

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 81-11980

Exam Date: 5/15/2012

1. Current Owner: US DEPT OF AGRICULTURE
US FOREST SERVICE
CLEARWATER NATIONAL FOREST
12730 HWY 12
OROFINO ID 83544 9333
(208)476-4541
2. Accompanied by: Intra-Office field examination, using information from Joe Bond, Head Engineer Grangeville Forest Service Office (208)476-4541; Chris Starr (208)378-5329; Scott Marshall (208)378-5321; and emails from: Zilia Lewis slewis@fs.fed.us and Susan Graves sgraves@fs.fed.us

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None. 81-7118 & 81-7119 State of Idaho are both fish propagation from the river; 81-7154 State of Idaho, Domestic, with White Sand Creek source is not a source for the cabin and RV connected with water right 81-11980.
2. Other water rights with the same point of diversion: None.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4NE1/4 Sec. 34, Twp 37N, Rge 14E, B.M. IDAHO County

Method of Determination: email submitted by Susan Graves sgraves@fs.fed.us with the POD marked on the map

2.

PLACE OF USE: DOMESTIC

Tw	Rge	Sec	NE				NW				SW				SE				
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>Totals</u>
37N	14E	34			X														

Method of Determination: ArcMap 2011 and Bing 2012, to outline the area where the cabin/building and RV are located, and Joe Bond, Head Engineer Grangeville Office (208)476-4541.

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. (UNKNOWN)
- ☒ 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

<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 Size</u>
D0040685, submersible	Unknown		Unknown	Unknown	Unknown

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

D. FLOW MEASUREMENTS

1. Measurements:

Well Drillers Report: 5gpm X 0.00223 = 0.01 cfs (no time shown for how long it was tested).

It seems hard to believe that a 6 inch casing, 400 ft well would be drilled so close to the river, and only produce 0.01 cfs. Unless the Forest Service can submit additional information that would show the diversion rate being higher, I

RECOMMEND ALLOWING 0.02 cfs for Domestic internal only use.**E. VOLUME CALCULATIONS**

1. Normally for Domestic internal use only, the IDWR standard would be use (0.6 af), but since condition 071 is listed on the permit, the volume is not listed, leaving the 13,000 gpd as the limiting factor.

F. NARRATIVE/REMARKS/COMMENTS

This field exam is an intra-office field examination, with information obtained on 5/15/2012 from Joe Bond, Head Engineer at the Grangeville Forest Service Office (208)476-4541; an October 18, 2012 email from Susan Graves; a November 30, 2012 email from Zilia Lewis, and phone conversation on 12/2/2012 from Chris Starr (208)387-5329 and Scott Marshall (208)378-5321. The Picture of the POD and aerial POD location was submitted by Susan Graves. The well was drilled 9/15/2005 by Two U Drilling No. 125, D0040685, permit No. 836012. The well is a 6 inch casing that extends 18 inches above the ground, is 400 ft deep, 26 ft static, and on the drillers report indicates 5gpm (0.01 cfs). Where the well is located is the Powell Facility (common name Walton Fish Hatchery). There is no other information on the well, discharge size, psi, size buried pipe to the cabin/building and RV that use this well. Use is internal only. There is no supplemental water to these 2 connections.

Have conditions of permit approval been met? ☒ Yes ☐ No**G. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
DOMESTIC	01/01 to 12/31	0.020 CFS
<u>Totals:</u>		0.020 CFS

