

FIELD EXAMINATION OF CSRBA WATER RIGHT CLAIM

Claim Identification Number: 92-4130, 92-7141, 92-7206, & 92-7212

Date of Examination: 5/19/2016 & 5/20/2016

Approximate Time of Examination: 10:35 am (both days)

IDWR Field Staff: Evan Roda, Linda Werner

Point of Contact: Gary Hagen (509)295-1290

Examination Location: 517 Middle Fork Santa Creek Rd, St. Maries, ID 83861

Purpose of Visit: Locate PODs, springs, and ponds. Assess water diversion systems. Acquire any possible evidence of priority. Gain further details about water use on property.

Field Examination Notes:

Claimant, Gary Hagan, met with Linda and I and did his best to show us around the property. Assessing the complexity of the water diversion systems was an extreme challenge, as all the water lines are buried and the new property owner, Mr. Hagan, is unfamiliar with the systems. There are seven wells throughout the property and it is clear that they were used to supplement the water systems, but it is unclear to what extent.

92-4130

- General – Being that this is a b-use claim, we just need to grab all the regular things we grab during a field exam, but I have identified some specific questions/discussion topics below.

1. We need Evidence of Priority

Mr. Hagen said he would obtain signed affidavits from neighbors to support priority date.

2. Need a measurement if possible – system capacity

Measurement not possible. No water flow into cistern at time of examination.

3. How many springs?

- The original Stat claim says 3 springs?

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Mr. Hagan was unaware of the spring locations. After expansive searching, the springs could not be located. A small plastic conduit pipe was observed running into the concrete cistern from a nearby well at the southeast side of the home. The well water may have been used to fill the cistern when flows from the springs were insufficient.



Pump House



Cistern, pump, and pressure tank
(not connected)



Black plastic conduit into cistern and out the pumphouse



Plastic conduit from cistern up and over hill towards well on south side of home



Conduit runs from cistern to connection point at well

➤ Domestic:

4. Is the spring water still used for domestic use?

- If not, when did it stop?

- **Discussion:** The well was drilled in September of 1979. The statutory claim was filed in 1983. So we would assume that the spring was being used for domestic purposes in addition to the well. But, since they had a well, how did the well and spring water relate to each other?

Water does not currently appear to be any water connected to the home, but pipe stubs are visible beside the home where it could be connected. It is unclear if those pipes are connected to spring or groundwater.

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5. Is the spring water used for Internal and/or external (domestic)?

That is unclear and the current owner of the property does not know. Water spigots are coming from ground in many places around the property, and also near the home. Those may be connected to the wells found throughout the property.

6. Need System diagram

Water system unclear (buried) and current owner is unaware of its historical development.

7. Need POD and POU location

Linda and I searched the area extensively but were unable to locate any of the claimed springs. As mentioned in question (3), a water line was found connecting the cistern to a nearby well. Roof of pump house containing cistern is visible in satellite imagery.

➤ Irrigation:

8. Is the spring water still used for irrigation?

- If not, when did it stop being used?
- Is the irrigation use ½ acre or less?
- Can we call it external domestic?

It does not appear that the spring water is being utilized for irrigation purposes. Wells may now be supplying the irrigation water, but the system design is unclear and the lines are buried.

9. Where is/was the irrigated acre claimed?

There is a garden area adjacent to the home on the east side, and also some overgrown garden beds and fruit trees northwest of the home.

10. Need System diagram

Water system unclear (buried) and current owner is unaware of its historical development.

➤ Fish Propagation:

11. How is the spring water being used for Fish Propagation?

- **Discussion:** The priority date claimed predates any licenses therefore it had to stand on its own (rather than providing supplemental water to one of the other Fish ponds).

Historically, the spring water may have been used to maintain water levels in the two small ponds on the west side of the home. Currently, no spring water supply could be located. There is a water line from one well on south side of home into the cistern in the pump house, and another large water line (approximately 4 inch) running from a different well northwest of the home down to the smaller of the two ponds.



Large water line running from pond through trench up hill



Pipe runs up trench from pond to a T, one side leading to spigot and the other towards a nearby well. Cannot confirm the connection to the well, as the line is buried.



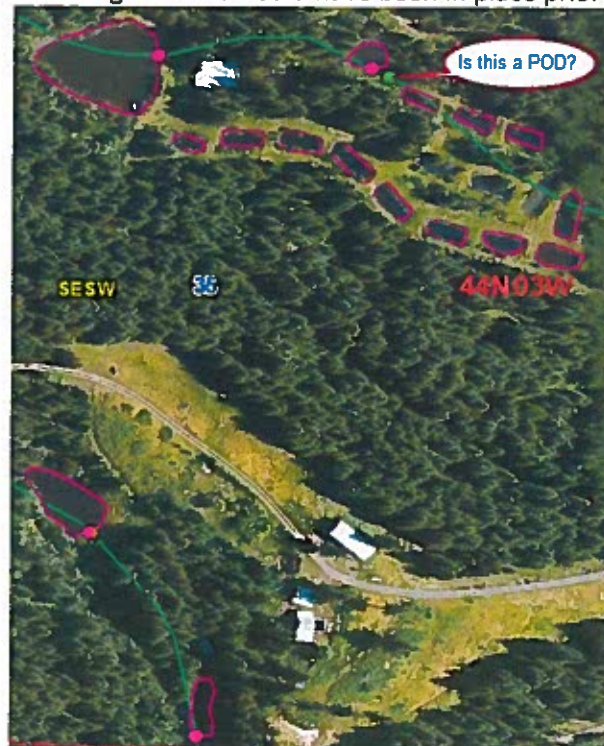
Well located northwest of home with control valve on pipe of same diameter as the one running down the hill to the pond. No conformation on where this pipe actually leads though.

