@precisioncraft.com

FACSIMILE COVER PAGE

DATE: July 20, 2005
TO: Steve Lister (208-334-2348)
FROM: Jim B. Young, President
SUBJECT: Buffalo Hump Cabin

Dear Steve –

Here are some rough directions to the Buffalo Hump Cabin. Distances are an approximation only.

Oregrande Summit to Hump Lake.

Go past Hump Lake on the main road toward the airstrip

It's approximately 3 or 4 miles to the airstrip.

Go past the airstrip on the main road toward Jumbo Mine. Approximately 1 ½ miles, there is a small "hunting" cabin on the right. The main (log) cabin is just beyond the hunting cabin. As I mentioned, the hunting cabin is open to visitors and you are welcome to stay there. It has bunk beds and a small wood stove.

There is a small stream that runs in front of the hunting cabin. About 10 yards upstream off to the other side, you will see a covered cistern. If you open the lid, you will see an electric motor. This is the water we use for toilets and showers. In the back of the log cabin (you will see a garage door) there is a line that goes to a tank supplied by a small spring about 150 yards to the North (still located on our property). This water is good for drinking but not allows reliable. I want to dig a small well at this location. We also bring in bottled water for drinking.

Let me know if you will be there when we are there.

Best wishes

77-7083B
Attachment A

EMAILS WITH JIM YOUNG, 77-7083B

COPIED FROM EMAIL INTO WORD DOCUMENT FOR CLARITY.

KEY: BOLD = IDWR QUESTIONS

HIGHLIGHT = JIM YOUNG RESPONSES

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

From: Lester, Steve [mailto:Steve.Lester@idwr.idaho.gov]
Sent: Tuesday, October 04, 2005 8:58 AM
To: Jim B. Young
Subject: RE: Kemp water right for Buffalo Hump property

Jim:

Thank you. That information takes care of all the loose ends. Licensing will proceed. The license will be mailed to Mary Kemp at the Boise address, probably within the next few months if not sooner.

Please let me know if you have any questions or need water right information for this property or anything else that might come up in the future.

Steve

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

From: Jim B. Young [mailto:jyoung@precisioncraft.com]
Sent: Monday, October 03, 2005 9:54 AM
To: Lester, Steve
Subject: RE: Kemp water right for Buffalo Hump property

Steve - thanks for your help. Below is my response to your questions. Let me know if you need any further information.

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

From: Lester, Steve [mailto:Steve.Lester@idwr.idaho.gov]
Sent: Tuesday, September 27, 2005 1:39 PM
To: Jim B. Young
Subject: Kemp water right for Buffalo Hump property

77-7083B
ATTACHMENT B (3 pgs.)

Dear Jim:

Thank you for all your help detailing the domestic water system for Mary Kemp's water permit no. 77-7083B in the Buffalo Hump area. Unfortunately I was not able to get up to the high country recently. In hindsight, I should have taken you up on your offer for photographs etc. during your last visit. However, I am confident the permit can be licensed based on your information, the assessor's information, and technical information available to the department (for example, the cabins can be seen in 2004 aerial photos now available to this agency). A few **follow up items remain for licensing to proceed:**

1) Name - Mary Kemp is the permit owner of record. Permits are personal property not automatically transferred with land ownership. Please confirm if the permit should remain in her name. If the permit should be in another name (such as a trust), she can assign it using the attached form (\$25 fee). An assignment, if desired, should be submitted as soon as possible to compliment the licensing process now underway.

Whether the permit is assigned or not, the eventual license resulting from the field exam process will be appurtenant to the land. From that point forward, ownership of the licensed right can be changed using the department's "notice of change in water right ownership" form available from any department office or via the Internet at www.idwr.idaho.gov.

>>Steve - the property is owned by Mary - so, I think it should be in her name. Mary is 84 years old and her intention is to leave the property to her grandchild. But, as I understand it, there is not a problem in transferring the water rights upon her death.

2) Address - Assuming the permit remains in Mary's name, is an address change needed? The address of record is 1900 Lake Heron Lane, Boise 83706, tel. 342-6048. An email reply is sufficient to change the address.

>>Steve - the address is correct.

3) Diversion works - How is the electric motor powered? Do you have any details for brand, model, serial number or

horsepower (not essential but useful information in licensing).

>>Steve - the electric motor is 1 1/5 HP submersible motor located in the cistern adjacent to the creek. I do not have the brand or serial number. The motor is powered by a generator located inside the cabin. In addition, there is gravity feed water from ground water accumulated in a holding tank located a few hundred yards North of the cabin.

4) Water use - Is water delivered only to the main cabin? Or to main and hunting cabins? I assume the domestic use is for internal purposes (no "yard irrigation" at that elevation).

