

# THE MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

DNRC Water Resources  
Billings Regional Office  
1371 Rimtop Dr.  
Billings, MT 59105-1978

December 26, 2025

Scott M. & Pamela K. Griswold  
33 Sand Creek Road  
Bridger, MT, 59014-9581

Subject: Correct and Complete Application for Beneficial Water Use Permit Application No. 43D 30171860

Dear Applicant,

The Department of Natural Resources and Conservation (Department) has determined that your application is correct and complete pursuant to ARM 36.12.1601. Please remember that correct and complete **does not mean that your application will be granted.** The purpose of this letter is to indicate that the Department has enough information to analyze your water right application.

The Department will issue a Draft Preliminary Determination within 60 days of the date of this letter per §85-2-307(2)(b), MCA.

Following issuance of the Draft Preliminary Determination, you (Applicant) will have 15 business days to request an extension of time to submit additional information, if desired pursuant to §85-2-307(3)(a), MCA.

If no extension of time is requested and the Draft Preliminary Determination decision is to grant your application or grant your application in modified form, the Department will prepare a notice of opportunity to provide public comment, per §85-2-307(4)(a), MCA.

If no extension of time is requested and the Draft Preliminary Determination decision is to deny your application, the Department will adopt the Draft Preliminary Determination as the final determination per §85-2-307(3)(d)(ii), MCA.

If you have any questions or concerns about the application process, please contact me.

Sincerely,

A handwritten signature in blue ink that reads "C Strebeck". The signature is fluid and cursive, with the first letter "C" being particularly large and stylized.

Cassey Strebeck  
Water Resource Specialist  
Billings Regional Office, Montana DNRC  
Cassey.Strebeck@mt.gov  
406-247-4422



DNRC.MT.GOV



**APPLICATION FOR  
BENEFICIAL WATER USE  
PERMIT**

§ 85-2-302, MCA

Form No. 600 (10/2025)

For Department Use Only

**FILING FEE**

**\$2900/\$1600 – Inside a Basin Closure Area, Controlled Groundwater Area or Compact Closure; without/with filing fee reduction.**

**\$2500/\$1200 – Outside a Basin Closure Area; Controlled Groundwater Area or Compact Closure; without/with filing fee reduction.**

**INFORMATION**

An application will be eligible for a filing fee reduction and expedited timelines if the applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)). If application is eligible for a filing fee reduction, \$500 paid for Form 600P-B will be credited toward filing fees shown above.

Application # 3071860 Basin 43B  
Priority Date 12/04/25 Time 1045 (AM) (PM)  
Rec'd By CS  
Fee Rec'd \$ 700.00 Check # 2075  
Deposit Receipt # BLS 2610215  
Payor Scott M + Pamela K. Griswold  
Refund \$ \_\_\_\_\_ Date Sand Creek  
Shorth

**Applicant Information: Add more as necessary.**

Applicant Name Scott M Griswold (147423)  
Mailing Address 33 Sand Creek Road City Bridger State MT Zip 59014  
Phone Numbers: Home 406-662-3500 Work N/A Cell 406-690-9765  
Email Address griswoldsmgllc@gmail.com

Applicant Name Pamela K Griswold (147422)  
Mailing Address 33 Sand Creek Road City Bridger State MT Zip 59014  
Phone Numbers: Home 406-662-3500 Work N/A Cell 406-690-9768  
Email Address griswoldmt@gmail.com

Applicant Name \_\_\_\_\_  
Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone Numbers: Home \_\_\_\_\_ Work \_\_\_\_\_ Cell \_\_\_\_\_  
Email Address \_\_\_\_\_

**Contact/Representative Information: Add more as necessary.**

Contact/Representative is: ☒ Applicant ☐ Consultant ☐ Attorney ☐ Other  
Contact/Representative Name Scott M Griswold (147423)  
Mailing Address 33 Sand Creek Road City Bridger State MT Zip 59014  
Phone Numbers: Home 406-662-3500 Work N/A Cell 406-690-9765  
Email Address griswoldsmgllc@gmail.com

**NOTE:** If a contact person is identified as an attorney, all communication will be sent only to the attorney unless the attorney provides written instruction to the contrary (ARM 36.12.122(2)). If a contact person is identified as a consultant, employee, or lessee, the individual filing the water right form or objection form will receive all correspondences, and a copy may be sent to the contact person (ARM 36.12.122(3)).



Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y"), no ("N"), or not applicable ("NA"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Application. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, specify "see attachment" on this form, and label the attachment with the question number. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and "see attachment" must be entered as a response to the relevant question. Clearly label all units in tables and narrative responses.

## **PREAPPLICATION AND TECHNICAL ANALYSES INFORMATION**

1. ☒ Y ☐ N Do you elect for Department technical analyses to be used for criteria assessment?
2. ☒ Y ☐ N Did you have a preapplication meeting AND complete a Permit Preapplication Meeting Form Part A and Part B (Form 600P-A and 600P-B)?

**IF QUESTION 2 IS NO, answer 2.a and 2.b:**

- 2.a. ☐ S Submit the Technical Analyses Addendum (Form 600-TAA).
- 2.b. ☐ S ☐ NA Submit the technical analyses, if you elected in question 1 for Applicant technical analyses to be used for criteria assessment. Select "NA" if you elected for Departmental technical analyses.

**IF QUESTION 2 IS YES, answer 2.c, 2.d, and 2.e:**

- 2.c. ☐ Y ☒ N Has any element of the project described in this application changed from the mandatory elements of the project described in the completed form 600P? **If yes:**  
2.c.i. Please explain.

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- 2.c.ii. ☐ S Submit the Technical Analyses Addendum (Form 600-TAA).

- 2.d. ☒ Y ☐ N Are the technical analyses to be used for criteria assessment exactly the same as those completed during the preapplication process? **If no:**  
2.d.i. Please explain.

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- 2.d.ii. ☐ S Submit the Technical Analyses Addendum (Form 600-TAA).

- 2.e. ☒ Y ☐ N Did you elect in Question 1 for Department technical analyses to be used for criteria assessment? **If no:**  
2.e.i. ☐ S Submit the technical analyses.





## **APPLICATION ADDENDA AND REVIEW**

3. ☐ **S** ☒ **NA** If your application is for groundwater, not surface water, and one or more of your points of diversion are in a Basin Closure Area, then submit the Basin Closure Area Addendum (Form 600-BCA).
4. ☐ **S** ☒ **NA** If your application is for groundwater and one or more points of diversion are in a Basin Closure Area, then your project must have a Hydrogeologic Report that conforms with MCA 85-2-361 to comply with the requirements of § 85-2-360, MCA. A Hydrogeologic Report Addendum (Form 600-HRA) or Department Technical Analyses may be used to meet these requirements. Please mark the box below that best applies, then select "S" if submitting a Hydrogeologic Report or "NA" if one is not required. This question does not apply to surface water points of diversion in a Basin Closure Area.
- ☐ If you elected to conduct Technical Analyses, you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
  - ☐ If you elected for DNRC to conduct Technical Analyses but did not have a preapplication meeting AND complete a Form 600P Permit Preapplication Meeting Form (or changes have occurred since the completed Form 600P), you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
  - ☐ If you elected for DNRC to conduct Technical Analyses, had a preapplication meeting, completed a Form 600P, and the Technical Analyses remain unchanged since the preapplication meeting, you do not need to submit Form 600-HRA because the Department's Technical Analyses meet the report requirements of § 85-2-360 and § 85-2-361, MCA.
5. ☐ **S** ☒ **NA** If the project is for one or more groundwater points of diversion located in a Controlled Groundwater Area, then submit the Controlled Groundwater Area Addendum (Form 600-CGWA).
6. ☐ **S** ☒ **NA** If the project involves an appropriation that is greater than 5.5 CFS and 4,000 acre-feet, then submit a Criteria Addendum Application for Beneficial Water Use Permit for Appropriations Greater than 5.5 CFS and 4,000 AC-FT (Form 600-B).
7. ☐ **S** ☒ **NA** If the project involves out-of-state water use, then submit the Out-of-State Use Addendum (Form 600/606-OSA).
8. ☐ **S** ☒ **NA** If you require mitigation water to meet the criteria of issuance, then submit a Mitigation Purpose Addendum (Form 600/606-MIT).
9. ☐ **S** ☒ **NA** If the proposed purposes include marketing or selling water, (not marketing for mitigation/aquifer recharge), then submit the Marketing Purpose Addendum (Form 600/606-WMA).
10. ☐ **S** ☒ **NA** If the project involves one or more places of storage, then submit a Permit Storage Addendum (Form 600-SA). This does not include reservoirs, pits, pit-dams, or ponds with a capacity less than 0.1 AF; water tanks; or cisterns (ARM 36.12.113(6)).
11. ☒ **S** ☐ **NA** If the project is in designated sage grouse habitat, then submit a review letter from the Montana Sage Grouse Habitat Conservation Program.
12. ☐ **S** ☒ **NA** If the project includes a point of diversion and/or place of use on State of Montana Trust Land, submit documentation of consent from the DNRC Trust Lands Management Division.
13. ☐ **S** ☒ **NA** You must provide a written notice of the application to each owner of an appropriation right sharing a point of diversion or means of conveyance (e.g., canal, ditch, flume, pipeline, or constructed waterway) pursuant to §85-2-302(4)(c), MCA. Submit a copy of this notice and the recipient list.



## PURPOSE AND DIVERSION INFORMATION

14. ☐ Y ☒ N Is the proposed use temporary?

14.a. If yes, when will the appropriation cease? \_\_\_\_\_

15. Is the proposed source surface water or groundwater? Surface Water

16. What is the source name? Sand Creek

17. ☒ S Attach a map utilizing an aerial photograph or topographic map that shows the following: section corners; township and range; north arrow; scale bar; all proposed points of diversion labeled with a unique Point of Diversion (POD) ID number and, if applicable, GWIC number; all proposed places of use; all proposed conveyance facilities and or routes; all proposed places of storage labeled with a unique Storage ID number; and places of use (POU) for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.

18. Fill out the table below. Means of diversion for surface water includes headgate, pump, dam, and others. Means of diversion for groundwater includes well, developed spring, pit pond, and others.

Purpose	Means of Diversion	Acres Irrigated (if appl.)	Period of Diversion (Month/Day - Month/Day)	Period of Use (Month/Day - Month/Day)	Flow Rate		Volume (Acre-Feet)
					<input type="checkbox"/> GPM	<input checked="" type="checkbox"/> CFS	
Irrigation	Pump	23.8	05/01-09/30	05/01-09/30	4.1		86.7
Total Flow Rate and Volume Required					4.1		86.7

19. ☒ Y ☐ N Does the proposed use include on or more of the following purposes: domestic, multiple domestic, stock, or irrigation? If yes, fill out the table below, where applicable.

Purpose	Requested Information	Response
Domestic or multiple domestic	Number of households and bedrooms served per household	
Stock	Number of animal units	
Irrigation	Method of irrigation type (sprinkler or flood) and subtype (if flood: level border, graded border, furrow, contour ditch, or other; if sprinkler: center pivot, wheel line, or other)	Fld(cont)45%eff-4.5A;(gated)60%eff-19.2A
Irrigation (flood only)	Design slope	

## POINT(S) OF DIVERSION

20. Describe the proposed location of the point(s) diversion to the nearest  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  Section. Label each POD with the POD ID number used for the project map (question 17).

POD #	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot
1-TU	SW	SW	SW	4	6S	23E	Carbon					
1-TD	SW	SW	SW	4	6S	23E	Carbon					

## PLACE OF USE

21. What are the geocodes of the place of use?

10-0449-04-3-03-05-0000	

22. Describe the legal land description for the proposed place of use and, if applying for an irrigation or lawn and garden purpose, list the number of irrigated acres.

Acres	Gov. Lot	Block	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County
22.6				Sw	SW	4	6S	23E	Carbon
1.2	10			SE	SW	4	6S	23E	Carbon



## **SUPPLEMENTAL AND OVERLAPPING WATER RIGHTS**

23. ☒ Y ☐ N Will other water rights supplement or overlap the place of use to contribute to the purpose(s)?

23.a. If yes, summarize how the supplemental and proposed water rights will be operated as a whole to serve the purpose(s).

Existing Sand Creek Canal Company Ditch Shares - (43D 199999-00) - Are not reliable or  
always available; thus, applicant will continue to use the ditch shares when available, and  
will use the proposed water right (permit) when the ditch shares are not available, or to  
augment insufficient ditch share water. The proposed pump system diverting Sand Creek  
water will share a common ditch intake with the existing system that delivers ditch shares  
water; thus, it can be used independently, or in conjunction with the existing infrastructure.

24. For each supplemental or overlapping water right, please list the water right number, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed to the shared place of use.

Water Right #	Average Period of Diversion	Average Period of Use	Flow Rate	Volume Contributed
43D 199999-00	04/01 - 10/15	04/01 - 10/15	225 CFS	0.0-86.7AF

25. ☒ Y ☐ N Will this application supplement contract water from a Federal Project, ditch company, or other source?

25.a. If yes, explain.

Existing Sand Creek Canal Company Ditch Shares - (43D 199999-00) - Are not reliable or  
always available. The proposed water right (permit) will be used when the ditch share  
water is not available or inadequate for the purpose; thereby, replacing unavailable ditch  
share water or supplementing an insufficient supply of ditch share water.

## **ADVERSE EFFECT**

26. Explain how you can control your diversion in response to a call being made.

Applicant can stop diversion by ceasing pump operation if valid call is made.

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27. Describe any plans you have for ensuring existing water rights will be satisfied during times of water shortage.

Applicant can/will cease diversion pumping if valid call is made, in order to defer to senior water rights on Sand Creek; and will comply with any/all directives regarding the use of Sand Creek Canal Company ditch shares in the event of a water shortage.

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28. ☐ Y ☒ N Are you aware of any calls that have been made on the source of supply or, if groundwater, on nearby surface water sources?

28.a. If yes, explain.

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29. ☐ Y ☒ N Does a water commissioner distribute water or oversee water distribution on your proposed source?

29.a. If yes, list the source(s).

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30. ☐ Y ☒ N Do other water rights share any of the proposed points of diversion?

30.a. If yes, describe how the proposed project will not adversely affect these water rights.

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31. ☐ Y ☒ N Do other water rights share any conveyance infrastructure associated with the proposed project?

31.a. If yes, describe how the proposed project will not adversely affect these water rights.

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## ADEQUATE MEANS OF DIVERSION AND OPERATION

32. ☒ **S** Submit a diagram of how you will operate your system from all proposed points of diversion to all proposed places of use.

33. Describe specific information about the capacity of all proposed diversionary structures. This may include, where applicable: pump curves and total dynamic head calculations, headgate design specifications, and dike or dam height and length.

This project consists of applying for a MT DNRC surface water permit to divert Sand Creek Canal Company waste water from Sand Creek via a pump system to an existing contour ditch for irrigation purposes. The main diversionary feature will consist of a portable pump unit and a floating screen apparatus (see example photos attached). The proposed pump (Cornell Mod. 6RB-20, 20 HP, 1,200 RPM, 11.75" impeller) w/ self-cleaning screen/spray bar will provide 1,850 GPM at 35 feet. The total dynamic head (TDH) at an estimated operating pressure of 5 feet is calculated to be 28.8 feet (see Estimated Pump Design and Cornell 6RB pump curve attached). This capacity closely approximates the existing gravity flow system.

34. Describe the size, materials, capacity, and configuration of infrastructure to convey water from all proposed points of diversion to all proposed places of use. This may include but is not limited to, pipelines and ditches. Include a description of any losses related to the proposed conveyance. Ditch conveyance losses may be estimated numerous ways, which include a ditch loss rate or Department standard methods.

The main diversionary feature will consist of a portable pump unit and a floating screen apparatus (see photos attached). The proposed pump (Cornell 6RB-20, 20 HP, 1,200 RPM, 11.75" impeller) w/ self-cleaning screen/spray bar will provide 1,850 GPM at 35 feet. The pump is configured with a 10" suction and 6" discharge. Water will be conveyed from the pump via 120' of 12" 80# PIP pipe to an intake point at the head of a single contour ditch, and further conveyed to POU directly from the contour ditch, and via gated pipe (10" diam.). Pipe loss from pump to intake point is estimated to be 0.8 feet. Department standards estimate efficiency of flood irrigation via contour ditch to be 45%, and via gated pipe to be 60%.

35. Describe how the proposed diversion and conveyance infrastructure can provide the required flow and volume, for the purposes plus any conveyance losses and storage, throughout the proposed period of diversion.

The existing infrastructure (contour ditch, headgates, gated pipe) servicing the place of use (23.73 irrigated acres) has provided sufficient flow (estimated to be 1,800 gpm) and volume to properly irrigate when ditch share water is available. The proposed diversion is projected to supply 1,850 gpm to the existing intake point, thus providing sufficient flow and volume via the existing system consisting of the same contour ditch, headgates and gated pipe. Any conveyance losses should remain consistent with those experienced by the existing system, with no increase in losses anticipated. Sand Creek water flow/volume is sufficient 5/1-9/30.

36. Provide a plan of operations, which includes specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot.

~~The applicant plans to utilize the proposed pump system to divert water from Sand Creek at times during the period of use (05/01-09/30) when Sand Creek Canal water is not available, or is insufficient, and the flow in Sand Creek is adequate to supply the volume required to irrigate the POU. Water diverted from Sand Creek by the pump system will be conveyed to an existing intake structure located at the highest point on the perimeter of the POU at the head of a contour ditch which lies along the west and north sides of the POU. Water is distributed within the POU entirely by gravity flow directly from that contour ditch (both by means of cut-outs and siphon tubes) and via headgates supplying a system of gated pipe.~~

37. ☐ Y ☒ N Does the proposed conveyance require easements?