2. Recommended Amendments

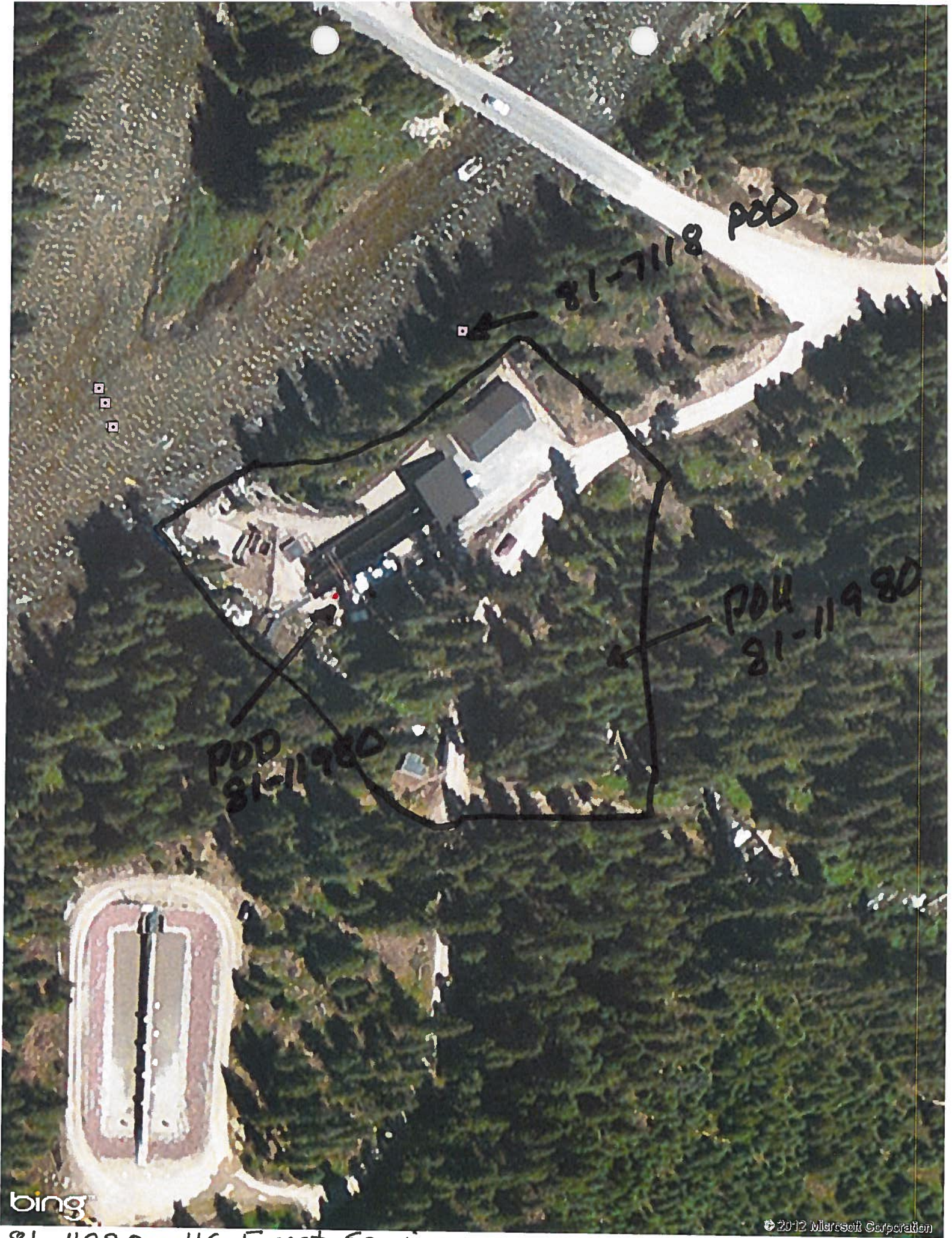
___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None

___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

H. AUTHENTICATION

Field Examiner's Name

Jandy Hemmaway Date 12/2/2012



81-7118 PDD

PDD
81-11980

PDD
81-11980

Idaho Department of Water Resources

Listing of Driller Reports

Contact	Use	TWP	RNG	SEC	Tract	Gov. Lot	WellAddress	Sub	Bl	L	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number
LOWER SNAKE RIVER COMPENSATION PLAN	Domestic-Single Residence	37N	14E	34	SWNE		1 MI S HWY 12 ON ELK SUMMIT RD IN POWELL				5	26	400	-28	6	9/15/2005	836012	D0040685
Related Documents																		