>>Steve - The water is mostly for domestic use delivered just to the main cabin (no water in the hunting cabin at this time). We do sprinkle the yard on occasion when we are there.

Your reply by October 7, 2005, will be very helpful for timely licensing prior to Snake River Basin Adjudication recommendations to be made for this development. The expected outcome will be a water right license recommended in the adjudication. If all goes as planned, the eventual result will be a decreed water right issued by the adjudication court.

Please contact me at your convenience if you have any questions.

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel. 208-334-2190
steve.lester@idwr.idaho.gov

<<Permit assignment.pdf>>

NARRATIVE FOR 77-7083B EXAM

The permit originated by Paul Filer as 0.24 cfs for domestic use in 6 homes in this remote high elevation area surrounded by the Gospel Hump Wilderness east of Grangeville (Map #1). The permit was split in 1988. Kemp received 0.04 cfs for 1 home as 77-7083B. The A portion for Filer was not claimed in the SRBA. That portion was recently cancelled as undeveloped.

I wrote to Kemp earlier this summer. In reply, I received a call from Jim Young, a family member (son-in-law?). He manages the property for Mrs. Kemp, an elderly widow. He described the development to me. He said the family uses the site rarely, no more than once a year. They fly in to the nearby airstrip.

I had driven to the site in the early 1990s on some other exam work. The road was very difficult but passable to a good 4x4 vehicle. Mr. Young provided enough information together with his permission for me to conduct a drop-by exam. I was in the area on 9/8/05 to conduct the exam. Due to a misunderstanding clarified that day by local Forest Service personnel, one now needs an ATV 4-wheeler instead of a regular 4x4 vehicle to reach the site. FS staff strongly advised against driving the jeep to the site.

Follow up research for a round trip single-day flight with about 3 hours on the ground revealed the cost would range from about \$650 to \$1400, far too expensive to consider for this minor permit. I then discussed the matter with Shelley Keen at State Office. We agreed that adequate information had been gathered to license the permit without onsite confirmation. After talking with Shelley, I again contacted the assessor's office to verify some information.

I misunderstood some of the existing information as follows: assessor records show the only platted property in that area is for Zehner at the St. Louis Mine area (Map #2A & 2B). I mistakenly thought Mr. Young told me that Kemp was included under the Zehner ownership, giving an exact location of the property in question. That mistaken assumption, together with Mr. Young's information provided to the department, was to be the basis for issuing a license without a site visit.

Instead I learned the following from the assessor GIS mapper, James Zehner (208-983-2742 x215):

1. He is one of the co-owners listed under assessor plat "Zehner" seen in Arc View tax lot search. He was onsite 9/22/05 doing fieldwork. Used his ATV to get there.
2. The area is unsurveyed for purposes of section corners. Private property there is linked to recorded mineral surveys, allowing an area to be calculated from those metes and bounds but not allowing accurate plat maps to be linked to assumed section corners unless one knows where all the mineral survey corners are located. He knows the location of the Zehner survey corners and was able to map that ownership. He is working with FS staff on finding similar corners for other owners and then completing the GIS mapping for other ownerships in the area. That is why the only assessor plat is for Zehner.
3. He calculated the Kemp property as 5.6 acres from the metes & bounds. He said the **Kemp property is in SWSW S23** about 1300 ft. west of the center of Zehner plat. He

77-7083 B
Attachment C
(2 pgs.)

has seen both Kemp cabins. He identified the cabins on the 2004 aerial photos available to IDWR (Map #3 & #4). Other nearby cabins are not Kemp's (other owners, other land).

4. Assessor records do not list buildings on the Kemp property but confirm about \$100,000 worth of property improvement. Zehner assumed this meant the cabins etc. He said it is not unusual for Idaho County Assessor records to not list buildings. Assessor records do not include any plat map of the Kemp property but do identify it as **Tax 6 Part of Survey 2256**.

Mr. Young provided adequate information to describe the creek and spring diversions and water use (Attachments A and B). The main cabin is seen in the center of SWSW – look for the rectangular green roof aligned along a NW-SE axis. The smaller hunting cabin is east of the main one and just west of the road (hard to decipher in photo but Zehner talked me through it based on his personal knowledge of the property). The creek diversion is close to the hunting cabin but west of the road (not the perennial stream seen on the topo). The spring is about 150 yards north of the hunting cabin. Therefore, it is assumed the spring is in NESWSW (Maps 3 and 4).

The topo and aerial photos include labels for road bend #1 and #2 for reference points.