37.a. If yes, explain.

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38. ☒ Y ☐ N Do you own the land where all proposed points of diversion are located?

38.a. ☐ S If no, submit documentation to show you have the right to use all points of diversion located on each property you do not own. This may include, but is not limited to, a well agreement, an easement, or permission of the party that owns the property where the proposed point(s) of diversion are located.

39. ☐ Y ☒ N Will your system be designed to discharge water from the project?

IF YES,

39.a. Explain the wastewater disposal method.

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39.b. ☐ Y ☐ N ☐ NA Have the necessary permits been obtained to comply with §§ 75-5-410 and 85-2-364, MCA?

40. ☐ Y ☒ N Do you have any plans to measure your diversion and use?

40.a. If yes, describe the plan and the type of measurements you will take.

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## **POSSESSORY INTEREST**

45. ☐ Y ☒ N Do you meet one of the exceptions to possessory interest requirements, pursuant to ARM 36.12.1802? Exceptions include cases where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use.

45.a. If yes, explain.

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46. ☒ Y ☐ N ☐ NA Do you own all proposed places of use? Mark "NA" if you meet one of the exceptions to the possessory interest requirement.

IF NO,

- 46.a. ☐ S Explain and submit documentation that shows you either have possessory interest or written permission of the parties with possessory interest of the place of use.

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- 46.b. ☒ Y ☐ N Would you like the water right to be appurtenant to the land? Please note that if your water right is not appurtenant to land it will not transfer by default with the conveyance of the property, pursuant to § 85-2-403, MCA.

46.b.i. If no, explain.

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## **PROPOSED COMPLETION PERIOD**

47. How much time will be needed to complete this project and to submit to the DNRC a Project Completion Notice (Form 617)? Approximately 2 years / 24 months.

48. Please describe why this amount of time is needed to complete this project.

The project will require sufficient time to schedule, acquire the necessary equipment and materials, and perform the installation/construction of utility/water lines and pump apparatus.

The time to complete this will be dependent upon labor, equipment and materials availability.





## **AFFIDAVIT & CERTIFICATION**

Read carefully before you sign and review with legal counsel if you have any questions. All owners (or trustees) must sign the form. *\*\*If the owner is a business or trust, include the title of the representative(s) signing the form (i.e., president, trustee, managing partner, etc.) and provide documentation that establishes the authority of the representative to sign the application.*

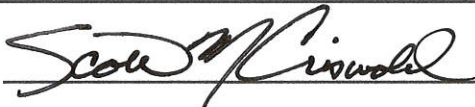
I affirm the information provided for this application is to the best of my knowledge true and correct. If a preapplication meeting form was submitted, I am aware that my application for this project will not qualify for a discounted filing fee and expedited timelines if upon submittal of the application to the Department, I changed any element of the proposed application from the preapplication meeting form and follow-up materials (ARM 36.12.1302(6)(a)).

I affirm I have possessory interest, or the written consent of the person with the possessory interest, in the property where the water is to be put to beneficial use, unless this application meets an exception to the possessory interest requirements in ARM 36.12.1802(1)(b).


I understand that making a false statement under oath or affirmation in this application and official proceedings throughout the examination of my application may subject me to prosecution under § 45-7-202, MCA, a misdemeanor punishable by a jail term not to exceed 6 months or a fine not to exceed \$500, or both. I have read this Affidavit and understand the terms and conditions.

I declare under penalty of perjury and under the laws of the state of Montana that the foregoing is true and correct.

Printed Name Scott M. Griswold (147423)

Applicant Signature  Date: 12/01/2025

Printed Name Pamela K. Griswold (147422)

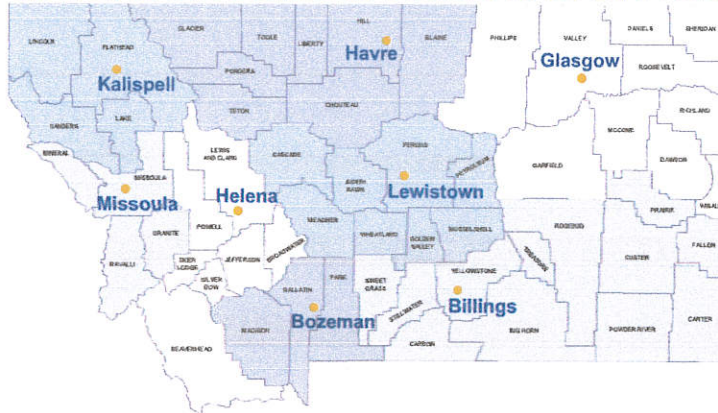
Applicant Signature  Date: 12/01/2025

Printed Name \_\_\_\_\_

Applicant Signature \_\_\_\_\_ Date: \_\_\_\_\_



## WATER RESOURCES REGIONAL OFFICES



### **BILLINGS**

Airport Industrial Park, 1371 Rimtop Dr  
Billings, MT 59105-9702

PHONE 406-247-4415 FAX 406-247-4416

EMAIL [DNRCBillingsWater@mt.gov](mailto:DNRCBillingsWater@mt.gov)

*Big Horn, Carbon, Carter, Custer, Fallon, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, and Yellowstone Counties*



### **HELENA**

1424 9th Ave., PO Box 201601,  
Helena, MT 59620-1601

PHONE 406-444-6999 FAX 406-444-9317

EMAIL [DNRCHelenaWater@mt.gov](mailto:DNRCHelenaWater@mt.gov)

*Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis and Clark, Powell, and Silver Bow Counties*



### **BOZEMAN**

2273 Boot Hill Court, Suite 110  
Bozeman, MT 59715-7249

PHONE 406-586-3136 FAX 406-587-9726

EMAIL [DNRCBozemanWater@mt.gov](mailto:DNRCBozemanWater@mt.gov)

*Gallatin, Madison, and Park Counties*



### **KALISPELL**

655 Timberwolf Parkway, Suite 4  
Kalispell, MT 59901-1215

PHONE 406-752-2288

EMAIL [DNRCKalispellWater@mt.gov](mailto:DNRCKalispellWater@mt.gov)

*Flathead, Lake, Lincoln, and Sanders Counties*



### **GLASGOW**

222 6th Street South, PO Box 1269  
Glasgow, MT 59230-1269

PHONE 406-228-2561

EMAIL [DNRCGlasgowWater@mt.gov](mailto:DNRCGlasgowWater@mt.gov)

*Daniels, Dawson, Garfield, McCone, Phillips, Richland, Roosevelt, Sheridan, Valley, and Wibaux Counties*



### **LEWISTOWN**

613 Northeast Main St., Suite E  
Lewistown, MT 59457-2020

PHONE 406-538-7459

EMAIL [DNRCLeWistownWater@mt.gov](mailto:DNRCLeWistownWater@mt.gov)

*Cascade, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, and Wheatland Counties*



### **HAVRE**

210 6th Ave., PO Box 1828  
Havre, MT 59501-1828

PHONE 406-265-5516

EMAIL [DNRCHavreWater@mt.gov](mailto:DNRCHavreWater@mt.gov)

*Blaine, Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties*



### **MISSOULA**

2705 Spurgin Rd. Bldg. C, PO Box 5004  
Missoula, MT 59806-5004

PHONE 406-721-4284 FAX 406-542-5899

EMAIL [DNRCMissoulaWater@mt.gov](mailto:DNRCMissoulaWater@mt.gov)

*Granite, Mineral, Missoula, and Ravalli Counties*





# APPLICATION FOR BENEFICIAL WATER USE PERMIT

FORM NO. 600

## ATTACHMENTS

Question 11 - Letter from the Montana Sage Grouse Habitat Conservation Program

(4 Pages) Review Letter from Therese Hartman, MSGHCP Manager; Griswold Sand Creek Pump Diversion Project (No. 7175) and Lek Location Map.

Question 17 - (4 Pages) Maps showing an aerial overview of the subject property, and proposed POD, conveyance facilities and POU.

Question 32 - (3 Pages) Diagram of system operation indicating POD, pump station, main pipeline, contour ditch and gated pipelines. See Notes regarding operation of system on "QUESTION 32. ATTACHMENTS" title page.

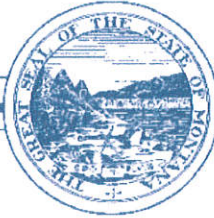
Question 33 - (4 Pages) Project materials prepared by Big Sky Irrigation (Billings, MT): Includes an estimated pump design, Cornell 6RB pump curve, example photos of a portable pump unit w/ floating screen, and a map of the subject property indicating the POD, main pipeline, POU, and survey points used for analysis and estimation purposes.

QUESTION 11.

ATTACHMENTS



## MONTANA SAGE GROUSE HABITAT CONSERVATION PROGRAM



GREG GIANFORTE, GOVERNOR

1539 ELEVENTH AVENUE

STATE OF MONTANA

PHONE: (406) 444-0554  
FAX: (406) 444-6721

PO BOX 201601  
HELENA, MONTANA 59620-1601

Project No. 7175  
Governor's Executive Orders 12-2015 and 21-2015  
Griswold Sand Creek Pump Diversion

Scott Griswold  
33 Sand Creek Road  
Bridger, MT 59014

September 29, 2025

Dear Mr. Griswold,

The Montana Sage Grouse Habitat Conservation Program received a request for consultation and review of your project or proposed activity on September 26, 2025. Based on the information provided, this Project is located within General Habitat for sage grouse. The Bureau of Land Management (BLM) classifies this area as a General Habitat Management Area (GHMA).

Executive Orders 12-2015 and 21-2015 set forth Montana's Sage Grouse Conservation Strategy. Montana's goal is to maintain viable sage grouse populations and conserve habitat so that Montana maintains flexibility to manage our own lands, our wildlife, and our economy and ensure that a listing under the federal Endangered Species Act is not warranted in the future.

The Program has completed its review, including:

### Project Description:

**Project Type:** Agriculture – Water

**Project Disturbance:** 74.53-Foot-Long Buried Pipeline; 473.26-Foot-Long Buried Power Line; 0.002 Acre Pump

**Construction Timeframe:** March 2, 2026 to April 15, 2025; Temporary (<1 Year)

**Operations Timeframe:** April 15, 2026; Permanent (>25 Years)



Hosted by the Montana Department of Natural Resources and Conservation  
Director's Office: (406) 444-2074



**Project Location:**

**Legal:** Township 6 South, Range 23 East, Section 4

**County:** Carbon

**Ownership:** Private

**Project Description and Executive Orders 12-2015 and 21-2015 Consistency:**

The Griswold Sand Creek Pump Diversion Project proposes to install a buried water line and buried power line for irrigation purposes in General Habitat for sage grouse.

The private landowner proposes to install a buried water pipeline and buried power line approximately two miles from Bridger, Montana in Carbon County. See Figure 1 (Griswold Sand Creek Pump Diversion Project and Lek Location Map). The buried pipeline will bring water from Sand Creek via an above ground pump to an existing irrigation ditch to irrigate an existing field. The new buried power line will provide power to the new pump.

To implement the Project, a trencher will be used to dig along an existing, private road to bring water from Sand Creek to the private landowners' existing irrigation ditch. An underground power line will be trenched from the landowner's residence through existing irrigated land to the pump.

At the conclusion of the Project, all disturbed areas will be reseeded to cropland and the road will be re-graveled. Reclamation will occur in April 2026.

Based on the information you provided, your Project is not within two miles of an active sage grouse lek in General Habitat. See Figure 1 (Griswold Sand Creek Pump Diversion Project and Lek Location Map).

**Discussion:**

The Griswold Sand Creek Pump Diversion Project involves installing a new point of diversion, buried pipeline, and buried power line to flood irrigate an existing irrigated field.

Exempt activities are identified in Executive Order 12-2015 (EO) as described in Attachment F. The activities described for the Griswold Sand Creek Pump Diversion Project (item e. agricultural electrical distribution line and item g. irrigation without conversion of sagebrush to newly irrigated land) are exempt from stipulations per Executive Order 12-2015. Your proposed project or activity may need to obtain additional permits or authorizations from other Montana state agencies or possibly federal agencies. They are very likely to request a copy of this consultation letter, so please retain it for your records.





### Program Recommendations:

The following stipulations are taken from Montana Executive Order 12-2015. These stipulations are designed to maintain existing levels of suitable sage grouse habitat by managing uses and activities in sage grouse habitat to ensure the maintenance of sage grouse abundance and distribution in Montana. Development should be designed and managed to maintain populations and sage grouse habitats.

- Reclamation should re-establish native grasses, forbs, and/or shrubs during interim and final reclamation. The goal of reclamation is to achieve cover, species composition, and life form diversity commensurate with the surrounding plant community or desired ecological condition to the benefit of sage grouse and replace or enhance sage grouse habitat to the degree that environmental conditions allow.
- Weed management is required within General Habitat for sage grouse. Reclamation of disturbed areas must include control of noxious weeds and invasive plant species, including cheatgrass (*Bromus tectorum*) and Japanese brome (*Bromus japonicus*).

Your activities are consistent with the Montana Sage Grouse Conservation Strategy. Your proposed project or activity may need to obtain additional permits or authorization from other Montana state agencies or possibly federal agencies. They are very likely to request a copy of this consultation letter, so please retain it for your records.

If the location or boundaries of your proposed project or activity change in the future, or if new activities are proposed within one of the designated sage grouse habitat areas, please visit <https://sagegrouse.mt.gov/> and submit the new information.

Thanks for your interest in sage grouse and your commitment to taking the steps necessary to ensure Montana's Sage Grouse Conservation Strategy is successful.

Sincerely,



Therese Hartman  
Montana Sage Grouse Habitat Conservation Program Manager

### Attachments:

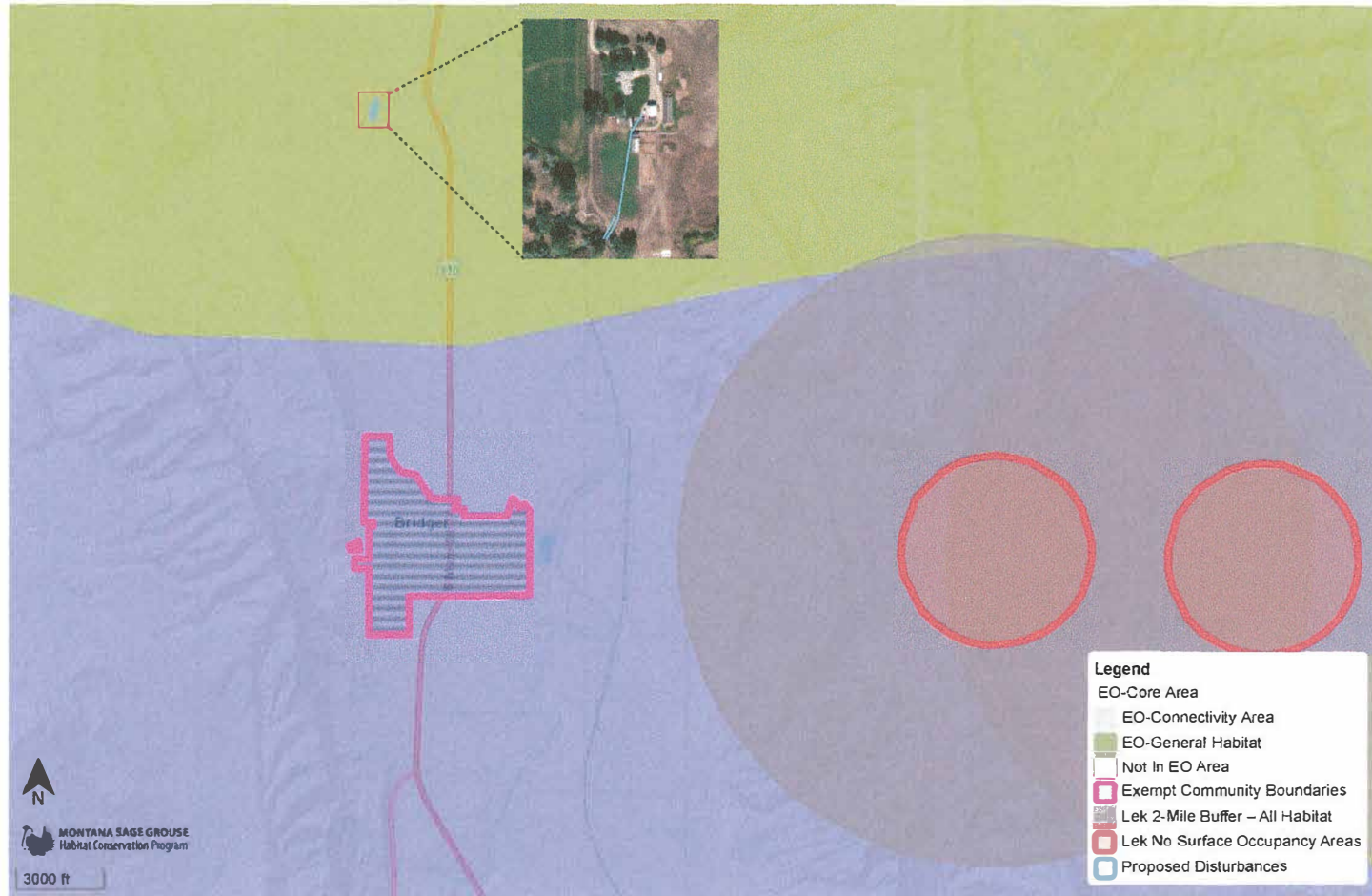
1. Figure 1. Griswold Sand Creek Pump Diversion Project and Lek Location Map





Figure 1

7175\_Griswold Sand Creek Pump Diversion Project and Lek Location



QUESTION 17.

