

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

RECEIVED

FEB 24 2025 APPLICATION FOR TRANSFER OF WATER RIGHT

IDWR / NORTH

GENERAL INFORMATION AND INSTRUCTIONS

Pursuant to Section 42-222(1), *Idaho Code*, a transfer application may be filed to change the point of diversion, place of use, period of use, or nature of use of all or part of an established water right. Any person proposing to make such a change is required to file a transfer application with the Department. "Such application shall be upon forms furnished by the department and shall describe the [water right] to be changed and the changes which are proposed and shall be accompanied by the statutory filing fee." *Idaho Code* § 42-222(1).

The Department has developed this application form to assist applicants in satisfying the requirements of Section 42-222(1). This application form requests information about the applicant's authority to file (Part 1), information about the current elements of the water right(s) to be changed (Part 2), information about the proposed changes (Part 3), information about the validity of the water right(s) and the effects of the proposed changes (Part 4), and confirmation that the information provided is truthful (Part 5).

The applicant or their representative must provide a response for all applicable questions, any additional information required, and the proper filing fee before this application will be considered complete. If an application is incomplete or more information is required, the Department will notify the applicant or representative and allow time for the application to be completed. An application that remains incomplete will be returned to the applicant and the filing fee will be refunded.

An application for transfer is limited to the changes proposed for a single water distribution system. A proposal to change two or more separate water distribution systems, that will remain separate after the transfer, must be filed as separate applications. Applicants may provide additional pages to supplement their responses to the questions posed on this application form. Supplemental forms for listing additional water rights, points of diversion, or places of use can be found on the Department's website ([idwr.idaho.gov](http://idwr.idaho.gov)). If you need assistance understanding the questions on this form, generating current water right reports, determining legal descriptions, or accessing water measurement records feel free to contact the nearest regional office of the Department.

PART 1 – CONTACT INFORMATION, OWNERSHIP RECORDS, AUTHORITY TO FILE

Name(s) of Applicant(s) Murray Water Association Inc./Steve Hale  
Mailing Address 115 Almquist Ave., Murry, Idaho 83874/6518 Prichard Creek Street Murray, ID 83874  
Email\* stevenbrenda1@hotmail.com Phone (208) 682-9962

Name of Representative (if any) James S De Smet, PE, PG  
Mailing Address 212 W Ironwood Dr, Suite D, #671  
Email\* quantumeng@icloud.com Phone 208 661 5200

\*If an email address is provided, Department staff will use email as the primary method for corresponding with the applicant and representative about the application.

**A. Representative.** If the representative is authorized to sign or amend the application on behalf of the applicant, attach documents confirming that authority. Label documents as Attachment 1A.

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**B. Current Owner.** If the applicant is not the current owner of record for all water rights included in this application, attach documents showing that the applicant has the authority to make the proposed changes. Label documents as Attachment 1B.

**C. Updating Ownership Records.** Applicants needing to update the ownership records for any of the water rights included in this application must attach documents supporting the ownership change. Such documents must trace ownership of the subject water rights or the current place of use for the subject water rights from the current owner of record for the water rights to the applicant. Label documents as Attachment 1C.

**D. Business Entities.** If the applicant is a business entity (corporation, LLC, partnership, trust, etc.), is the entity currently registered with the Idaho Secretary of State?

☒ Yes. If this application is signed by someone other than a person listed on the most recent annual report filed with the Idaho Secretary of State, attach documents confirming the authority of the signer to sign on behalf of the business entity. Label documents as Attachment 1D.

☐ No. Attach documents confirming the authority of the signer to sign on behalf of the business entity. Label documents as Attachment 1D.

**E. Approval of Irrigation Delivery Entity.** Section 42-108, *Idaho Code*, states that a transfer application proposing to change water rights held by an irrigation company or district requires the consent of the irrigation entity. If this application proposes to change water rights held by an irrigation entity, attach a letter of consent from the entity (labeled as Attachment 1E) or have an authorized representative of the entity co-sign the application.

**F. Encumbered Properties.** If the current place of use for the water rights included in this application is subject to a lien, deed of trust, mortgage, or contract and the application proposes to change the nature of use of the water rights or to move water rights off the current place of use, attach a statement of consent for the change signed by the lien holder, trustee, mortgagor or contract holder. Label documents as Attachment 1F.

**G. Legal Access.** If the applicant is not the current owner of the proposed point(s) of diversion, conveyance system, or place(s) of use, provide evidence of legal access to the land or infrastructure not owned by the applicant. Label documents as Attachment 1G. For example, an applicant may provide a letter of consent from the owner of the land or conveyance system or may have the owner co-sign the application. For applications proposing to divert water on or convey water across federal land, an applicant is not required to demonstrate legal access to the federal land prior to approval. Instead, if the transfer application is approved, the applicant must obtain access authorization from the relevant federal agency prior to diverting water under the subject water rights.

## PART 2 – WATER RIGHTS BEFORE PROPOSED CHANGES

**A. Current Water Rights.** For each water right proposed to be changed, attach a current water right report obtained from any Department office or from the Department's website (idwr.idaho.gov). Label water right reports as Attachment 2A.

**B. Map of Current System.** Attach a map of the current point(s) of diversion and place(s) of use for the water rights to be changed. The map should clearly depict the elements of the water rights to be changed. For example, if the application proposes to change the point of diversion for a water right, the map should display the current location of the point of diversion. For irrigation water rights, the map should also identify the location of the irrigated acres to be changed. Label map as Attachment 2B.

**C. Current Location of Irrigated Acres.** If this application proposes to change the place of use or nature of use for only a portion of an irrigation water right, use the following table to identify the current location of the irrigated acres to be changed. If additional pages are required, label additional pages as Attachment 2C. If this application proposes to change or rearrange the entire place of use for irrigation water right(s), skip to Part 3.

☒ **N/A.** This application does not propose to change the place of use or nature of use of an irrigation water right or this application proposes to change the place of use or nature of use for an entire irrigation right.

**Current Location of Irrigated Acres to be Changed**

| Twp | Rge | Sec | NE ¼ |    |    |    | NW ¼ |    |    |    | SW ¼ |    |    |    | SE ¼ |    |    |    | Acre Totals |
|-----|-----|-----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|-------------|
|     |     |     | NE   | NW | SW | SE | NE   | NW | SW | SE | NE   | NW | SW | SE | NE   | NW | SW | SE |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |
|     |     |     |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |             |

Total Irrigated Acres to be Changed: \_\_\_\_\_

**PART 3 – DESCRIPTION OF PROPOSED CHANGES**

**A. Purpose of Transfer.** Section 42-222(1), *Idaho Code*, states that transfer applications may only be filed to change the point of diversion, place of use, period of use, or nature of use of an established water right. Section 42-248(3), *Idaho Code*, authorizes water right ownership changes to be described on a transfer application. Identify the changes proposed in this application:

- |                                                               |                                                               |
|---------------------------------------------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> Change point(s) of diversion         | <input type="checkbox"/> Change place of use                  |
| <input checked="" type="checkbox"/> Add point(s) of diversion | <input type="checkbox"/> Change period of use                 |
| <input type="checkbox"/> Change nature of use                 | <input type="checkbox"/> Update water right ownership records |

**B. Proposed Changes.** Describe the proposed changes in narrative form:

Murray Water Association has one existing well (Well#1) and appears to be declining in production. If a new well provides adequate flow, Well#1 may be abandoned. A second well, if successful, would provide redundancy for the Association. Only two wells on the four sites will be developed and the current WR rate of 0.11 cfs shall not be enlarged as a result of added PODs.

**C. Summary of Proposed Changes.**

1. Water Rights. Use the following table to list all water rights, or portions thereof, that are proposed to be changed as they would appear after the proposed changes. In the Amount column, list the volume in acre-feet (af) for storage uses or the rate in cubic feet per second (cfs) for all other uses.

| All or Part                                                  | Right Number | Amount<br>(cfs/af) | Nature of Use | Period of Use | Source      |
|--------------------------------------------------------------|--------------|--------------------|---------------|---------------|-------------|
| <input type="checkbox"/> <input checked="" type="checkbox"/> | 94-8142      | 0.05/24.6          | Municipal     | 1/1 to 12/31  | GW (3 PODs) |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |
| <input type="checkbox"/> <input type="checkbox"/>            |              |                    |               | to            |             |

2. Total Amounts. Calculate the total quantity, in cfs or af, of water rights that are proposed to be changed through this application. For an application proposing to only change the place of use for irrigation rights, the total quantity of water is calculated by comparing the current place of use to the proposed place of use, summing the number of acres increased in each legal subdivision, and quantifying the proportional amount of diversion rate for the increased acres. For an application proposing to change or add points of diversion for irrigation or any other beneficial use, the total amount is the total diversion rate for the changed portion of the right.

Total Amount of Water Rights Proposed to be Changed: 0.11 cfs and/or \_\_\_\_\_ af.

3. Point(s) of Diversion. Use the following table to list all the proposed points of diversion for the water rights to be changed, including any current points of diversion that will continue to be used as part of the proposed water distribution system.

The legal description for the proposed point(s) of diversion must be to the nearest 40-acre subdivision (QQ) or U.S. Government Lot of the Public Land Survey System (PLSS). PLSS information is typically available from USGS topo maps, property deeds, tax bills or various mapping tools on the Department's website.

For points of diversion within platted subdivisions, list the lot and block number in the "Diversion Name/Number" column. An application proposing an injection into a stream and a re-diversion from that stream must list the source for the original diversion as the source for the injection and re-diversion points. If this application proposes construction of a new diversion structure (for example, a new ground water well or a new pump station on a creek), please indicate the status in the appropriate column.

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Department to evaluate the effects of the proposed change. The Department may deny an application if the applicant fails to provide sufficient data and information to determine whether the criteria from Section 42-222(1) are satisfied. In addition to the information requested in Parts 1-3 of this application, the following information must be provided for an application to be considered complete. Department staff may request additional information or clarification as the application is processed.

