

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Exam Date: 08/07/2023

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y ___ N
- a. X Irrigation of 5 acres or less
- b. ___ Storage of up to 14.6 AF for stockwater purposes only
- c. X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. ___ Other < >

2. Current Owner: **James & Chandra Neils**

Owner of Record Correct? N

Address of Record Correct? N

If No Explain:

3. Beneficial Use Fees have been paid: X Y N Receipt No: C116385

4. Source: Tributary:

Groundwater

N/A

Method of Determination: Tax lot Data, GIS, and Well Drillers Report

Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: X No Overlap

Water Right No.	Source	Purpose of Use	Basis
95-2203	Hauser Lake	Irrigation Storage	Disallowed
95-2189	Groundwater	Municipal	Decreed
95-17115	Groundwater	Municipal	App for Permit
95-7463	Groundwater	Municipal	Decreed
95-8535	Groundwater	Municipal	Decreed
95-9111	Groundwater	Municipal	License
95-2189	Groundwater	Municipal	Decreed

Comments: Several rights have place of use (POU) shapes which overlap the permit POU. However, all overlapping rights are due to a municipal service area with the exception of 95-2189, which was disallowed in February, 2022. There are no concerns regarding the permitted use impacting existing rights.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
95-11621	Groundwater	Domestic	Decreed

Comments: The points of diversion (POD) for the permit are 2 wells shared with another home which is the POU for domestic right, 95-11621. IDWR records list the permit holder as the current owners of right 95-11621. The permit holder described the wells being shared with another domestic right 65-11621.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater	2		NW	NE	12	51N	06W	B.M.	Kootenai
Groundwater	2		NW	NE	12	51N	06W	B.M.	Kootenai

Method of Determination: GIS and Taxlot data.

Change in POD? Y X N Amendment Required? Y X N

2. Place of Use: DOMESTIC

[illegible]

Place of Use: IRRIGATION

TWP	RGE	Sec	NE				NW				SW				SE				Total
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	06W	12		0.8															
		Lot #		2															0.8

Method of Determination:

Change in POU? ☐ Y ☒ N Amendment Required? ☐ Y ☒ N☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable:

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
902262	Unknown	1 1/2	Unknown	Unknown	Unknown
902263	Unknown		Unknown	Unknown	Unknown

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

D. FLOW MEASUREMENTS

1. Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
None						

2. Measurement Comments: The permit holder provided that the pump is a Grundfos SP4, 1 1/2 Hp. No measurement is required for an in-house exam, but a theoretical calculation and Administrative Memo #17 were used to determine a reasonable diversion rate.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

$$Q = (1 \frac{1}{2} \text{ Hp})(8.8)(.90 \text{ efficiency})/(42 \text{ lift in ft}) + (2.31)*(40 \text{ pressure psi}) = 0.09\text{cfs}$$

Theoretical Calculation= 0.09cfs

Permit allowed = 0.11cfs**Recommendation= 0.06cfs**

Comments: According to Administrative Memo #17 up to 0.03cfs per acre is acceptable for small acreage irrigation of up to 5 acres of irrigation. According to Administrative memo #22 states that 0.04cfs is acceptable for domestic use in 1 home. After reviewing the diagram and images provided by the permit holder, I received documentation from the permit holder supporting approximately 0.8 acres of irrigation occurring at the permit POU. I was able to confirm via GIS and Kootenai County GIS imagery 1 domestic building within the POU. I am recommending a total diversion rate of 0.06cfs, as per Administrative Memos #17 and #22.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \times 3.0 = 2.4 \text{ AF}$$

I.R.

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02\text{cfs} \times 245 \text{ days} \times 1.9835 = 9.7 \text{ AF}$$

D.R.

$$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 2.4 \text{ AF}$$

2. Volume Calculations for Other Uses:

Comments: According to Administrative memo #22 up to 0.6 AFA, per year is acceptable for domestic use for 1 home. The preceding headgate calculation determined that 2.4 AF annually is a reasonable volume for 0.8 acres of irrigation. I am recommending the license be issued with an annual volume of 3.0 AF.