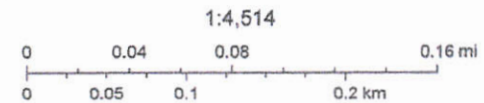
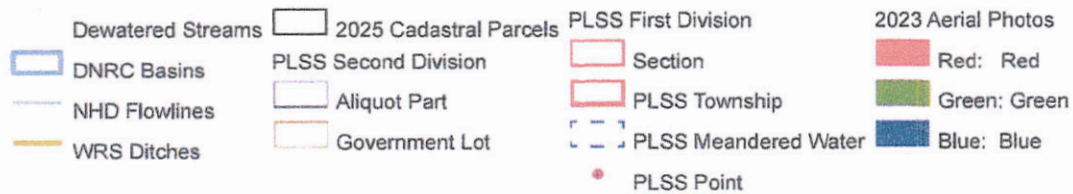
ATTACHMENTS



## Griswold - Permit - Proposed POD &amp; POU



8/28/2025, 3:36:39 PM



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland,



Griswold, Scott M & Pamela K

Griswold - Permit - Proposed POD & POU

Legend

Question 17.

33 Sand Creek Road Aerial

SWSW S04, T06S, R23E



Proposed POD1-TU & 1-TD

Proposed PLACE OF USE (POU)

Open DITCH

Proposed PIPELINES



500 ft

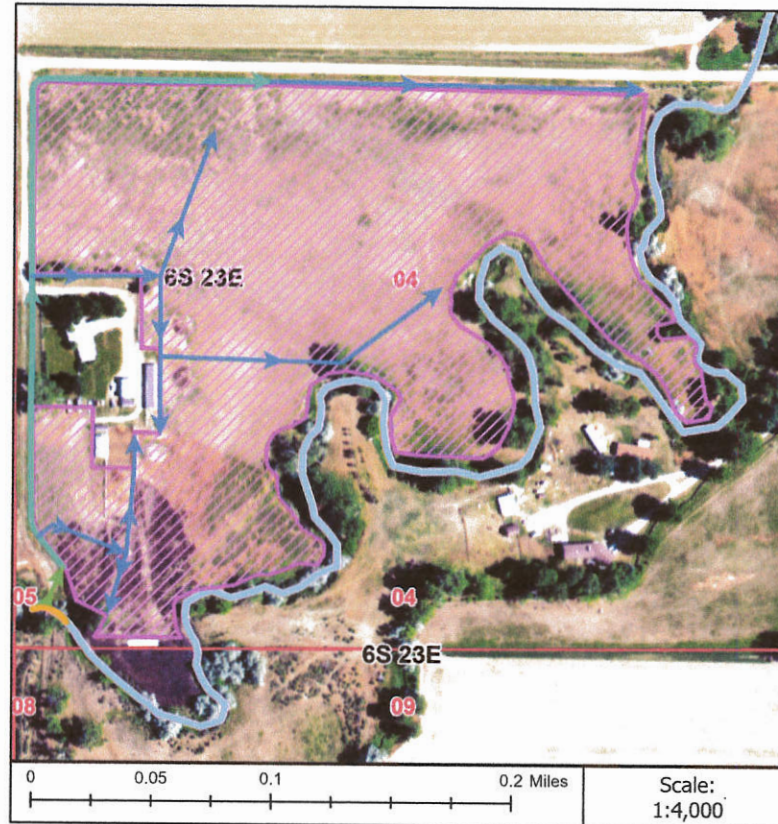
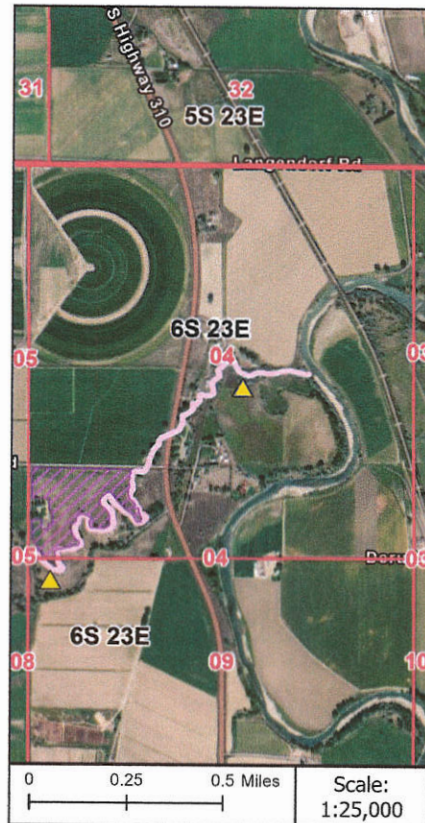
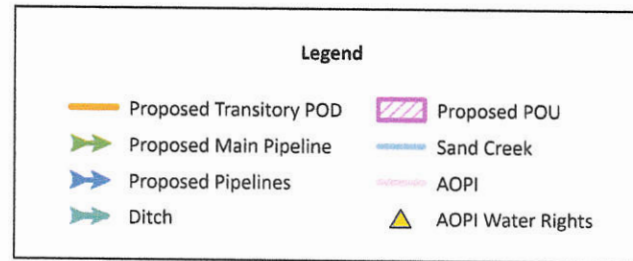
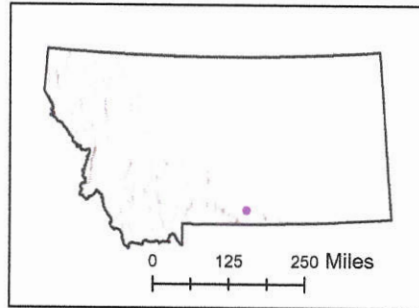
Google Earth

Image © 2025 Airbus



# 43D 30171860 - Griswold - Proposed

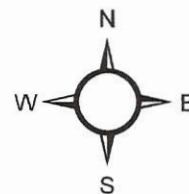
Question 17.



Elements depicted on this map are for illustrative purposes and have not been surveyed by the Department.

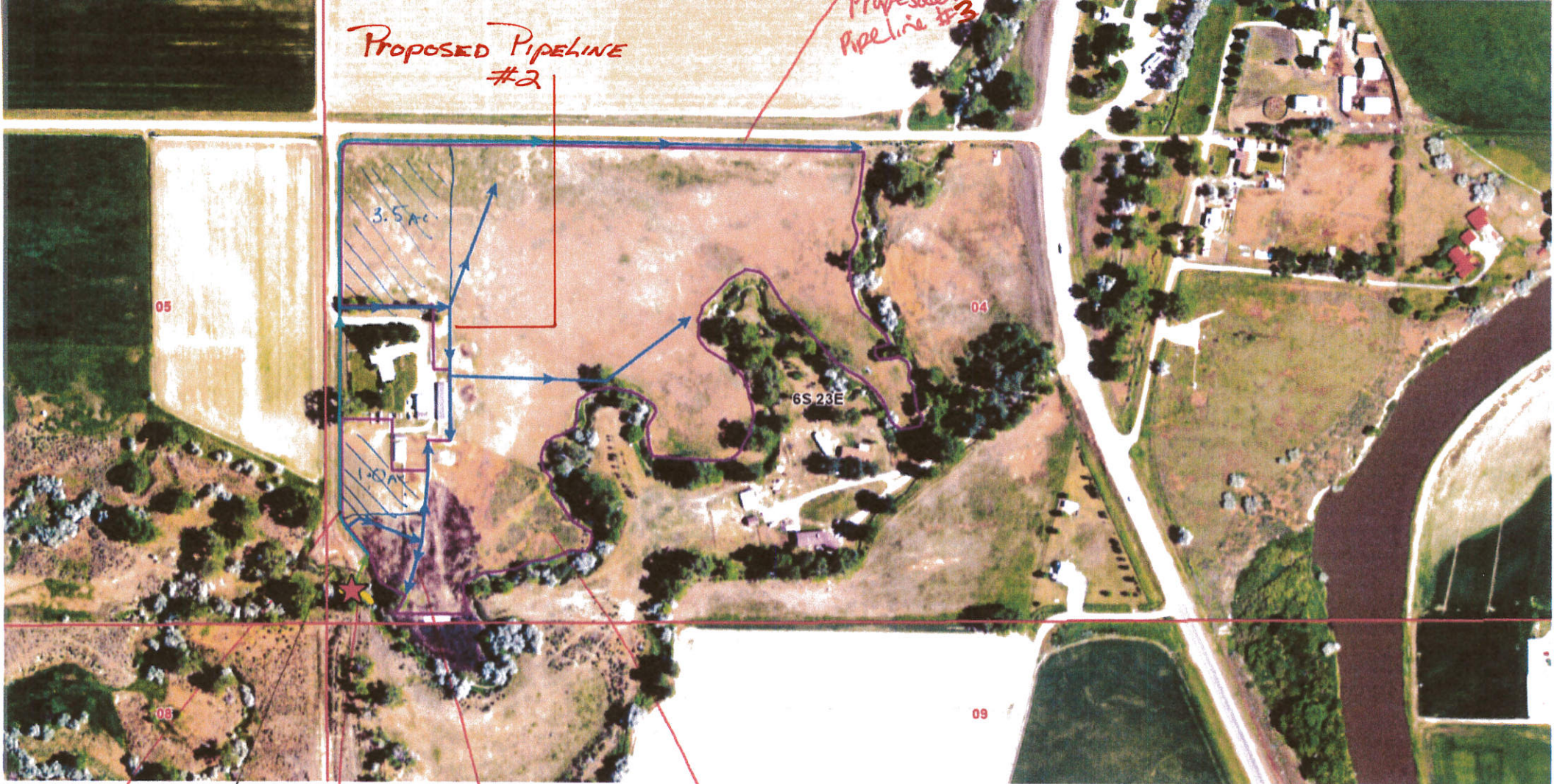


Map Created: 11/12/2025  
Author: Cassey Strebeck,  
Water Resource Specialist



MSDI PLSS:  
World Imagery: Vantor  
World Imagery: Earthstar Geographics  
2021 Aerials:  
Hybrid Reference Layer: Sources: Esri, TomTom,  
contributors, and the GIS User Community  
World Hillshade: Esri, USGS





Ditch

Proposed  
Initial  
Pipeline

Proposed  
Transitory  
POD

Proposed Pipeline System #1

Proposed  
POV



Question 17.

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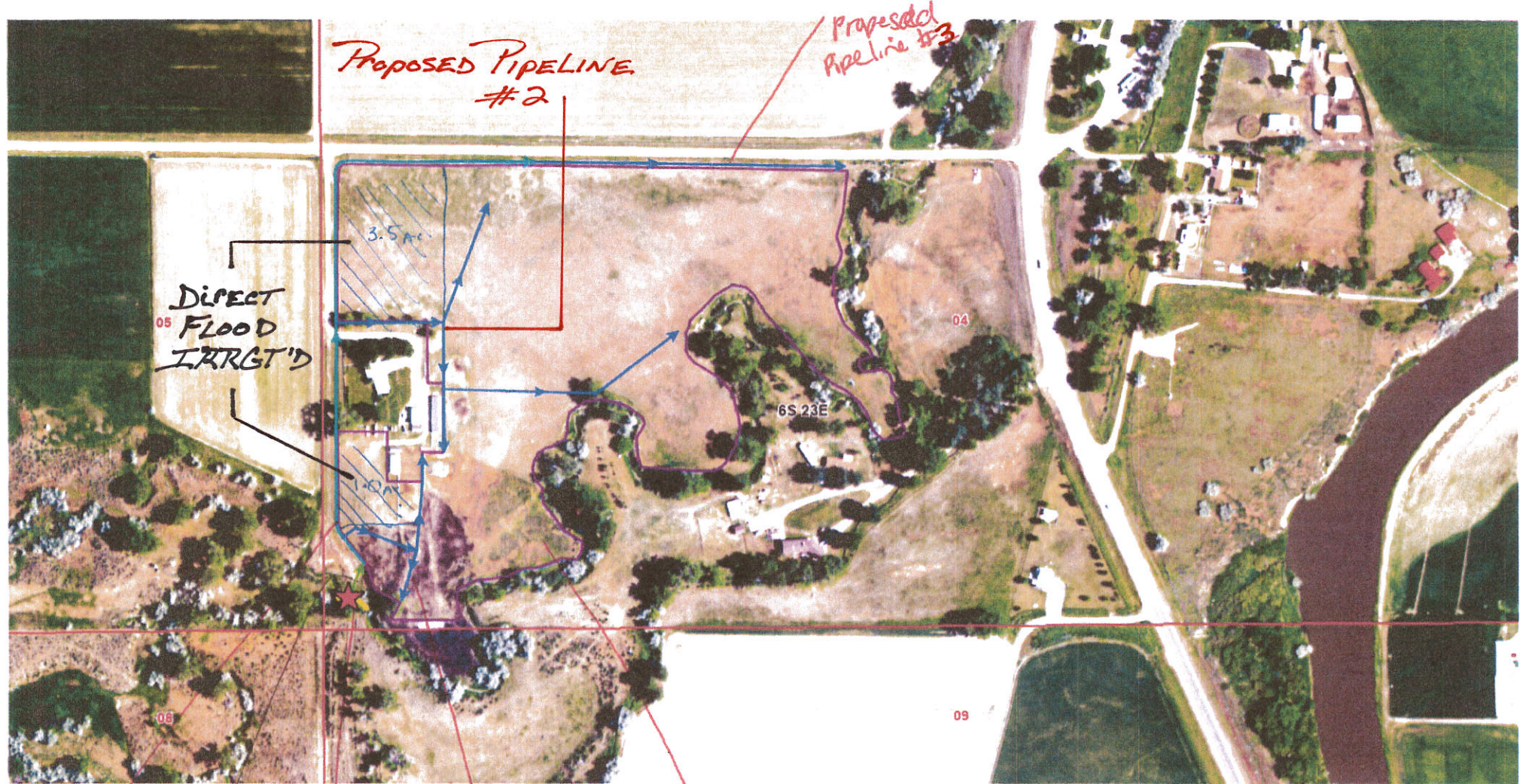
## Griswold Proposed POU + POD

## QUESTION 32.

### ATTACHMENTS

NOTE: The attached diagrams/maps indicate the infrastructure layout of the proposed project under Application 43D 30171860. Operation of the system involves diversion of water from Sand Creek at the proposed transitory point of diversion (POD) utilizing a portable pump unit with floating suction apparatus. Conveyance of the diverted water is via a main pipeline to an intake point at the head of a single contour ditch which follows the west and north boundaries of the place of use (POU). Water is delivered to two (2) small portions of the POU (being approx. 1.0 acre and 3.5 acres respectively) directly from the contour ditch via cutouts and siphon tubes. Water is delivered to the balance of the POU (approx. 19.3 acres) via gated pipe serviced by three (3) headgates located on the contour ditch.





Ditch

Proposed Initial Pipeline

Proposed Transitory POD

Proposed Pipeline System #1

Proposed POV



Question 32.

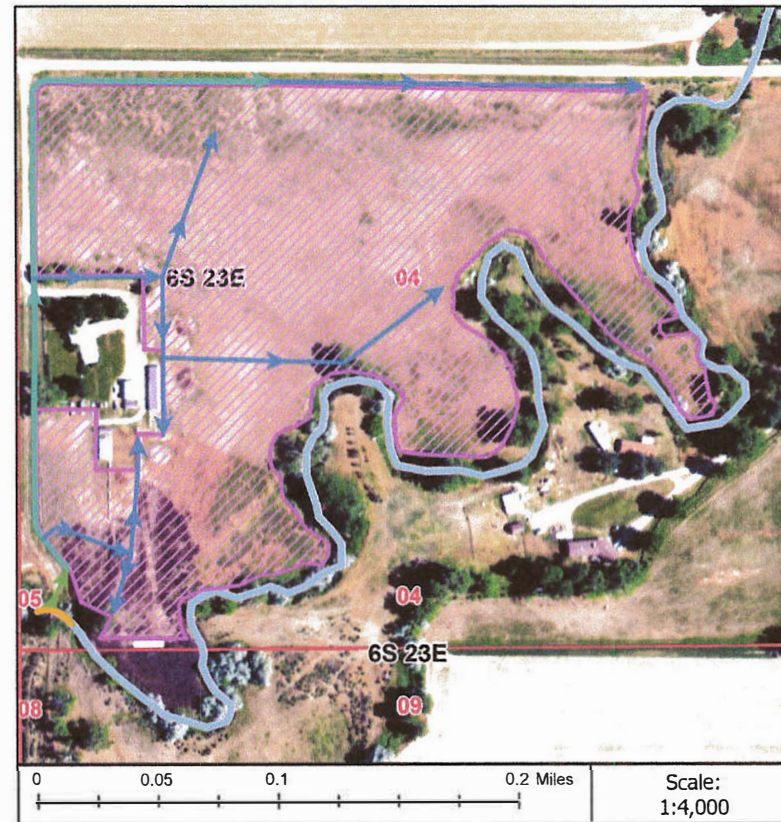
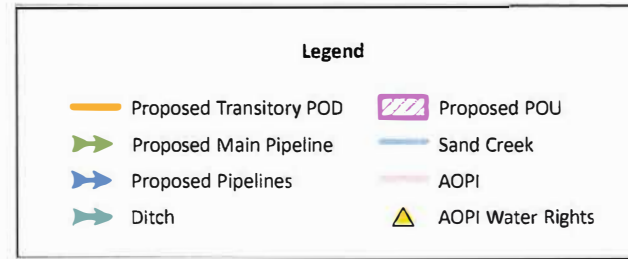
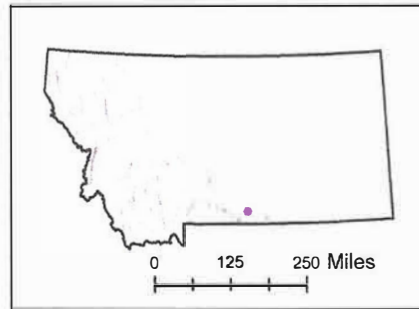
Griswold Proposed POV + POD

1:3044



# 43D 30171860 - Griswold - Proposed

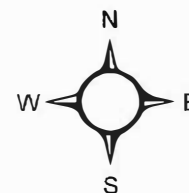
Question 32.