#### A. Validity of Water Rights

1. If one or more of the water rights proposed to be changed is a statutory claim, established pursuant to Section 42-248, *Idaho Code*, attach evidence supporting the priority date claimed. Label documents as Attachment 4A-1. For statutory claims, the Department may conduct a field inspection as part of the application review process to evaluate the water right elements listed on the statutory claim. Water right 94-8142 included as Attachment 2A

2. Has any portion of the water right(s) proposed to be changed undergone a period of five or more consecutive years of non-use?

☐ Yes. Attach a statement describing the portion of the right(s) that were not used and the length of time of the non-use. In addition, identify any exception or defense to forfeiture and provide a detailed description as to why the water rights have not been lost and forfeited for non-use. Label documents as Attachment 4A-2. Statutory exceptions or defenses to forfeiture are set forth in Section 42-223, *Idaho Code*.

☒ No.

#### B. Injury to Other Water Rights

1. Identify any other water right(s) diverted at the current point(s) of diversion.

N/A

2. Identify any other water right(s) diverted at the proposed point(s) of diversion.

N/A

3. Is the proposed point of diversion within a state water district? ☐ Yes. Water District # \_\_\_\_\_. ☒ No.

4. If already constructed and in use, are the proposed points of diversion equipped with Department-approved measuring devices? ☐ Yes. ☒ No.

5. If this application proposes to divert a surface water right from a ground water well, attach a technical analysis evaluating the hydraulic connection between the proposed ground water point of diversion and the source of water listed on the right to be changed. Label technical analysis as Attachment 4B-5.

6. If this application proposes changing the point of diversion for a ground water right in the Eastern Snake Plain Aquifer (ESPA), attach a technical analysis of the anticipated depletions to reaches of the Snake River that are hydraulically connected to the ESPA using the Department's current ground water model for the ESPA. The technical analysis must evaluate depletion impacts in a time-series format at transient and steady state time steps. To assist applicants in preparing the required technical analysis, the Department has developed a transfer tool interface for the ESPA model. The transfer tool and user instructions can be downloaded from the Department's website ([idwr.idaho.gov](http://idwr.idaho.gov)). If the proposed and current points of diversion are in the same or adjacent model cells, no technical analysis is required, unless specifically requested by the Department. Label technical analysis as Attachment 4B-6.

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### C. Enlargement in Use

1. Identify any other water rights used at the current place of use, including the number of shares in a canal company or acres assessed by an irrigation district.

94-7379, 94-8260, 94-8289, 94-8319, and 94-8320 These are private wells

See beneficial use survey attached

2. Identify any other water rights used at the proposed place of use, including the number of shares in a canal company or acres assessed by an irrigation district.

3. If this application proposes changing the place of use or nature of use for irrigation water rights, will the current place of use, for the portion of the right to be changed, continue to be irrigated?

☐ Yes. Identify the water right(s) to be used for the continued irrigation.

☐ No. The place of use for the portion to be changed will no longer be irrigated.

☒ N/A. The application does not propose to change the place of use for irrigation rights.

4. Unstacking Water Rights for Irrigation. If this application proposes to change the place of use for an irrigation water right that is combined with other irrigation rights at the current place of use but does not propose to change the place of use for all the stacked irrigation rights, attach evidence of the historical consumptive use occurring under all water rights at the current place of use. For irrigation rights, this should include at least five years of diversion data and/or crop data and estimates of evapotranspiration. Label the information as Attachment 4C-4. Evapotranspiration data may be available on the Department's website (<http://et-idwr.idaho.gov>)

5. If the application proposes to change the nature of use for a water right, attach evidence of the historical consumptive use occurring under the portion of the water right to be changed. For irrigation rights, this should include diversion data, crop data and estimates of evapotranspiration. Label the information as Attachment 4C-5. Evapotranspiration data may be available on the Department's website (<http://et-idwr.idaho.gov>)

6. If the application proposes to change the nature of use of a water right to municipal use for reasonably anticipated future needs, complete the form titled "Municipal Water Right Application Checklist" found on the Department's website ([idwr.idaho.gov](http://idwr.idaho.gov)). Label the form as Attachment 4C-6.

7. To your knowledge, are any portions of the water rights proposed to be changed:

Yes

No

☐☒

currently leased to the Water Supply Bank?

If yes, complete the form titled "Application for Transfer of Water Right Attachment WSB" found on the Department's website ([idwr.idaho.gov](http://idwr.idaho.gov)). Label the Form as Attachment 4C-7.

☐☒

currently used in a mitigation plan limiting the use of water under the right?

☐☒

subject to an agreement not to divert (CREP)?

☐☒

currently enrolled in a federal set-aside program (CRP)?

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**D. Local Public Interest**

The department must consider whether the proposed changes are in the local public interest as defined in Section 42-202B(3), *Idaho Code*. Some of the local public interest factors that may be considered in conjunction with a transfer application are (1) Recreation, fish, and wildlife impacts, (2) Water quality or contamination concerns, (3) Local and state ordinances, regulations, or policies related to water use, (4) Goals, requirements and limits set forth in the State Water Plan. If you choose to provide information about local public interest factors, label the information as Attachment 4D.

**E. Conservation of Water Resources**

Describe the diversion works and water delivery system. This may include sizes and dimensions of pumps, pipelines, headgates, ditches, dams, impoundments and irrigation equipment.

Wells pump groundwater through pressure tanks to 4-inch and 6-inch PVC  
piping to approximately 41-connections.

**PART 5 – FILING FEE AND SIGNATURE**

**A. Filing Fee.** Filing fees for transfer applications are set forth in Section 42-221.O, *Idaho Code*. A table summarizing the filing fees for transfer applications is also found on the Department's website (idwr.idaho.gov). Any application proposing to change the nature of use for one or more rights requires an additional filing fee of \$250. Applications proposing to update the ownership records for water rights must also include the appropriate filing fee to update the ownership records. For any application relying on the filing fee set forth in Section 42-221.O.8, *Idaho Code*, attach a statement describing how the application qualifies under Section 42-221.O.8. Label documents as Attachment 5A. Filing Fee \$200

**B. Affidavit of Applicant or Representative:**

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

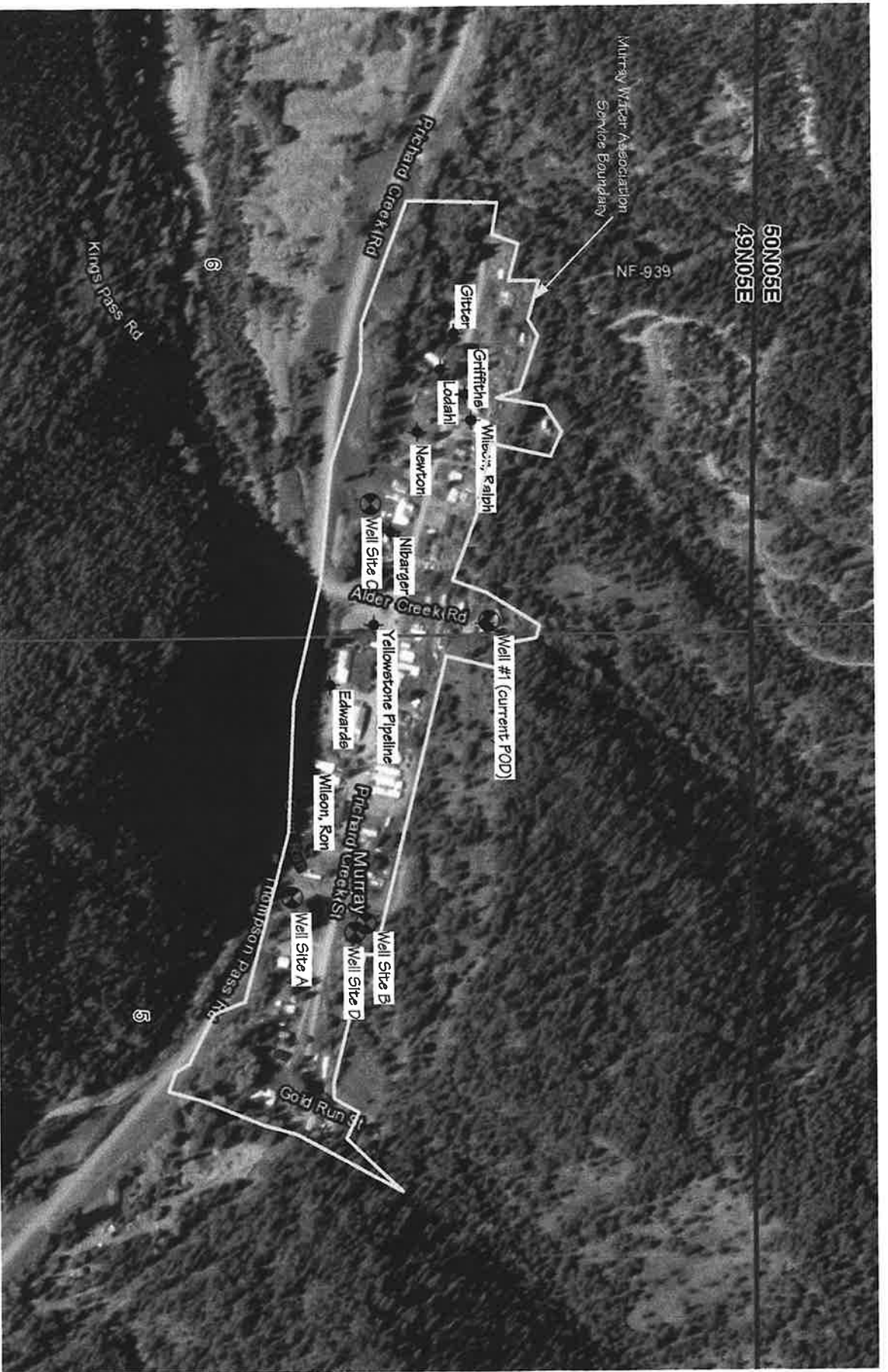
|                                                                                     |                                     |                  |
|-------------------------------------------------------------------------------------|-------------------------------------|------------------|
|  | <u>Steve Hale Vice President</u>    | <u>2/14/2025</u> |
| Signature of Applicant or Representative*                                           | Print Name and Title, if applicable | Date             |
| <br>                                                                                | <br>                                | <br>             |
| Signature of Applicant or Representative*                                           | Print Name and Title, if applicable | Date             |

\*If water rights included in this application are owned by multiple people or entities, each owner must sign the application form.

