Processing Materials

- Work copies of applicant-submitted information
- Deficiency letter
- Deficiency response
- Correct & complete determination
- Any correspondence with the applicant after application receipt and prior to sending the Draft PD

Processing Materials

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

April 20, 2026

R Bar N Ranch, L.L.C.
89 Sand Creek Rd
Bridger, MT 59014

Subject: Correct and Complete Application for (Form 600) for Beneficial Water Use Permit Application No. 43D 30171861

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,

C. Strebeck

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

Application Materials

- Application
- Any information submitted with Application including maps

Application Materials

APPLICATION FOR
BENEFICIAL WATER USE PERMIT
§ 85-2-302, MCA

Form No. 600 *(10/2025)*

For Department Use Only

RECEIVED
APR 10 2026
DNRC-WRD-BILLINGS

Application # 30171861 Basin 43D
Priority Date April 10, 2026 Time 12:34 AM/PM
Rec'd By CS2
Fee Rec'd $ 700.00 Check # 008857
Deposit Receipt # BLS26 25839
Payor R BAR N RANCH LLC
Refund $ _____ Date _____

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.

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

Applicant Name R Bar N Ranch, LLC
Mailing Address 89 Sand Creek Road City Bridger State MT Zip 59014
Phone Numbers: Home N/A Work Rick Cline: 406-560-3018 Cell Nancy Cline: 406-560-3014
Email Address rbarnranch2@gmail.com

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

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 Griswold
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.

_____
_____
_____
_____
_____
_____

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.

_____
_____
_____
_____
_____

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** ☐ *GPM* ☑ *CFS*	**Volume** *(Acre-Feet)*
Irrigation	Pump	6.85	05/01-09/30	05/01-09/30	1.0	17.09
			Total Flow Rate and Volume Required		1.0	17.09

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)	Sprinkler - Big Gun Portable Sprinkler
Irrigation (flood only)	Design slope	

POINT(S) OF DIVERSION

20. Describe the proposed location of the point(s) diversion to the nearest ¼ ¼ ¼ Section. Label each POD with the POD ID number used for the project map (question 17).

POD #	¼	¼	¼	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot
1	SW	NW	NE	8	6S	23E	Carbon					

PLACE OF USE

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

10-0449-08-2-01-01-0000	

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	¼	¼	¼	Sec.	Twp.	Rge.	County
2.2			NW	Nw	NE	8	6S	23E	Carbon
0.15			NE	Nw	NE	8	6S	23E	Carbon
1.7			SW	Nw	NE	8	6S	23E	Carbon
2.8			SE	Nw	NE	8	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 (Statement of Claim 43D 199996-00) are not always available; thus, applicant will continue to use the ditch shares when available, and utilize the proposed water right to supplement needed water when shares are not available. The proposed water right will have 6.35 AC that overlap with acreage irrigated under the ditch shares. The overlapped acreage uses 15.88 AF of water.

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 199996-00	04/01 - 10/15	04/01 - 10/15	225 CFS	0.0-15.88 AF

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 199996-00) are not reliable or always available. The proposed water right (permit) will be used when the ditch shares water is not available or is 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.

The applicant can cease diversion by stopping pump operation if a valid call is made.

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

The 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 water in the event of a water shortage.

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.

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).

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.

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.

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.

The main diversionary feature will consist of a stationary pump unit and suction apparatus. The proposed pump (Cornell Mod. 3RB, 20 HP, 1,800 RPM, 11.5" impeller) will provide flow of 425 GPM at a head of 133 ft at an operating speed of 1,775 RPM and efficiency of 78%. This pump unit will produce a maximum output of 510 GPM @ 1,775 RPM (78% efficiency) at a head of 121 ft. This output range is sufficient to provide the 1.0 CFS / 448.8 GPM flow rate the applicant is requesting.

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 stationary pump unit and suction apparatus. The proposed pump (Cornell Mod. 3RB, 20 HP, 1,800 RPM, 11.5" impeller) is configured w/ a 5-inch suction and 3-inch discharge. Pumping capacity is from 425 GPM - 510 GPM. Water will be conveyed from the pump by a pipeline system designed to supply a mobile/portable Big Gun sprinkler. The pipeline consists of a main line from the pump feeding (5) auxiliary lines that service the various areas of the POU. The Big Gun sprinkler unit is designed to be supplied by the pipeline system, enabling it to be utilized at multiple locations throughout the POU. Pipe loss from the POD to the sprinkler head is estimated to be minimal.

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 proposed diversion and conveyance infrastructure is designed to provide adequate flow and volume for the proper irrigation of the POU. Pump capacity is from 425 GPM - 510 GPM. This capacity is consistent with the 1.0 CFS/448.8 GPM flow rate the applicant is requesting. Sand Creek water flow/volume is sufficient throughout the proposed period of diversion, the pipeline and sprinkler system is designed for efficient water usage, and water losses during conveyance and application are anticipated to be minimal. Applicant believes the proposed conveyance infrastructure is adequate for the intended irrigation purposes plus any losses.

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 in 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 will be conveyed/delivered to the POU via a pipeline system, and applied to the land by a mobile/portable Big Gun sprinkler system.

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

37.a. If yes, explain.

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.

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.

41. ☐ Y ☑ N Is the means of diversion for any proposed point of diversion a well?

IF YES,

41.a. ☐ Y ☐ N Have all wells been drilled?

41.b. For all wells that have been drilled, what is the name of the well driller and, if available, what is their license number?

_____

41.c. ☐ Y ☐ N For all wells yet to be drilled, will a licensed well driller construct the wells?

41.d. ☐ S ☐ NA Submit any well logs not yet submitted to the Department.

BENEFICIAL USE

42. ☑ Y ☐ N Does the Department have a volume, period of diversion, or period of use standard for the purposes for which water is proposed? Department standards can be found in the DNRC Water Calculation Guide, ARM 36.12.112, and ARM 36.12.115.

42.a. ☑ Y ☐ N If yes, do all proposed beneficial uses fall within Department standards?

42.b. If no Department standard exists, or if any proposed beneficial use falls outside of Department standards, explain how the requested flow rate and volume are reasonable for the purpose.

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

43. ☐ Y ☑ N Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?

44. ☐ Y ☑ N Are you proposing to use surface water for in-house domestic use?

44.a. ☐ Y ☐ N If yes, does a COSA exist for the proposed place of use?

44.a.i. ☐ S ☐ NA If yes, please submit the COSA.

44.a.ii. ☐ Y ☐ N If no, have you researched or consulted with DEQ regarding their requirements?

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.

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.

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.