Elements depicted on this map are for illustrative purposes and have not been surveyed by the Department.



Map Created: 11/12/2025  
Author: Cassey Strebeck,  
Water Resource Specialist





MSDI PLSS:  
World Imagery: Vantor  
World Imagery: Earthstar Geographics  
2021 Aerials:  
Hybrid Reference Layer: Sources: Esri, TomTom,  
contributors, and the GIS User Community  
World Hillshade: Esri, USGS







# Griswold, Scott M & Pamela K

Griswold - Permit - Proposed POD & POU

Legend *Question 32.*

-  33 Sand Creek Road Aerial
-  SWSW S04, T06S, R23E

33 Sand Creek Road Aerial

-  Proposed POD1
-  Proposed PLACE OF USE (POU)
-  Open DITCH
-  Proposed PIPELINES



Google Earth

Image © 2025 Airbus

500 ft



QUESTION 33.

ATTACHMENTS



## Scott Griswold Estimated Pump Design

9/19/2025

Big Sky Irrigation - Scott Swenson 406-672-5641 cell

[scott@bigskyirrigation.com](mailto:scott@bigskyirrigation.com)

See attached map

The Existing flood irrigated field is approximately 23 acres. The field in the past was serviced with a 12" irrigation line. Estimated flow from that supply line approximately 1800 gpm.

The new proposal is to abandon the existing buried supply line. We are looking to install a portable pump, to pump out of Sand Creek.

See attached pictures for a portable pump example

### Calculated Pump TDH

	GPM
Proposed Pump Flow	1800
Spray Bar (Self Cleaning screen)	50
	<hr/> 1850
	(Feet)
Lift top of water in creek to top of outlet box	23
Loss 1800 GPM through 120' of 12" 80# PIP	0.8
Estimated Operating Pressure	5
	<hr/> 28.8

***Proposed pump is a Cornell 6RB-20, with 11.75" impeller (1200 RPM), this pump will provide 1850 gpm at 35' which is a 18% pump wear factor***

See attached pump curve



Company: Big Sky Irrigation  
 Name: Scott Griswold 1200 RPM pump  
 Date: 9/19/2025

**Pump:**

Size: 6RB  
 Type: Clear Liquids  
 Synch Speed: 1200 rpm  
 Curve: 6RB12  
 Specific Speeds:  
 Dimensions:  
 Speed: 1175 rpm  
 Dia: 11.375 in  
 Impeller:  
 Ns: 2210  
 Nss: ---  
 Suction: 10 in  
 Discharge: 6 in

**Search Criteria:**

Flow: 1850 US gpm Head: 35 ft

**Fluid:**

Water  
 Density: 62.32 lb/ft<sup>3</sup>  
 Viscosity: 0.9946 cP  
 NPSHa: ---  
 Temperature: 68 °F  
 Vapor Pressure: 0.3391 psi a  
 Atm Pressure: 14.7 psi a

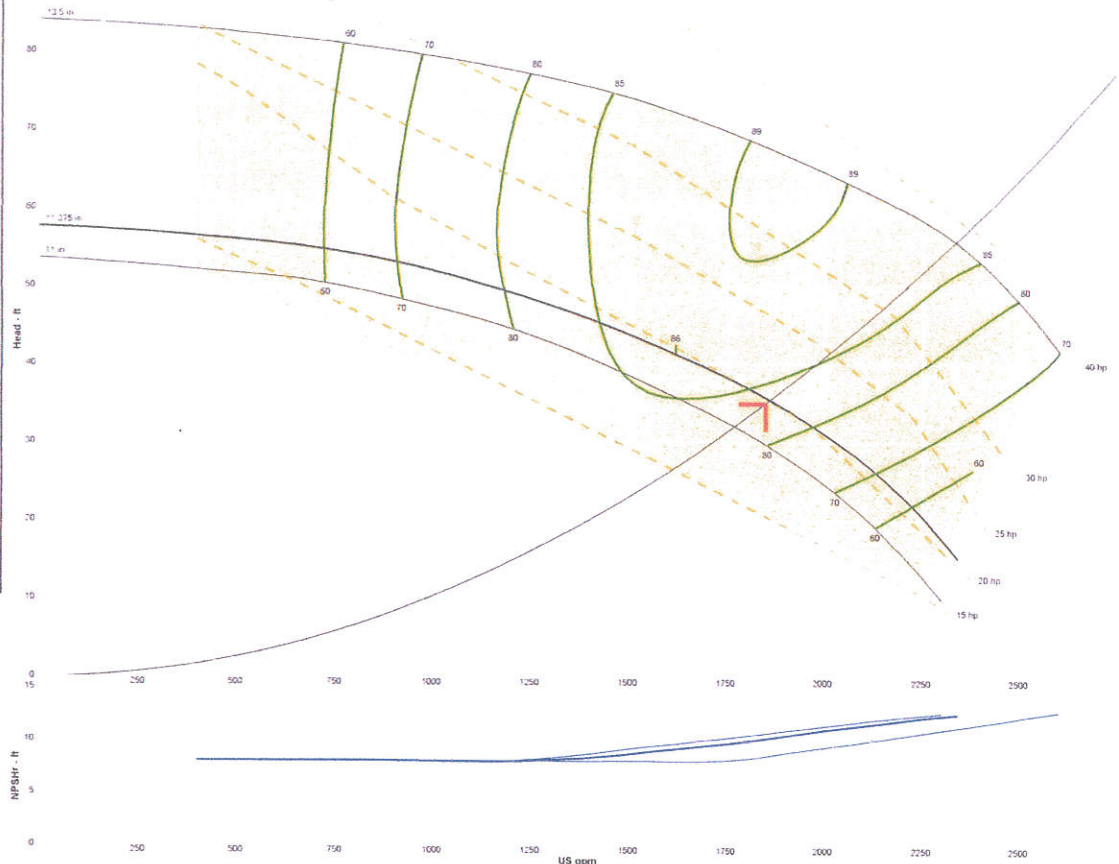
**Motor:**

Standard: NEMA  
 Enclosure: TEFC  
 Sizing Criteria: Max Power on Design Curve  
 Size: 25 hp  
 Speed: 1200 rpm  
 Frame: 324T

**Pump Limits:**

Temperature: 250 °F  
 Pressure: 130 psi g  
 Sphere Size: 1.31 in  
 Power: ---  
 Eye Area: ---

<b>--- Duty Point ---</b>	
Flow:	1861 US gpm
Head:	35.4 ft
Eff:	83%
Power:	19.9 hp
NPSHr:	10.2 ft
<b>--- Design Curve ---</b>	
Shutoff Head:	57.6 ft
Shutoff dP:	25 psi
Min Flow:	400 US gpm
BEP:	86% @ 1618 US gpm
NOL Power:	20.6 hp @ 2342 US gpm
<b>-- Max Curve --</b>	
Max Power:	39.2 hp @ 2603 US gpm



Min flow line represents the absolute lowest flow pump can operate. For flow rates to the left of the first efficiency line on the curve, consult your Cornell Sales representative. Actual efficiency and HP may vary depending on mounting configuration. Refer to Catalog curve.

**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
2220	1175	22.2	61	20.5	12
1850	1175	35.7	84	19.9	10.2
1480	1175	44.2	85	19.3	8.62
1110	1175	50.4	77	18.2	7.96
740	1175	54.6	61	16.7	8

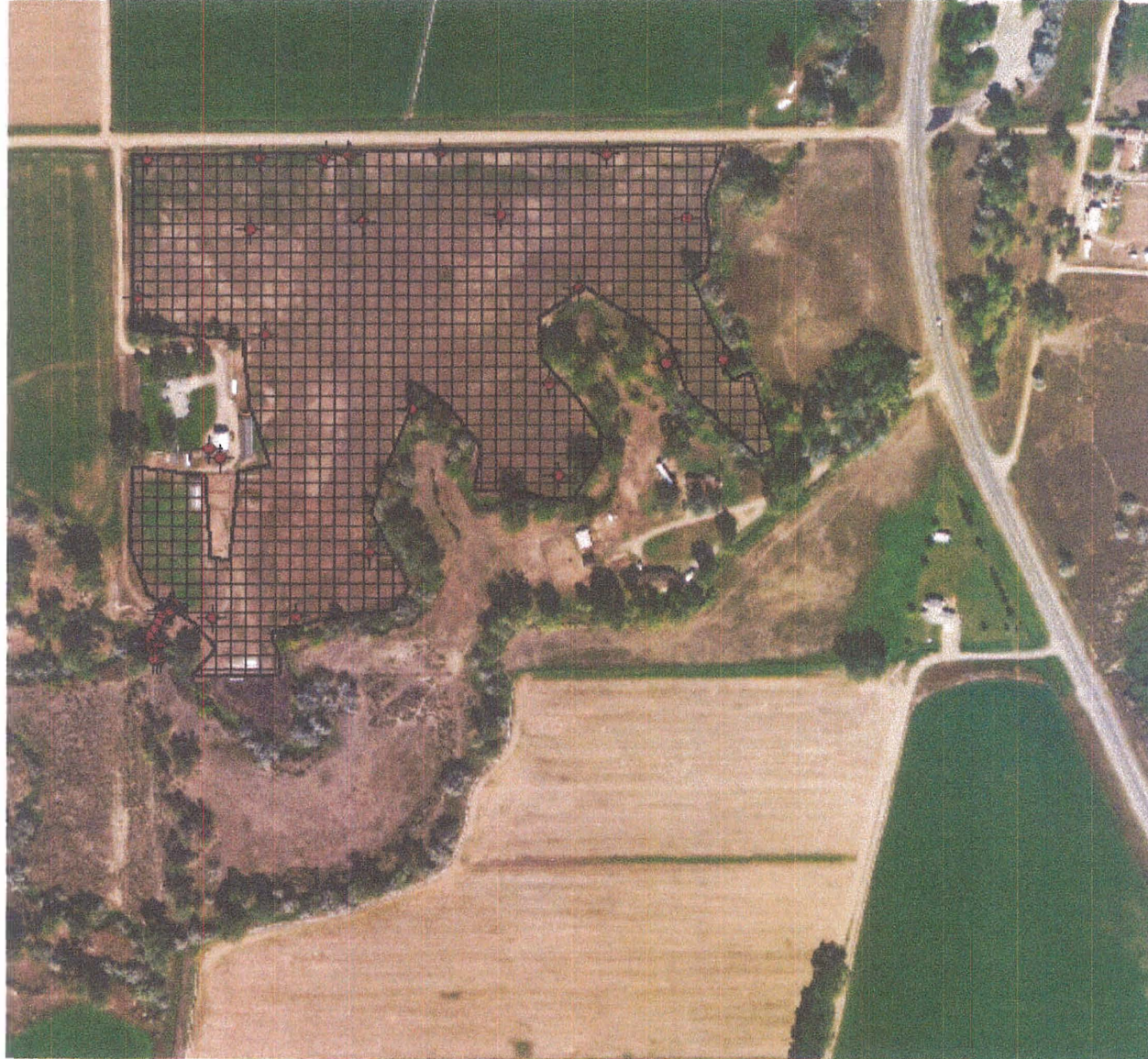


Big Sky Irrigation - Example of Portable Rye/Floating Screen





Scott Griswold ~ 23 Acres Estimated Flow 1800 GPM  
Use to be Feed with 12" pipe



$$1800 \div 23$$

$$78 \text{ GPM/Acre}$$

Top Box  
562.6

Top H<sub>2</sub>O  
541.7

Scott Swenson 406-672-5641 cell



# THE MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

DNRC Water Resources  
Billings Regional Office  
1371 Rimtop Dr.  
Billings, MT 59105-1978

November 20, 2025

Scott M. & Pamela K. Griswold  
33 Sand Creek Road  
Bridger, MT, 59014-9581

Subject: Completed Technical Analyses Report for Beneficial Water Use Permit Preapplication No. 43D 30171860

Dear Applicant,

As designated on the submitted Preapplication Meeting Form per §85-2-302(3)(b), MCA, the Department of Natural Resources and Conservation (DNRC or Department) has completed the technical analyses for Beneficial Water Use Permit Preapplication No. 43D 30171860 based on the information provided in your Preapplication Meeting Form accepted by the Department on October 06, 2025. The technical analyses can be found in the attached report.

This Technical Analyses Report **IS**: A collection of facts that the DNRC has gathered, including content provided in the Preapplication Meeting Form materials. The Department will use these data to analyze the criteria in §85-2-311, MCA if you submit an application for the project described in the completed Preapplication Meeting Form.

This Technical Analyses Report **IS NOT**: An analysis or discussion of whether the Preapplication Meeting Form as filed meets the criteria (§85-2-311, MCA).

**You have 180 days to submit the Beneficial Water Use Permit Application Form 600, considering the information provided in the technical analyses and Preapplication Meeting Form.** If the Application Form is not submitted to the Billings Regional Office by May 19, 2026, a new preapplication meeting will be required to process the Application with expedited timelines (ARM 36.12.1302(6)(b)). If any details described in the submitted Application are changed from that of the submitted Preapplication Meeting Form, the discounted filing fee and expedited timelines will not apply (ARM 36.12.1302(6)(a)). Please note that the technical analyses will expire one year from the date of this letter (ARM 36.12.1302(8)). Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Cassey Strebeck".

Cassey Strebeck  
Water Resource Specialist  
Billings Regional Office, Montana DNRC  
Cassey.Strebeck@mt.gov  
406-247-4422



DNRC.MT.GOV



## Surface Water Permit Technical Analyses Report

### Department of Natural Resources and Conservation (DNRC or Department) Water Resources Division

Cassey Strebeck, Water Resource Specialist, Billings Regional Office

Applicant	Scott M & Pamela K Griswold
Application No.	43D 30171860
Proposed Transitory Point of Diversion (Upstream)	Begin: SWSWSW Sec. 4, T6S, R23E, Carbon County
Proposed Transitory Point of Diversion (Downstream)	End: SWSWSW Sec. 4, T6S, R23E, Carbon County

### Overview

This report analyzes data submitted by the Applicant in support of the above-mentioned water right application. This report provides technical analyses as required under the Administrative Rules of Montana (ARM) 36.12.1303 in support of the water rights criteria assessment as required in § 85-2-311, Montana Code Annotated (MCA).

This Surface Water Permit Technical Analyses Report contains the following sections:

Overview.....	1
1.0 Application Details .....	2
2.0 Surface Water Analysis.....	4
2.1 Source Description .....	4
2.2 Method of Estimation.....	4
2.3 Monthly Flow Rate and Volume .....	5
3.0 Area of Potential Impact Analysis .....	6
Review.....	8
References .....	8



## 1.0 Application Details

The Applicant proposes to divert up to 86.7 AF of water from May 1 to September 30, at a rate of 4.1 CFS, from Sand Creek, utilizing a transitory point of diversion (POD) along the Applicants' property, with the upstream transitory POD located in the SWSWSW Sec. 4, T6S, R23E, Carbon County, and the downstream transitory POD located in the SWSWSW Sec. 4, T6S, R23E, Carbon County. The Applicant proposes to use this water between May 1 and September 30 for the irrigation of 23.8 acres total: 1.2 acres in Government Lot 10 (SESW) and 22.6 acres in the SWSW Sec. 4, T6S, R23E, Carbon County (Table 1).

This application for appropriation on Sand Creek has become necessary as the Applicants' Sand Creek Canal Co. ditch shares (Statement of Claim 43D 199996-00) are not always available. The Applicants will continue to use the ditch shares when available and utilize this Permit, if approved, when shares are not available.