G. PURPOSE OF USE

Irrigation X Y N # Stock Domestic # of Homes 1 Shop
 Change in Purpose of Use? Y X N

H. NARRATIVE/REMARKS/COMMENTS

This permit for domestic use and the irrigation of 1 ½ acres qualifies for an in-office examination. I called the permit holder on June 14th, 2023, and requested that he send a system diagram including the area(s) of irrigation and description of the system with photos. On September 21, 2023, the permit holder emailed photos of irrigation (Photos 1-12, and a map of the irrigated areas within the permit POU (see Figure 4). Photos 2, 3, 4, & 6 provided evidence of irrigation use developed in areas labeled 4 & 2 in figure 4. A GIS measurement of the combined areas was approximately 0.8 acres (see figure 5). I emailed and called the applicant explaining via messages the assessment. I requested that he respond indicating if he agreed with the assessment, so I could complete the licensing process. On October 9th, 2023, the permit holder responded via email stating that he agrees with the assessment and elements. The agreed areas of irrigation are the grass areas from the east side of the end of the driveway to the ditch running southwest from the dock area, and the garden area (see figures 5 & 6). The domestic use is for inside of the shop, as the only external use surrounding the shop would be best described as fire prevention. Dust abatement, fire prevention, and areas with no visible evidence of irrigation beneficial use established are excluded from the total irrigated area of approximately 0.8 acres.

I am recommending the license be issued for a rate of 0.06cfs, an annual volume of 3.0 AF, and with conditions 132, X31, and 004. Conditions 26A and 046 were removed at licensing as the development of the permitted use is complete and the well drillers report was received with the Statement of Completion. Condition R66 was replaced with X31 at licensing as the total irrigated area is less than 1 acre.

Have conditions of permit approval been met? X Yes No

I. RECOMMENDATIONS

1. Recommended Amounts:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.04cfs	0.6 AF
IRRIGATION	03/15 to 11/15	0.02cfs	2.4 AF
	<u>Totals:</u>	0.06cfs	3.0 AF