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 5 years / 60 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 Rick Cline - On Behalf of R Bar N Ranch, LLC

Applicant Signature _____ Date: 4-7-26

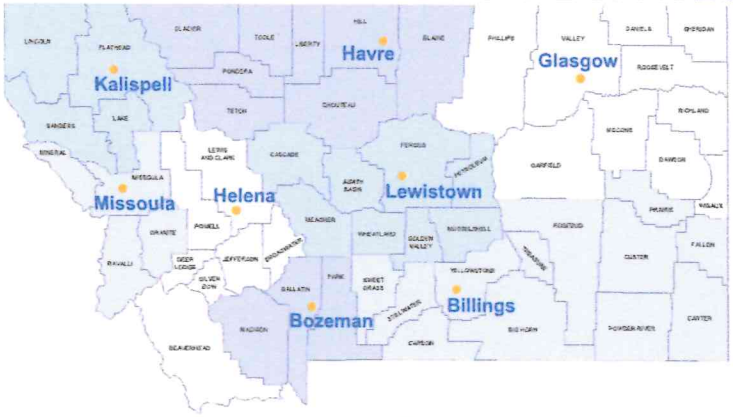
Printed Name Nancy Cline - On Behalf of R Bar N Ranch, LLC

Applicant Signature _____ Date: 4-7-26

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

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

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

PHONE 406-586-3136 FAX 406-587-9726
EMAIL DNRCBozemanWater@mt.gov

Gallatin, Madison, and Park Counties

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

PHONE 406-228-2561
EMAIL DNRCGlasgowWater@mt.gov

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

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

PHONE 406-265-5516
EMAIL DNRCHavreWater@mt.gov

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

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

PHONE 406-444-6999 FAX 406-444-9317
EMAIL DNRCHelenaWater@mt.gov

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

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

PHONE 406-752-2288
EMAIL DNRCKalispellWater@mt.gov

Flathead, Lake, Lincoln, and Sanders Counties

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

PHONE 406-538-7459
EMAIL DNRCLewistownWater@mt.gov

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

Granite, Mineral, Missoula, and Ravalli Counties

QUESTION 11.

ATTACHMENTS

APPLICATION FOR BENEFICIAL WATER USE PERMIT

APPLICATION NO. 43D 30171861

R BAR N RANCH LLC

DNRC FORM NO. 600

ADDENDUM

ATTACHMENTS

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

(4 Pages) Review Letter from Therese Hartman, MSGHCP Mgr; R Bar N Ranch, LLC Sand Creek Pump Diversion Project (No. 7184) and Lek Location Map.

Question 17 - (5 Pages) Maps showing (3) aerial overviews of the subject property, (1) map detailing the proposed POD (#1), conveyance facilities and all proposed POUs, and (1) map designating those POUs for overlapping water rights.

Question 32 - (1 Page) Diagram of system operation indicating POD, pump station, main pipeline, and auxiliary pipelines. See Notes regarding operation of system on "QUESTION 32. ATTACHMENTS" title page.

Question 33 - (1 Page) Project material prepared by Agri Industries (Billings, MT): Consisting of a pump design utilizing a Cornell 3RB pump curve / performance evaluation for analysis and estimation purposes.

MONTANA SAGE GROUSE
HABITAT CONSERVATION PROGRAM

GREG GIANFORTE, GOVERNOR

STATE OF MONTANA

1539 ELEVENTH AVENUE

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

PO BOX 201601
HELENA, MONTANA 59620-1601

Project No. 7184
Governor's Executive Orders 12-2015 and 21-2015
R Bar N Sand Creek Pump Diversion

Rick Cline
89 Sand Creek Road
Bridger, MT 59014

October 15, 2025

Dear Mr. Cline,

The Montana Sage Grouse Habitat Conservation Program received a request for consultation and review of your project or proposed activity on October 4, 2025. Additional information necessary for Program review what received on October 10, 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: 0.52 Miles of Aboveground Water Pipeline; 373.75-Foot-Long Buried Power Line; 0.002 Acre Pump Site
Construction Timeframe: March 2, 2026 to April 15, 2026; Temporary (<1 Year)
Operations Timeframe: April 16, 2026; Permanent (>25 Years)

Project Location:

Legal: Township 6 South, Range 23 East, Section 8
County: Carbon
Ownership: Private

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

The R Bar N Sand Creek Pump Diversion Project proposes to install an aboveground water line and buried power line for irrigation purposes in General Habitat for sage grouse.

The private landowner proposes to install an aboveground water pipeline and buried power line approximately 1.68 miles from Bridger, Montana in Carbon County. See Figure 1 (R Bar N Sand Creek Pump Diversion Project and Lek Location Map). The water line will bring water from Sand Creek via an above ground pump to irrigate existing croplands on private property. The new buried power line will provide power to the new pump from the existing residence.

To implement the Project, a trencher will be used to dig along the north side of Sand Creek to bring power to the pump from the landowners' residence. Aboveground water lines will be connected to deliver water to three separate irrigation sprinklers to irrigate existing croplands.

At the conclusion of the Project, all disturbed areas will be reseeded with a pasture mix. 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 (R Bar N Sand Creek Pump Diversion Project and Lek Location Map).

Discussion:

The R Bar N Sand Creek Pump Diversion Project involves installing a new point of diversion, above ground water pipeline, and buried power line to irrigate existing croplands.

Exempt activities are identified in Executive Order 12-2015 (EO) as described in Attachment F. The activities described for the R Bar N 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 japonicas*).

