

Edl, Michele

From: Hemenway, Sandy
Sent: Monday, November 28, 2011 7:49 AM
To: Edl, Michele
Cc: Hemenway, Sandy
Subject: RE: field exam 78-7346

The shape looks good (back then we didn't have ArcMap and only had topo maps to use, in addition to not having GPS). No fish propagation was found at the time of the field exam. The pond could be on the license though as Aesthetic, and an amendment to the license could be sent out (There were fish in the pond, and I did include the size of the pond on the field exam 20'X30'X3'). For that you would need to include the shape of the pond (I've attached an area for the pond).

There is a buried 1 1/4" ABS line that runs 0.2 miles east then south 0.2 miles, then splits with one line going to the House#1/shop#3 (shared), and one line going to house #2. The owner did not know the size of the line coming into the house, but I would assume that it would be 3/4" for each split (after doing so many now in the past). It looks like they scanned 2 copies of a field exam report, and one didn't include my narrative, which is found further down in the report.

According to my pictures included with the field exam, I took a temperature reading and it matched the well report at 155 degrees F, with the effluent discharge at the house being 130 degrees F.

Hope this helps. If you have any further questions, let me know.

Sandy



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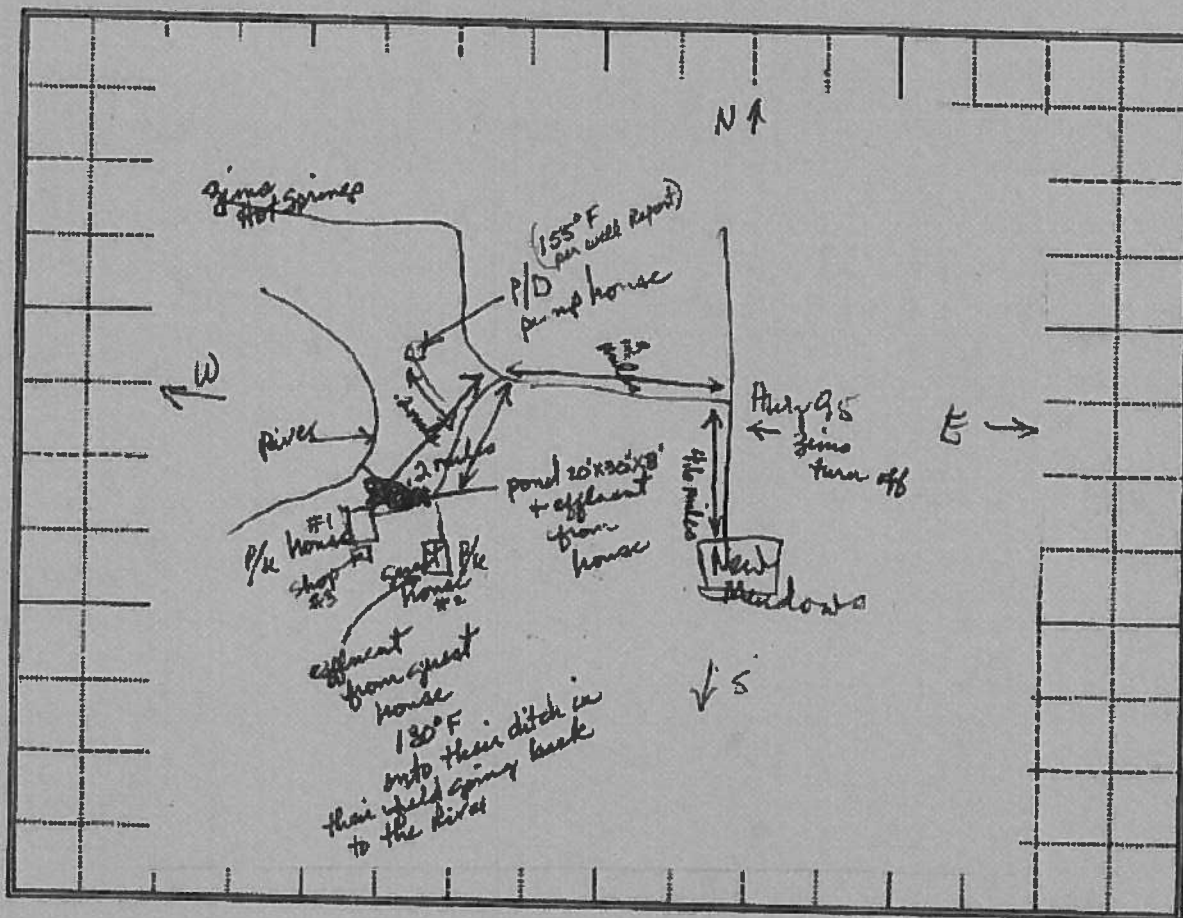


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3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.D. as applicable.