2. Recommended Amendments:

 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

Other: < >

J. AUTHENTICATION- Water Resource Agent- Bob Howe

Field Examiner's  Date 10/25/23

Reviewer  Date 10/30/23

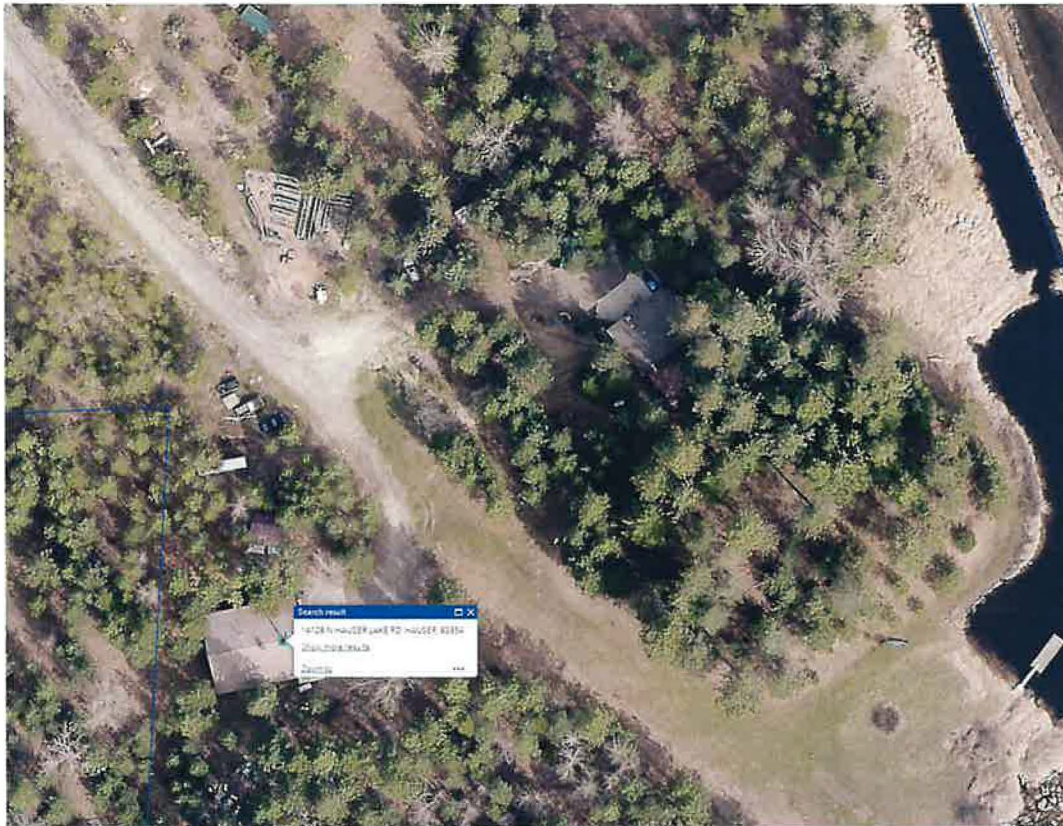


Figure 1- Kootenai County GIS image of the POU, address marks the shop location. Garden visible in the north (top of image) and house in the west (right of image).



Figure 2- System Diagram provided by permit holder.

Bob,

Sorry it took so long to get this out to you. I have attached a rough map of my water system and the answers to your questions are below. If you need more please let me know.

Wells and Pump:

1. Well 2: The main well
 - a. The pump is a Grundfos SP4". Installed in August of 1996. The manual has many versions and I don't know for sure which it is.
 - b. I have a note from a test that RC Worst did on 4/26/2002. It indicates that they got a reading of 12 GPM at well#2. Their gage maxed at 12GPM.
 - c. It is a single phase 1 hp or 1.5 hp that evidently puts out 12GPM or more. The max output of the 1HP pump is 12GPM. The max output of the 1.5hp pump is 15GPM
 - d. I am assuming that I have the 1.5 HP pump with putting out 15GPM but with a loss due to 42' of head (found in the well log).
2. Well 1: Well number 1 is for backup purposes only at this time.
3. Well 3: White spot just west of the "well 3" annotation.
 - a. This is the next water right that we are working on and have asked for an extension.
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 - c. It's a 4' culvert sticking out of the ground and is approximately 25' deep. I have no idea of its original purpose.

Sprinkler systems:

1. Garden system (outlined in Orange): This system consists of 5 zones. This runs soaker hoses in raised trays
2. Home lawn (outlined in Red): 5 Zones that water our lawn.

Hydrants (Blue Triangles):

1. We have 13 hydrants.
2. We water off of these using hoses and small sprinklers.
3. We are not specifically watering trees but lots of what we water is under trees.
4. Anything within 100' of a hydrant can be watered or is being used for fire protection or chicken water or other domestic water use.

The house and shop are connected on one line and share an 80 Gal pressure tank located at the house.

If you need more please let me know.

Thanks,

James Neils
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 640-3911 cell
(208) 777-0360 fax

Figure 3- System details provided by permit holder in body of email with diagram attached.



Figure 4- Map of Irrigated areas outlined by permit holder. Area 1 is included in the domestic right 95-11621. Area 2 is a grassy area irrigated by the hydrant located south of the house located northeast of area 1. Area 3 are areas watered around the shop. Area 4 is the Garden beds. Area 5 is the chicken coop and yard. Area 6 is the turkey pen, which was being leveled and planted for grass. Area 7 is the compost pile (with sprinkler). Area 8 is the driveway and roadside.



Photo 1- Area 1- lawn in front of the domestic home, included in the domestic right 95-11621.