**FOR DEPARTMENT USE ONLY**

|                            |                           |                      |                         |
|----------------------------|---------------------------|----------------------|-------------------------|
| Fee Paid: \$ <u>200.00</u> | Receipt #: <u>N045243</u> | Date: <u>2/24/25</u> | Received by: <u>WMS</u> |
| Add'l Paid: \$ _____       | Receipt #: _____          | Date: _____          | Received by: _____      |

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Base Map Source: IDWR GIS Web Server  
Scale: 1"=500'

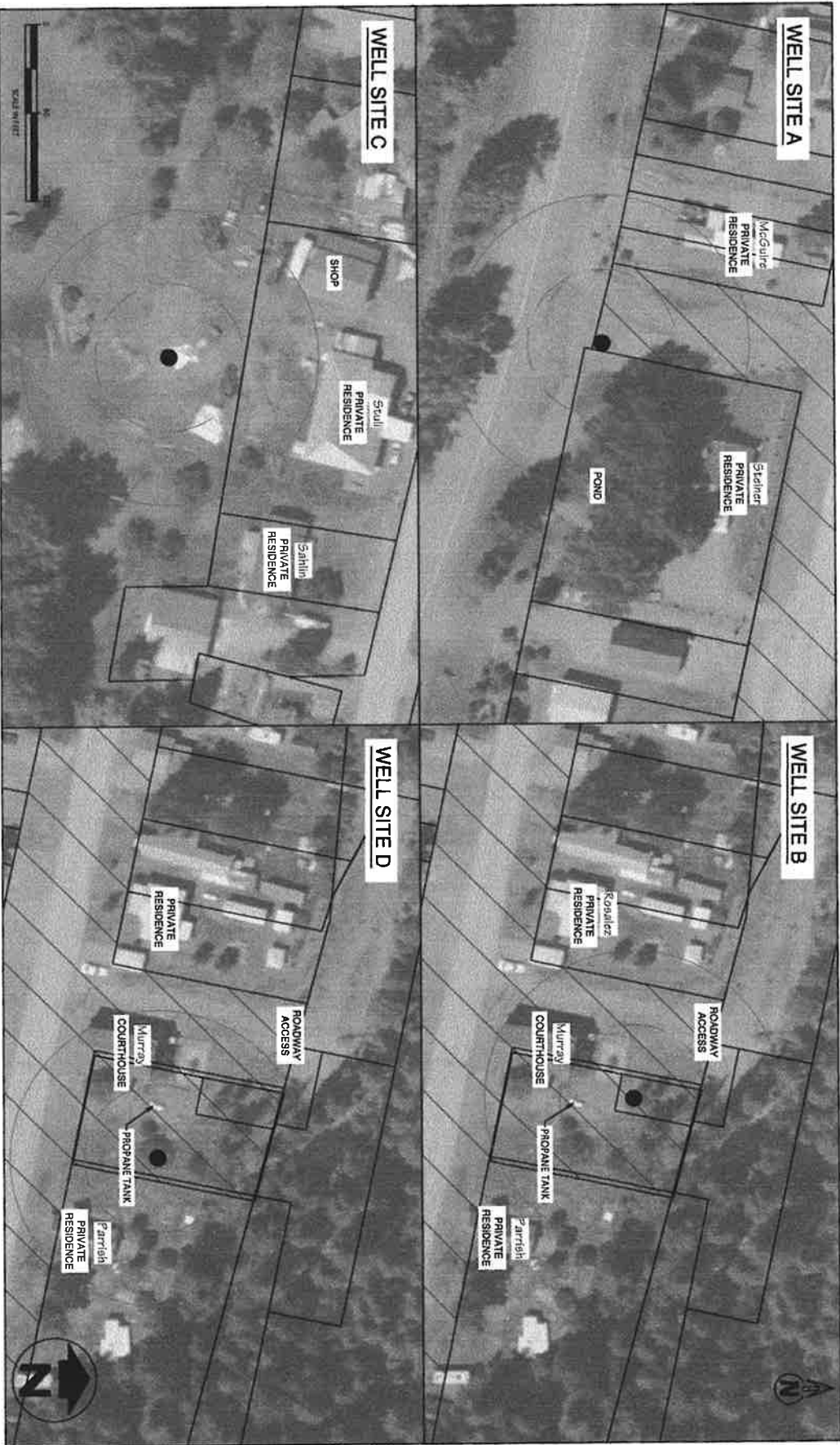
Murray Water Association Service Boundary (from IDWR Beneficial Use Survey)

Well Site C  
MWA Proposed Points of Diversion

Edwards  
Nearby Private Wells (Based on Murray Water Association Facility Plan, Alta Science and Engineering, January 28, 2020)

# **QUANTUM Engineering** and Geologic Consulting

|           |             |                                |
|-----------|-------------|--------------------------------|
| ENGINEER  | Jim De Smat | Attachment 2B                  |
| DRAWN BY  | Jim De Smat | Proposed Well Locations        |
| DATE      | 2/13/25     | Murray Water Association, Inc. |
| SCALE     | As Shown    | Shoshone County, Idaho         |
| SHEET NO. |             |                                |



Base Map Source: Hill Engineers, Well Site Survey, July 17, 2024  
Scale: 1"=100'

# LEGEND

- 100-Foot Setback Radius
- 50-Foot Setback Radius



## QUANTUM Engineering and Geologic Consulting

Figure 2

ENGINEER: Jim De Smet  
DRAWN BY: Jim De Smet  
DATE: 2/13/25  
SCALE: As Shown  
SHEET NO.:

Well Site Setback Details  
Murray Water Association, Inc.  
Shoshone County, Idaho



0005915009



**STATE OF IDAHO**  
*Office of the secretary of state, Phil McGrane*  
**ANNUAL REPORT**  
Idaho Secretary of State  
PO Box 83720  
Boise, ID 83720-0080  
(208) 334-2301  
Filing Fee: \$0.00

For Office Use Only

**-FILED-**

File #: 0005915009

Date Filed: 9/30/2024 2:23:08 PM

## Attachment 1B

|                                                                                                       |                                                                                                                                     |                                             |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Entity Name and Mailing Address:                                                                      |                                                                                                                                     |                                             |
| Entity Name:                                                                                          | MURRAY WATER ASSOCIATION, INC.                                                                                                      |                                             |
| The file number of this entity on the records of the Idaho Secretary of State is:                     | 0000614060                                                                                                                          |                                             |
| Address                                                                                               | 115 WALT ALMQUIST DR<br>MURRAY, ID 83874-5000                                                                                       |                                             |
| Entity Details:                                                                                       |                                                                                                                                     |                                             |
| Entity Status                                                                                         | Active-Good Standing                                                                                                                |                                             |
| This entity is organized under the laws of:                                                           | IDAHO                                                                                                                               |                                             |
| If applicable, the old file number of this entity on the records of the Idaho Secretary of State was: | C203709                                                                                                                             |                                             |
| The registered agent on record is:                                                                    |                                                                                                                                     |                                             |
| Registered Agent                                                                                      | STEVE J HALE<br>Registered Agent<br>Physical Address<br>6518 PRICHARD CREEK ST<br>MURRAY, ID 83874<br>Mailing Address<br>, ID 83874 |                                             |
| Corporate Officers and Directors:                                                                     |                                                                                                                                     |                                             |
| Name                                                                                                  | Title                                                                                                                               | Business Address                            |
| Rosario M Rosalez                                                                                     | President                                                                                                                           | 6439 PRICHARD CREEK ST.<br>MURRAY, ID 83874 |
| Steve J Hale                                                                                          | Vice President                                                                                                                      | 6518 PRICHARD CREEK ST.<br>MURRAY, ID 83874 |
| Brenda F Hale                                                                                         | Secretary                                                                                                                           | 6518 PRICHARD CREEK ST.<br>MURRAY, ID 83874 |
| The annual report must be signed by an authorized signer of the entity.<br>Job Title: Vice President  |                                                                                                                                     |                                             |
| Steve J Hale                                                                                          |                                                                                                                                     | 09/30/2024                                  |
| Sign Here                                                                                             |                                                                                                                                     | Date                                        |

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Close

## Water Right Report : 94-8142( License/Active)

Attachment 2A

## Water Right Owners

| Owner Type     | Name               | Address                  | City     | State | Postal Code |
|----------------|--------------------|--------------------------|----------|-------|-------------|
| Current Owner  | MURRAY WATER ASSN  | 115 WALT ALMQUIST AVENUE | MURRAY   | ID    | 83874       |
| Original Owner | MURRAY WATER WORKS | 410 VALLEYVIEW RD        | KINGSTON | ID    | 83839       |

## Water Right Status

Priority Date : 7/20/2011  
Basis : License  
Status : Active

## Water Source

| Source       | Source Qualifier | Tributary | Tributary Qualifier |
|--------------|------------------|-----------|---------------------|
| GROUND WATER |                  |           |                     |

## Points Of Diversion (Location)

| Source       | Township | Range | Section | Govt. Lot | QQQ | QQ | Q | County         | Diversion Type |
|--------------|----------|-------|---------|-----------|-----|----|---|----------------|----------------|
| GROUND WATER | 49N      | 05E   | 6       | 0         |     |    |   | NE NE SHOSHONE |                |