**Table 1. Summary of the proposed use.**

Source	Flow Rate	Diverted Volume	Purpose	Period of Use	Place of Use	Points of Diversion	Period of Diversion
Sand Creek	4.1 CFS	86.7 AF	Irrigation	05/01 to 09/30	1.2 Acres in Government Lot 10 (SESW) and 22.6 Acres in the SWSW, Sec. 4, T6S, R23E, Carbon County	Table 2	05/01 to 09/30

**Table 2. Proposed Transitory POD**

Upstream Transitory POD	Downstream Transitory POD
SWSWSW Sec. 4, T6S, R23E, Carbon County	SWSWSW Sec. 4, T6S, R23E, Carbon County





## 43D 30171860 - Griswold - Proposed

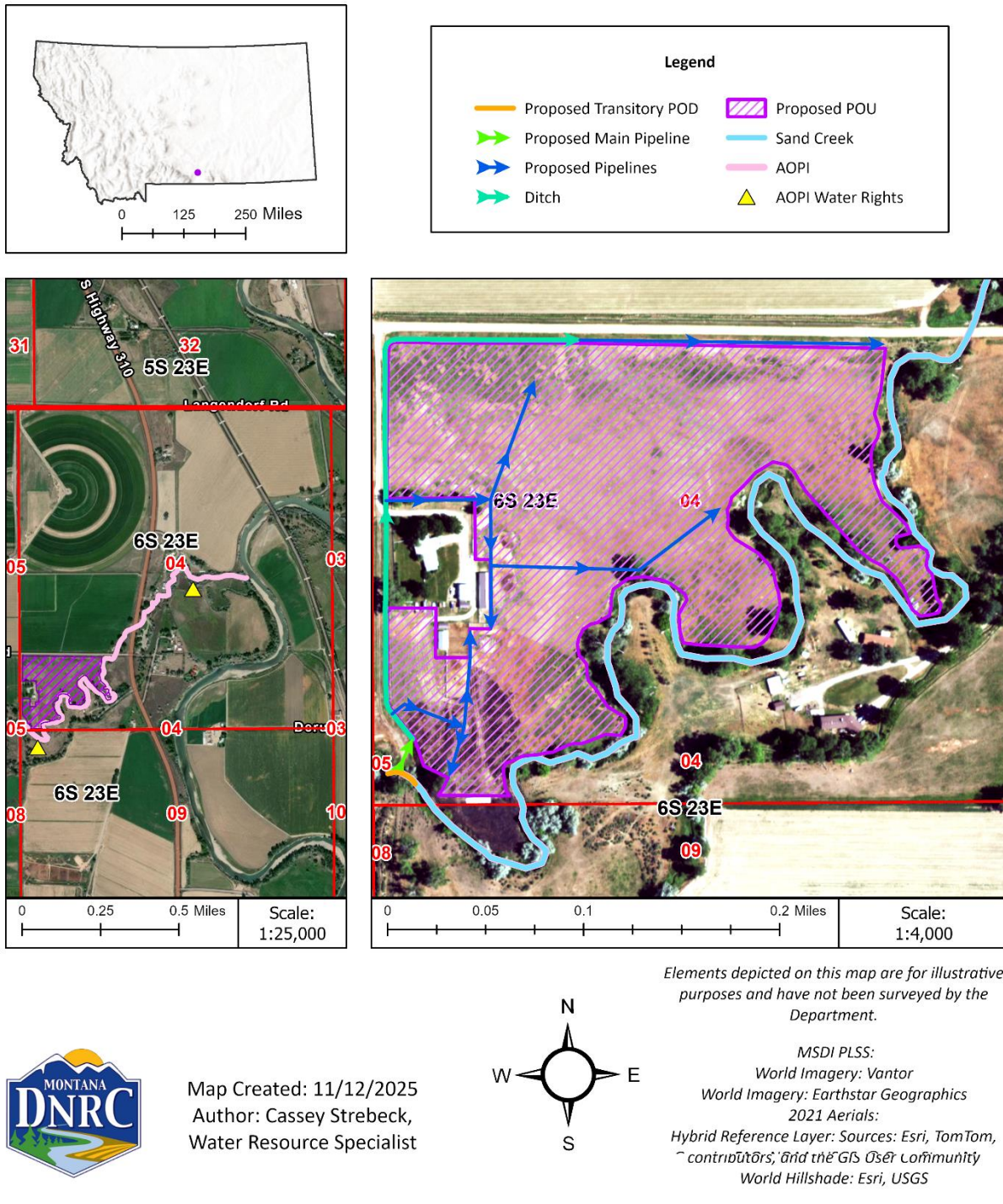


Figure 1: Map of the Applicant's proposed POD on the source and proposed place of use.

## 2.0 Surface Water Analysis

### 2.1 Source Description

**Proposed Source of Water:** Sand Creek.

**Proposed Source Type:** Other.

Sand Creek is naturally intermittent. However, Sand Creek below the Sand Creek Canal flume crossing, is heavily influenced by anthropogenic activities and does not follow a natural hydrograph. Water in Sand Creek below the canal crossing, during the proposed period of diversion, is largely due to water spilled from the Sand Creek Canal. Should the canal cease operation or stop spilling water into Sand Creek, there would likely be little to no water available at the proposed POD during the proposed period of use.

**Proposed Point of Diversion:** The Applicant requests a transitory POD along the SW corner of the Applicant's property located in the SWSWSW Sec. 4, T6S, R23E, Carbon County. The upstream point of the transitory POD is located in the SWSWSW Sec. 4, T6S, R23E, Carbon County. The downstream point of the transitory POD is located in the SWSWSW Sec. 4, T6S, R23E, Carbon County.

### 2.2 Method of Estimation

DNRC collected initial measurements in May using both a FlowTracker 2 velocity meter and the float area method. Measurements collected in June, July, August, and September were collected by the Applicant utilizing the float area method. For consistency, only the data from the float area method measurements were used to evaluate physical availability. The discharge measured using the float area method was approximately 8.26 CFS less than the discharge measured with the velocity meter. The Department used the lower number for the evaluation of physical availability to be conservative. This data is shown below in Table 3.

**Table 3: DNRC and Applicant-Collected Measurements of Sand Creek**

Measurement Number:	Date:	Collected By:	Method	Flow Rate (CFS):
1	05/28/2025	DNRC	Velocity Meter	24.23
1	05/28/2025	DNRC	Float Method	15.97
2	06/26/2025	Applicant	Float Method	15.62
3	07/31/2025	Applicant	Float Method	19.36
4	08/19/2025	Applicant	Float Method	31.72
5	09/04/2025	Applicant	Float Method	12.33

All measurements were found to be acceptable by the Department.

**Method of Estimation Used:** Measurements collected by the DNRC and the Applicant were taken as the physical availability of water from May through September, at the POD.





**Why this method is considered appropriate:** Use of the DNRC and Applicant collected flow measurements are appropriate because the source does not follow a natural hydrograph and therefore, the estimation techniques available to the Department cannot be applied and would not accurately estimate the physically available flow rate and volume. Per ARM 36.12.1702(4), for all other source types, physical availability of water will be determined based on monthly flow rate and volume. The applicant is required to collect measurements for these sources once monthly at Department-approved intervals during the proposed period of diversion.

The contributing drainage basin of Sand Creek above the upstream transitory POD consists of 44.8 square miles. There are no stream gages on Sand Creek, and no similar gaged streams due to the heavy influence of anthropogenic activity. Therefore, the paired drainage analysis is not feasible.

There are two irrigation ditches, Sand Creek Extension Ditch and Sand Creek Canal, that cross the Sand Creek drainage basin and add water to it. Sand Creek only flows consistently through the irrigation season due to overflow from the Sand Creek Canal; therefore, Sand Creek does not follow a natural hydrograph.

## 2.3 Monthly Flow Rate and Volume

**Methodology:** The monthly flow rate at the proposed POD was taken as the monthly measurements, utilizing the float area method, only, supplied by DNRC and the Applicant. Monthly volume was calculated as the flow rate times 1.98 times the number of days in the month. All values were rounded to the hundredths place after conversion (Table 4).

**Table 4. Measured Monthly Flow Rate and Volume**

Month	May	June	July	August	September
Flow Rate (CFS)	15.97	15.62	19.36	31.72	12.33
Volume (AF)	980.24	927.83	1,188.32	1,946.97	730.40



### 3.0 Area of Potential Impact Analysis

**The Area of Potential Impact for this application is:**

The area of potential impact (AOPI) is the reach of 1.5 river miles extending from the upstream point of the proposed transitory POD located in the SWSWSW Sec. 4, T6S, R23E, Carbon County, downstream to the confluence of Sand Creek and the Clarks Fork Yellowstone River located in the NENWSE Sec. 4, T6S, R23E, Carbon County. There are two (2) active surface water rights on Sand Creek within the AOPI, shown in Table 5.

**Table 5. Water Rights in the AOPI**

Water Right Number	Owners	Purposes	Flow Rate (CFS)	Acres	AU	Volume (AF)	Period of Diversion	Period of Use
43D 43402-00	Robin A Schalla, Tammy S Schalla	Irrigation	1	40	N/A	122.8	04/15 to 10/01	04/15 to 10/01
43D 30134926	Heidema Ranch LP	Stock	0.033*	N/A	700	23.8	01/01 to 12/31	01/01 to 12/31
Stock Direct Standard	-	-	0.078	-	-	-	-	-

\*Calculated by DNRC using standard practice

**Why this is an appropriate Area of Potential Impact:** This is an appropriate AOPI because it includes the remaining 1.5 river miles of Sand Creek from the proposed POD to the confluence with the Clarks Fork Yellowstone River. This AOPI adds 0.4 square miles to the drainage area. The confluence with the Clarks Fork Yellowstone River is a significant hydrological boundary.

**Methodology:** The Department determined the AOPI and quantified the surface water rights using the following methods:

1. The AOPI was assessed moving downstream from the proposed POD to the first major perennial stream.
  - a. The first confluence of Sand Creek is with the Clarks Fork Yellowstone River. Clarks Fork Yellowstone River is a major perennial stream. This reach encompasses 1.5 river miles of Sand Creek from the proposed POD and includes a drainage basin of 45.2 square miles. The Clarks Fork Yellowstone River is a substantial hydrologic boundary and is an appropriate location to end the AOPI.
2. Water rights without quantifications were quantified using further analysis:
  - a. There is one (1) stock direct from source water right within the AOPI, without a flow rate or volume: Statement of Claim 43D 30134926.
    - i. The adjudication standard of 30 gallons per day per animal unit was used for stock claim volumes (0.034 AF/YR).





- ii. The flow rate in GPM was back-calculated using the following equation:  
$$\text{volume in AF} \times 325,851 \text{ gallons} / 365 \text{ days} / 1,440 \text{ minutes per day} = \text{GPM}.$$
  - iii. The flow rate in GPM was converted to the flow rate in CFS using the following equation:  $\text{GPM} / 448.8 \text{ GPM/CFS} = \text{CFS}.$
  - iv. As per the standard practice for calculating stock direct from source, 35 GPM (0.078 CFS) was added to the flow rate.
- b. There is one (1) irrigation claim that had acreage, a flow rate, and is located in climatic area 1, without a quantified volume: Statement of Claim 43D 43402-00.
  - i. The volume was calculated by taking the lower end of the higher range at 60% efficiency for climatic area 1 (3.07 AF/AC for the range: 3.07-3.55; ARM 36.12.115), multiplied by the acres claimed. Thus, the volume for irrigation claim was calculated using the following equation:  $\text{Acres} \times 3.07 \text{ AF/AC} = \text{AF}.$  This method for estimating volume is Department standard practice.

## **Review**

This document has been reviewed by the Department on November 19, 2025.

## **References**

Department Standard Practice for Determining Physical Availability of Surface Water  
Department Standard Practice for Area of Potential Impact Analysis  
USGS StreamStats for Montana website at <https://streamstats.usgs.gov/ss/>  
USGS (2015) StreamStats, Chapter G, p. 13, for Montana  
DNRC Water Calculation Guide  
Technical Memorandum: Physical Availability of Surface Water Without Gage Data  
DNRC Change Manual  
DNRC Permit Manual



# THE MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

DNRC Water Resources  
Billings Regional Office  
1371 Rimtop Dr.  
Billings, MT 59105-1978

October 15, 2025

Scott M. & Pamela K. Griswold  
33 Sand Creek Road  
Bridger, MT, 59014-9581

Subject: Complete Form for Beneficial Water Use Permit Application No. 43D 30171860

Dear Applicant,

The Billings Regional Office of the Department of Natural Resources and Conservation (DNRC or Department) received your Preapplication Meeting Form and preapplication meeting fee on September 29, 2025, and the Department deemed the submitted Preapplication Meeting Form to be successfully completed per ARM 36.12.1302 on October 6, 2025.

As designated on the submitted Preapplication Meeting Form per § 85-2-302(3)(b), MCA, the Department will produce the technical analyses based on the parameters included in the Preapplication Meeting Form (ARM 36.12.1302(4)) within 45 days of October 6, 2025.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "C. Strebeck". The signature is fluid and cursive.

Cassey Strebeck  
Water Resource Specialist  
Billings Regional Office, Montana DNRC  
Cassey.Strebeck@mt.gov  
406-247-4422



**DNRC.MT.GOV**



**PREAPPLICATION MEETING  
FORM: PART B  
PERMIT**  
§ 85-2-302, MCA  
Form No. 600P-B (Revised 02/2025)

For Department Use Only

Application # 30171860 Basin 43D  
Form Received 9/29/2025  
Fee Rec'd \$ 500<sup>00</sup> Check # 2073  
Deposit Receipt # BL52605670  
Payor Scott H Griswold  
Form Returned \_\_\_\_\_  
Refund \$ \_\_\_\_\_ Date \_\_\_\_\_

**PREAPPLICATION MEETING FEE**

\$ 500

**FILING FEE REDUCTION & EXPEDITED TIMELINE**

An application will be eligible for a filing fee reduction and expedited timelines if the Applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of Applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)).

*The Applicant is responsible for providing a "Follow-up Responses" document for all follow-up identified in Preapplication Meeting Form Part A (Form 600P-A). The Applicant may not alter Form 600P-A. If a response has changed to a question answered at the preapplication meeting, the Applicant can provide a new response in a separate document entitled "Amended Responses" with the question number labeled.*

*The following guidelines are applicable to both the "Follow-up Responses" and "Amended Responses" documents. Clearly label all question numbers. Answer questions in the same format as Form 600P-A. For responses in the form of checkboxes, write "Y", "N", or "S". Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses and tables. Tables must have the exact headings found on the form. Questions that require items to be submitted to the Department may be marked "S" when the required item is included with the document.*

1. ☐ Y ☒ N Are you submitting this form in response to a determination by the Department that a previously submitted Form 600P-B was inadequately completed?

If yes,

- Date form was returned ("Form Returned" date found in "For Department Use Only" box on the previously submitted Form 600P-B): \_\_\_\_\_
- If a "Follow-up Responses" or "Amended Responses" document is required by questions 2 or 3, submit complete updated documents with responses that stand-alone. The Department will only use the most recently submitted "Follow-up Responses" and "Amended Responses" documents for departmental technical analyses or scientific credibility review; the Department will not use multiple versions of a document.

2. ☐ Y ☒ N Were any questions identified as requiring follow-up on Form 600P-A?

If yes,

- ☐ S Submit "Follow-up Responses" document for all questions requiring follow-up.







## FOLLOW-UP AND AMENDED RESPONSES AFFIDAVIT & CERTIFICATION

"I attest that this preapplication meeting form (Form 600P-A and Form 600P-B), follow-up, and amended responses accurately portray the proposed project. I am aware that my application for this project will not qualify for a discounted filing fee and expedited timelines if, upon submittal of the application to the department, I change any element of the proposed application from the preapplication meeting form, amended responses, or follow-up materials (ARM 36.12.1302(6)(a))."

*Sean M. Criswell*

Applicant Signature

9/26/2025

Date

*Quelata L. Arnold*

Applicant Signature

9/26/2025

Date

"We confirm that the preapplication form (Form 600P-A and Form 600P-B), amended responses, and follow-up information are adequate for the Department to proceed with technical analyses in ARM 36.12.1303. Or, if the Applicant has elected to complete technical analyses, we confirm they have submitted each required element of technical analysis based on the proposed project and the Department is able to proceed with the scientific credibility review (ARM 36.12.1303(8))."

Department Signature

Date

Department Signature

Date







**PREAPPLICATION MEETING  
FORM: PART A  
PERMIT**  
§ 85-2-302, MCA  
Form No. 600P-A (Revised 03/2025)

**PREAPPLICATION MEETING FEE**

\$ 500

**FILING FEE REDUCTION & EXPEDITED TIMELINE**

An application will be eligible for a filing fee reduction and expedited timelines if the applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)).

**For Department Use Only**

Application # 30171860 Basin # 43D

Meeting Date 9/22/2025 Time 1100a

Variance Request Deadline \_\_\_\_\_

Completed Form Deadline 3/21/2026

*The Department will fill out Permit Preapplication Meeting Form Part A (Form 600P-A) and will identify items for follow-up during the preapplication meeting. The Department and Applicant will sign the Preapplication Meeting Affidavit and Certification within 10 business days. Within 180 days of the preapplication meeting, the Applicant will complete Preapplication Meeting Form Part B (Form 600P-B), including identified follow-up, any amended responses, and Follow-up and Amended Responses Affidavit & Certification. Variance requests must be submitted on Form 653 to the Department on or before the Variance Request Deadline, which is day 138 of the 180 day-deadline for a completed preapplication meeting form. Form 653 may be submitted earlier than the Variance Request Deadline. The Department has 30 business days to process the Form 653.*

**Applicant Information: Add more as necessary.**

Applicant Name Scott M (147423) & Pamela K Griswold (147422)

Mailing Address 33 SAND CREEK RD City Bridger State MT Zip 59014

Phone Numbers: Home 406-662-3500 Work \_\_\_\_\_ Cell 406-690-9765

Email Address griswoldsmgllc@gmail.com

Applicant Name \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Numbers: Home \_\_\_\_\_ Work \_\_\_\_\_ Cell \_\_\_\_\_

Email Address \_\_\_\_\_

**Contact/Representative Information: Add more as necessary.**

Contact/Representative is: ☒ Applicant ☐ Consultant ☐ Attorney ☐ Other (describe) \_\_\_\_\_

Contact/Representative Name \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Numbers: Home \_\_\_\_\_ Work \_\_\_\_\_ Cell \_\_\_\_\_

Email Address \_\_\_\_\_

**NOTE:** If a contact person is identified as an attorney, all communication will be sent only to the attorney unless the attorney provides written instruction to the contrary (ARM 36.12.122(2)). If a contact person is identified as a consultant, employee, or lessee, the applicant will receive all correspondences, and a copy may be sent to the contact person (ARM 36.12.122(3)).