Photos 2-4, Area 2- Grass irrigated using the hydrant located south of the home.



Photos 5 & 6- Area 3- Watered areas on the south and west sides of the shop, respectively. Note the hydrant located at the corner of the building in the photo on the right. Permit holder stated that is mostly to keep the area around the shop from drying out and becoming a fire hazard. This is not included in the domestic volume, as there is no evidence of irrigation.



Photos 6 & 7- Left Photo- Area4- Raised garden beds (photo taken from chicken coop-area 6). Right photo- Area 5- turkey pen with hydrant at the corner of the fence.



Photo 8- Area 6- Turkey pen. A blue handled hydrant is visible on the left side of the image. The permit holder stated that the ground is being leveled and prepared for planting in the photo submitted. He is planning on growing grass in the field.



Photo 9- Image of Area 7- the compose pile, which is watered regularly.



Photo 10- image of hydrant located at well north of the shop.



Photos 11 & 12- Pop up sprinklers along the driveway used for dust abatement and to water lavender recently planted at the roadsides.



Figure 5- Kootenai County GIS aerial image of the POU. Measured Areas 2 & 4 total approximately 0.8 acres.



Figure 6- GIS-2021- Image of the agreed irrigation POU (outlined in blue), the domestic use (outlined in yellow), and the wellsites for the PODs (blue points).

Howe, Bob

From: James Neils <jamescell@ventry.com>
Sent: Monday, October 9, 2023 1:46 PM
To: Howe, Bob
Subject: RE: In-office Examination Results for Permit 95-17496

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Good afternoon Bob,

I will agree with this assessment. Please complete the processing.

Thanks,

James Neils
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 640-3911 cell
(208) 777-0360 fax

From: Howe, Bob [mailto:Bob.Howe@idwr.idaho.gov]
Sent: Wednesday, October 4, 2023 11:17
To: James Neils <james@ventry.com>
Cc: jamescell@ventry.com
Subject: In-office Examination Results for Permit 95-17496

Hi James.

I have completed the review of your photos and system diagram. I have evidence of approximately **0.8 Acres of irrigation**, based on the images and documents you submitted. The uses for the driveway, livestock, and wetting the areas around the shop would be included in the domestic use element of your right. This would provide you with a rate of 0.02cfs and an annual volume of 2.4 AF for irrigation at licensing. Additionally, your domestic use would allow a rate of 0.04cfs and an annual volume of 0.6 AF. **Making the total rate and annual volume at licensing, 0.06cfs and 3.0 AF.** I have attached the GIS measurement image for you to review.

If you agree with this assessment of your water right, please respond and let me know, so I can complete processing of your right.

If you do not agree with this assessment and feel that a field examination is necessary for licensing, please let me know and I will notify the regional office so that they can schedule a examination date with you.

Please let me know your thoughts so that I may complete processing appropriately and timely.
Thank you for your time and attention in this matter. Your assistance is greatly appreciated.
Have a great day.

Regards,

Bob Howe

Howe, Bob

From: James Neils <james@ventry.com>
Sent: Thursday, September 21, 2023 8:19 PM
To: Howe, Bob
Cc: jamescell@ventry.com
Subject: Review for Permit 95-17496 Area 8 and well pictures
Attachments: Well with Hydrant.jpg; 8 Driveway Dust.jpg; 8 Driveway Dust Second.jpg

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Bob,

Area 8 is our driveway. I water a little to help with dust and my wife working on planting lavender along both sides. None of the lavender can be seen yet.

Well with hydrant shows the north most well with the hydrant that supplies the upper section of the driveway water system.