## Water Uses

| Beneficial Use | From  | To    | Diversion Rate  | Volume           |
|----------------|-------|-------|-----------------|------------------|
| MUNICIPAL      | 01/01 | 12/31 | 0.11 CFS        | 24.80 AFA        |
| <b>TOTAL</b>   |       |       | <b>0.11 CFS</b> | <b>24.60 AFA</b> |

## Places of Use

[Printable View](#) [Pagged View](#)

Place of Use Legal Description : MUNICIPAL (SHOSHONE county)

| Township <sup>+</sup> | Range <sup>+</sup> | Section <sup>+</sup> | Lot <sup>+</sup> | QQQ <sup>+</sup> | QQ <sup>+</sup> | Q <sup>+</sup> | Acres <sup>+</sup> |
|-----------------------|--------------------|----------------------|------------------|------------------|-----------------|----------------|--------------------|
| 49N                   | 05E                | 5                    |                  |                  | NE              | NW             |                    |
| 49N                   | 05E                | 5                    |                  |                  | NW              | NW             |                    |
| 49N                   | 05E                | 5                    |                  |                  | SW              | NW             |                    |
| 49N                   | 05E                | 5                    |                  |                  | SE              | NW             |                    |
| 49N                   | 05E                | 6                    |                  |                  | NE              | NE             |                    |
| 49N                   | 05E                | 6                    |                  |                  | NW              | NE             |                    |
| 49N                   | 05E                | 6                    |                  |                  | SE              | NE             |                    |

## Conditions

## Code Conditions

- 180 A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustrative purposes.
- 126 Place of use is within the service area of the Murray Water Association Inc., water system No. ID1400039, as provided for under Idaho law. The place of use is generally described as located within Sections 5 and 6 of Township 49 North, Range 5 East and does not include federal public lands.
- 01M After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to use power records to determine the amount of water diverted and shall annually report the information to the Department.
- 004 This right does not grant any right-of-way or easement across the land of another.

## Dates

Licensed Date : 2/2/2021  
Decreed Date :  
Permit Proof Due Date : 7/1/2018  
Permit Proof Made Date : 7/30/2018  
Permit Approved Date : 6/20/2013  
Permit Moratorium Expiration Date :  
Enlargement Use Priority Date :  
Enlargement Statute Priority Date :  
Application Received Date: 6/22/2011  
Protest Deadline Date: 8/22/2011

## Other Information

State or Federal :  
Water District Number : NWD  
Generic Max Rate Per Acre : 0  
Generic Max Volume Per Acre : 0  
Civil Case Number :  
Decree Plaintiff :  
Decree Defendant :  
Swan Falls Trust or Nontrust :  
Swan Falls Dismissed :  
DLE Act Number :  
Cary Act Number :  
Mitigation Plan: False

#### Attachment 4-D

Murray Water Association (MWA) operates a Public Water Supply (PWS) according to the Idaho Department of Environmental Quality (IDEQ) that serves 41 private and commercial connections. The PWS is considered a community system.

The original water system was constructed over 100 years ago to provide water to the town of Murray, which was a mining camp of several thousand people. The original source for the water system was Alder Creek. The Alder Creek surface water intake was abandoned due to the threat of viral, bacterial and giardia contamination associated with surface water sources. The surface water source was replaced by Well#1 in 1993.

Well#1 is within 50-feet of nearby sewage septic disposal pits and does not meet the setback requirements of IDEQ. These septic sites pose a threat to the water quality and public health of the users.

MWA is pursuing new groundwater sources to provide alternatives in case of electrical or mechanical failure of Well#1. Depending on the results of the drilling project, Well#1 may be considered for abandonment.

Other water rights are identified in section C-1 of the transfer application. These rights serve private residences located within the MWA service boundary and are not connected to MWA. Successful wells will be pump tested to document the sustained yield of the wells according to PWS requirements by IDEQ. During pump testing procedures, the nearest private wells will be monitored for interference.

RECEIVED  
USE TYPEWRITER OR  
BALLPOINT PEN  
JAN 12 1994

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEBATED TRACERIT



Form 11/97 **JUN 14 1999**

## 076528

1. WELL TAG NO. D 0005978  
DRILLING PERMIT NO. 94-99-N-8  
Other IDWR No.

Name James Gitter  
Address P.O. Box 413  
City Murray State ID Zip 83874

Sketch map location must agree with written location.


 Twp. 49 North ☒ or South ☐  
 Rge. 5 East ☒ or West ☐  
 Sec. 6 1/4 NE 1/4 NE 1/4  
 Gov't Lot \_\_\_\_\_ County Shoshone  
 Lat \_\_\_\_\_ Long \_\_\_\_\_  
 Address of Well Site Richard Crk Rd  
 City \_\_\_\_\_

Lt. 3/4 Blk. Sub. Name Murray Ives Add

☒ Domestic    ☐ Municipal    ☐ Monitor    ☐ Irrigation  
☐ Thermal    ☐ Injection    ☐ Other

☒ New Well ☐ Modify ☐ Abandonment ☐ Other \_\_\_\_\_☒ Air Rotary    ☐ Cable    ☐ Mud Rotary    ☐ Other

| SEAL/FILTER PACK |      |    | AMOUNT             | METHOD   |
|------------------|------|----|--------------------|----------|
| Material         | From | To | Sacks of<br>Pounds |          |
| bentonite        | 0    | 25 | 4                  | overbore |
|                  |      |    |                    |          |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) \_\_\_\_\_  
Was drive shoe seal tested? ☐ Y ☐ N How? \_\_\_\_\_

| Diameter | From | To               | Gauge | Material | Casing                              | Liner                               | Welded                              | Threaded                 |
|----------|------|------------------|-------|----------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 6        | +2   | 25 $\frac{1}{2}$ | 250   | steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4        | -3   | 103              | 160   | PVC      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
|          |      |                  |       |          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_

Perforations Method Saw  
Screens Screen Type

| From | To  | Slot Size | Number | Diameter | Material | Casing                   | User                                |
|------|-----|-----------|--------|----------|----------|--------------------------|-------------------------------------|
| -65  | 103 | 1/8x4     | 24     |          | pvc      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |

16 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or  
control devices: \_\_\_\_\_  
CAP

49 N 5 E 6

☐ Pump    ☐ Bailer    ☒ Air    ☐ Flowing Artesian

| Yield gal./min. | Drawdown | Pumping Level | Time |
|-----------------|----------|---------------|------|
| 7               |          | 100           | 1hr  |

Water Temp. cold Bottom hole temp. \_\_\_\_\_

Water Quality test or comments:

## 12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

[illegible]

Completed Depth 103ft (Measurable)  
Date: Started 5/3/99 Completed 5/3/99

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Bronson Water Wells Firm No. 360

Firm Official Cliff Bronson Date \_\_\_\_\_

and

Driller or Operator \_\_\_\_\_ Date \_\_\_\_\_

(Stop once I find Client & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

RECEIVED

Form JUN 14 1999  
11/97

IDAHO DEPARTMENT OF WATER RESOURCES  
WELL DRILLER'S REPORT

Office Use Only  
Inspected by \_\_\_\_\_  
Twp \_\_\_\_\_ Rge \_\_\_\_\_ Sec \_\_\_\_\_  
1/4 1/4 1/4  
Lat : : Long: : :  
☒ Air ☐ Flowing Artesian

076532

IDWR/North

1. WELL TAG NO. D 00010019

DRILLING PERMIT NO. 94-97-N-12

Other IDWR No.

2. OWNER:

Name O. J. Lodahl

Address 6092 Prichard Crk Rd

City Murray State ID Zip 83874

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N  
W  
E  
S  
Twp. 49 North ☒ or South ☐  
Rge. 5 East ☒ or West ☐  
Sec. 5 1/4 NE 1/4 NE 1/4  
Gov't Lot \_\_\_\_\_ County Shoshone  
Lat: : Long: : :  
Address of Well Site same  
City \_\_\_\_\_  
(Give at least name of road + Distance to Road or Landmark)

Lt. \_\_\_\_\_ Bld. \_\_\_\_\_ Sub. Name \_\_\_\_\_

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation  
☐ Thermal ☐ Injection ☐ Other \_\_\_\_\_

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other \_\_\_\_\_

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other \_\_\_\_\_

7. SEALING PROCEDURES

| SEAL/FILTER PACK |      |    | AMOUNT          | METHOD   |
|------------------|------|----|-----------------|----------|
| Material         | From | To | Sacks or Pounds |          |
| bentonite        | 0    | 18 | 4               | overbore |

Was drive shoe used? ☒ ☐ N Shoe Depth(s) \_\_\_\_\_

Was drive shoe seal tested? ☐ Y ☐ N How? \_\_\_\_\_

8. CASING/LINER:

| Diameter | From | To  | Gauge | Material | Casing                              | Liner                               | Welded                              | Threaded                 |
|----------|------|-----|-------|----------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 6"       | +2   | 38  | 250   | steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4        | -25  | 105 | 160   | PVC      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_

9. PERFORATIONS/SCREENS

Perforations Method saw

Screens Screen Type \_\_\_\_\_

| From | To  | Slot Size | Number | Diameter | Material | Casing                   | Liner                               |
|------|-----|-----------|--------|----------|----------|--------------------------|-------------------------------------|
| 85   | 105 | 1/8x1/4   | 24     |          | pvc      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

11 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: cap

11. WELL TESTS:

☐ Pump ☐ Bailor

| Yield gal./min. | Drawdown | Pumping Level | Time |
|-----------------|----------|---------------|------|
| 8               |          | 100           | 1hr  |

Water Temp. cold Bottom hole temp. \_\_\_\_\_

Water Quality test or comments: \_\_\_\_\_

Depth first Water Encounter 50

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

| Bore Dis. | From | To  | Remarks: Lithology, Water Quality & Temperature | Y | N |
|-----------|------|-----|-------------------------------------------------|---|---|
| 8         | 0    | 18  | clay&gravel                                     |   |   |
| 6         | 18   | 24  | clay&gravel                                     |   |   |
|           | 24   | 35  | soft blue shale                                 |   |   |
|           | 35   | 105 | firm blue shale, with soft spots throughout     | X |   |

Completed Depth 105ft (Measurable)  
Date: Started 5-7-99 Completed 5-7-99

13. DRILLER'S CERTIFICATION

We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Bronson Water Wells Firm No. 360

Firm Official Clint Bronson Date 5-14-99

and Driller or Operator \_\_\_\_\_ Date \_\_\_\_\_

(Sign once if Firm Official & Operator)





FOIA b3  
JUN 7 4 1993

**076530**

IDWR/North

1. WELL TAG NO. D D0005979

DRILLING PERMIT NO. 94-99-N-10

Other IDWR No.