• Well Seal

From Depth	To Depth	Material	Amount	Method
0	28	BENTONITE	450#	TOP POUR

• Well Screen

Type	From Depth	To Depth	Slot Size	# of Slots	Diameter	Perforation Method	Screen Type	Material	Installed Flag
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• Well Casing

From Depth	To Depth	Diameter	Type	Gauge	Join Type	Material
-20	-400	4.5	Liner	0.16		PVC
2	-28	6	Casing	0.25	Welded	STEEL

• Well Lithologic Layer

Bore Diameter	From Depth	To Depth	Water	Color	Material	Texture	Descriptor
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• Construction Details

Drilling Company	License Number	Metal Tag Number
TWO U DRILLING LLC	125	D0040685

Hemenway, Sandy

Subject: FW: 81-11980 Walton Fish Hatchery (common name) US Forest Service

From: Lewis, Zilia -FS [<mailto:zlewis@fs.fed.us>]

Sent: Friday, November 30, 2012 7:54 AM

To: Hemenway, Sandy

Cc: Graves, Susan R -FS

Subject: RE: 81-11980 Walton Fish Hatchery (common name) US Forest Service

I don't know for sure who you can contact directly at the Walton Fish Hatchery, however, the case file has a couple of name you could call who to get a direct contact.

Chris Starr: 208-378-5329 *4m 12/2/2012*

Scott Marshall: 208-378-5321 *referred me to Jerry McGehee.*

Jerry McGehee Fish Hatchery Mgr. (208) 476-3331 4m 12/2/2012

I'd start with Chris, both are in Boise, but Chris worked with the Forest during the time the well was put in so he may be able to help. ziila

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]

Sent: Thursday, November 29, 2012 1:26 PM

To: Lewis, Zilia -FS

Cc: Graves, Susan R -FS; Hemenway, Sandy

Subject: RE: 81-11980 Walton Fish Hatchery (common name) US Forest Service

Zilia,

Could you please give me the name and phone number for the contact person at the Walton Fish Hatchery, or the person who is in charge of the well there? I still have questions that have not been answered, so I am not able to license water right 81-11980 yet.

- (1) Make/Model/Serial number of submersible pump.
- (2) Hp of pump
- (3) Size of discharge
- (4) At what psi is the system run at?
- (5) Size and type of pipe to the buildings that use the water.
- (6) Is this well used for anything else, beside internal use for the 2 offices/buildings? *No.*
- (7) The drillers report indicates that they measured 5 gallons per minute (0.01 cfs) at the time the well was drilled.
Can you please take a physical measurement from this well for a more current measurement (measure how long it takes to fill a 5-gallon bucket)? *winterized, cannot take a measurement*
- (8) Does the Place of Use have a PWS# (public water system number)? If so, what is it?
a) POU is for 1 building/cabin + 1 R.V. (2 connections), per Chris Starr 12/4/2012 S.H.

Thanks,

Sandy Hemenway, IDWR, State Office
(208)287-4920

Hemenway, Sandy

From: Graves, Susan R -FS [sgraves@fs.fed.us]
Sent: Thursday, October 18, 2012 11:47 AM
To: Hemenway, Sandy
Cc: Lewis, Zilia -FS
Subject: RE: 81-11980 Walton Fish Hatchery (common name) US Forest Service
Attachments: IMG.pdf.pdf; DSC01944.JPG

Here are as many answers as I can get, or figure out. I hope it helps, Zilia may be able to give you the contact information for the Fish Hatchery.