**Meeting Attendees: Add more as necessary.**

Name	Role	Name	Role
Scott Griswold	Applicant		
Chris Schweigert	DNRC		
Veronica Corbett	DNRC		
Cassey Strebeck	DNRC		
Rick Cline	Applicant Support		



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## APPLICATION DETAILS

*The following questions are mandatory and must be filled out before the Preapplication Meeting Form is determined to be complete. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, mark the see attachment ("A") checkbox on this form and label the attachment with the question number. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox must be marked. Label units in narrative responses and tables. Questions that require Applicant to submit items to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Preapplication Meeting Form. Label all submitted items with the question number for which they were submitted. For all questions where follow-up is necessary, mark the "F" checkbox in the "Follow-Up" column and write the question number on the "Follow-Up Page".*

**S = Submitted.** Use when required item is included with form.

**A = See attachment.** Use when additional space is needed to answer a question.

**F = Follow-up.** Use when follow-up is necessary.

Questions, Narrative Responses, and Tables	Check-boxes	Follow-up
1. Do you elect to have DNRC conduct Technical Analyses?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
2. Provide a map created on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all proposed points of diversion labeled with a unique POD ID number (include GWIC ID, if available, for wells), all proposed places of use, all proposed conveyance structures (including ditches and pipelines), all proposed places of storage, and places of use for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.	<input checked="" type="checkbox"/> S	<input type="checkbox"/> F
3. Is the project located in a Controlled Groundwater Area or Basin Closure Area? If yes, immediately go to Mandatory Project-Specific questions 54 to 56 because Form 600 may be the incorrect form, or this project may not meet the requirements for the Department to accept a Form 600.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
4. Is the proposed use temporary?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, when will the appropriation cease? _____	<input type="checkbox"/> A	<input type="checkbox"/> F



5. Describe the proposed purpose information, including period of diversion (MM/DD-MM/DD), period of use (MM/DD-MM/DD), flow rate (GPM or CFS) and volume (AF).	<input type="checkbox"/> A	<input type="checkbox"/> F
---	----------------------------	----------------------------

Purpose	Period of Diversion	Period of Use	Flow Rate			Volume
	(MM/DD-MM/DD)	(MM/DD-MM/DD)	Flow Rate	GPM	CFS	(AF)
Irrigation	05/01-09/30	05/01-09/30	4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	86.7
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
<b>Total</b>			4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	86.7

6. Does the proposed use include one or more of the following purposes: domestic, multiple domestic, stock, or irrigation? If yes, fill out the following table, where applicable.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
--	---	----------------------------

Purpose	Requested Information	Response
Domestic or multiple domestic	Number of dwellings	
Stock	Number of animal units	
Irrigation	Method of irrigation type (sprinkler or flood) and subtype (if flood: level border, graded border, furrow, contour ditch, or other; if sprinkler: center pivot, wheel line, or other)	Flood(contour)45%eff-4.5 AC;(gated)60%, 19.2AC
Irrigation (flood only)	Design slope	

7. Describe the proposed location of the point(s) diversion to the nearest 10 acres, if source is groundwater (GW) or surface water (SW), source name, and means of diversion (e.g., pump, headgate, well). Label each POD with the POD # used for the project map (question 2).	<input type="checkbox"/> A	<input type="checkbox"/> F
--	----------------------------	----------------------------

POD #	1/4	1/4	1/4	Sec	Twp	Rge	County	Lot	Block	Tract	Subdivision	Gov Lot	SW or GW	Source Name	Means
1-TU	SW	SW	SW	4	6S	23E	Carbon						SW	Sand Creek	Pump (Trans)
1-TD	SW	SW	SW	4	6S	23E	Carbon						SW	Sand Creek	Pump (Trans)





8. What are the geocodes of the place of use?		<input type="checkbox"/> A	<input type="checkbox"/> F
10-0449-04-3-03-05-0000			

9. Describe the legal land description for the proposed place of use and, if an irrigation or lawn and garden purpose, list the number of irrigated acres.									<input type="checkbox"/> A	<input type="checkbox"/> F
Acres	Gov't Lot	Block	1/4	1/4	1/4	Sec	Twp	Rge	County	
22.6				SW	SW	4	6S	23E	Carbon	
1.2	10			SE	SW	4	6S	23E	Carbon	
27.8	<b>Total</b>									

10. Will other water rights supplement or overlap the place of use to contribute to the purpose(s)?		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, summarize how the water rights will be operated as a whole to serve the purpose(s). Sand Creek Canal Ditch Shares - (43D 199999) - not reliable or always available; will continue to use ditch shares when available, use permit when not		<input type="checkbox"/> A	<input type="checkbox"/> F



11. For each supplemental or overlapping water right, please list the water right number, purpose, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed.						<input type="checkbox"/> A	<input type="checkbox"/> F
Water Right No.	Avg. Period of Diversion	Avg. Period of Use	Flow Rate			Volume Contributed	
	MM/DD-MM/DD	MM/DD-MM/DD	Flow Rate	GPM	CFS	AF	
43D 199999-00	04/01-10/15	04/01-10/15	225	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0-86.7AF	
				<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"/>		

12. Will this application supplement contract water from a Federal Project, ditch company, or other source?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, explain. <u>Sand Creek Canal Ditch Shares - (43D 199999) - not reliable or always available; will continue to use ditch shares when available, use permit when not</u>  	<input type="checkbox"/> A	<input type="checkbox"/> F
13. Does the project involve one or more places of storage? This does not include reservoirs, pits, pit-dams, or ponds with a capacity less than 0.1 AF; water tanks; or cisterns (ARM 36.12.113(6)). If yes, answer the following questions once for each place of storage. Use an "Additional Place of Storage (600P)" sheet if more than one. Additionally, you may choose to answer non-mandatory questions 76 to 80 for place of storage.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. Is this application to enlarge an existing reservoir? If yes, list the water right numbers for the existing reservoir. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. Is the place of storage located on-stream?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
c. What is the capacity of the proposed place of storage or the existing place of storage after it is enlarged? Use bathymetry data, survey, or engineering plans for capacity. Submit the data source used with this form. In lieu of these data sources, use the following equation: $\text{Surface Acres} \times \text{Maximum Depth (FT)} \times 0.5 = \text{Capacity (AF)}$ 	<input type="checkbox"/> A	<input type="checkbox"/> F





d. What is the surface area of the place of storage? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
14. Will your system be designed to discharge water from the project?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, explain the wastewater disposal method. A discharge permit may be required to comply with §§ 75-5-410 and 85-2-364, MCA. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
15. Does the project involve an appropriation that is greater than 5.5 CFS and 4,000 AF? If yes, you must submit a Criteria Addendum Application for Beneficial Water Use Permit for Appropriations Greater than 5.5 CFS and 4,000 AF (Form 600-B) with application submittal. The criteria are found in §85-2-311(3), MCA.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
16. Will you be transporting water for use outside of Montana? If yes, you must submit an Out-of-State Use Addendum (Form 600/606-OSA) with the application. The out-of-state use criteria are outlined in §85-2-402(6), MCA.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
17. Does the project include the water marketing purpose? If yes, you may choose to answer non-mandatory questions 81 to 85 for water marketing. A Water Marketing Purpose Addendum (Form 600/606-WMA) will be required with application submittal.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
18. Are you proposing a point of diversion and/or place of use on State of Montana Trust Land? If yes, documentation of consent from the DNRC Trust Lands Management Division will be required at application submittal.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
19. Is the project located in designated sage grouse habitat? If yes, a review letter from the Montana Sage Grouse Habitat Conservation Program will be required at application submittal.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F



## SURFACE WATER

☒ **Applicable**, move on to question 20. ☐ **Not Applicable**, skip to question 30.

The following questions are mandatory for surface water permit applications and must be filled out before the Preapplication Meeting Form is determined to be complete.

### Surface Water Analysis

Questions, Narrative Responses, and Tables							Check-boxes	Follow-up
20. What is the flow rate (GPM or CFS), volume (AF), period of diversion start date and end date (MM/DD-MM/DD), and source type (e.g., perennial, ephemeral) at each point of diversion? Use the same POD # as the project map (question 2) to label each point of diversion.							<input type="checkbox"/> A	<input type="checkbox"/> F
POD #	Flow Rate			Volume	Period Start	Period End		
	Flow Rate	GPM	CFS	AF	MM/DD	MM/DD		
1-TU	4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	86.7	05/01	09/30		
1-TD	4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	86.7				
		<input type="checkbox"/>	<input type="checkbox"/>					
		<input type="checkbox"/>	<input type="checkbox"/>					
		<input type="checkbox"/>	<input type="checkbox"/>					

21. Is the source type of the diversion perennial or intermittent, ephemeral, lake, or other? Intermittent (Perennial during period of diversion)							<input type="checkbox"/> A	<input type="checkbox"/> F
<b>Perennial or intermittent</b>	Answer questions 22 to 25	<b>Ephemeral</b>	Answer question 26	<b>Lake</b>	Answer question 27	<b>Other</b>	Answer questions 28 to 29	

### *Surface Water Analysis: Perennial or Intermittent*

☒ **Applicable** ☐ **Not Applicable**

22. Are stream gage data available?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, answer question 23.		
b. If no, answer question 24.		





23. Stream gage data are available.		
a. Is one stream gage located above the most upstream POD and one stream gage located below the most upstream POD?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If no, is only one stream gage located near the most upstream POD?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, is the stream gage located upstream or downstream? _____		<input type="checkbox"/> F
b. List the gage name(s). Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
c. What is the distance between the gage(s) and the most upstream POD? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
d. Is there a limiting or controlling factor on the source between the stream gage(s) and the most upstream POD? This includes dams that control the flow and streams with large gaining and/or losing reaches. If you have questions about this, the Regional Office may provide assistance.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, explain. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F



g. Is each available stream gage operated and maintained by USGS or DNRC?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, skip to question 23.h.		
ii. If no, answer the following questions for each gage not operated and maintained by USGS or DNRC.		
1. How frequently are stage data recorded? Write "N/A" for Gage 2 if only one gage is not operated or maintained by USGS. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
2. If data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?		
a. Gage 1. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
3. Was the rating curve established and maintained throughout the duration of the period of record using measurements taken near the reference gage and stage recorder according to USGS protocols?		
a. Gage 1. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
4. Were requirements established and followed for maintaining a permanent gage datum and meeting specified accuracy limits?		
a. Gage 1. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F





h. Do the data for one or more available stream gages meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, record how many meet the standard, then skip to question 54 because this section is complete. _____		<input type="checkbox"/> F
ii. If no, answer question 24.		
24. If no gage data are available or if available gage data do not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion, is the source otherwise measured?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If no, measurements may be necessary. The Department cannot deem the preapplication meeting form adequately completed until the Department receives gage data and/or measurements that meet the requirements of ARM 36.12.1702 or, in combination with an approved variance request, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria. Skip to question 25.		
b. If yes,		
i. Submit available measurements to the Department.	<input type="checkbox"/> S	<input type="checkbox"/> F
ii. Who collected the measurements? _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iii. With what method were the data collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iv. What is the period of record? _____		<input type="checkbox"/> F
v. What is the frequency of measurement? _____		<input type="checkbox"/> F
vi. Are there gaps in the data?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F



1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? <hr/> <hr/> <hr/>	<input type="checkbox"/> A	<input type="checkbox"/> F
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, explain. <hr/> <hr/> <hr/>	<input type="checkbox"/> A	<input type="checkbox"/> F
viii. Do available measurement data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, this section is complete. Skip to question 54.		
2. If no, answer question 25.		
25. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for validation of a Department-accepted estimation technique?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes,		
i. Describe how the measurements are representative of high, moderate, and low flows. <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> A	<input type="checkbox"/> F
ii. Describe the estimation technique. <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> A	<input type="checkbox"/> F
b. If no, but a Department-accepted estimation technique will be appropriate for the source:		



i. Will measurements be collected prior to submission of Form 600P-B that meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes,		
a. With what method will the data be collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
b. What will be the interval of measurement? _____		<input type="checkbox"/> F
c. Describe the proposed estimation technique. _____ _____ _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
2. If no, do you plan on requesting a variance from measurement requirements pursuant to ARM 36.12.1702(1)(b)? If you plan to request a variance, you must submit Form 653 on or before the Variance Request Deadline. The Department cannot deem the preapplication meeting form adequately completed until the Department receives measurements that meet the requirements of ARM 36.12.1702(1)(b) or, in combination with an approved variance request, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
c. If no, because no Department-accepted estimation technique will be appropriate for the source:		
i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics. <u>Sand Creek only flows due to Sand Creek Canal overflow - does not follow a natural hydrograph</u> _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
ii. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard for monthly measurements throughout the proposed period of diversion pursuant to ARM 36.12.1702(4)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F





1. If no, will measurements be collected prior to submission of a completed Form 600P that meet the Department's standard of monthly measurements throughout the proposed period of diversion?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, with what method will the data be collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
b. If no, do you plan on requesting a variance from measurement requirements pursuant to ARM 36.12.1702(4)? If you plan to request a variance, you must submit Form 653 on or before the Variance Request Deadline. The Department cannot deem the preapplication meeting form adequately completed until the Department receives measurements that meet the requirements of ARM 36.12.1702(4) or, in combination with an approved variance request, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F

*Surface Water Analysis: Ephemeral*☐ Applicable ☒ Not Applicable

26. Did you elect for the Department to conduct the Technical Analyses?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, do you have climate or drainage area data you would like the Department to consider during Technical Analyses?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, submit this information to the Department.	<input type="checkbox"/> S	<input type="checkbox"/> F
b. If no,		
i. Describe the estimation technique you propose to use to estimate physical availability at the point of diversion. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
ii. What is the net annual precipitation? Include the source of this information. _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F



iii. What is the drainage area upstream of the point of diversion and how was this figure calculated? _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
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*Surface Water Analysis: Lakes*

☐ Applicable ☒ Not Applicable

27. Has the lake volume been quantified by a qualified entity based on bathymetric data?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, provide this information to DNRC.	<input type="checkbox"/> S	<input type="checkbox"/> F
b. If no, answer the following questions,		
i. When do you plan to collect this information? _____		<input type="checkbox"/> F
ii. What data collection method will you use? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F

*Surface Water Analysis: Other*

☐ Applicable ☒ Not Applicable

28. Explain why the source type is "other". _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
29. Have you measured the source?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, answer the following questions,		
i. With what method was the measurement data collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F



ii. What is the measurement interval? _____		<input type="checkbox"/> F
1. Does the interval meet the Department's standard for monthly measurements throughout the proposed period of diversion pursuant to ARM 36.12.1702(4)?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If no, do you plan on requesting a variance from measurement requirements pursuant to ARM 36.12.1702(4)? If you plan to request a variance, you must submit Form 653 on or before the Variance Request Deadline.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. If no,		
i. When do you plan to measure? _____		<input type="checkbox"/> F
ii. What data collection method will be used? _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iii. Do you plan on requesting a variance from measurement requirements pursuant to ARM 36.12.1702(4)? If you plan to request a variance, you must submit Form 653 on or before the Variance Request Deadline. The Department cannot deem the preapplication meeting form adequately completed until the Department receives measurements that meet the requirements of ARM 36.12.1702(4) or, in combination with an approved variance request, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F

### **Area of Potential Impact Analysis**

No additional information needed for Technical Analyses.





## GROUNDWATER

☐ **Applicable**, move on to question 30. ☒ **Not Applicable**, skip to question 54.