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,

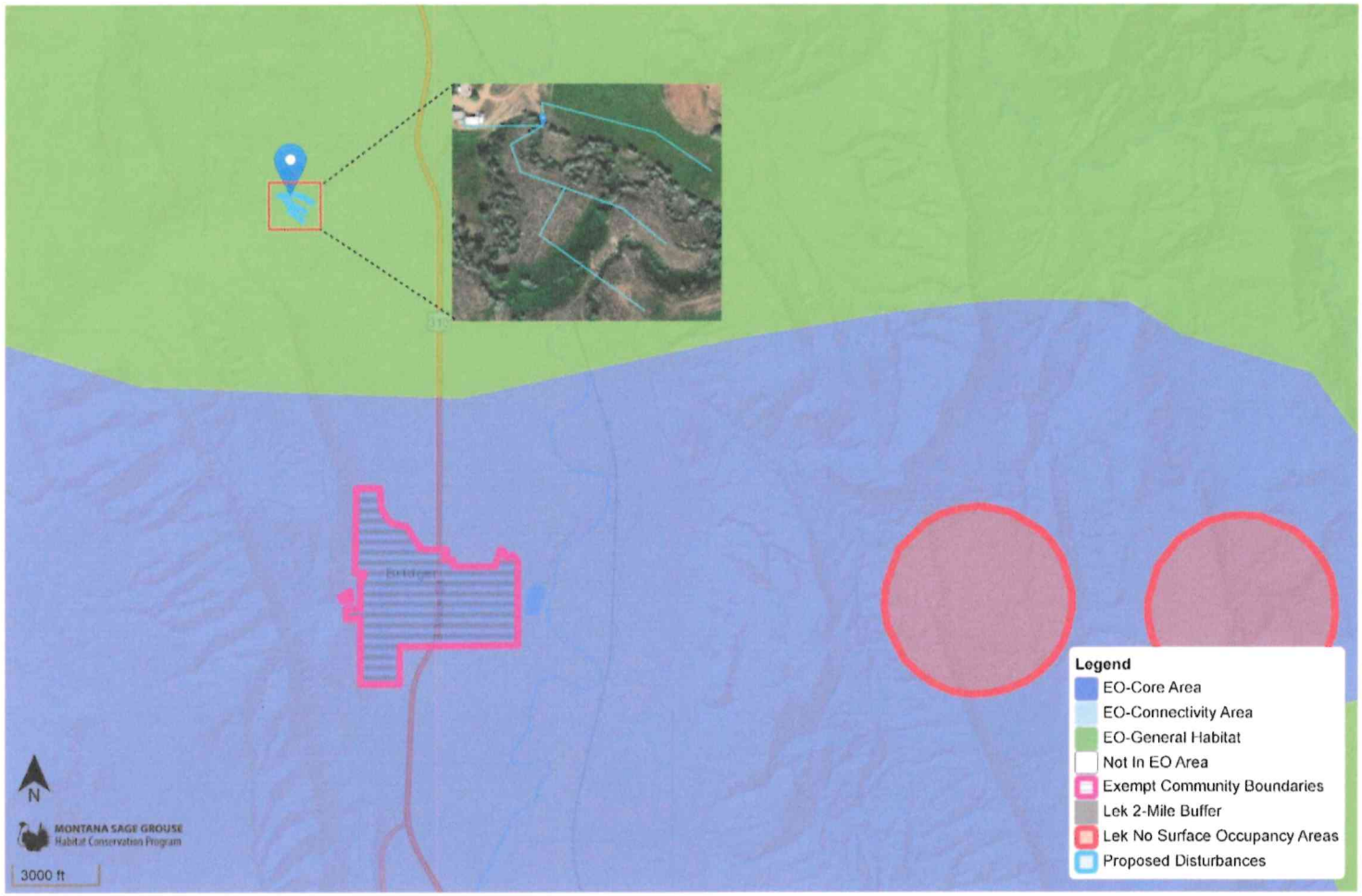
Therese Hartman
Montana Sage Grouse Habitat Conservation Program Manager

Attachments:

1. Figure 1. R Bar N Sand Creek Pump Diversion Project and Lek Location Map

Figure 1

7184_R Bar N Sand Creek Pump Diversion Project and Lek Location



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

Permit Agencies:

Department of Natural Resources and Conservation

Vegetation Removal:

No

Reclamation of Surface Disturbance:

Yes, using a proposed seed mix of "Pasture Mix", occurring in April, 2026

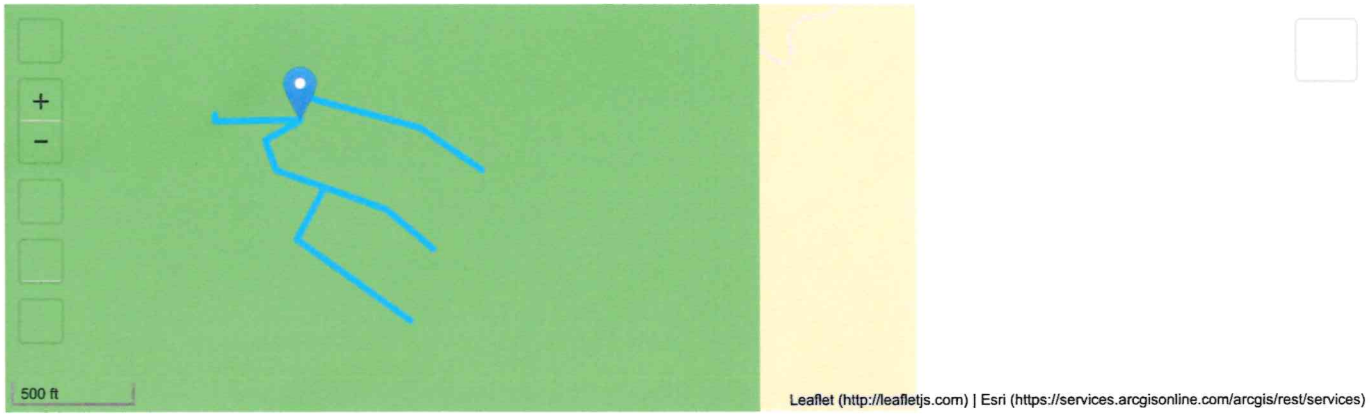
State or Federal Funding:

No

Reviewer:

Hair, Daniel

LOCATION DETAILS



EO Habitat Class:

EO-General Habitat

Core Area Names:

Not in any Core Area

Management Zones:

Wyoming Basins Management Zone

Service Areas:

Central

No Surface Occupancy Areas:

Not in any NSOA

Exempt Community Boundaries:

Not in any Exempt Community Boundary

In BLM Priority Habitat Area?

No

Counties:

Carbon

TRS:

Township 6 South, Range 23 East, Section 8

TRS By Habitat Classification

EO-General Habitat

Township 6 South, Range 23 East, Section 8

Land Owner Information:

Private

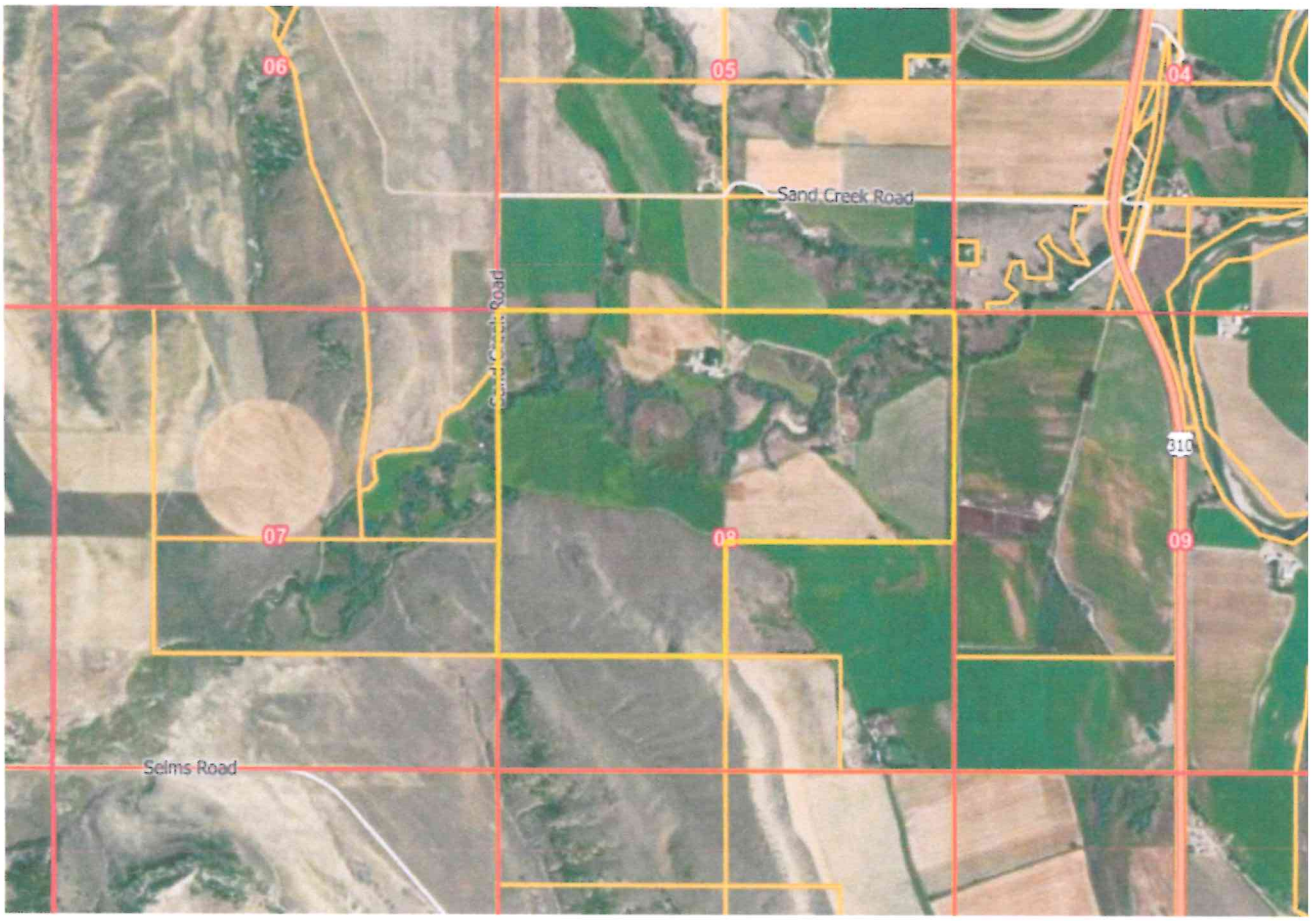
REVIEWER COMMENTS

QUESTION 17.