Scale: 1" =

Copy of USGS Quadrance Attached. Screen location not

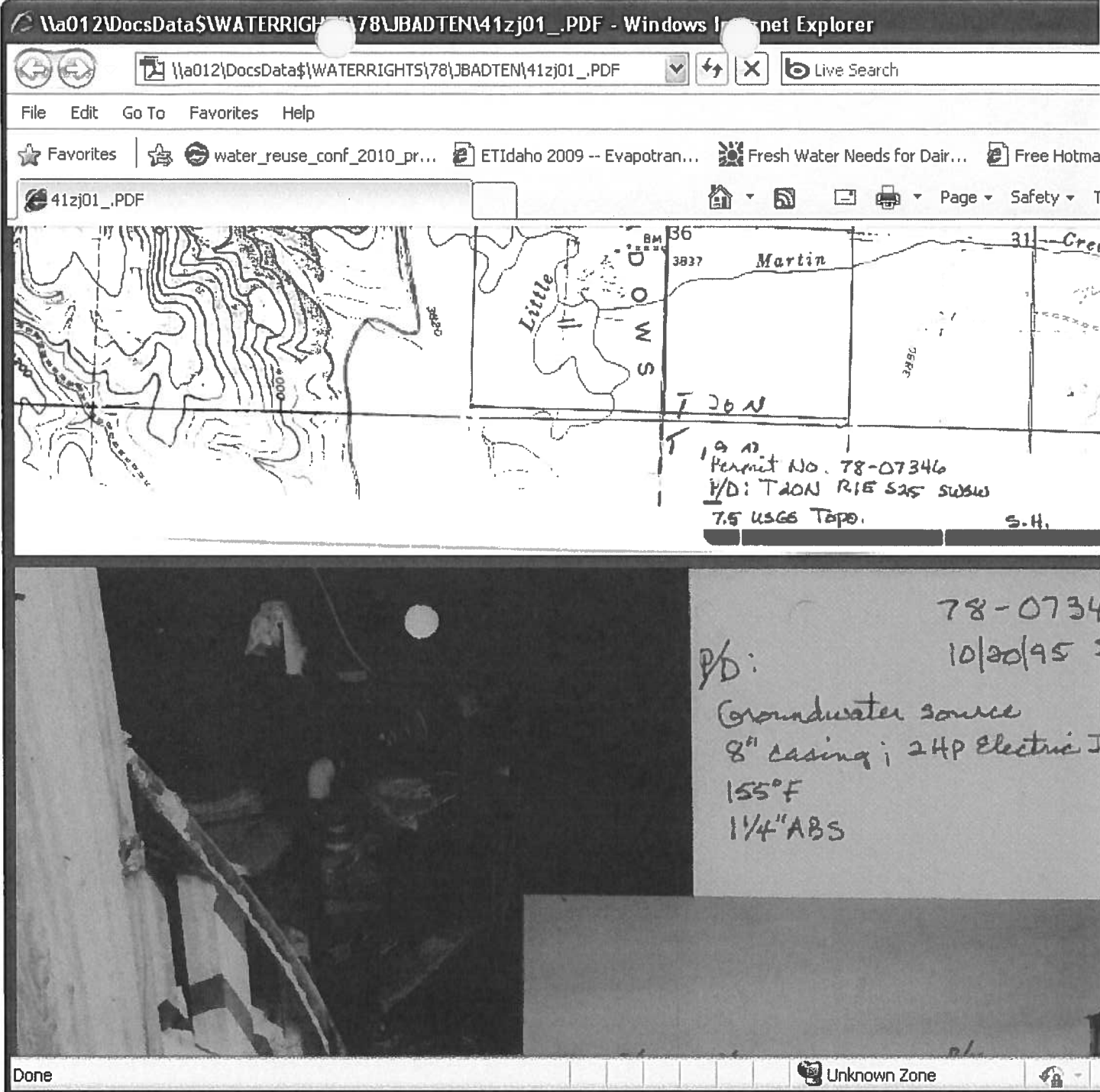
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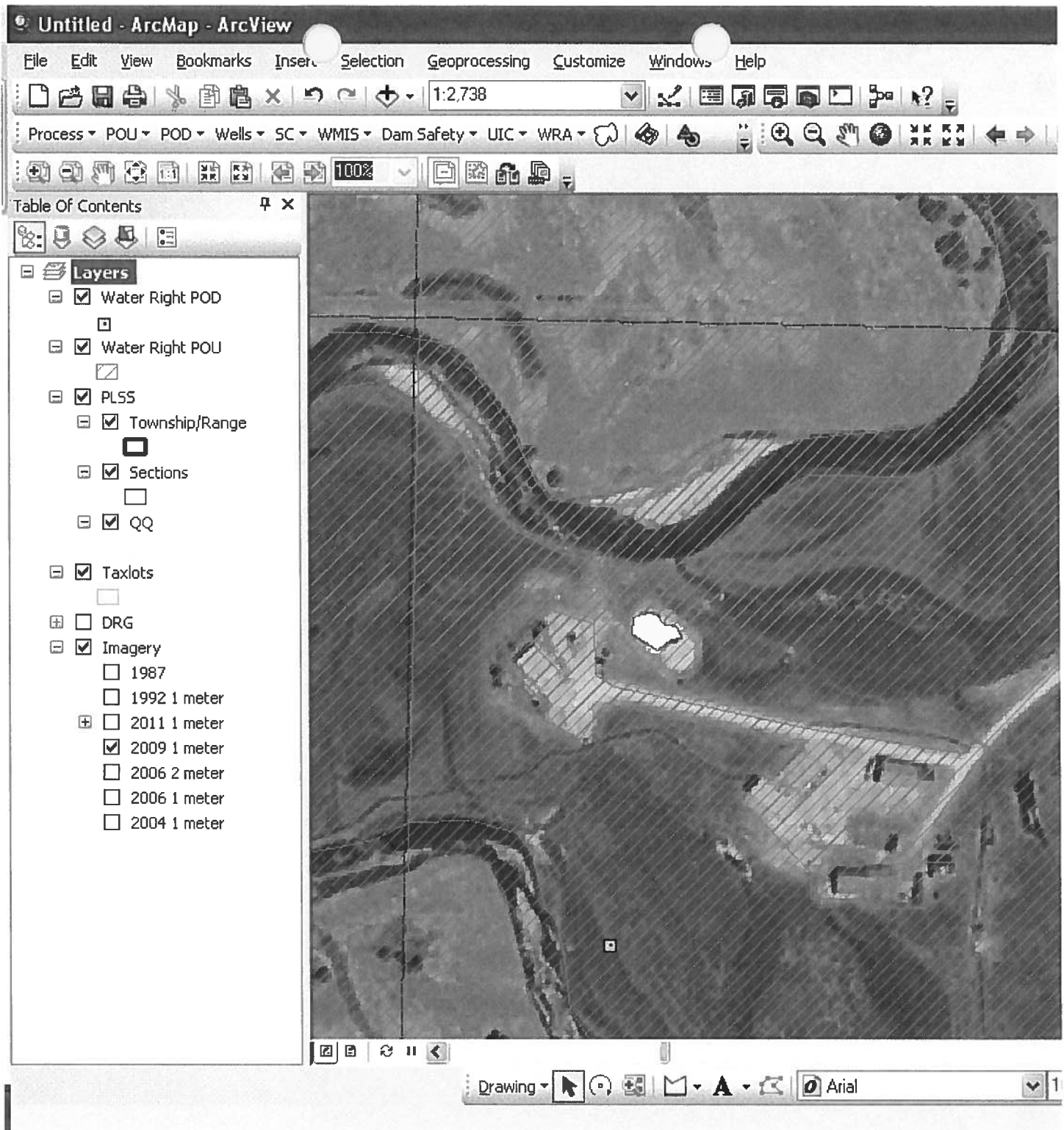
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E. NARRATIVE/REMARKS/COMMENTS