*The following questions are mandatory for groundwater permit applications and must be filled out before the Preapplication Meeting Form is determined to be complete.*

### Groundwater Analysis for Permits

Questions, Narrative Responses, and Tables					Check-boxes	Follow-up
30. What is the type of groundwater diversion? _____					<input type="checkbox"/> A	<input type="checkbox"/> F
<b>Well/Pumping Pit</b>	Answer questions 31 to 35	<b>Developed Spring</b>	Answer question 36	<b>Pond</b>	Answer questions 37 to 39	

#### *Groundwater Analysis for Permits: Well/Pumping Pit*

☐ Applicable ☐ Not Applicable

31. Per ARM 36.12.121 a 24- or 72-hour aquifer test is required; do you propose not to conduct the test? An 8-hour test will be required, if no aquifer test is completed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, explain. The Department will let you know if the request is reasonable and identify additional data needs. _____ _____ _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F



32. Submit Aquifer Test Data Form (Form 633). If a variance is requested, Form 633 must be submitted on or before the Variance Request Deadline. If no variance is requested, Form 633 is due by the time the preapplication meeting form is complete but may be submitted earlier. However, if the Department determines a variance is needed and the Variance Request Deadline has passed, to submit the Form 653 you must reschedule the preapplication meeting or submit the application without expedited fees and timelines (ARM 36.12.1302(6)).	<input type="checkbox"/> S	<input type="checkbox"/> F
33. Submit the Aquifer Testing Addendum (Form 600/606-ATA) and associated materials (e.g., well logs). If you request a variance, Form 600/606-ATA must be submitted on or before the Variance Request Deadline. If no variance is requested, Form 600/606-ATA is due by the time the preapplication meeting form is complete but may be submitted earlier. However, if the Department determines a variance is needed and the Variance Request Deadline has passed, to submit the Form 653 you must reschedule the preapplication meeting or submit the application without expedited fees and timelines (ARM 36.12.1302(6)).	<input type="checkbox"/> S	<input type="checkbox"/> F
34. Are you requesting a variance from ARM 36.12.121? If you are unsure if a variance request will be needed, mark follow-up and answer this question once Form 600/606-ATA and Form 633 are complete. A variance must be requested by the Variance Request Deadline.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, submit Form 653, Form 600/606-ATA, and Form 633 together on or before the Variance Request Deadline.	<input type="checkbox"/> S	<input type="checkbox"/> F
b. If no, you may choose to submit Form 600/606-ATA and Form 633 before the Variance Request Deadline, and the Department will review these two forms. However, if the Department determines a variance is needed after the Variance Request Deadline, to submit the Form 653 you must reschedule the preapplication meeting or submit the application without expedited fees and timelines (ARM 36.12.1302(6)).		
35. Have all proposed wells/pumping pits been constructed?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If no, answer the following questions:		
i. Submit a list of the POD IDs for all wells/pumping pits and mark whether they have or have not been constructed.	<input type="checkbox"/> S	<input type="checkbox"/> F
ii. When will all proposed wells/pumping pits be constructed? _____		<input type="checkbox"/> F
iii. Is the requested volume for each proposed well/pumping pit known?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, list the flow rate and volume requested for each proposed well/pumping pit. Label with POD ID. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F



2. If no, what is the total requested volume (AF) and the number of proposed PODs? _____		<input type="checkbox"/> F
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*Groundwater Analysis for Permits: Developed Spring*

☐ Applicable ☐ Not Applicable

36. Have you measured the source?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, submit the measurements and answer the following questions,	<input type="checkbox"/> S	<input type="checkbox"/> F
i. Do you have flow rate (GPM or CFS) and volume measurements?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
ii. With what method were measurements collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iii. What is the interval of measurements? _____		<input type="checkbox"/> F
iv. Is the interval of measurements sufficient to comply with ARM 36.12.1703(1)?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
b. If no, or if measurements do not comply with ARM 36.12.1703(1), answer the following questions. The Department cannot deem the preapplication meeting form adequately completed until the Department receives measurements that meet the requirements of ARM 36.12.1703(1). Variances from ARM 36.12.1703(1) are not allowed.		
i. When do you plan to measure? _____		<input type="checkbox"/> F
ii. With what method and at what interval will measurements be collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F





### Groundwater Analysis for Permits: Pond

☐ Applicable ☐ Not Applicable

37. Submit Form 653 to apply for a variance from ARM 36.12.121 for the Aquifer Test on or before the Variance Request Deadline.	<input type="checkbox"/> S	<input type="checkbox"/> F
38. Submit pond bathymetry data, survey, or engineering plans to the Department.	<input type="checkbox"/> S	<input type="checkbox"/> F
39. Is the pond fed or drained by surface water?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes,		
i. Explain.	<input type="checkbox"/> A	<input type="checkbox"/> F
_____		
_____		
_____		
ii. Submit measurements of the connected surface water source. These may include inflow and outflow measurements.	<input type="checkbox"/> S	<input type="checkbox"/> F

### Surface Water Depletion Analysis

40. Is the type of groundwater diversion for your proposed project a developed spring? If yes, skip to question 45 because this section is complete. If no, move onto question 41.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
41. Is the type of groundwater diversion for your proposed project a pond? If yes, answer question 41.a, then skip to question 45 because this section is complete. If no, move onto question 42.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. Will any of the ponds have diversions for out-of-pond use that differ from, if year-round use, an allocation of diverted volume by the number of days in the month, or, if irrigation/lawn and garden use, the 80% dry year net irrigation requirement (IWR, NRCS 2003)?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, provide a schedule of the diversions for out-of-pond use in the table below. Use the same POD # as the project map (question 2). Attach any additional schedules with POD # labeled.	<input type="checkbox"/> A	<input type="checkbox"/> F

POD #			
Month	Diversions for Out-of-Pond Use Volume (AF)	Month	Diversions for Out-of-Pond Use Volume (AF)
January		July	
February		August	
March		September	
April		October	
May		November	
June		December	



42. What is the flow rate (GPM or CFS), volume (AF), and period of diversion required (MM/DD-MM/DD) at each well/pumping pit? What is the well/pumping pit depth (FT), if available, or estimated well/pumping pit depth (FT). Please use the same POD # as the project map (question 2) to match this information with the location information.	<input type="checkbox"/> A	<input type="checkbox"/> F
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POD #	Flow Rate			Volume	Period of Diversion	Depth	Measured or Estimated
	<i>Flow Rate</i>	<i>GPM</i>	<i>CFS</i>	<i>AF</i>	<i>MM/DD-MM/DD</i>	<i>FT</i>	
		<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>				

43. Will any of the <i>new</i> wells/pumping pits have a monthly pumping schedule that differs from, if year-round use, an allocation of diverted volume by the number of days in the month, or, if irrigation/lawn and garden use, the 80% dry year net irrigation requirement (IWR, NRCS 2003)?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, provide the alternative pumping schedule(s) in the table below. Use the same POD # as the project map (question 2). Attach any additional pumping schedules with POD # labeled.	<input type="checkbox"/> A	<input type="checkbox"/> F

POD #	Volume (AF)			POD #	Volume (AF)		
Month				Month			
January				January			
February				February			
March				March			
April				April			
May				May			
June				June			



44. Will one or more <i>existing</i> wells/pumping pits be used for the proposed project?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, will any of the <i>existing</i> wells/pumping pits have a monthly pumping schedule, before or after the proposed project, that differs from an allocation of diverted volume by the number of days in the month (if year-round use) or the 80% dry year net irrigation requirement (if irrigation/lawn and garden use) (IWR, NRCS 2003)?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, provide the pumping schedules before and after the proposed project in the table below. Use the same POD # as the project map (question 2). Attach any additional pumping schedules with POD # and before/after proposed project labeled.	<input type="checkbox"/> A	<input type="checkbox"/> F

Before proposed project: POD #				After proposed project: POD #			
Month	Volume (AF)	Month	Volume (AF)	Month	Volume (AF)	Month	Volume (AF)
January		July		January		July	
February		August		February		August	
March		September		March		September	
April		October		April		October	
May		November		May		November	
June		December		June		December	

### Surface Water Analysis of Depleted Surface Water

45. Based on the preliminary net depletion data provided by the Department at this preapplication meeting, what are the hydraulically connected surface water source(s)? <i>*Net depletion data provided by the Department at the preapplication meeting is preliminary and is subject to change during Technical Analyses. If the source or location of net depletion data changes during Technical Analyses, then surface water analysis of depleted surface water source(s) will reflect the Technical Analyses; this will not constitute a change of any element to the proposed application pursuant to ARM 36.12.1302(6)(a).</i> If the type of groundwater diversion for your proposed project is a developed spring, write "NA" and skip to question 51 because this section is complete.	<input type="checkbox"/> A	<input type="checkbox"/> F
46. Answer the questions in this section one time for each hydraulically connected source. Use the "Additional Hydraulically Connected Source (600P)" sheet, as necessary. For which hydraulically connected source are you answering questions 47 to 50?		<input type="checkbox"/> F
47. Are stream gage data available?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, answer question 48.		
b. If no, answer question 49.		





48. Stream gage data are available		
a. Is one stream gage located above and one stream gage located below the start of the depleted reach?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If no, is only one stream gage located near the start of the depleted reach?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, is the stream gage upstream or downstream? _____		<input type="checkbox"/> F
b. List the gage name(s). Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
c. What is the distance between the gage(s) and the start of the depleted reach? Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
d. Is there a limiting or controlling factor on the source between the stream gage(s) and the start of the depleted reach? This includes dams that control the flow and streams with large gaining and/or losing reaches. If you have questions about this, the Regional Office may provide assistance.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, explain. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		<input type="checkbox"/> F
g. Is each available stream gage operated and maintained by USGS or DNRC?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If yes, skip to question 48.h.		
ii. If no, answer the following questions for each gage not operated and maintained by USGS or DNRC.		



<p>1. How frequently is stage data recorded? Write "N/A" for Gage 2 if only one gage is not operated or maintained by USGS.</p> <p>Gage 1: _____</p> <p>Gage 2: _____</p>		<input type="checkbox"/> F
<p>2. If data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>a. Gage 1. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>3. Was the rating curve established and maintained throughout the duration of the period of record using measurements taken near the reference gage and stage recorder according to USGS protocols?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>a. Gage 1. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>4. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>a. Gage 1. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>h. Do the data for one or more available stream gages meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months with net depletions?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>i. If yes, record how many meet the standard, then skip to question 54 because this section is complete. _____</p>		
<p>ii. If no, answer question 49.</p>		
<p>49. If no gage data are available or if available gage data do not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months with net depletions, is the source otherwise measured?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F



a. If no, measurements may be necessary. The Department cannot deem the preapplication meeting form adequately completed until the Department receives gage data and/or measurements that meet the Department's measurement standards or, in combination with an approved request to deviate from the Department's standards, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria. Skip to question 50.		
b. If yes,		
i. Submit measurements to the Department.	<input type="checkbox"/> S	<input type="checkbox"/> F
ii. Who collected the measurements? _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iii. With what method was the data collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
iv. What is the period of record? _____		<input type="checkbox"/> F
v. What is the frequency of measurement? _____		<input type="checkbox"/> F
vi. Are there gaps in the data?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, explain. _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
viii. Do available measurement data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months with net depletions?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes, this section is complete. Skip to question 54.		
2. If no, answer question 50.		





50. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes,		
i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
ii. Describe the estimation technique. _____ _____ _____ _____ _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
b. If no, but a Department-accepted estimation technique will be appropriate for the hydraulically connected surface water source:		
i. Will measurements be collected prior to submission of a completed Form 600P-B that meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes,		
a. With what method will the data be collected? _____ _____	<input type="checkbox"/> A	<input type="checkbox"/> F
b. What will be the interval of measurement? _____		<input type="checkbox"/> F



<p>c. Describe the proposed estimation technique.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A	<input type="checkbox"/> F
<p>2. If no, do you plan on requesting to deviate from the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique? The Department's technical analyses or scientific credibility review of your technical analyses cannot commence until the Department receives measurements that meet Department measurement standards, or in combination with a request to deviate, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>c. If no, because no Department-accepted estimation technique will be appropriate for the hydraulically connected surface water source:</p>		
<p>i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A	<input type="checkbox"/> F
<p>ii. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard for monthly measurements throughout the months with net depletions?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>1. If no, will measurements be collected prior to submission of a completed Form 600P that meet the Department's standard of monthly measurements throughout the months with net depletions?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>a. If yes, with what method will the data be collected?</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A	<input type="checkbox"/> F



b. If no, do you plan on requesting to deviate from the Department's standard for monthly measurements throughout the months with net depletions? The Department's technical analyses or scientific credibility review of your technical analyses cannot commence until the Department receives measurements that meet Department measurement standards, or in combination with a request to deviate, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
--	---	----------------------------

### **Area of Potential Impact Analysis of Depleted Surface Water**

All information for area of potential impact of depleted surface water was collected in previous questions.

### **Hydrogeologic Report**

51. Does your project include one or more wells, pumping pits, or ponds that are in a basin closure area? If yes, fill out questions 52 to 53. Your project must have a Hydrogeologic Report that conforms with § 85-2-361 to comply with the requirements of § 85-2-360, MCA. A Hydrogeologic Report Addendum (Form 600-HRA) or Department Technical Analyses may be used to meet these requirements.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
52. Did you elect in question 1 for the Department to conduct the Technical Analyses?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, the Basin Closure Area Addendum (Form 600-BCA), Form 600-HRA, and Hydrogeologic Report are not required at this time. The Department's Technical Analyses will meet requirements of §85-2-360, MCA for a Hydrogeologic Report and Form 600-HRA. Form 600-BCA will be required with application submittal.		
b. If no, submit the Basin Closure Area Addendum (Form 600-BCA) and Hydrogeologic Report Addendum (600-HRA) with your Technical Analyses.	<input type="checkbox"/> S	<input type="checkbox"/> F
53. If the Hydrogeologic Report indicates that the proposed groundwater use will impact a surface water source, identify and explain which of the following three options best describes your plan to mitigate depletions of hydraulically connected surface water and respond to the relevant questions below. <input type="checkbox"/> Application to Change a Water Right to mitigate the adverse effects created <input type="checkbox"/> Alternative mitigation plan <input type="checkbox"/> Documentation to show a mitigation plan is not required		
a. Application to Change a Water Right to mitigate the adverse effects created: Submit a summary of your initial proposal. <i>A separate Preapplication Meeting will be required for each Application to Change a Water right to a mitigation or aquifer recharge purpose to qualify for expedited timelines and reduced filing fees for the project per ARM 36.12.1302(7)(a).</i>	<input type="checkbox"/> S	<input type="checkbox"/> F
b. Alternative mitigation plan: Submit a summary of your initial proposal.	<input type="checkbox"/> S	<input type="checkbox"/> F





i. Do you propose to use water with a marketing for mitigation/aquifer recharge purpose?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
1. If yes,		
a. List the change authorization number(s) for all water rights proposed for use. _____	<input type="checkbox"/> A	<input type="checkbox"/> F
b. What is the area defined for marketing for all water rights proposed for use? _____	<input type="checkbox"/> A	<input type="checkbox"/> F
c. If Marketing for aquifer recharge, submit the analysis of the monthly accretions to hydraulically connected surface water(s); otherwise write "NA". _____	<input type="checkbox"/> S	<input type="checkbox"/> F
c. Documentation to show a mitigation plan is not required: Submit all documentation.	<input type="checkbox"/> S	<input type="checkbox"/> F



## MANDATORY PROJECT-SPECIFIC QUESTIONS

The following questions are mandatory when applicable and must be filled out before the Preapplication Meeting Form is determined to be complete.

### Project-Specific Questions: Controlled Groundwater Areas and Basin Closures

Questions, Narrative Responses, and Tables	Check-boxes	Follow-up
54. Does the project include one or more groundwater points of diversion located in the East Valley Controlled Groundwater Area (EVCGWA)?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, is the use over 35 GPM or 10 AF/YR?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If no, this is the incorrect form. Use instead Form 600-EVCGWA: East Valley Controlled Groundwater Area Permit Application.		
ii. If yes, how does this project meet the specific requirements of the East Valley Controlled Groundwater Area? Include any relevant documentation.     	<input type="checkbox"/> A	<input type="checkbox"/> F
b. If no, skip to question 55.		
55. Does the project include one or more groundwater points of diversion located in the Yellowstone Controlled Groundwater Area?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> F
a. If yes, is the proposed flow rate and volume over 35 GPM or 10 AF/YR?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
i. If no, this is the incorrect form. Use instead Form 600-YCGA: Yellowstone Controlled Groundwater Area Permit Application.		
ii. If yes, answer the remaining parts of question 55 and submit <i>Form 600 YCGA: A Yellowstone Controlled Groundwater Area Addendum Over 35 gallons per minute</i> with the application.		
1. Does the proposed use require a point of diversion with water temperature of 60 degrees Fahrenheit or more?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
2. If an application is in a basin tributary to a category 3 or 4 stream (generally in or upstream of Yellowstone National Park), submit with the application a report prepared by a qualified professional verifying that the appropriation is not hydrologically connected to surface flow that is tributary to the reserved portion of category 3 or 4 streams.		
b. If no, skip to question 56.		



<p>56. Is the project for surface water or groundwater and subject to one or more of the Controlled Groundwater Areas; administrative, Department ordered, or legislative basin closures; or compact closures listed on the Department's website (<a href="https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas">https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas</a>) not covered in questions 54 to 55?</p>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> F
<p>a. If yes, identify each area and describe how the proposed project meets its requirements. An application must meet the specific requirements of the Controlled Groundwater Area or closure to be accepted by the Department.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A	<input type="checkbox"/> F





## NON-MANDATORY QUESTIONS FOR CRITERIA ANALYSIS

*The following questions are not mandatory. They should be discussed in the Preapplication Meeting, but do not need to be filled out before the Preapplication Meeting Form is determined to be complete.*

### Adverse Effect

Questions, Narrative Responses, and Tables	Check-boxes
57. Describe your plan to ensure that existing water rights will be satisfied during times of water shortage. Applicant can cease diversion if valid call is made <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> A
58. Explain how you can control your diversion in response to call being made. Pump can be shut off if valid call is made <hr/> <hr/> <hr/>	<input type="checkbox"/> A
59. Are you aware of any calls that have been made on the source of supply or depleted surface water source? a. If yes, explain. <hr/> <hr/> <hr/>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> A
60. Does a water commissioner distribute water or oversee water distribution on your proposed source or depleted surface water source?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N



61. Will the point of diversion or conveyance infrastructure be shared with one or more existing water rights?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
<p>a. If yes, explain how capacity of the shared point of diversion and/or conveyance infrastructure is sufficient for all water rights.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A

### **Adequate Diversion Means and Operation**

62. Submit a diagram of how you will operate your system from the point of diversion to the place of use.	<input checked="" type="checkbox"/> S
<p>63. Describe specific information about the capacity of the diversionary structure(s). This may include, where applicable: pump curves and total dynamic head calculations, headgate design specifications, and dike or dam height and length.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A



<p>64. Describe the size, materials, capacity, and configuration of infrastructure to convey water from point of diversion to place of use. This may include but is not limited to, pipelines and ditches. Include a description of any losses related to the proposed conveyance. Ditch conveyance losses may be estimated numerous ways, which include a ditch loss rate or Department standard methods. You may work with the Department to estimate ditch conveyance losses but will need to provide sufficient baseline information; which includes ditch slope, dimensions, length, lining material, soil type, and location.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A
<p>65. Describe how the proposed diversion and conveyance infrastructure can provide the required flow and volume, for the purposes plus any conveyance losses and storage, throughout the proposed period of diversion.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A
<p>66. Provide a plan of operations, which includes specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<input type="checkbox"/> A