ATTACHMENTS

Cadastral Records

Scale: 1:33324.32 Basemap: Imagery Hybrid



1

Geocode: 10-0449-08-2-01-01-0000

Property Address: 89 SAND CREEK RD BRIDGER, MT 59014

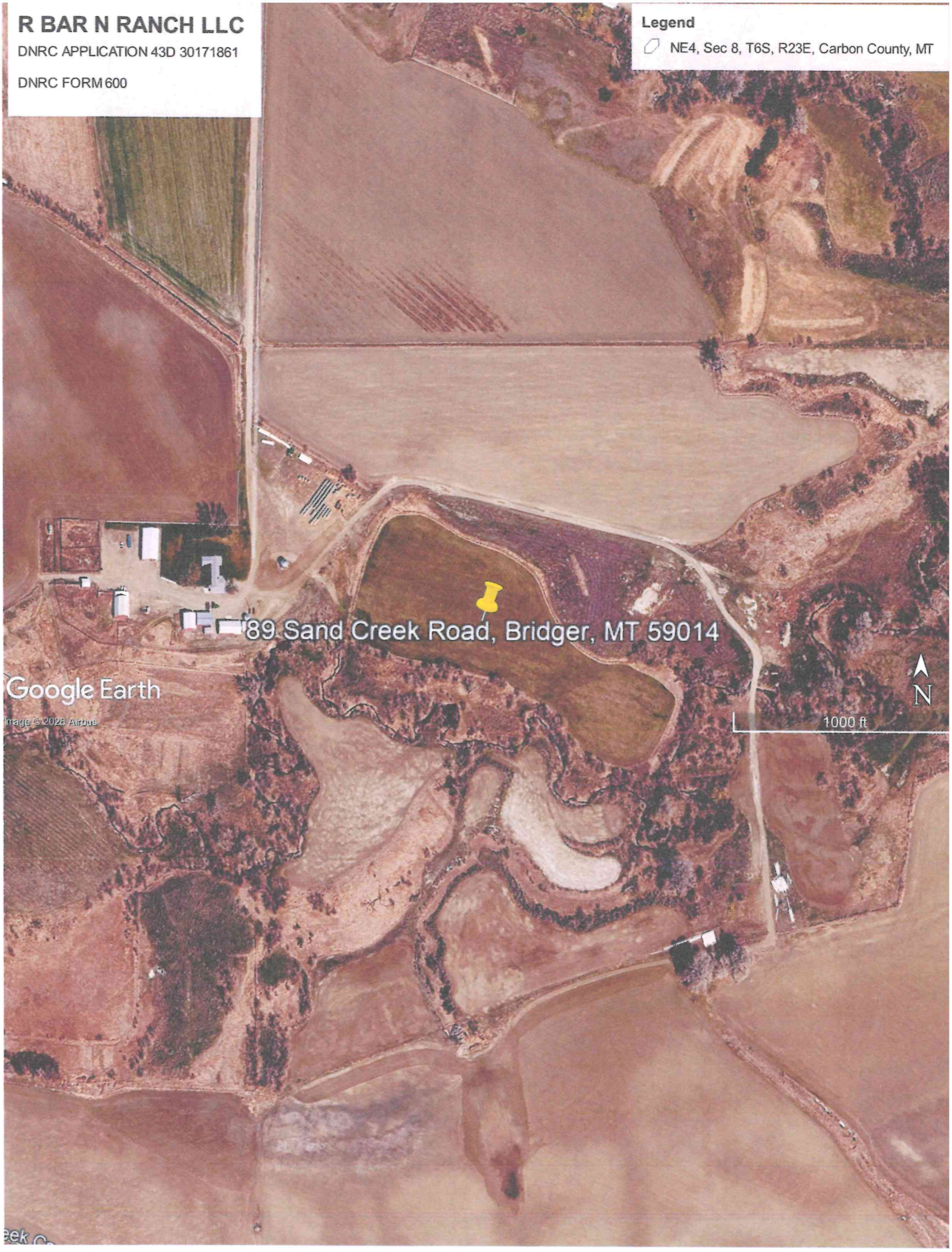
Property Type: N/A

Disclaimer

R BAR N RANCH LLC

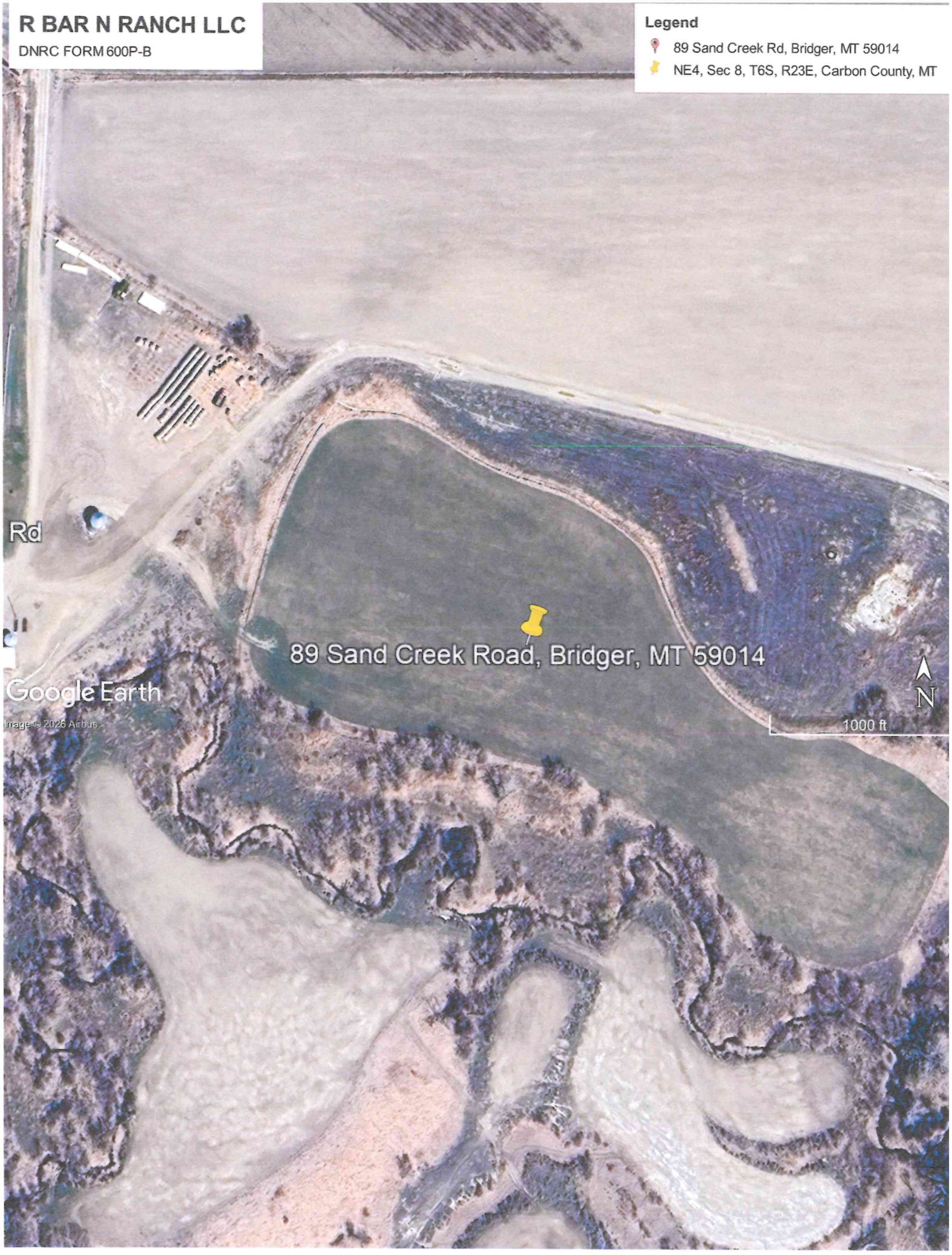
DNRC APPLICATION 43D 30171861

DNRC FORM 600

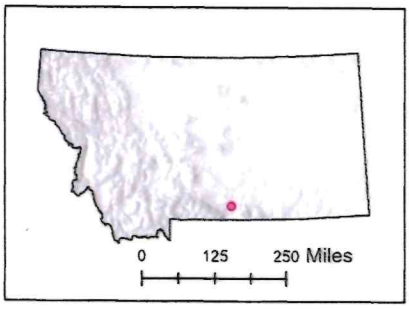


R BAR N RANCH LLC

DNRC FORM 600P-B

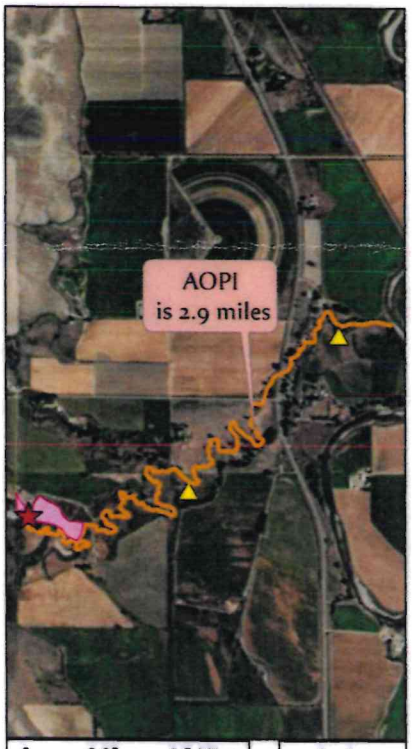


43D 30171861 - R Bar N Ranch, LLC - Proposed



Legend

- Proposed Point of Diversion - Pump Site 1
- Proposed Pipeline System
- Proposed Place of Use
- Sand Creek
- AOPI
- Water Rights in AOPI



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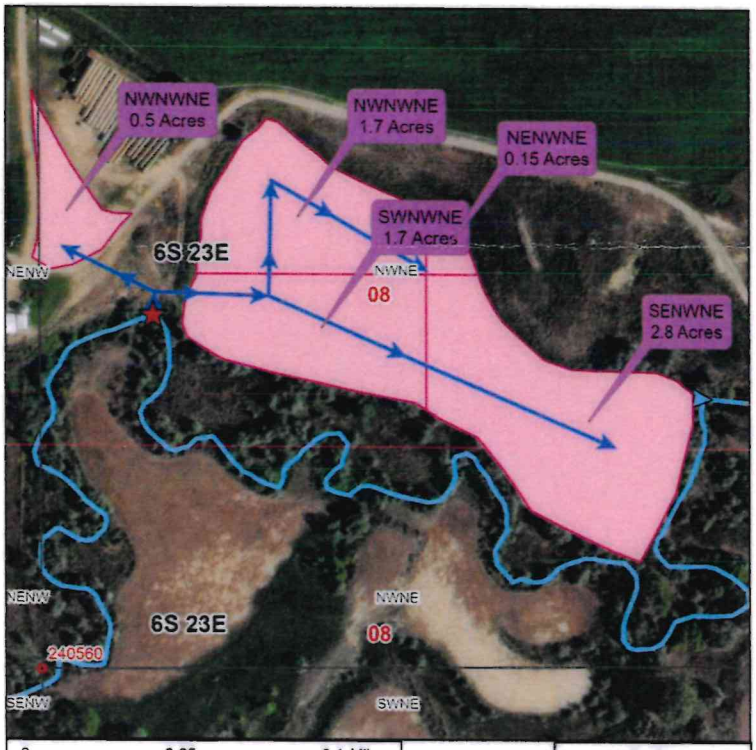