Susan R. Graves
Program Manager
Facilities and Watershed Engineering
Nez Perce-Clearwater National Forests
208-476-8207

From: Hemenway, Sandy [<mailto:Sandy.Hemenway@idwr.idaho.gov>]
Sent: Tuesday, October 09, 2012 11:02 AM
To: Hemenway, Sandy; Graves, Susan R -FS
Subject: RE: 81-11980 Walton Fish Hatchery (common name) US Forest Service

Hi Susan,

How are things coming with answering the following questions, and documenting the Place of Use and Point of Diversion, plus distribution location on the map sent in September? If you have any questions, please give me a call (208)287-4920.

One question I did forget: Does the Place of Use have a PWS# (public water system number)? If so, what is it?

Thanks,

Sandy

From: Hemenway, Sandy
Sent: Wednesday, September 26, 2012 12:04 PM
To: sgraves@fs.fed.us
Cc: Hemenway, Sandy
Subject: 81-11980 Walton Fish Hatchery (common name) US Forest Service

Hi Susan,

Here are the questions I need answered, if possible:

- (1) On the attached map, please indicate the location of the well.
 - a. See Attachment

- (2) On the attached map, please outline the place of use.
- It appears to be used only for the office, the rest of the site is landscaped as the rest of the forest, it does not appear to be any grass or otherwise irrigated outdoor space.
- (3) If you have a copy of the drillers report, please send a copy or scan it and send it as an attachment.
- Drillers report in in the IDWR Database, however my computer will not read the file. Could probably be requested by your office.T37N, R14E, Section 34
- (4) If no well drillers report is available, do you know when the well was drilled, and by whom?
- Well Driller was Two U Drilling LLC
- (5) What make/model and or serial number is the pump?
- You will need to contact the Fish Hatchery directly to get this information
- (6) What Hp is the pump?
- You will need to contact the Fish Hatchery directly to get this information
- (7) What is the discharge size?
- You will need to contact the Fish Hatchery directly to get this information
- (8) Please describe the entire distribution system, and how property is irrigated.
- None, used for the office only
- (9) What is irrigated i.e. yard, trees, garden, etc. Please describe.
- None
- (9) Number of homes, mobile units or buildings on this system:
- Two buildings utilize the water.
- (10) Is there any supplemental water used?
- Yes it appears as if water from the river is used for the fish hatchery and returned to the river.
- (11) Is this well used for any other uses, besides domestic internal/external use?
- You will need to contact the Fish Hatchery directly to get this information
- (12) Can you take and send a picture of the point of diversion (the well)?
- See attachment

- (13) Can you take and send a picture of the place of use (area irrigated, and buildings that are used by this well)?
- a. There was none.
- (14) What is the diameter of the well?
- a. Appeared to be an 8" diameter well casing above ground that was fenced off so could not get close enough to measure.
- (15) How many inches is the casing above ground level?
- a. Well was fenced off so could not get close enough to measure but I would have guess about 16".
- (16) At what pressure (psi) is the system run at? << File: DOC.pdf >>
- a. You will need to contact the Fish Hatchery directly to get this information

Thank you so much for working with me, I really appreciate it.

