

Edl, Michele

From: Steven Burk [sody1@msn.com]
Sent: Monday, July 05, 2010 12:44 AM
To: Edl, Michele
Subject: FW: additional information request/ Pond and its Wier control valve 2 Of 2
Attachments: 100_0983.JPG; 100_0990.JPG; henrys lake lodge .jpg

Michele.

This is the second set of pictures of the pond with its separate three unnamed Springs. As you can see from the location of the pond, there is a 250 foot separation from the Lodge and the pond. The pond is fed its water from an entirely different set of springs. The Hatchery Stream originating from the spring box runs down along the east side of the lodge building, while the three unnamed Springs feeding the pond all come from the west side of not only the lodge itself, but also from the westside of the pond. These two spring systems are separated by approximately, plus or minus, 500 feet, and never flow into each other. If you will look at the aerial photo, which I sent to you in an earlier e-mail, and have included again here, I think you can identify the spring box located up hill and to the right, or East side of the lodge, and also the three unnamed Springs that feed the pond, which all originate far to the west side of the lodge building which feeds the large stand of trees uphill from the pond.

I hope this helps you. Steve

Subject: additional information request
Date: Wed, 30 Jun 2010 18:45:57 -0600
From: Michele.Edl@idwr.idaho.gov
To: sody1@msn.com

Mr. Burk,

The narrative in the field examination report for your Permit 21-7566 is very brief and doesn't contain all the information I like to see. That makes licensing more difficult but I believe that I will be able to bring this permit up to license status. I do need clarification on a few points.

I understand that your domestic water use (Decreed Right 21-12384) and the IDF&G fish propagation use (Decreed Right 21-2100) come from the same source and have the same point of diversion as this hydropower use.

- 1) Are there two separate pipes conveying water (one for your domestic and one for your hydropower) from the shared spring box to the collection vault in the basement of the Sherwood Museum?

This permit lists 'unnamed stream' as the source. Your proof of beneficial use statement lists Hatchery Stream as the source.

The IDF&G Decreed right (21-2100), lists: unnamed stream, and Sherwood Springs Creek (aka Hatchery Creek) as the sources.

Without an official USGS-given name, the Department's policy is to list the source as 'unnamed stream'.

- 2) I need confirmation that your rights and the IDF&G right are from the same source even though that source appears to have several local names.
- 3) Does the micro-turbine discharge back into the same stream channel that the water was diverted from originally or are the source and discharge streams two different streams?

One condition on your hydropower permit requires that a measurement device be installed. Engineering rods or scales are visible in the file photos for both the shared spring collection box and the basement collection box

- 4) Are there other measurement devices installed?
- 5) How are the scale readings used to manage your system?
- 6) Are measurements recorded?

I do not have dimensions for either collection box. I would welcome them if you can provide them.

Your power generation system doesn't appear to have a DC battery bank for storage of excess power. However, file photos show that you have some water storage available by way of the museum's basement collection vault. I am assuming that the stored water can be used for either domestic or power.

- 7) How much storage does the basement vault provide?
- 8) Does it take more than 24 hours to fill?

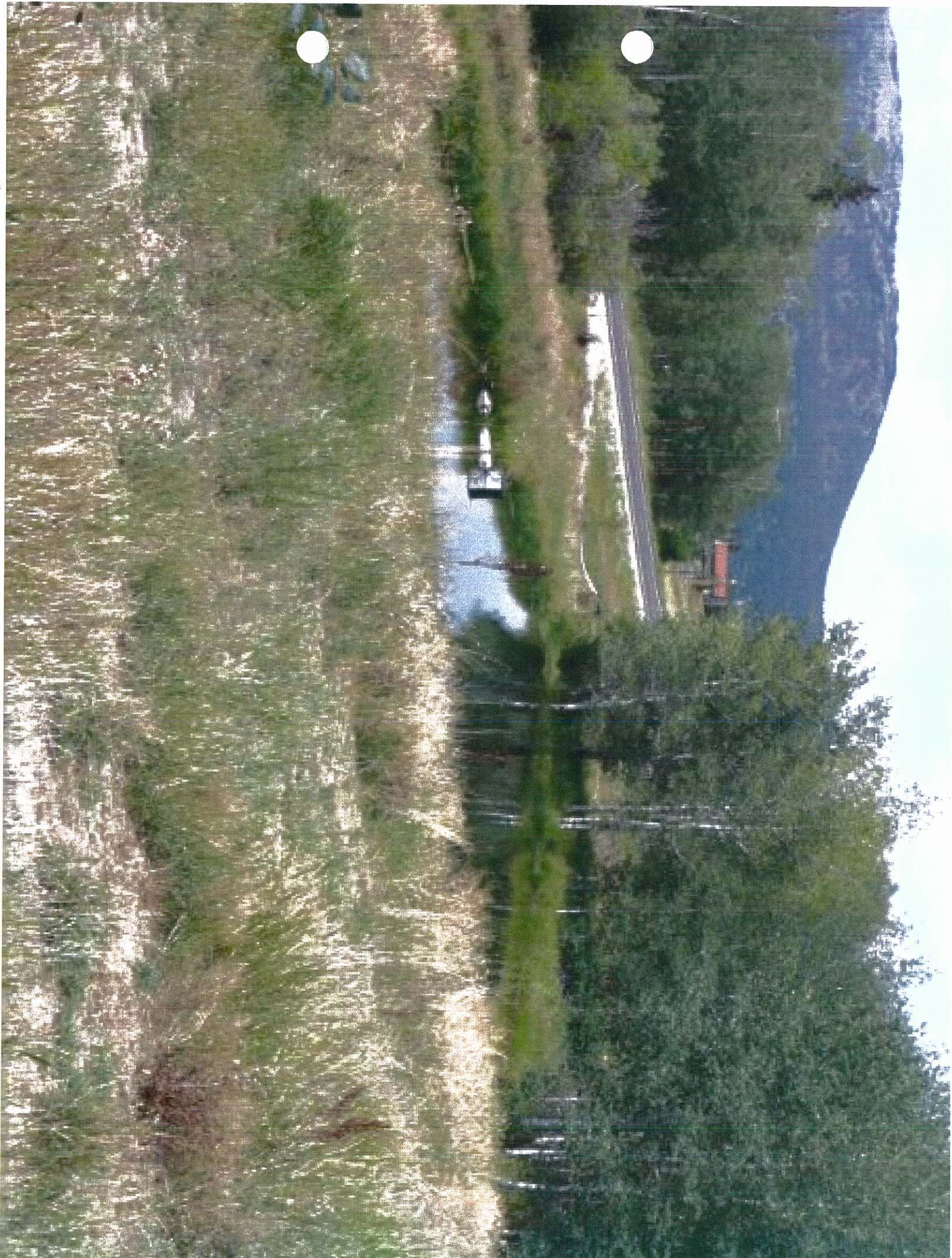
I am scheduled to work a full week, this preholiday week and would be willing to phone you for a question and answer session if that would suit your schedule better. I have 208-542-6382 as a possible phone number to reach you.

If I don't hear back from you before Friday afternoon, have a happy and safe holiday. I will resume the review and processing work of this permit on July 6th.

Sincerely,
Michele Edl
208-287-4946

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