**2. OWNER:**

2. OWNER. Name Ralph Wilson

Address P. O. Box 398

City Murray State ID Zip 83874

**3. LOCATION OF WELL by legal description:**

Sketch map location must agree with written location.



Twp. 49 North ☒ or South ☐  
 Rge. 5 East ☒ or West ☐  
 Sec. 6 1/4 NE 1/4 NE 1/4  
160 acres 60 acres 160 acres  
 Gov't Lot \_\_\_\_\_ County Shoshone  
 Lat. : : Long. : :  
 Address of Well Site Richard Crk Rd  
 City \_\_\_\_\_

Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. \_\_\_\_\_ Name \_\_\_\_\_

#### 4. USE:

☒ Domestic    ☐ Municipal    ☐ Monitor    ☐ Irrigation  
☐ Thermal    ☐ Injection    ☐ Other \_\_\_\_\_

### 5. TYPE OF WORK

**5. TYPE OF WORK** check all that apply (Replacement etc.)  
☒ New Well ☐ Modify ☐ Abandonment ☐ Other \_\_\_\_\_

## 6. DRILL METHOD

☒ Air Rotary    ☐ Cable    ☐ Mud Rotary    ☐ Other

## 7. SEALING PROCEDURES

| SEAL/FILTER PACK |      |    | AMOUNT          | METHOD   |
|------------------|------|----|-----------------|----------|
| Material         | From | To | Sacks or Pounds |          |
| hentonite        | 0    | 18 | 5               | overbore |
|                  |      |    |                 |          |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) \_\_\_\_\_  
Was drive shoe seal tested? ☐ Y ☐ N How? \_\_\_\_\_

**8. CASING/LINER:**

| Diameter | From | To  | Gauge | Material | Casing                              | Liner                               | Welded                              | Threaded                 |
|----------|------|-----|-------|----------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 6        | +1½  | 38½ | 250   | steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4        | -25  | 185 | 160   | PVC      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
|          |      |     |       |          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_

## 9. PERFORATIONS/SCREENS

Perforations Method saw  
Screens Screen Type \_\_\_\_\_

| From | To  | Shot Size | Number | Diameter | Material | Casing                   | Lower                               |
|------|-----|-----------|--------|----------|----------|--------------------------|-------------------------------------|
| 145  | 185 | 1/8x4     | 24     |          | pvc      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |

**10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:**

20 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or  
control devices: C&D

49 N 5 E 6

## 11. WELL TESTS:

☐ Pump    ☐ Bailor    ☐ Air    ☐ Flowing Artesian

| Yield gal/min. | Drawdown | Pumping Level | Time |
|----------------|----------|---------------|------|
| 3              |          | 180           | 1hr  |

Water Temp. cold Bottom hole temp. \_\_\_\_\_

Water Quality test or comments: \_\_\_\_\_

Depth first Water Encounter 70

## 12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

[illegible]

Completed Depth 185ft (Measurable)  
Date: Started 5/6 Completed 5/6/99

### 13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Bronson Water Wells Firm No. 360

Firm Official Clint Brown Date 5/14/99

Driller or Operator \_\_\_\_\_ Date \_\_\_\_\_

(Sign once if Firm Official & Owner)

FORWARD WHITE COPY TO WATER RESOURCES

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 94-8142  
Exam Date: 06/17/2020

1. Current Owner:  
MURRAY WATER ASSN 115 WALT ALMQUIST AVENUE MURRAY ID 83874
2. Accompanied by: Steve Hale & Mrs. Leslie Abrams-Rayner  
Phone No: 208-682-9962 & 208-929-1045  
Address: Steve Hale - 6518 Prichard Creek ST, Murray ID 83874  
Relationship to permit Holder: Steve Hale – VP, Murray Water Assn INC  
Leslie Abrams-Rayner – General Manager, Gem State Water (water operator)

**3. SOURCE:**  
GROUND WATER

Method of Determination: Arcmap and DRG

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

| Water Right No. | Source         | Purpose of Use | Basis                                            |
|-----------------|----------------|----------------|--------------------------------------------------|
| 94-7379         | GOLD RUN CREEK | DOMESTIC       | LICENSE – PARTIAL DECREEED IN CSRBA              |
| 94-8260         | GROUND WATER   | DOMESTIC       | Beneficial Use Claim – PARTIAL DECREEED IN CSRBA |
| 94-8289         | GROUND WATER   | DOMESTIC       | Beneficial Use Claim – PARTIAL DECREEED IN CSRBA |
| 94-8319         | GROUND WATER   | DOMESTIC       | Beneficial Use Claim – PARTIAL DECREEED IN CSRBA |
| 94-8320         | GROUND WATER   | DOMESTIC       | Beneficial Use Claim – PARTIAL DECREEED IN CSRBA |

Comments: Right(s) 94-7379, 94-8260, 94-8289, 94-8319, and 94-8320 are all domestic use rights that collectively account for seven homes water uses (94-8289 services 3 homes) located within the service area POU for this water right. Combined these five rights account for 7 of the 11 total homes not connected to Murray Water Association's municipal water services. The homes associated with these five rights were not service connected at time of field exam, and are not a concern for overlap with right 94-8142.

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

| Water Right No. | Source | Purpose of Use | Basis |
|-----------------|--------|----------------|-------|
|                 |        |                |       |
|                 |        |                |       |

Comments: \_\_\_\_\_

**C. DIVERSION AND DELIVERY SYSTEM****1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE¼ NE¼, Sec. 6, Twp 49N, Rge 05E, B.M. SHOSHONE County

Method of Determination: GPS; well 94-93-N-23-000 is located at -115°51.513, 47°37.674

**PLACE OF USE: MUNICIPAL**

| Twp | Rng | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 49N | 05E | 5   |    |    |    |    | X  | X  | X  | X  |    |    |    |    |    |    |    |    |        |
| 49N | 05E | 6   | X  | X  |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |        |

Method of Determination: Field exam and Arcmap aerial imagery.

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

- ☒ 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 ID No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------|------------|----|------------------|-----------|-----------------------------------|
| 94-93-N-23-000            |            | 5  |                  |           |                                   |

#### D. FLOW MEASUREMENTS

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
| NONE                  |      |      |           |            |      |             |

2. Measurements: Water main line routed directly from well to pressure tanks without adequate pipe requirements to complete a flow measurement.

#### E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: Theoretic pumping equation derives a flow rate of 50.4 gpm, with the 5hp pump installed at a depth of 210 feet and 45 PSI operating pressure. Field exam photograph taken of the water system's engineering report (excerpt - see backfile photographs) validates this value with their "Maximum Tested Yield" equal to 50 GPM. 50.4 gpm equates to 0.11 cfs considering department rounding standards.

#### F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

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

2. Volume Calculations for Other Uses:

Municipal annual volume & Maximum diversion volume = 41 service connections x 0.6 af (per home) = 24.6 af

**G. NARRATIVE/REMARKS/COMMENTS**

Field exam performed on 6/17/2020 with the applicant's representative, Steve Hale – VP Murray Water Assn, and the systems water operator, Leslie Abrams-Rayner – General Manager with Gem State Water, showed one well providing groundwater for municipal purposes for Murray Water Assn. At the POD, ground water well 94-93-N-23-000 used a 5hp pump to divert water directly to pressure tanks before routing via water lines in the service area. I was unable to perform a flow measurement due to inadequate pipe requirements. A theoretic pump equation was calculated deriving a flow rate equal to 50.4 gpm or 0.11 cfs, considering department rounding standards. A hard copy of the water system's engineering report was available for review during the field exam. A photograph was taken of the system's 'Source Facilities', which discussed well information. In the report, the 5hp pump was tested and shown to have a "Max. Tested Yield" of 50 GPM. Based on this information and the theoretic pump equation, **0.11 cfs** is recommended for licensing purposes.

During the exam, photographs of several lots within the service area were taken; the municipal POU consists of multiple historic buildings, two restaurants, a county maintenance shop facility, and numerous residential homes. In speaking with Mr. Hale, it was annotated that there are 41 service connections and 11 separate homes that are not associated with the water system. Of the 41 service connections, 19 were identified as full time residences, and the remaining 22 were homes that were more seasonal use residents. While conducting the field exam, minimal irrigation was found to be occurring around the small lots and businesses in the service area. Based on these considerations, in home water usage is the primary municipal water use on an annual basis. Arcmap aerial imagery was used to trace out the municipal POU, which consists of numerous small government lots likely tied to historic mining claims. The numerous government lots were not annotated in ADHOC, rather the broader section, township, and range legal conforming to municipal legal descriptions were used to detail the POU for licensing purposes.