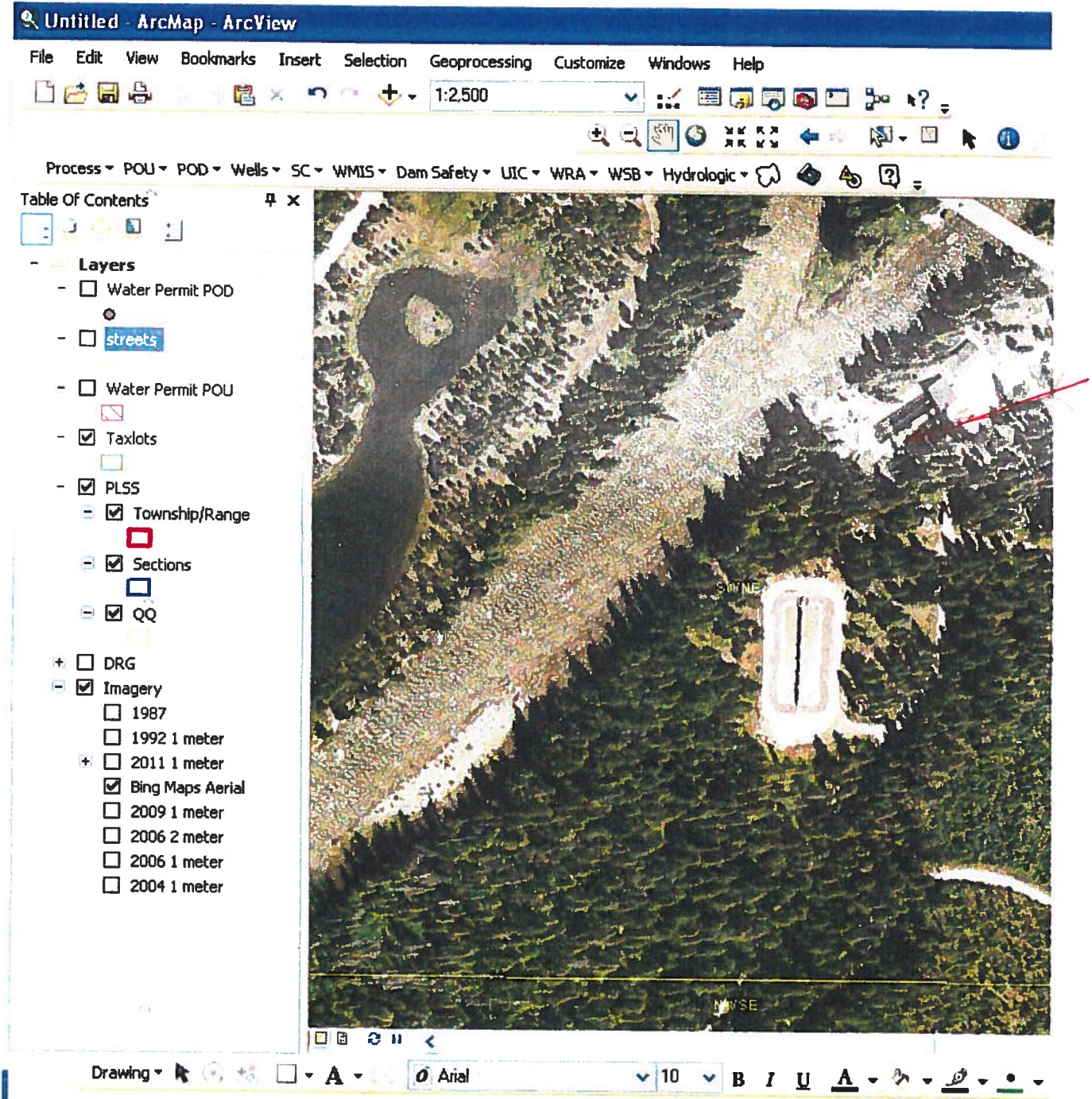
Sandy Hemenway

Sr. Water Resource Agent
IDWR/State Office
PO Box 83720 or 322 E. Front St.
Boise, ID 83720-0098
OFFICE: (208) 287-4920
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Graves, Susan R -FS

From: Hemenway, Sandy <Sandy.Hemenway@idwr.idaho.gov>
Sent: Wednesday, September 26, 2012 11:07 AM
To: Graves, Susan R -FS
Cc: Hemenway, Sandy
Subject: 81-11980 screen shot, in the event acrobat file can't be opened



Construction was completed by U.S. Army Corp of Engineers under
 special use permit of 03-02-88
 Security fence added in 2002
 Domestic water well added in 2006