67. Does the proposed conveyance require easements?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
a. If yes, explain. _____ _____ _____	<input type="checkbox"/> A
68. Do you own the land where all proposed points of diversion are located?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
a. If no, documentation to show you have the right to use all points of diversion located on each property you do not own will be required upon application submittal. This may include, but is not limited to, a well agreement, an easement, or permission of the party that owns the property where the proposed point(s) of diversion are located.	
69. Describe any places of storage, including whether drainage devices will be installed, and provide preliminary designs, if available. Preliminary designs will be required at application submittal. _____ _____ _____ _____	<input type="checkbox"/> A
70. Do you have any plans to measure your diversion and use?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
a. If yes, describe the plan and the type of measurements you will take. _____ _____ _____	<input type="checkbox"/> A

### **Beneficial Use**

71. Does the Department have a standard for any of the purposes for which water is used? Department standards can be found in ARM 36.12.112 and ARM 36.12.115.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
a. If yes, list the purposes for which the Department has a standard and note whether the proposed use falls within or outside the standard. Irrigation - within _____ _____	



72. If no Departmental standard exists for any proposed purpose, or if any proposed purpose falls outside of Department standards, explain how the use is reasonable for that purpose.         	<input type="checkbox"/> A
73. Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
a. If yes,	
i. Have you researched or consulted with DEQ regarding those requirements?	<input type="checkbox"/> Y <input type="checkbox"/> N
74. Are you proposing to use surface water for in-house domestic use?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
a. If yes, does a COSA exist for the proposed place of use?	<input type="checkbox"/> Y <input type="checkbox"/> N
i. If yes, please submit the COSA.	<input type="checkbox"/> S
ii. If no, have you researched or consulted with DEQ regarding their requirements?	<input type="checkbox"/> Y <input type="checkbox"/> N

### **Possessory Interest**

75. Do you meet one of the exceptions to possessory interest requirements, pursuant to ARM 36.12.1802? Exceptions include cases where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
a. If yes, explain.      	<input type="checkbox"/> A



b. If no,	
i. Do you own all proposed places of use?	<input type="checkbox"/> Y <input type="checkbox"/> N
1. If no,	
a. Explain. Documentation that shows you either have possessory interest or written permission of the parties with possessory interest of the place of use will be required at application submittal.     	<input type="checkbox"/> A
b. Would you like the water right to be appurtenant to the land? Please note that if your water right is not appurtenant to land it will not transfer by default with the conveyance of the property, pursuant to § 85-2-403.	<input type="checkbox"/> Y <input type="checkbox"/> N
i. If no, explain.    	<input type="checkbox"/> A

### **Non-Mandatory Project Specific Questions**

#### *Place of Storage*

76. Does the proposal include at least one place of storage? If yes, answer questions 77 to 80 for each individual place of storage (use "Additional Place of Storage (600P)" sheet for additional places of storage). A Permit Storage Addendum (Form 600-SA) will be required at application submittal. If no, this section is complete, and you can skip to question 81.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
77. Are preliminary designs available? Preliminary designs will be required at application submittal.	<input type="checkbox"/> S
a. If yes, submit preliminary designs.	<input type="checkbox"/> Y <input type="checkbox"/> N
78. Will the place of storage be lined?	<input type="checkbox"/> Y <input type="checkbox"/> N
79. What is the annual net evaporation of water from the place of storage, based on the Department's gridded net evaporation layer? If you propose a different method, attach an explanation and justification of the method.  	<input type="checkbox"/> A





80. Is the place of storage capacity calculated to be greater than 50 AF?	<input type="checkbox"/> Y <input type="checkbox"/> N
a. If yes, have you made an application to the DNRC Water Operations Bureau for a determination of whether the dam or reservoir is a high-hazard dam? This will be required by application submittal.	<input type="checkbox"/> Y <input type="checkbox"/> N

*Project-Specific Questions: Water Marketing*

81. Does the proposal include water marketing? If yes, please answer the questions in this section (questions 82 to 85). A Water Marketing Addendum Purpose Addendum (600/606-WMA) will be required at application submittal. If no, this section is complete.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
82. For what purpose(s) will the marketed water be used? _____ _____ _____	<input type="checkbox"/> A
83. How will you control or limit access to the water? _____ _____ _____	<input type="checkbox"/> A
84. Do you have contracts for the entire volume and flow rate sought?	<input type="checkbox"/> Y <input type="checkbox"/> N
85. Provide a service area map. Create map on an aerial photograph or topographic map and show the following: general service area boundary, section corners, township and range, scale bar, and north arrow.	<input type="checkbox"/> S



**FOLLOW-UP**

*The tables below will identify all questions marked for follow-up. Applicant follow-up will be submitted with the completed Preapplication Meeting Form: Part B (Form 600P-B). Applicant will provide all responses to questions marked for follow-up on a separate document entitled “Follow-up Responses.” At the preapplication meeting, the Department may offer to provide the Applicant with information pertinent to identified follow-up. In this case, record in the notes column what information the Department will provide and the date by which the Department will email this information to the Applicant. This information will supplement but not replace Applicant follow-up. It is the responsibility of the Applicant to provide all follow-up, including questions supplemented by Department information, in the “Follow-up Responses” document.*

*The “Follow-up Responses” document must conform to the following standards. Label all responses with the question number. Answer questions in the same format as the form. For responses in the form of checkboxes, write “Y”, “N”, “S”. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses and tables. Tables must have the exact headings found on the form. Questions that require items to be submitted to the Department may be marked “S” when the required item is attached to the Preapplication Meeting Form. Label all submitted items with the question number for which they were submitted.*

***The Applicant may not alter the Preapplication Meeting Form: Part A (Form 600P-A) signed at the Preapplication Meeting. Instead, the Applicant must use the Amended Responses procedure defined in Form 600P-B. Do not include additional information for questions that were not marked for follow-up on this table; instead include any additional information pursuant to the process for amending responses defined in Form 600P-B.***

QUESTION #	NOTES







## PREAPPLICATION MEETING AFFIDAVIT & CERTIFICATION

"We attest that the information on this form accurately describes the proposed project discussed during the preapplication meeting, and that the items marked for follow-up will require the Applicant to provide additional information before the form is deemed complete."

"Applicant acknowledges that any information provided by the Department during the preapplication meeting is preliminary and subject to change."

"Applicant acknowledges that if the follow-up information provided to the Department substantially changes the proposed project, for example in a way that alters which sections of the form are applicable or which technical analyses are required, or who is to complete the technical analyses, the applicant will need to schedule a new preapplication meeting so that the Department can identify any additional information necessary for completion of the technical analyses (ARM 36.12.1302(3)(c))."

Upon Department receipt of the completed form (within 180 days following the meeting), the Department reserves five business days to return the form to the applicant if:

- 1 – the completed form does not include all necessary follow-up information identified in the meeting, OR
- 2 – the completed form is not adequate for the Department to proceed with technical analyses, OR
- 3 – the applicant has elected to complete technical analyses and has not submitted each piece of technical analysis required, OR
- 4 – the applicant has substantially changed the details of the proposed project, such as in a way that alters which sections of the form are applicable, which technical analyses are required, or who is to complete the technical analyses.

If the Department returns the form to the Applicant within these five days due to reasons 1-3 above, the Applicant can use the balance of their 180-day period in ARM 36.12.1302(4) or (5) to gather the remaining follow-up information needed. If there is no time remaining in the 180-day period, the Applicant can submit a written request for a new preapplication meeting, pursuant to ARM 36.12.1302(2). Even if there is still time remaining, the Applicant can choose to schedule a new preapplication meeting. The Department shall transfer the \$500 payment received to the new preapplication meeting or refund the payment to the Applicant if the Applicant desires. If the Department returns the form to the Applicant within these five days due to reason (4) above, the Applicant must submit a written request for a new preapplication meeting, pursuant to ARM 36.12.1302(2). The Department shall transfer the \$500 payment received to the new preapplication meeting or refund the payment to the Applicant if the Applicant desires.

<i>Scott M. Griswold</i>	9/23/2025
Applicant Signature	Date
<i>Pamela K. Griswold</i>	9/23/2025
Applicant Signature	Date
<i>Christine Schweigert</i>	9/23/2025
Department Signature	Date





## REQUEST FOR PREAPPLICATION MEETING

ARM 36.12.1302(2)  
(Revised 02/2025)

For Department Use Only

RECEIVED

AUG 18 2025

DNRC-WRD-BILLINGS

Date Received

8/18/2025

Received By

W

Scheduled Meeting Date

7/22/2025  
11 Am

### Instructions

Use this optional form to submit a written request for a preapplication meeting, as required in ARM 36.12.1302(2) for applicants electing to complete a preapplication meeting with the department prior to submitting an application for a beneficial water use permit or change in appropriation right pursuant to § 85-2-302, MCA. Use additional sheets as necessary.

Submit this form to the appropriate regional office; see contact information on the last page of this form.

### 1. Applicant Name

SCOTT M. GRISWOLD

Mailing Address 33 Sand Creek Road

City Bridger

State Montana

Zip

59014-9581

Home Phone 406-662-3500

Other Phone 406-690-9765

Email: griswoldsmgllc@gmail.com

### 2. Representative Name (if other than Applicant)

☐ Representative is Consultant ☐ Representative is Attorney ☐ Representative is Other

Mailing Address

City

State

Zip

Home Phone

Other Phone

Email:

### 3. Are you requesting a preapplication meeting for a permit or change application?

☒ Permit ☐ Change

### 4. Describe your project:

The project is intended to include acquiring a permit to divert Sand Creek Canal Company waste water being carried via Sand Creek for flood irrigation purposes, and to construct a pump site facility to divert/deliver that waste water to an existing flood irrigation system utilizing an open ditch and gated pipe.



5. Identify the following elements of the proposed permit or change in appropriation.

- a) The flow rate and volume of water required:

Flow Rate 3.13 ☐ GPM ☒ CFS Volume 124.71 ~~95.46~~ Acre-Feet

- b) The point of diversion:

Point of Diversion #1 SW 1/4 SW 1/4 SW 1/4 Section 04, Township 06 ☐ N ☒ S, Range 23 ☒ E ☐ W  
County CARBON

Lot/Tract TR 1A2 Block \_\_\_\_\_ Subdivision Name COS 1008 2ND AM & PT of GOV LOT 10

Point of Diversion #2 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

County \_\_\_\_\_

Lot/Tract \_\_\_\_\_ Block \_\_\_\_\_ Subdivision Name \_\_\_\_\_

- c) The place of use:

31.10  
23.73 Acres 1A2 Lot \_\_\_\_\_ Block \_\_\_\_\_ 1/4 SW 1/4 SW 1/4 Sec 04, Twp 06 ☐ N ☒ S, Rge 23 ☒ E ☐ W  
\_\_\_\_ Acres \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_, Twp \_\_\_\_\_ ☐ N ☐ S, Rge \_\_\_\_\_ ☐ E ☐ W  
\_\_\_\_ Acres \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_, Twp \_\_\_\_\_ ☐ N ☐ S, Rge \_\_\_\_\_ ☐ E ☐ W  
\_\_\_\_ Acres \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_, Twp \_\_\_\_\_ ☐ N ☐ S, Rge \_\_\_\_\_ ☐ E ☐ W  
\_\_\_\_ Acres \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_, Twp \_\_\_\_\_ ☐ N ☐ S, Rge \_\_\_\_\_ ☐ E ☐ W

- d) The source of water: Sand Creek Canal Company Waste Water Carried via Sand Creek

- e) The proposed purpose: Crop / Pasture Flood Irrigation Utilizing an Open Ditch and Gated Pipe

- f) For a change in appropriation right, the water right(s) proposed for change: N/A

Type of water right \_\_\_\_\_ Basin \_\_\_\_\_ Water Right # \_\_\_\_\_

Type of water right \_\_\_\_\_ Basin \_\_\_\_\_ Water Right # \_\_\_\_\_

Type of water right \_\_\_\_\_ Basin \_\_\_\_\_ Water Right # \_\_\_\_\_

Identify the water right elements proposed for change, with a checkmark for each water right proposed for change.

Water Right #	N/A				
Point of diversion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Place of use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Purpose of use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Place of storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





g) For a change in appropriation right, an explanation of historical use of the right(s) proposed for change:

N/A

h) Any proposed place of storage, if applicable (only if storage capacity is greater than 0.1 acre-feet): N/A

#1 Capacity: Surface Acres \_\_\_\_\_ x Max Depth (feet) \_\_\_\_\_ x (.4 for dams/.5 for pits) = \_\_\_\_\_ Acre-Feet

Location: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

#2 Capacity: Surface Acres \_\_\_\_\_ x Max Depth (feet) \_\_\_\_\_ x (.4 for dams/.5 for pits) = \_\_\_\_\_ Acre-Feet

Location: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

#3 Capacity: Surface Acres \_\_\_\_\_ x Max Depth (feet) \_\_\_\_\_ x (.4 for dams/.5 for pits) = \_\_\_\_\_ Acre-Feet

Location: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

i) For applications proposing a well or wells, the well depth(s) and location. If more than two wells, attach a separate sheet to this request: N/A

Well #1 ☐ New Well ☐ Existing Well

For existing well, if available, Water Right # \_\_\_\_\_ GWIC ID \_\_\_\_\_

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

County \_\_\_\_\_

Lot/Tract \_\_\_\_\_ Block \_\_\_\_\_ Subdivision Name \_\_\_\_\_

Estimated Well Depth \_\_\_\_\_ Feet

Well #2 ☐ New Well ☐ Existing Well

For existing well, if available, Water Right # \_\_\_\_\_ GWIC ID \_\_\_\_\_

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Section \_\_\_\_\_, Township \_\_\_\_\_ ☐ N ☐ S, Range \_\_\_\_\_ ☐ E ☐ W

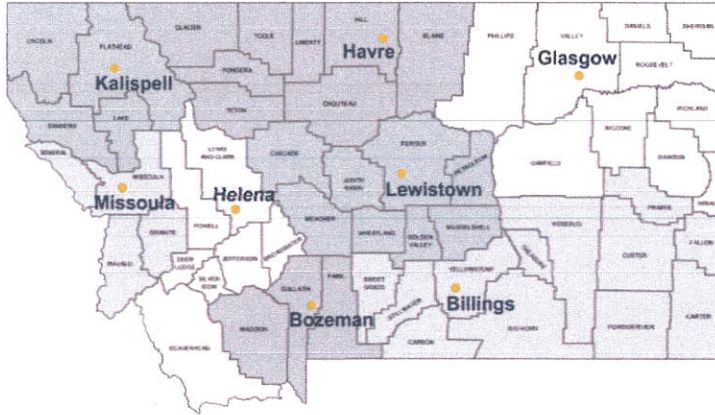
County \_\_\_\_\_

Lot/Tract \_\_\_\_\_ Block \_\_\_\_\_ Subdivision Name \_\_\_\_\_

Estimated Well Depth \_\_\_\_\_ Feet



## WATER RESOURCES REGIONAL OFFICES



### **BILLINGS**

Airport Industrial Park, 1371 Rimtop Dr  
Billings, MT 59105-9702

PHONE 406-247-4415 FAX 406-247-4416  
EMAIL [DNRCBillingsWater@mt.gov](mailto:DNRCBillingsWater@mt.gov)

*Big Horn, Carbon, Carter, Custer, Fallon, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, and Yellowstone Counties*



### **HELENA**

1424 9th Ave., PO Box 201601,  
Helena, MT 59620-1601

PHONE 406-444-6999 FAX 406-444-9317  
EMAIL [DNRCHelenaWater@mt.gov](mailto:DNRCHelenaWater@mt.gov)

*Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis and Clark, Powell, and Silver Bow Counties*



### **BOZEMAN**

2273 Boot Hill Court, Suite 110  
Bozeman, MT 59715-7249

PHONE 406-586-3136 FAX 406-587-9726  
EMAIL [DNRCBozemanWater@mt.gov](mailto:DNRCBozemanWater@mt.gov)

*Gallatin, Madison, and Park Counties*



### **KALISPELL**

655 Timberwolf Parkway, Suite 4  
Kalispell, MT 59901-1215

PHONE 406-752-2288  
EMAIL [DNRCKalispellWater@mt.gov](mailto:DNRCKalispellWater@mt.gov)

*Flathead, Lake, Lincoln, and Sanders Counties*



### **GLASGOW**

222 6th Street South, PO Box 1269  
Glasgow, MT 59230-1269

PHONE 406-228-2561  
EMAIL [DNRCGlasgowWater@mt.gov](mailto:DNRCGlasgowWater@mt.gov)

*Daniels, Dawson, Garfield, McCone, Phillips, Richland, Roosevelt, Sheridan, Valley, and Wibaux Counties*



### **LEWISTOWN**

613 Northeast Main St., Suite E  
Lewistown, MT 59457-2020

PHONE 406-538-7459  
EMAIL [DNRCLewistownWater@mt.gov](mailto:DNRCLewistownWater@mt.gov)

*Cascade, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, and Wheatland Counties*



### **HAVRE**

210 6th Ave., PO Box 1828  
Havre, MT 59501-1828

PHONE 406-265-5516  
EMAIL [DNRCHavreWater@mt.gov](mailto:DNRCHavreWater@mt.gov)

*Blaine, Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties*



### **MISSOULA**

2705 Spurgin Rd. Bldg. C, PO Box 5004  
Missoula, MT 59806-5004

PHONE 406-721-4284 FAX 406-542-5899  
EMAIL [DNRCMissoulaWater@mt.gov](mailto:DNRCMissoulaWater@mt.gov)

*Granite, Mineral, Missoula, and Ravalli Counties*



MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION  
Water Resources Division – Water Rights Bureau  
<https://dnrc.mt.gov/Water-Resources/Water-Rights/>