Thanks,

James Neils
Chief Executive Officer
Mechanical Engineer
Ventry Solutions, Inc.
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 773-1194 business
(888) 257-8967 toll-free
(208) 777-0360 fax
www.Ventry.com



Howe, Bob

From: James Neils <james@ventry.com>
Sent: Thursday, September 21, 2023 8:19 PM
To: Howe, Bob
Cc: jamescell@ventry.com
Subject: Review for Permit 95-17496 Area 4 -7 pictures
Attachments: 4 looking into from 6.jpg; 5 Turkey Pen.jpg; 6 Chicken Area.jpg; 7 Compost.jpg

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Bob,

Area 4 is the garden area with raised beds. 4 looking in from 6 is looking at the garden from the north side.

Area 5 is a penned area we use to raise turkeys. We didn't raise the turkeys this year so it is overgrown and not well watered.

Area 6 is getting ready to be planted. We need to do a little more leveling and then we can finish and start watering properly. The orange structure is the chicken coop.

Area 7 is a compost pile that we keep wet.

James Neils
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 640-3911 cell
(208) 777-0360 fax

Howe, Bob

From: James Neils <james@ventry.com>
Sent: Thursday, September 21, 2023 8:18 PM
To: Howe, Bob
Cc: 'James Neils'
Subject: Review for Permit 95-17496 Area 1, 2 and 3 pictures
Attachments: 1 Front Lawn.jpg; 2 Grass Top South.jpg; 2 Grass South.jpg; 2 Grass East.jpg; 3 Shop South Side.jpg; 3 Shop W Side.jpg

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Bob,

Area 1 in the pictures is the yard in front of the house. We have a 5 zone sprinkler system that covers this area.

Area 2 is a large grassy area that goes down toward the lake and over by our dock. We water it using the hydrant south of the house. 2 Grass Top South is taken from up in front of the shop looking south over the lake. 2 Grass South is again looking south down at the bottom of the hill west of the dock. 2 Grass East is at the bottom of the hill looking east toward the canal. We water to hopefully help the grass better compete with unwanted plants.

Area 3. Pictures of the south and west side of the shop. Mainly water to keep a little greener and for fire protection.

James Neils
Chief Executive Officer
Mechanical Engineer
Ventry Solutions, Inc.
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 773-1194 business
(888) 257-8967 toll-free
(208) 777-0360 fax
www.Ventry.com





IDAHO DEPARTMENT OF
WATER RESOURCES

Bob Howe | Water Resource Agent
322 E Front St, PO Box 83720, Boise, ID 83720
(208) 287-4800 | www.idwr.idaho.gov

From: James Neils <james@ventry.com>
Sent: Thursday, September 21, 2023 8:18 PM
To: Howe, Bob <Bob.Howe@idwr.idaho.gov>
Cc: jamescell@ventry.com
Subject: RE: Review for Permit 95-17496

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Bob,

Please see the attached documents for Permit 95-17496. I am sending several emails with the pictures and explanation for each area shown in the pdf file.

We could also do a zoom call or something similar if you want to see specific areas or get better explanations.

Please let me know if you need more.

Thanks,

James Neils
14128 N Hauser Lake Road
Hauser, ID 83854
(208) 640-3911 cell
(208) 777-0360 fax

From: Howe, Bob [<mailto:Bob.Howe@idwr.idaho.gov>]
Sent: Friday, June 23, 2023 9:11
To: james@ventry.com
Subject: FW: Review for Permit 95-17496

Hi James,
I just wanted to follow up and make sure you received the preceding email. Thank you for your time and attention to this matter
Feel free to reach out to me with any questions or concerns.

Regards,

Bob Howe



IDAHO DEPARTMENT OF
WATER RESOURCES

From: Howe, Bob
Sent: Wednesday, June 14, 2023 5:06 PM
To: james@ventry.com
Subject: Review for Permit 95-17496

Hi James,

Thank you for taking the time to discuss permit #95-17496 for domestic use and ½ acre of irrigation. I have attached several images to this email please select whatever best fits your needs and diagram the domestic and irrigation system, identify the irrigated area (can provide an outlined area on an image), and the well locations on one or more of the images. Please attach your system diagram to an email providing any relevant system information you can. Information needed includes the horsepower of the pump, details of the irrigation system (buried lines or hoses to sprinklers) including approximately how many sprinklers (zones, types of sprinklers, etc.), and the domestic system details including if the pump is submersible, if the wells have a separate line to each domestic home from the well house or if there is a shared line (is there a pressure tank? What diameter is the pipe into the house?). Essentially you will describe the pathway for delivering the water from down well to the home and irrigation system.