- Other WR: A78-02071C (Little Salmon), A78-10171a (Ground water - internal), A78-04114A (Martin Creek), A78-10248 (Spring), A78-04114C (Martin Creek).
- Overlaps for P/D are other sources; overlaps for P/H are other land &/or other uses.
- No grant. Lots were wound.
- Use is heating (& hot water) for 2 houses & a shop, ~~the~~ ~~fish propagation~~ is being carried on as a ~~large~~ ~~fish propagation~~.
- Other water sources: domestic ~~and~~ - water well ^{3 HP electric jet}.
- The system consists of a groundwater source, 8" ~~with~~ ^{discharge} a temperature at the source of 155°F, 1 1/4" ABS discharge to a 2800 sq. ft house, a 900 sq. ft ~~shop~~ ^{house}, & a 750 sq. ft shop, going into the crawl space, with ducting throughout the buildings. The shop also has radiators w/fans. The system is a direct need-be flow through system, with no additives or treatment done to the water. The return water from the house & shop discharges into a pond @ 0200s & 130°F; the discharge from the 2nd house goes out onto

Done

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From: Edl, Michele
Sent: Friday, November 18, 2011 6:09 PM
To: Hemenway, Sandy
Subject: field exam 78-7346

Hey Sandy,
 I am looking at the field exam that you did for this right in 1995. Hope you have a good memory!
 Its a relatively simple geothermal use, so maybe we can get it licensed this month. I've got a couple questions.

- 1) I made POD and POU shapes today. I'm rusty with drawing so it would be great if you would confirm those for me.
- 2) I'm not sure how diversion/distribution piping is laid out. I am assuming that its buried in a pretty straight line from the pump house to the residence lot. Once it gets there, is there a manifold with 3 trunk lines (one for each use you found) or does the #1 house and shop share a single pipeline?
- 3) By any chance, did you take a temperature measurement of the water at the pump house?

I have the file in my cube, if you want to see it up close.

Thanks

Michele