Following the exam volume data was requested from Mrs. Leslie Abrams-Rayner, Murray Water Assn's system operator. The City of Murray had contracted with a different water operator during the majority of the permit's development period (2013-2018). Leslie is the general manager at Gem State Water, and assumed management of the municipal system in 2018. Leslie provided data from April 2018 to 2020, but calculating a quality annual volume for any portion of that time proved unreliable due to several large scale leaks that occurred with the water system during the periods volume data was tracked. The prior water operator did not practice good volume reporting, and prior to 2018 volume data is inconclusive. As a result, the annual volume was derived using the calculation 41 homes x 0.6 af per home = **24.6 af**, which is recommended as the maximum diversion volume for licensing. This value is slightly larger than one of the metrics derived from 2018-2020 volume data, but provides allowances for the 22 homes with historic seasonal water usage to divert on a more full time basis in future years.

Leslie identified that Murray Water Assn was in the process of applying for grant money to update the aging system's infrastructure, which if secured and developed will reduce water volume loss due to leaks, making the water system more efficient. At that time, or if Murray Water Assn grows in service connection requirements, and the 24.6 af recommended for licensing of this permit does not meet the service demands a new application for permit will be required.

Conditions 26A, 134, and 046 were removed from the permit during licensing review. Condition 126 was updated to reflect Murray Water Assn's water system No. ID1400039. All other conditions on the permit will remain on the license. Overlap concerns: Right(s) 94-7379, 94-8260, 94-8289, 94-8319, and 94-8320 are all domestic use rights that collectively account for seven homes water use (94-8289 services 3 homes) located within the service area POU for this water right. Combined

these five rights account for 7 of the 11 total homes not connected to Murray Water Assn INC.'s municipal water services. The homes associated with these five rights were not service connected at time of field exam, and are not a concern for overlap with right 94-8142. There are no additional overlap concerns for this right.

Have conditions of permit approval been met?   X   Yes        No

#### H. RECOMMENDATIONS

##### 1. Recommended Amounts

| <u>Beneficial Use</u> | <u>Period of Use</u> | <u>Rate of Diversion</u> | <u>Annual Volume</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| MUNICIPAL             | 01/01 to 12/31       | 0.11 CFS                 | 24.6 AF              |

Totals: 0.11 CFS 24.6 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

#### I. AUTHENTICATION

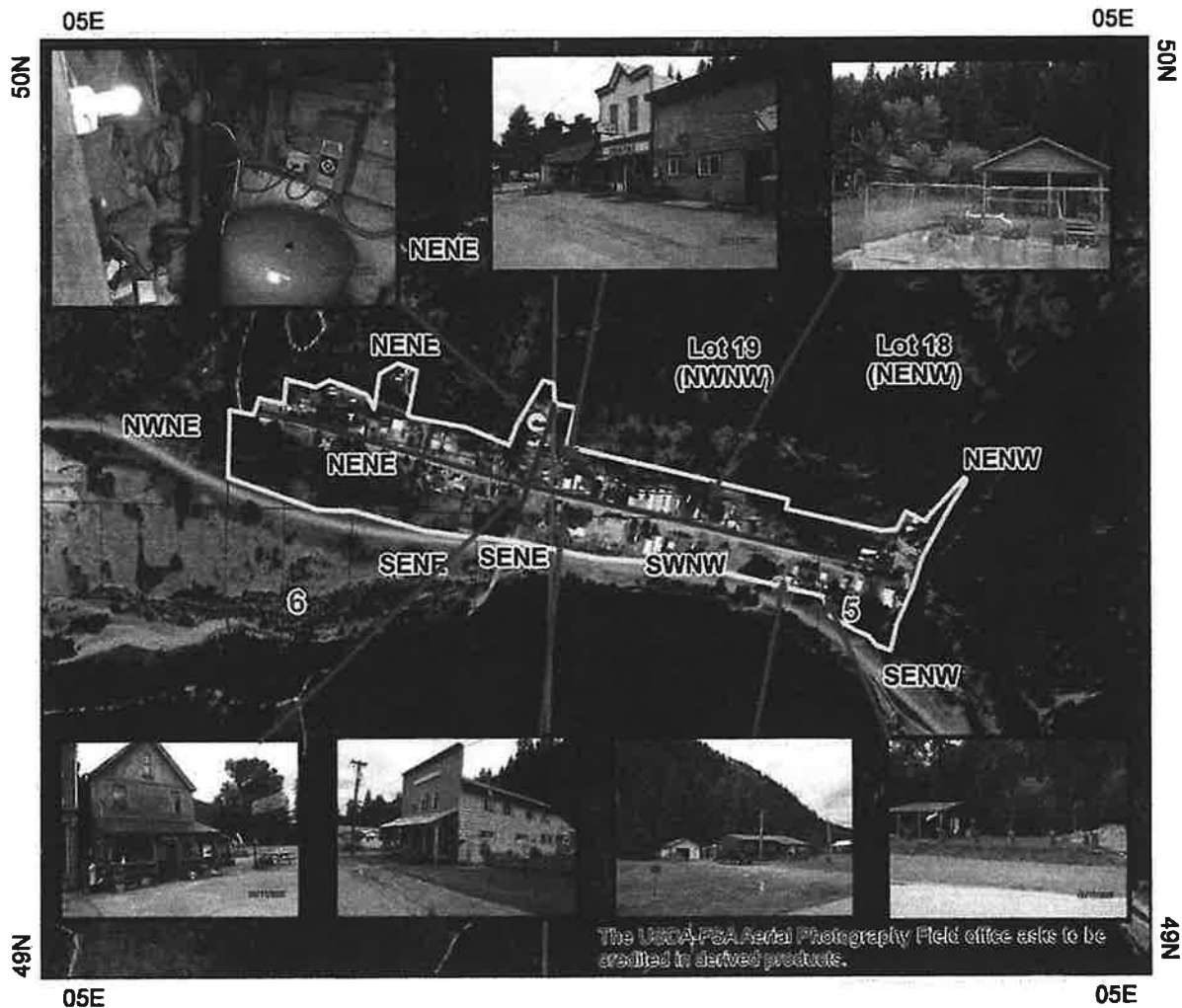
Luke Bates - Water Resource Agent

Field Examiner's Name LSABED Date 2/2/2021

Reviewer John Fink Date 2/2/2021

State of Idaho  
Department of Water Resources  
**Attachment to Field Exam**  
94-8142

MUNICIPAL system diagram.



- ⊙ Point of Diversion
- Water Service Area Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.1 0.2 0.4 Miles



The UICPA-P&A Aerial Photography Field office asks to be credited in derived products.

## THEORETICAL PUMPING EQUATION FOR WR# 94-8142

Theoretical Pumping Equation is required because system did not allow for a proper measurement. Pump is estimated to be at 210 ft, and running at 45 psi.

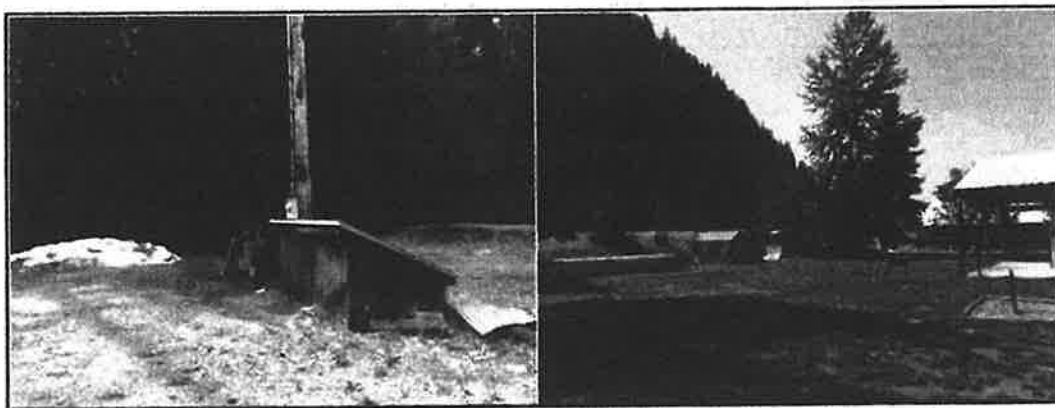
## PUMP EQUATIONS

**WATER RIGHT No. 94-8142**

|                                         |           |                  |                                        |                                 |                                       |
|-----------------------------------------|-----------|------------------|----------------------------------------|---------------------------------|---------------------------------------|
| <b>94-93-N-23-000</b>                   | <b>HP</b> | <b>H in feet</b> | <b>Efficiency<br/>as a<br/>decimal</b> | <b>Pumping<br/>lift in feet</b> | <b>System<br/>pressure<br/>in PSI</b> |
| Q = $HP \cdot 8.8 \cdot \text{Eff} / H$ | 5         | 314.0816         | 0.8                                    | 210                             | 45                                    |
| Q = <b>0.112 cfs</b> <b>50.4 gpm</b>    |           |                  |                                        |                                 |                                       |

# Murray Water Association Drinking Water Facility Plan

Revision 3, Final



Prepared for:  
Murray Water Association

**January 28, 2020**

Prepared by:

Alta Science and Engineering, Inc.  
1220 Big Creek Road, Suite A  
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and

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*Alta*  
Science & Engineering, Inc.