92-7141

➤ How many POD's?

Discussion: The license lists one POD in the SESW of S35 and then states in the remarks that there are 4 POD's located in the SESW of S35. There are at least 4 on-stream ponds which account for 4 PODS. But, the map in the WR file shows a 5th POD from a 48" dike diverting water into the raceways?

Question(s): I am wondering if we need to add a 5th POD to the recommendation and call it an accomplished change since it would have been in place prior to 2006?



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The mapped PODs appear to be correct. The ponds are on-stream, so the 4 PODs are correct. The stream channel of the upper ponds runs down from the brood stock pond and just north of the raceways just inside the tree line down to the largest reservoir. The 48" dike passes flow from the "brood stock pond" into that channel. Water must have been pumped from the brood stock pond into the raceways below at one time.



Seepage from toe of dam (pond 1 on map) flows down draw into lower pond (pond 2 on map)

92-7206

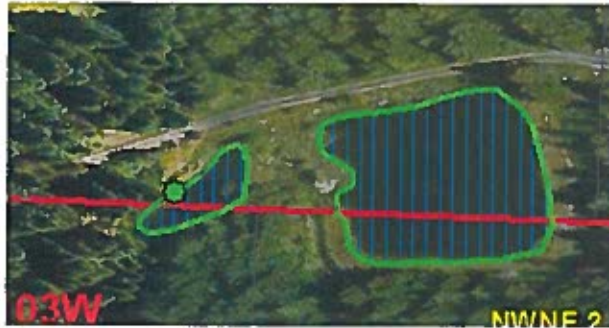
- How many POD's

Discussion

The license identifies 2 POD's. One is from the 48" dike that diverts water to the raceways.



The other 1 seems to be on the smaller of the two ponds to the south. But Field exam notes say that the two southern ponds are "onstream" so there should be a diversion point on each pond if that is the case?



Question(s): Should there be a POD on the big pond?
Where is the natural stream channel?
Should the POD on the smaller pond be in a different location?

➤ POU/Pond boundary

Discussion: Two ponds extend below the QQ line into T43N, R03W.

- The larger pond falls on property owned by **Bennett Lumber Products Inc.**
- The smaller pond falls on property owned by **Juergen Nolthenius.**

Question(s): Is this an error in the GIS imagery?

- Need to take a GPS point on the south side of both ponds to verify where they are in relationship to the boundary b/w T44N, T03W and T43N, R03W

The 48" dike appeared to only pass water into the natural channel, which then flows down to the largest reservoir. A wooden structure on the bank of that pond may have supported a diverting pump at one point, but none is there now. The two lower ponds are located at the end of a small stream channel which enters the smaller pond on its far west end. Water then passes through a spillway on the northeast corner of the pond through a short channel and into the larger pond. The water then flows out of the larger pond from approximately the middle of the west side of the pond and follows a channel southeast into a natural channel. This water course can be seen in the imagery. Two wells are located on the east side of the larger pond. There is a PVC pipe approximately 6" diameter running underground from one of the well locations into the pond, and a 2" PVC pipe running underground from the other well location into the pond.

GPS point taken at south edge of Pond 3: N 47°06.498'
W 116°40.941'

GPS point taken at south edge of Pond 4: N 47°06.500'
W 116°40.876'

GPS point taken at surveyed corner of SW 1/16 S 35: N 47°06.708'
W 116°41.154'

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Surveyed marker and cap of SW 1/16 S 35



Pipe into pond and nearby well. (power box visible in both)

92-7212

➤ General

1. Need to GPS POD's

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- The attached pic shows a best guess according to the license file, but this is the one we really need to locate where the POD's and POUs are:



➤ Recreation storage is a licensed purpose of use.

1. Where is the Recreation Storage pond?

Recreation Storage Pond Location: N 47°06.693'
W 116°41.096'

2. Recreation use is for?????

Currently, the "pond" is empty and contains approximately 8 inches of standing water. There was no clear path to access to the pond and I had to fight through brush to get to it.

3. Is this on-stream?

- If not, we need to locate the POD

There is a small draw directing runoff or seasonal flow into the pond depression. There is hardly a defined channel so it is likely to be only very minimal intermittent flows.