Allow 0.04 cfs for both sources providing internal and external use for the main cabin (no water to the hunting cabin). The main cabin is labeled “main” on Map 3 and “#1” on Map 4. Adding a spring tributary to the same drainage does not constitute an expansion. It is reasonable to assume a spring and runoff stream can produce at least 0.04 cfs. Also, note the HP Equation for the creek diversion as follows:

$$hp = 1.5 \quad \text{psi} = 40 \text{ (assume for small domestic)} \quad \text{lift} = 50 \text{ (assume per topo)}$$

$$Q = \frac{8.8 \times 0.7 \times hp}{(2.31 \times \text{psi}) + \text{lift}} = \frac{9.24}{142.4} = 0.06 \text{ cfs}$$

External use at the main cabin (“yard irrigation” in Young’s reply noted in Attachment B) is probably just wetting of native vegetation. However, give the owner the benefit of the doubt and consider it as yard use, even though very limited in actual use.

Regarding the SRBA claim, Kemp’s B portion was covered under SRBA claim 77-7083A. The claim should probably be renumbered as B to remain consistent with water right information. Mr. J. B. Kemp is deceased. Stockwater is claimed but not part of the permit and does not need to be included. The claim can be amended/recommended to match the eventual license.

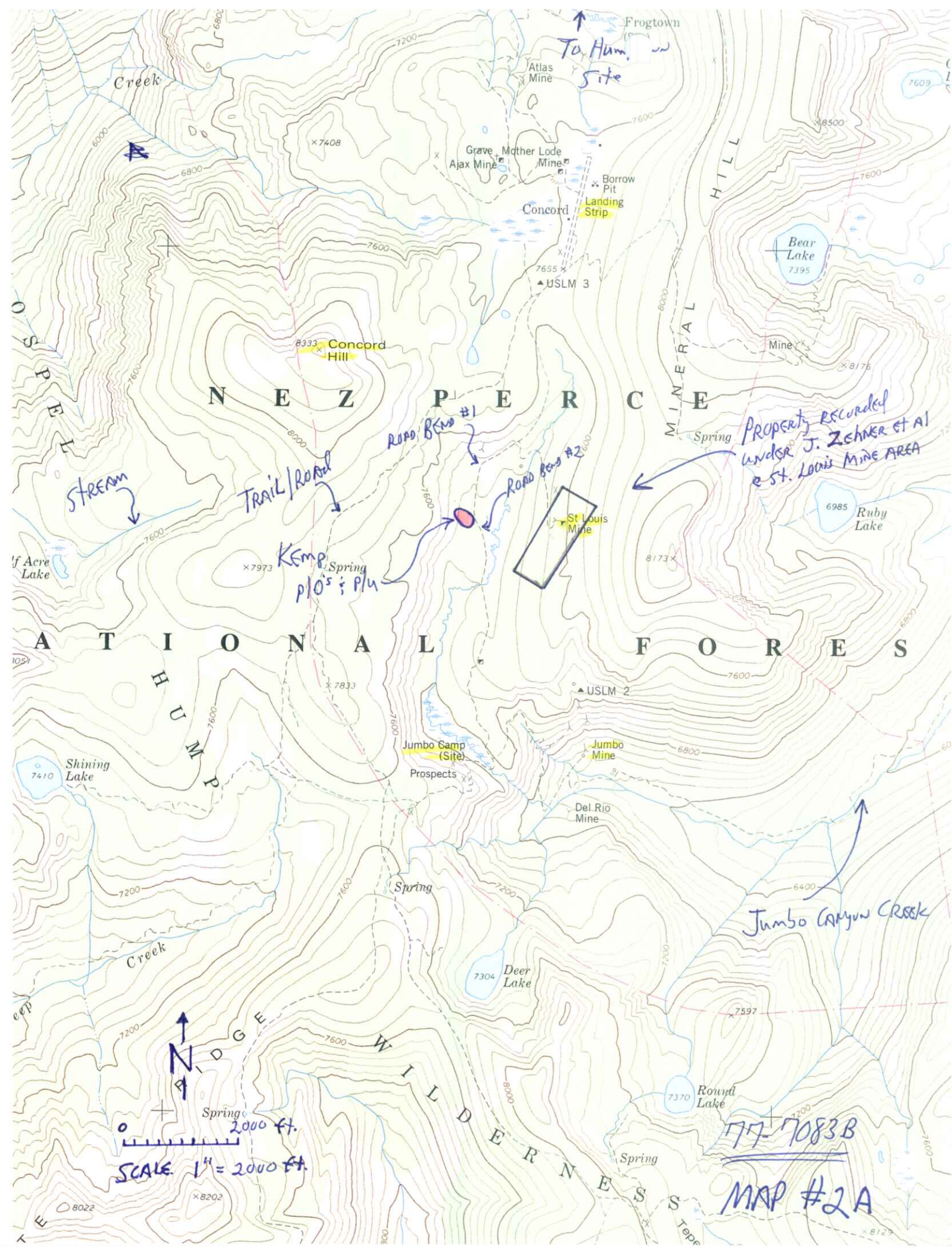
This is an unusual situation. The information is adequate to support license recommendations for a remote and hard to reach area far from any significant water developments.