Also, if you are irrigating the trees as well please note that in your description and map of the irrigated area.

Below is the GIS aerial imagery from 2021 showing the permit irrigation area (outlined in blue) and the wells (blue points on the upper left). Notice the green point in the upper right. This is another wellsite identified on another of your rights, which has the same well drillers log as one submitted with your proof of beneficial use. Could you please identify which location for the wells is correct? Or if neither location is accurate please identify the correct locations of the wells.



I realize this is quite a bit, but the most important things are describing the domestic and irrigation system (example: "submersible pump to home through 1" PVC to 50 gal pressure tank, from house to control box for buried sprinkler system, 4 zones, 16 pop up Rainbird heads and drip line areas under the trees", etc) and finally diagraming the system with the irrigated areas identified (outlined).

Feel free to reach out to me with any questions or concerns. If we need any additional information I will notify you as soon as possible.

Thank you again for your time and assistance in this matter.

PS- I checked on your extension. It looks like they have everything needed. It is currently awaiting supervisor review and signature. This could take a couple of weeks.

Regards,

Bob Howe



IDAHO DEPARTMENT OF
WATER RESOURCES

Bob Howe | Water Resource Agent

322 E Front St, PO Box 83720, Boise, ID 83720

(208) 287-4847 | www.idwr.idaho.gov



IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

August 25th, 2023

JAMES & CHANDRA NEILS
14128 N HAUSER LAKE ROAD
HAUSER, ID 83854

RE: Additional information requested for Permit 95-17496- Please Respond Within 30 Days.

Dear James & Chandra Neils:

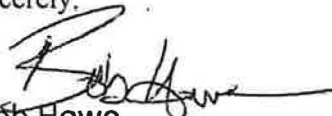
The Department of Water Resources (Department) received your statement of completion on June 1st, 2023, for permit #95-17496. On June 14th, 2023, additional information including a system diagram (with an outline of the irrigated area), system details, and photos were requested. On June 27th, 2023, you submitted an email containing a diagram and system details indicating an area larger than the ½ acre of irrigation you stated on the Statement of Completion. The irrigated area includes the place of use for domestic claim 95-11621. The actual area(s) irrigated by the beneficial use developed on permit #95-17496 remains unclear. Additional information is needed to continue processing your permit for licensing.

In our phone conversation August 9th, 2023, I explained that the beneficial use developed for permit #95-17496 authorized up to 1 ½ acre of irrigation but cannot include the place of use for claim 95-11621. Due to tree cover, aerial imagery was not able to be used to confirm the irrigated area(s). I have attached an aerial image of the entire parcel which may be used to outline the area(s) of irrigation (up to 1 ½ acres of irrigation). Please provide a map outlining the area(s) of irrigation and photos of the system (such as sprinklers and hydrants used) developed for beneficial use and mail it to the IDWR state office at the address below my signature or email it to me at bob.howe@idwr.idaho.gov.

Please feel free to reach out to me with any questions or concerns. **If we do not receive the requested information within 30 days your permit will be returned to the regional office for a field examination to be scheduled in the future.**

Thank you for your attention to this matter.

Sincerely,


Bob Howe



IDAHO DEPARTMENT OF
WATER RESOURCES

Bob Howe | Water Resource Agent
322 E Front St, PO Box 83720, Boise, ID 83720
(208) 287-4847 | www.idwr.idaho.gov



Figure 1- Kootenai County aerial image of parcel appurtenant to Permit 95-17496.