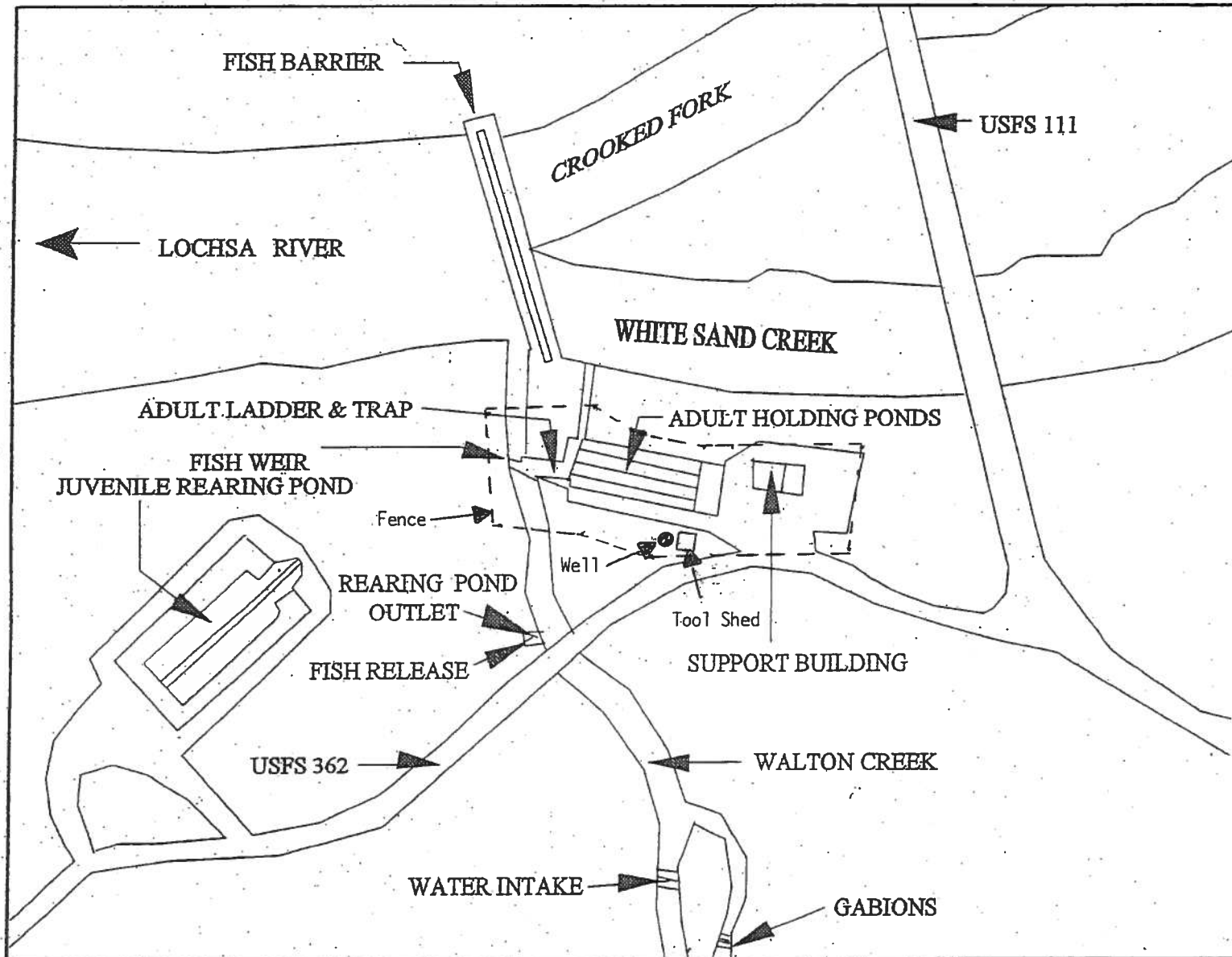


FIGURE 2. POWELL FACILITY

EXHIBIT B - Site Map
 U. S. Fish and Wildlife Service, Authorization POW70