NEED ATV
beyond this
point to reach
Hampton
AREA

ST. LOUIS MISSOURI
ZELNER et al
LOOKOUT

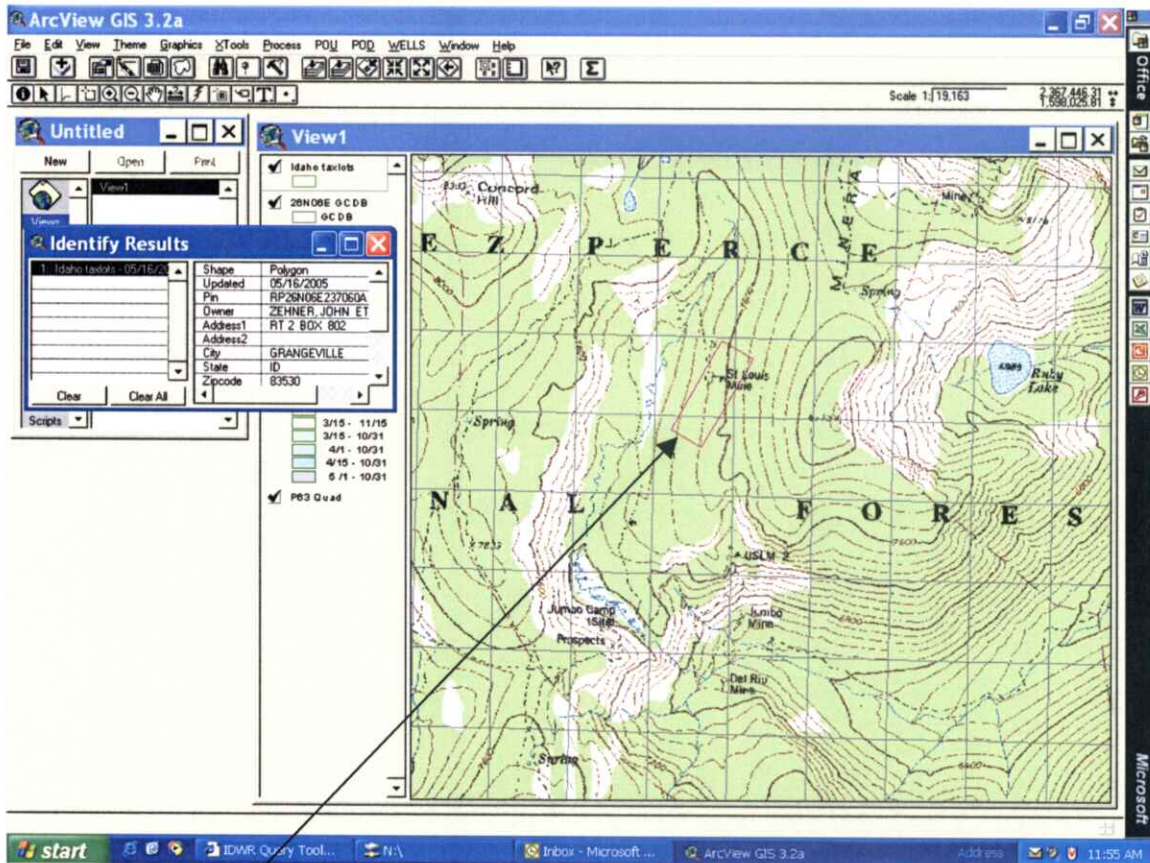
77-7083B

MAP #1



77-7083B

9/22/2005



ASSESSOR INFORMATION:

JOHN ZEHNER ET AL
RT 2 BOX 802
GRANGEVILLE ID 83530

PIN: RP26N06E237060A

SURVEY 1543 23.341 ACRES

ST. LOUIS, ST. LOUIS FRACTION

ROBBINS DIST

77-7083B

MAP 2B

to ↑
Airstrip

77-7083B

ROAD BEND
#1



77-7083B
Map #3

T26N, R6E, S23 - SWSW

Section lines
Quarter-quarter lines

Developed

- Spring
- Creek
- Main cabin (int. + ext.)
- ~~hunting cabin~~

all within 5.6 Acres
on Kemp property

0.1 0 0.1 0.2 Miles

blue - section yellow 1/4 1/4

Main
hwy

ROAD
BEND
#2

↑
TO
AIRSTRIP

T26N, R6E, S23 - SWSW

Kemp
CABINS {

#1

#2

ROAD BEND #2

NOT
Kemp

77-7083 B

MAP #4 shows
SWSW S. 23