Howe, Bob

From: James Neils <james@ventry.com>
Sent: Tuesday, June 27, 2023 9:35 AM
To: Howe, Bob
Subject: RE: Review for Permit 95-17496
Attachments: NeilsWaterRightsMap.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Bob,

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1. Well 2: The main well
 - a. The pump is a Grundfos SP4". Installed in August of 1996. The manual has many versions and I don't know for sure which it is.
 - b. I have a note from a test that RC Worst did on 4/26/2002. It indicates that they got a reading of 12 GPM at well#2. Their gage maxed at 12GPM.
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 - a. This is the next water right that we are working on and have asked for an extension.
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Sprinkler systems:

1. Garden system (outlined in Orange): This system consists of 5 zones. This runs soaker hoses in raised trays
2. Home lawn (outlined in Red): 5 Zones that water our lawn.

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1. We have 13 hydrants.
2. We water off of these using hoses and small sprinklers.
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4. Anything within 100' of a hydrant can be watered or is being used for fire protection or chicken water or other domestic water use.

The house and shop are connected on one line and share an 80 Gal pressure tank located at the house.

If you need more please let me know.

Thanks,

James Neils
14128 N Hauser Lake Road

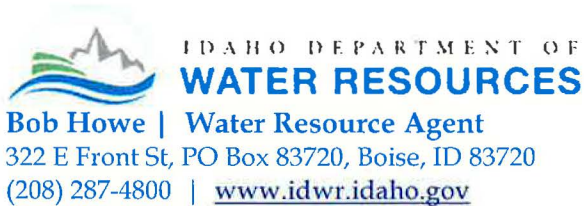
James Neils

From: Howe, Bob [mailto:Bob.Howe@idwr.idaho.gov]
Sent: Friday, June 23, 2023 9:11
To: james@ventry.com
Subject: FW: Review for Permit 95-17496