Recreational storage pond (looking down draw which feeds it)

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➤ Domestic Use

1. Where are the 2 domestic homes?

The two small domestic cabins are visible in satellite imagery. Their GPS locations are as follows:

Cabin A: N 47°06.690'
W 116°41.008'

Cabin B: N 47°06.696'
W 116°41.142'

2. Is water piped to both homes still?

The concrete cisterns pictured in the original license exams could not be found. There are PVC pipe stubs coming from ground near the cabins and also one water spigot and control valve at Cabin B. No water is currently connected to the homes. The "pump house over shallow concrete cistern" pictured supplying water to Cabin A on the property diagram is no longer there. Only a dry concrete cistern remains.



Concrete cistern depicted on property diagram, but pump house is gone

3. They aren't going to be pumping water from the pond to the two homes if the use is for culinary use. So ...
- Is the use for external use only?
 - If not, and it is used for internal use, then where is the point of diversion?

Currently, water is not being pumped from the pond at all. The domestic water was originally coming from the concrete cisterns. Those cisterns no longer appear to be a functioning component in the water system. It is unclear if the water pipe stubs adjacent to the cabins are connected to a groundwater or surface water source. The lines are all buried and the new owner does not know.



Cabin A – missing wall and pipe stubs. Looks like previous owner intended to expand the cabin out over the stubs eventually.

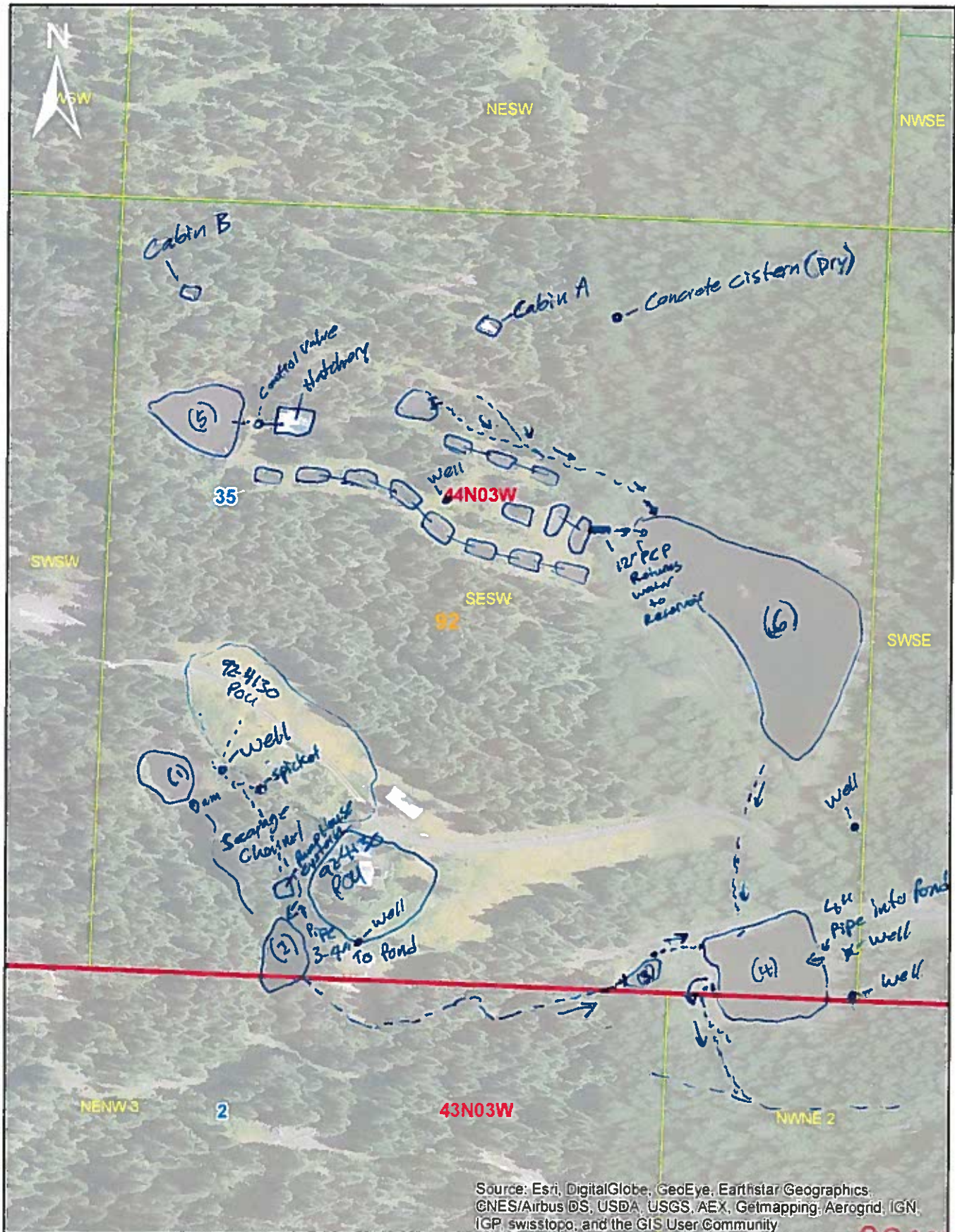


Cabin B – 2" PVC pipe stub under corner of home and water spigot with control valve next to the home.

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