Scale: 1:3,000

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

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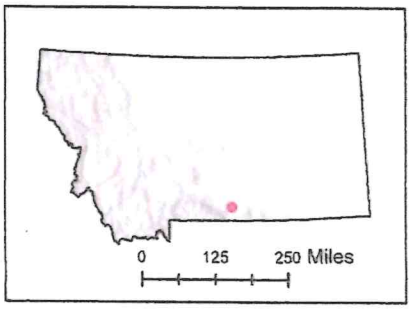
Map Created: 3/26/2026
Author: Cassey Strebeck,
Water Resource Specialist

State Boundary: US Bureau of Land Management, Geographic Coordinate Database, US Geological Survey 1:24,000 Digital Raster Graphics, Montana State Library
MSDI PLSS:
World Imagery: Vantor
World Imagery: Earthstar Geographics

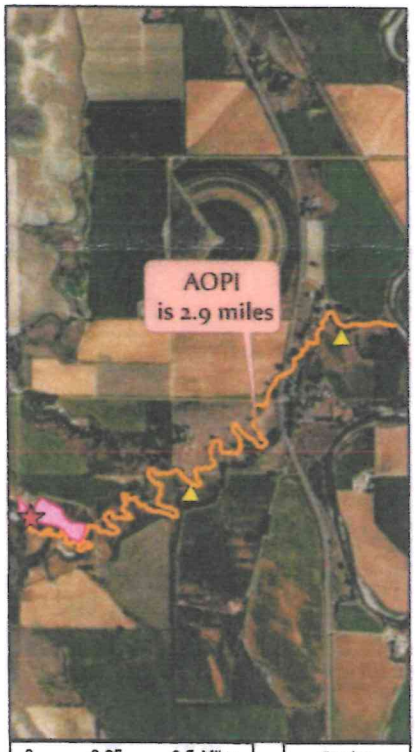
43D 30171861 - R Bar N Ranch, LLC - Proposed



Legend

- Proposed Point of Diversion - Pump Site 1
- Proposed Pipeline System
- Proposed Place of Use
- Sand Creek
- AOPI
- Water Rights in AOPI

Overlapping Water Rights



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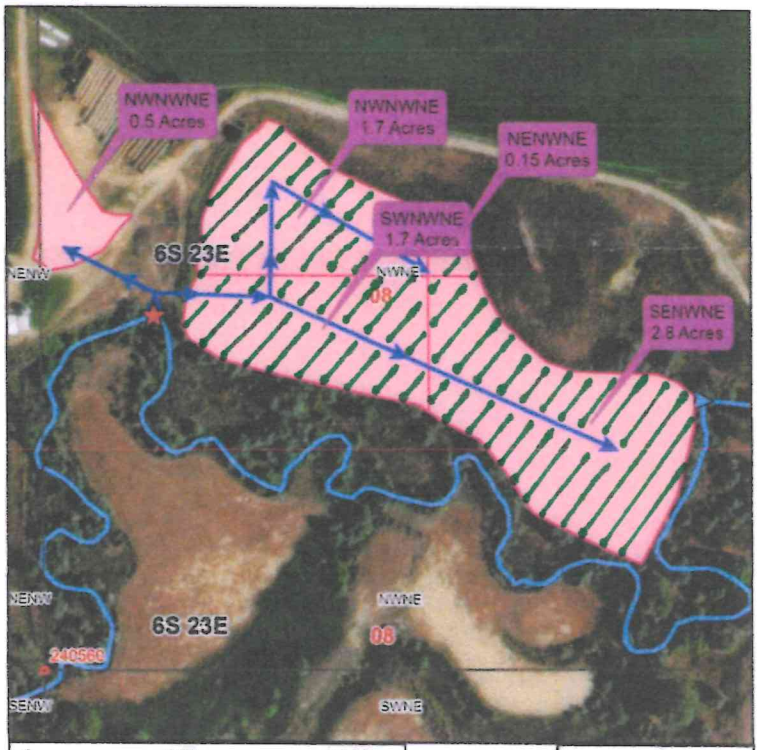

Scale: 1:3,000

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Map Created: 3/26/2026
Author: Cassey Strebeck,
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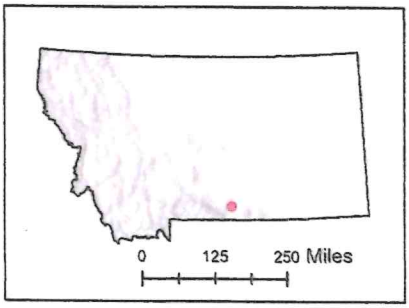
State Boundary: US Bureau of Land Management, Geographic Coordinate Database, US Geological Survey 1:24,000 Digital Raster Graphics, Montana State Library
MSDI PLSS:
World Imagery: Vantor
World Imagery: Earthstar Geographics

QUESTION 32.

ATTACHMENTS

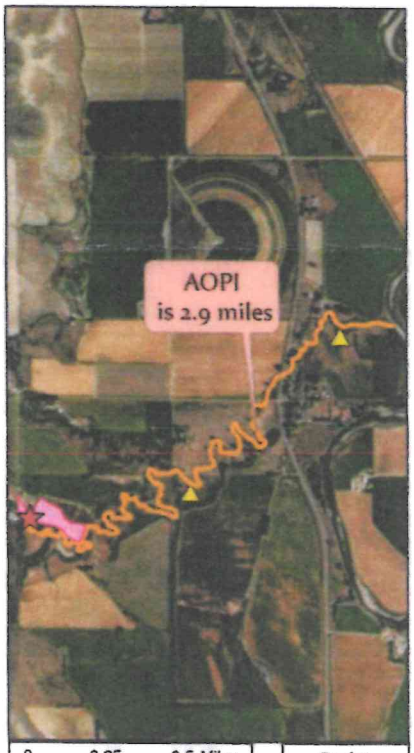
NOTE: The attached diagrams/maps indicate the infrastructure layout of the proposed project under Application No. 43D 30171861. Operation of the system involves diversion of water from Sand Creek at the proposed point of diversion (POD) utilizing a stationary pump unit with suction apparatus. Conveyance of the diverted water is via a main pipeline to an auxiliary pipeline system, providing water distribution throughout the 6.85-acre place of use (POU) by a Big Gun Irrigation sprinkler system.