**murraysmith**

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## Murray Water Association Drinking Water Facility Plan – Final

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## Acronyms and Abbreviations

|             |                                                     |
|-------------|-----------------------------------------------------|
| ADD         | Average day demand                                  |
| AACE        | Association for the Advancement of Cost Engineering |
| Alta        | Alta Science & Engineering, Inc.                    |
| CAS         | Compliance Agreement Schedule                       |
| CDA         | Coeur d'Alene                                       |
| CWA         | Clean Water Act                                     |
| DWFP        | drinking water facility plan                        |
| DO          | dissolved oxygen                                    |
| ECWAG       | Emergency Community Water Assistance Grants         |
| EDU         | equivalent dwelling unit                            |
| ESA         | Endangered Species Act                              |
| FEMA        | Federal Emergency Management Agency                 |
| FIRM        | Flood Insurance Rate Map                            |
| HP          | horsepower                                          |
| IDEQ        | Idaho Department of Environmental Quality           |
| IPaC        | Information for Planning and Consultation           |
| IOC         | inorganic chemicals                                 |
| LEP         | Limited English Proficiency                         |
| LCR         | Lead and Copper Rule                                |
| MDD         | maximum day demand                                  |
| MPA         | microscopic particulate analysis                    |
| Murraysmith | Murraysmith, Inc.                                   |
| MWA         | Murray Water Association                            |
| NRCS        | Natural Resources Conservation Services             |
| NWI         | National Wetland Inventory                          |
| O&M         | operations and maintenance                          |
| PHD         | peak hourly demand                                  |
| PVC         | poly-vinyl chloride                                 |

### **2.2.17 Socioeconomic Profile**

The town population estimates for Murray are not available from the United States Census Bureau because the census estimates are grouped together with a larger geographic area that includes the City of Wallace and other small communities. However, conversations with locals indicate a full time population of fewer than 100 residents. The 2014 sanitary survey states there were 35 people in Murray (Appendix E).

The Limited English Proficiency website (LEP 2019), states that Shoshone County population has between 5 and 10% LEP based on the most recent data, from 2015.

## **2.3 Existing Drinking Water System Information**

The water system for the town is owned and operated by the MWA, a non-profit organization.

### **2.3.1 Site and Infrastructure**

The sole water source supplying the community of Murray is a well located on a small MWA-owned lot on the west side of Walt Almquist Avenue, north of Prichard Creek Road (Figure 2). The well was drilled in 1993 and is 245 feet deep. Attachment B in Appendix A contains the well log under the name Almquist). There is one pressure zone controlled by two captive air (bladder) 80-gallon tanks.

The MWA property contains a partially underground pump house that includes the well and two pressure tanks, a generator for use during power loss, a power pole, and a gravel driveway. The 2014 sanitary survey describes the area surrounding the well (Appendix E). Photographs of the lot and pump house are provided in Appendix F.

MWA does not have any well operations and maintenance (O&M) records (MWA, personal communication 8/11/2018). The well is in good condition; MWA and the 2014 sanitary survey found no issues with the well.

The previous pump in the well was a McDonald 40-gpm submersible pump with a like-kind 5-horsepower (HP) motor, and was installed on May 7, 2014 at a depth of approximately 210 feet. The pump was replaced on November 4, 2016 at a cost of approximately \$5,500. There are no records of pumping schedules (daily, weekly, monthly, or seasonally). The pump runs when customers use water.

The existing distribution system consists of approximately 4,000 feet of 4-inch poly-vinyl chloride (PVC) pipe, located along Prichard Creek Road, and has 32 connections (see Figure 7 and Appendix G). The distribution system existed prior to the well installation, and had numerous leaks. The western half of the distribution line was replaced by 2001 and the eastern half of the line was replaced by November 2002, fixing many leaks. The elevation at the well site is approximately 30 feet higher than the lowest portions of the distribution system. The water is not treated prior to distribution to the customers. There are no well or distribution O&M records (MWA, personal communication 8/11/18). The system periodically loses pressure; there are no records for dates/times of the pressure losses or households affected (MWA, personal communication 8/11/2018). As noted in Section 2.3.4, the pressure loss is thought to be due to a decline of water in the well and leaks in the distribution line.

There is no cross-connection control program, but the system has a backflow prevention.

A sanitary survey was last conducted on August 15, 2014 (Appendix E).

**Appendix E**  
**Most Recent Sanitary Survey**

- 2) There was exploratory excavation in June 2014 over the distribution system on the south side of Prichard Creek Road to investigate a potential leak. No leak was identified in this portion.

#### Monitoring and Reporting

- 1) A monthly source sampling schedule for *E. coli* was required in response to the inability to abandon nearby sanitary sewer home seepage pits located on adjacent properties.

#### System Management and Operation

- 1) Complaint investigations were conducted by the Department in 2014 relating to pressure and water quality. A town meeting was held in August 2014 to discuss problems in the water system.
- 2) Negotiations were initiated in August 2014 between Arlen Lish and water system users to discuss a transfer of ownership in Murray Water Works.

#### Operator Compliance with State Requirements

- 1) The system was disapproved by the Department in June 2014 for lacking a certified operator.

### **SOURCE FACILITIES**

#### Well #1

**Original Construction Date:** July 28, 1993      **Well Log:** Permit #94-93-N-23-000  
**Total Depth:** 245 FT      **Casing:** 6 IN x 34 FT      **Intake:** Open Bottom  
**Static Level:** 20 FT      **Pump:** 5 HP @ 40 GPM      **Max. Tested Yield:** 50 GPM  
**Lat / Long:** 47.62790 / -115.85851      **TRS:** T49N R5E S6  
**Surface Seal:** 34 FT, Bentonite      **Confining Layers:** Hard shale at multiple levels  
**Modified:** No modifications known

Well #1 is located on a small lot fronting Walt Almquist Avenue, and the well site is owned by the water system. The general area surrounding the well consists of developed residential lots and undeveloped land to the west. A 50-foot isolation zone around the well contains the pump house structure, a utility pole, a gravel roadway, adjacent property lines, and a residential dwelling to the north. A 100-foot isolation zone around the well additionally contains four residential dwellings and at least two sanitary sewer home seepage pits. Topography is moderately sloped from north to south in the immediate vicinity of the well, and it is steeply sloped in the greater surrounding area. The well site is approximately 30 feet higher in elevation than the lowest portions of the service area.

Well #1 is located inside the well house structure. The top of the well casing projects above the foundation walls and surrounding ground surface. The well is capped with a split-cap seal featuring a screened vent, top-mounted discharge piping, and caulk sealant around the pump wire entrance. There were no apparent gaps or cracks leading into the well casing. Well discharge piping features galvanized iron and PVC fittings, a master flow meter, a pressure gauge, a

pressure switch, two captive air (bladder) tanks, pipe unions, a check valve, and an isolation valve. A threaded hose bib tap near the floor is available for entry point sampling and it can serve as a means of discharging to waste through a garden hose. The discharge piping conveys water directly to the distribution system.

The well house structure consists of one partially-buried unit with poured concrete walls, a concrete floor with drain, and wood framing above grade. The structure generally appears to direct local runoff away, provide adequate protection from the weather, and prevent unauthorized access. The well house is minimally sized for the existing equipment, and it appears to have a limited capacity for the installation of additional water system appurtenances.

The well was first evaluated in March 2001 for the influence of surface water using the Ground Water Under the Direct Influence (GWUDI) process on the source. Department files indicate setbacks, a field survey, and proximity to Alder Creek (approximately 100 feet) formed the basis of an initial determination that the source required further evaluation. Results from one micro-particulate analysis (MPA) conducted in June 2008 indicated the presence of one primary indicator at low levels and the presence of six secondary indicators at low levels. Because of the zero risk factor determined by the analyzing laboratory, the well source was determined to be ground water by the Department in the sanitary survey dated July 9, 2008.

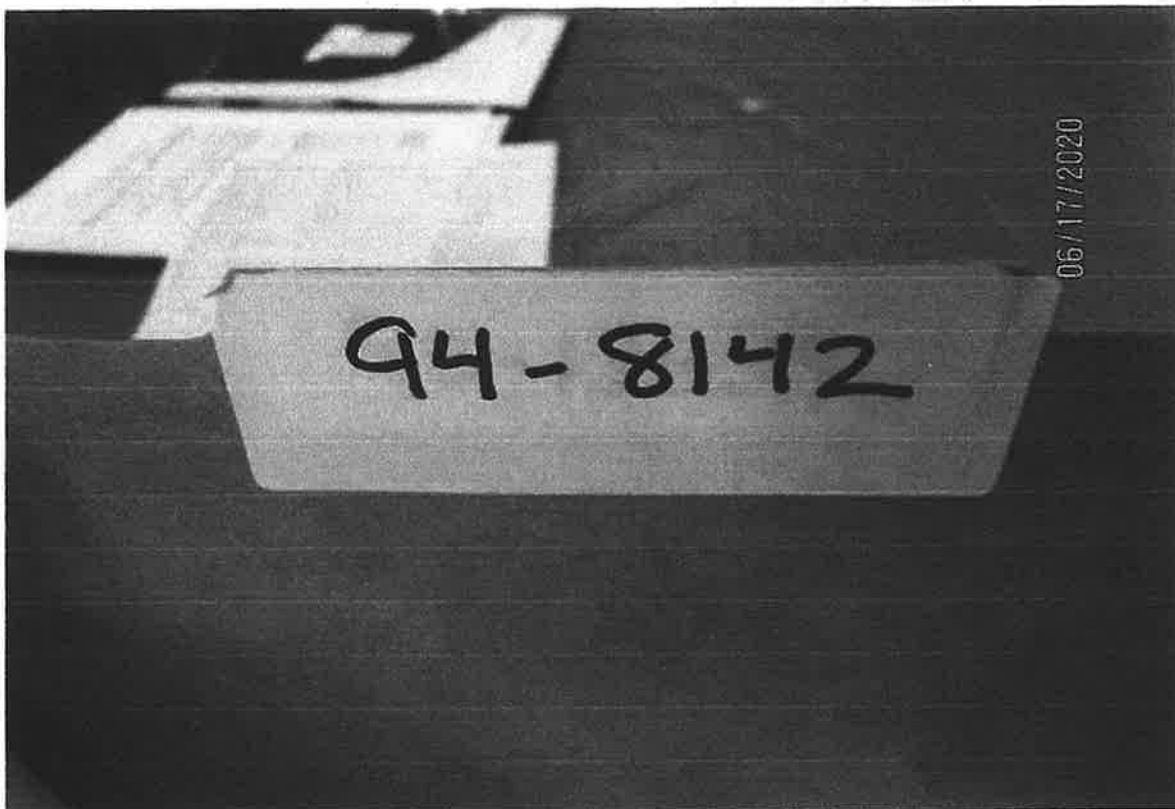
Source deficiencies were noted at the time of inspection:

The well must be located a minimum of 50 feet from any potential source of contamination. A corroding 55-gallon drum with contents that appear to be diesel is located within approximately ten feet of the well and well house. Address the deficiency by removing the drum, the fuel, and all other waste containers from the well site. IDAPA 58.01.08(900)(01)

A permanent means for measuring water level within the casing must be provided. Well #1 does not have the means to measure water levels within the casing, and there are indications that the water level may be fluctuating below the current pump intake under prolonged pumping. At the time of the next Material Modification, address the deficiency by installing the means to measure water levels in the casing under both static and pumping conditions. IDAPA 58.01.08(511)(06)(c)

A community water system served by ground water with any sources constructed after July 1, 1985 shall have a minimum of two sources. The water system has only one ground water source (constructed in 1993). At the time of the next Material Modification, address the deficiency by constructing a redundant source under these requirements. Prior to any proposed construction, consult with the Department for review and approval requirements. IDAPA 58.01.08(513)(02)

Sources of contamination must be in compliance with minimum setback distances from a public water system well. Well #1 is less than 50 feet from adjacent property boundaries and less than 100 feet from two individual home seepage pits. Monitor the deficiency by collecting a monthly *E. coli* biological sample from Well #1 as long as the condition remains. At the time of the next Material Modification, address the deficiency by ensuring adequate setback distances to the source under these requirements. IDAPA 58.01.08(510)(02)

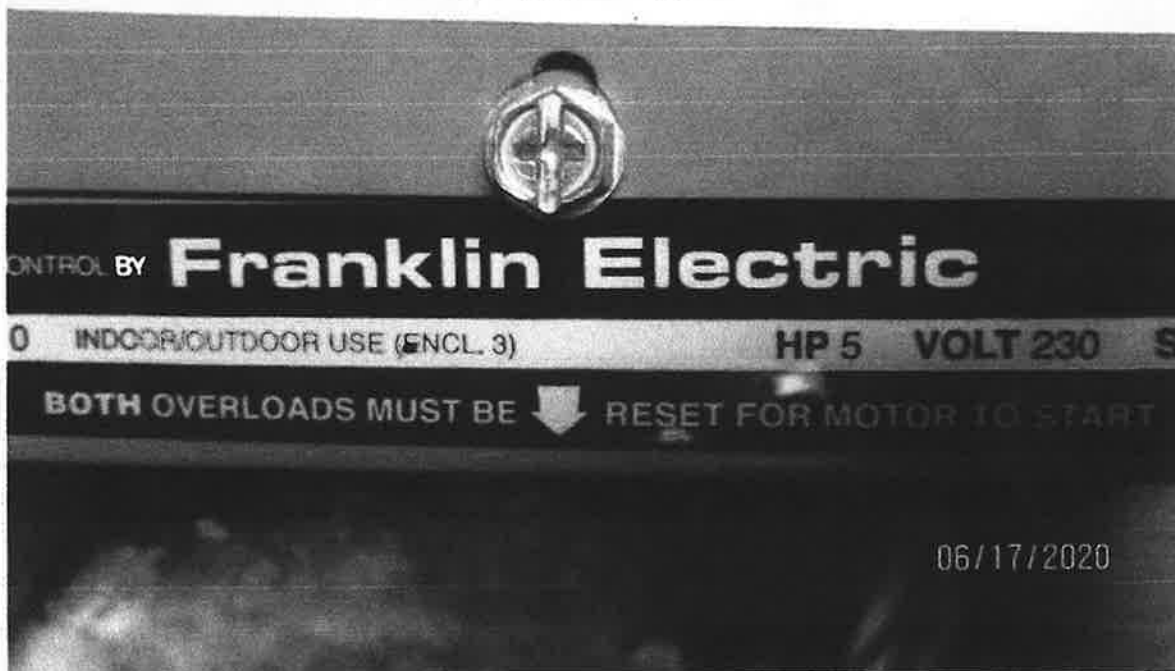




PUMP HOUSE CONTAINING PRESSURE TANK FOR WATER SYSTEM

**METAL PARTS HAVE BEEN PROPERLY GROUNDED  
ACCORDING TO APPLICABLE CODES.**

155661101 RE





FLOW METER INSTALLED ON SYSTEM

#### Operator Compliance with State Requirements

- 1) The system was disapproved by the Department in June 2014 for lacking a certified operator.

#### **SOURCE FACILITIES**

##### Well #1

**Original Construction Date:** July 28, 1993      **Well Log:** Permit #94-93-N-23-000  
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Well #1 is located inside the well house structure. The top of the well casing projects above the ground surrounding around surface. The well is approximately 30 feet higher in elevation than the lowest portions of the service area.



MUNICIPAL POU





MUNICIPAL POU





MUNICIPAL POU





MUNICIPAL POU



IDAHO DEPARTMENT OF  
**WATER RESOURCES**

Northern Region • 7600 N Mineral Drive, Suite 100 • Coeur D'Alene, ID 83815-7763  
Phone: 208-762-2800 • Fax: 208-762-2819 • Email: [northerninfo@idwr.idaho.gov](mailto:northerninfo@idwr.idaho.gov) • Web: [idwr.idaho.gov](http://idwr.idaho.gov)

**Governor Brad Little**

**Director Mathew Weaver**

February 27, 2025

MURRAY WATER ASSN INC  
115 ALMQUIST AVE  
MURRAY, ID 83874

RE: Transfer No. 89601  
Water Right No. 94-8142

Dear Applicant:

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the SHOSHONE NEWS PRESS on 3/7/2025 and 3/14/2025. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

Please contact this office if you have any questions regarding the application.

Sincerely,

Micki Bowman  
Administrative Assistant

CC: JAMES S DE SMET  
212 W IRONWOOD DR SUITE D #671  
COEUR D ALENE, ID 83814-1403

STEVE HALE  
6518 PRICHARD CREEK ST  
MURRAY, ID 83874

## **Bowman, Micki**

---

**From:** Bowman, Micki  
**Sent:** Thursday, February 27, 2025 2:24 PM  
**To:** Anna Moody; Robert Steed  
**Subject:** Request for Comments for Transfer No 89601  
**Attachments:** 89601 Application for Transfer.pdf

The Department of Water Resources is seeking written comment and/or recommendations from your agency regarding the above referenced Transfer application. You can find copies of the application at: <https://research.idwr.idaho.gov/apps/waterrights/wrajsearch/wradjsearch.aspx>

This office can publish notice of the application as soon as the initial review is completed; therefore, your prompt response to this request is appreciated. If your agency desires to formally protest the approval of the application(s), you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication. **The deadline for comments on the application is March 24, 2025.**

Please contact the Northern Region Office at (208) 762-2800 if you have any questions regarding the Transfer application.

**Micki Bowman | Administrative Assistant 1**  
Idaho Department of Water Resources  
Northern Regional Office  
7600 N Mineral Drive, Suite 100  
Coeur d'Alene, ID 83815-7763  
Phone (208) 762-2807



## Bowman, Micki

---

**From:** Bowman, Micki  
**Sent:** Thursday, February 27, 2025 12:28 PM  
**To:** legals@cdapress.com  
**Subject:** Legal Notice for Shoshone News Press  
**Attachments:** 89601 Legal Notice.docx

Please publish the enclosed legal notice in the **Shoshone News Press** on the dates indicated **March 7 & 14, 2025** (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

**Please send a proof once you have the article ready for print for our review.**

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before **March 24, 2025**. Your cooperation is appreciated.

**Micki Bowman | Administrative Assistant 1**

Idaho Department of Water Resources  
Northern Regional Office  
7600 N Mineral Drive, Suite 100  
Coeur d'Alene, ID 83815-7763  
Phone (208) 762-2807



IDAHO DEPARTMENT OF  
**WATER RESOURCES**

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT  
TRANSFER NO. 89601**

MURRAY WATER ASSN INC, 115 ALMQUIST AVENUE, MURRAY, ID 83874 has filed Application No. 89601 for changes to the following water rights within SHOSHONE County(s): Right No(s). 94-8142; to see a full description of these rights and the proposed transfer, please see <https://research.idwr.idaho.gov/apps/waterrights/querynewtransfers>. The purpose of the transfer is to change a portion of the above rights as follows:

**This transfer proposes adding two (2) new points of diversion to Murray Water Assn Inc's existing GW right 94-8142. Four well sites are proposed but only 2 will be developed; located in the SW1/4NW1/4 and NW1/4NW1/4 of Section 5, Twp 49N, Rge 05E, and the NE1/4NE1/4 of Section 6, Twp 49N, Rge 05E.**

For additional information concerning the property location, contact Northern Region office at (208)762-2800. Protests may be submitted based on the criteria of Idaho Code Sec. 42-222. Any protest against the proposed change must be filed with the Department of Water Resources, Northern Region, 7600 N MINERAL DR STE 100, COEUR D ALENE ID 83815-7763 together with a protest fee of \$25.00 for each application on or before 3/24/2025. The protestant must also send a copy of the protest to the applicant.

MATHEW WEAVER, Director Published on 3/7/2025 and 3/14/2025

## MEMORANDUM

**Date:** February 24, 2025

**To:** Transfer 89601

**From:** Luke Bates *ysb 2/24/2025*

**Re:** Legal Notice Remarks

This transfer proposes adding two (2) new points of diversion to Murray Water Assn Inc's existing GW rights 94-8142. Four well sites are proposed but only 2 will be developed; located in the SW1/4NW1/4 and NW1/4NW1/4 of Section 5, Twp 49N, Rge 05E, and the NE1/4NE1/4 of Section 6, Twp 49N, Rge 05E.