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Regards,

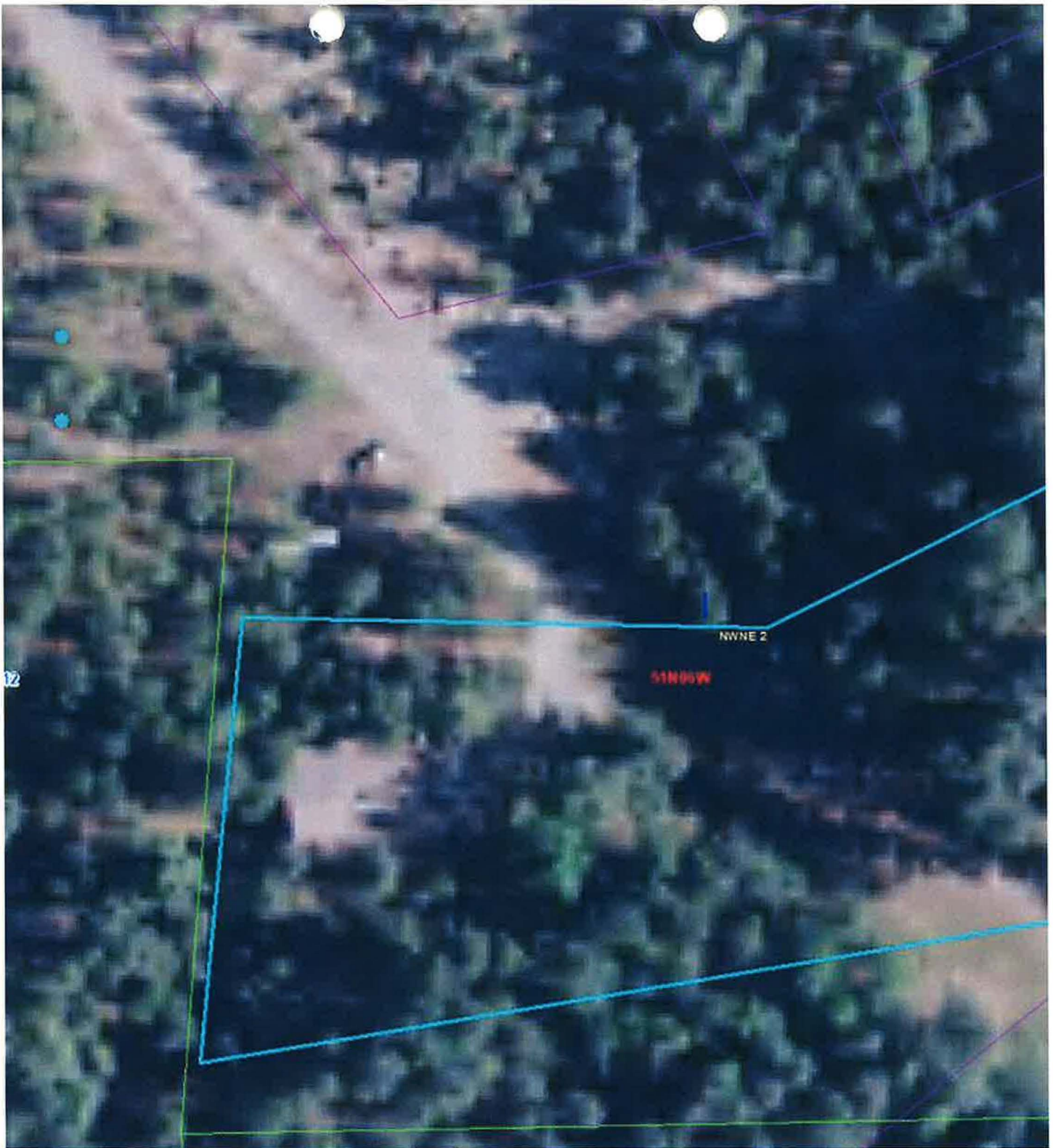
Bob Howe



From: Howe, Bob
Sent: Wednesday, June 14, 2023 5:06 PM
To: james@ventry.com
Subject: Review for Permit 95-17496

Hi James,
Thank you for taking the time to discuss permit #95-17496 for domestic use and ½ acre of irrigation. I have attached several images to this email please select whatever best fits your needs and diagram the domestic and irrigation system, identify the irrigated area (can provide an outlined area on an image), and the well locations on one or more of the images. Please attach your system diagram to an email providing any relevant system information you can. Information needed includes the horsepower of the pump, details of the irrigation system (buried lines or hoses to sprinklers) including approximately how many sprinklers (zones, types of sprinklers, etc.), and the domestic system details including if the pump is submersible, if the wells have a separate line to each domestic home from the well house or if there is a shared line (is there a pressure tank? What diameter is the pipe into the house?). Essentially you will describe the pathway for delivering the water from down well to the home and irrigation system.
Also, if you are irrigating the trees as well please note that in your description and map of the irrigated area.

Below is the GIS aerial imagery from 2021 showing the permit irrigation area (outlined in blue) and the wells (blue points on the upper left). Notice the green point in the upper right. This is another wellsite identified on another of your rights, which has the same well drillers log as one submitted with your proof of beneficial use. Could you please identify which location for the wells is correct? Or if neither location is accurate please identify the correct locations of the wells.



I realize this is quite a bit, but the most important things are describing the domestic and irrigation system (example: “submersible pump to home through 1” PVC to 50 gal pressure tank, from house to control box for buried sprinkler system, 4 zones, 16 pop up Rainbird heads and drip line areas under the trees”, etc) and finally diagramming the system with the irrigated areas identified (outlined).

Feel free to reach out to me with any questions or concerns. If we need any additional information I will notify you as soon as possible.

Thank you again for your time and assistance in this matter.

PS- I checked on your extension. It looks like they have everything needed. It is currently awaiting supervisor review and signature. This could take a couple of weeks.

Regards,

Bob Howe



IDAHO DEPARTMENT OF
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