43D 30171861 - R Bar N Ranch, LLC - Proposed



Legend

- Proposed Point of Diversion - Pump Site
- Proposed Pipeline System
- Proposed Place of Use
- Sand Creek
- AOPI
- Water Rights in AOPI



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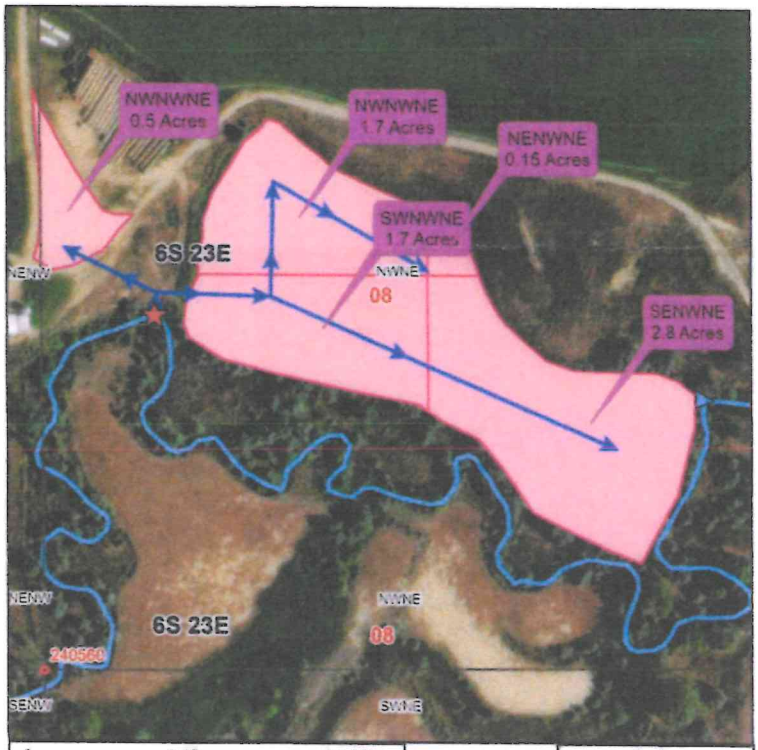

Scale: 1:3,000

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Map Created: 3/26/2026
Author: Cassey Strebeck,
Water Resource Specialist

State Boundary: US Bureau of Land Management, Geographic Coordinate Database, US Geological Survey 1:24,000 Digital Raster Graphics, Montana State Library
MSDI PLSS:
World Imagery: Vantor
World Imagery: Earthstar Geographics

QUESTION 33.

ATTACHMENTS

Pump Data Sheet - Cornell

Company: Agri Industries
Name:
Date: 10/10/2025

Pump:

Size: 3RB
Type: Clear Liquids
Synch speed: 1800 rpm
Speed: 1775 rpm
Dia: 11.5 in
Curve: 3RB18
Impeller:
Specific Speeds:
Ns: 918
Nss: ---
Dimensions:
Suction: 5 in
Discharge: 3 in

Pump Limits:

Temperature: 250 °F
Pressure: 175 psi g
Sphere size: 0.5 in
Power: ---
Eye area: ---

Search Criteria:

Flow: 425 US gpm
Head: 132 ft

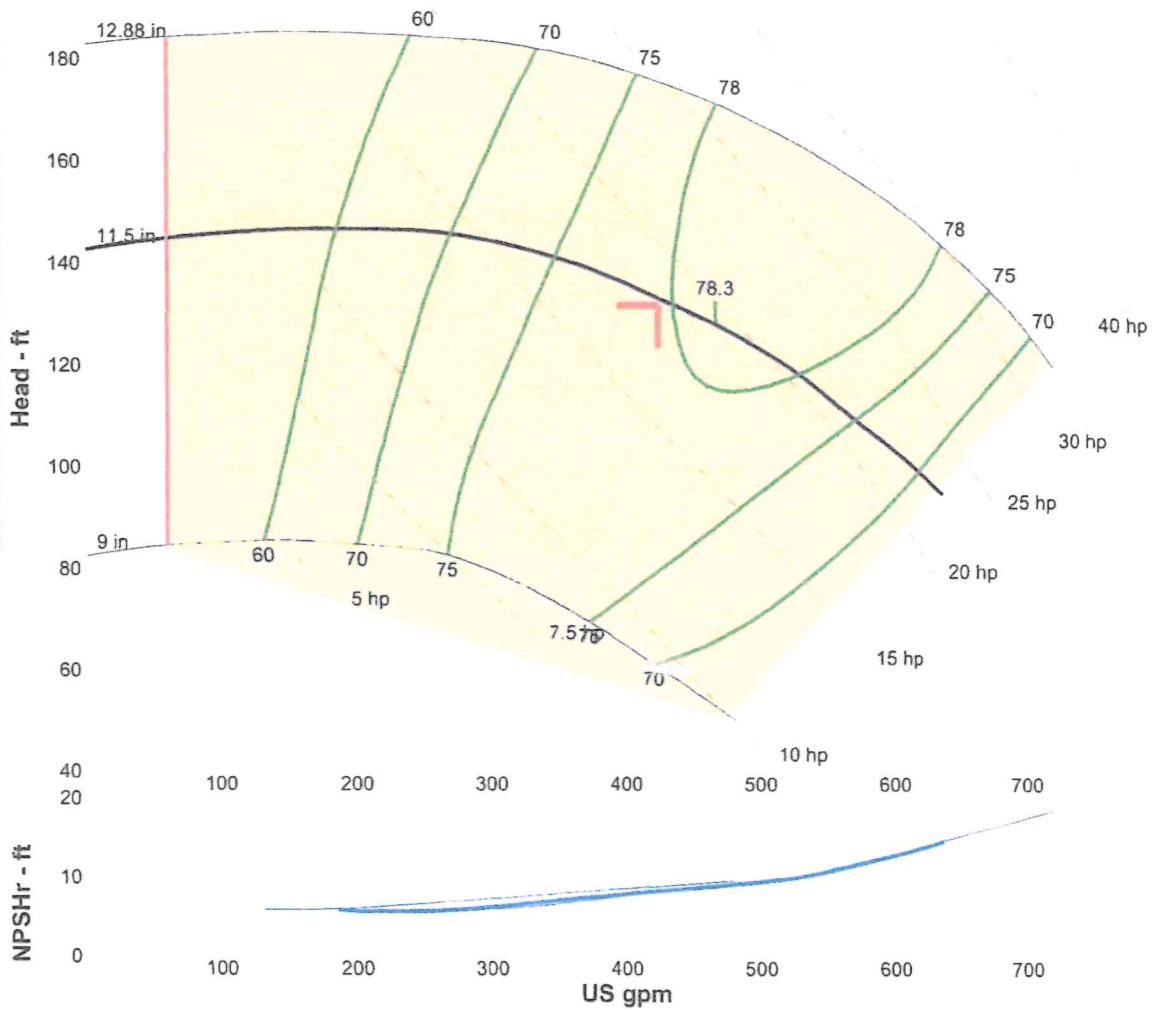
Fluid:

Water
Density: 62.32 lb/ft³
Viscosity: 0.9946 cP
Temperature: 68 °F
Vapor pressure: 0.3391 psi a
Atm pressure: 14.7 psi a
NPSHa: ---

Motor:

Standard: NEMA
Enclosure: TEFC
Size: 25 hp
Speed: 1800
Frame: 284T
Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	425 US gpm
Head:	133 ft
Eff:	78%
Power:	18.4 hp
NPSHr:	8.45 ft
---- Design Curve ----	
Shutoff head:	143 ft
Shutoff dP:	61.8 psi
Min flow:	60 US gpm
BEP:	78% @ 468 US gpm
NOL power:	22.8 hp @ 638 US gpm
-- Max Curve --	
Max power:	32.9 hp @ 720 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
510	1775	121	78	20	9.92
425	1775	133	78	18.4	8.45
340	1775	142	75	16.3	7.1
255	1775	146	68	13.7	6
170	1775	147	58	11	6

Technical Analyses Report/ Scientific Credibility Review

- Departmental Technical Analyses Report/ Scientific Credibility Review
- Any correspondence relating to the Technical Analyses Report

Technical Analyses Report / Scientific Credibility Review

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

March 30, 2026

R Bar N Ranch, LLC
89 Sand Creek Rd
Bridger, MT 59014

Subject: Completed Technical Analysis for Beneficial Water Use Permit Preapplication No. 43D 30171861

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 30171861 based on the information provided in your Preapplication Meeting Form accepted by the Department on February 17, 2026. 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 September 26, 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,

C. Strebeck

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

CC:
Scott M. & Pamela K. Griswold
33 Sand Creek Road
Bridger, MT, 59014

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	R Bar N Ranch, LLC
Application No.	43D 30171861
Proposed Point of Diversion	SWNWNE of Sec. 8, 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).

For the purposes of this document, AC means acres; AF means acre-feet; AF/YR means acre-feet per year; AU means animal unit; CFS means cubic feet per second; Co. means Company; GPM means gallons per minute; POD means point of diversion; POU means place of use; Sec. means Section; mi^2 means square miles, T means Township; and R means Range.

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

1.0 Application Details

The Applicant proposes to divert up to 17.09 AF of water from May 1 to September 30, at a rate of 1.0 CFS, from Sand Creek, by means of a pump located on Sand Creek in the SWNWNE of Sec. 8, T6S, R23E, Carbon County. The Applicant proposes to use water between May 1 and September 30 for the irrigation of 6.85 AC in the NWNE of Sec. 8, T6S, R23E, Carbon County, consisting of 2.2 AC in the NWNWNE, 0.15 AC in the NENWNE, 1.7 AC in the SWNWNE, and 2.8 AC in the SENWNE.

This application for appropriation on Sand Creek has become necessary as the Applicant's Sand Creek Canal Co. ditch shares (Statement of Claim 43D 199996-00) are not always available. When the shares are available, they are used from April 1 to October 15. The Applicant will continue to use the ditch shares when available and utilize this Provisional Permit, if authorized, when shares are not available. If authorized, this water right will have 6.35 AC that overlap with the acreage irrigated under the ditch shares. The overlapped acreage uses 15.88 AF in water.

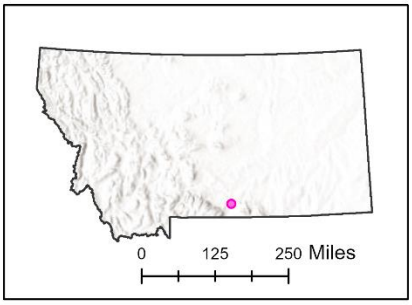
Table 1. Summary of the proposed use.

Source	Flow Rate	Total Acres	Diverted Volume	Purpose	Period of Use	Place of Use	Point of Diversion	Period of Diversion
Sand Creek	1.0 CFS	6.85	17.09 AF	Irrigation	05/01-09/30	Table 2	SWNWNE of Sec. 8, T6S, R23E, Carbon County	05/01-09/30

Table 2. Proposed place of use.

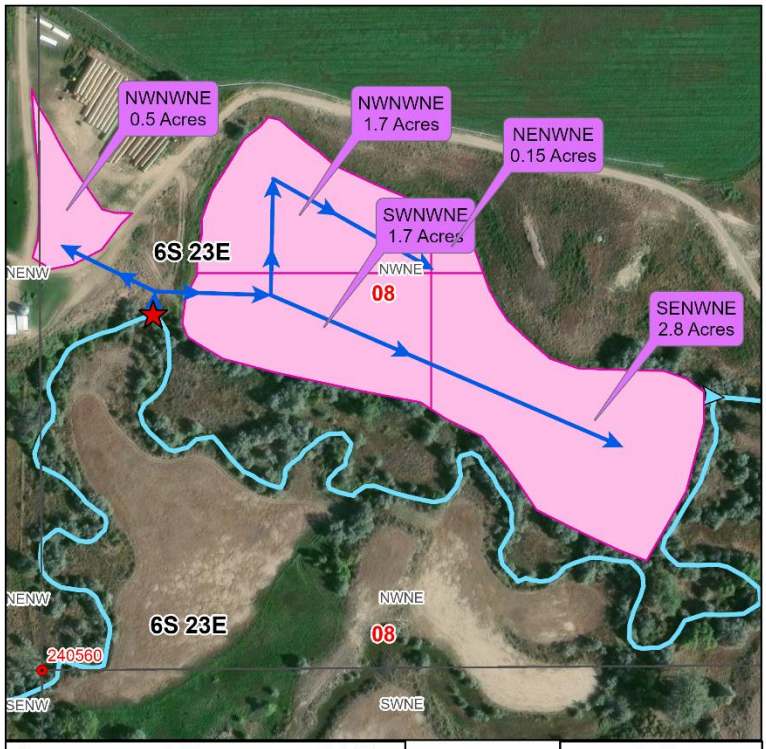
POU	Legal Land Description	Acres
1	NWNWNE Sec. 8, T6S, R23, Carbon County	2.2
2	NENWNE Sec. 8, T6S, R23, Carbon County	0.15
3	SWNWNE Sec. 8, T6S, R23, Carbon County	1.7
4	SENWNE Sec. 8, T6S, R23, Carbon County	2.8

43D 30171861 - R Bar N Ranch, LLC - Proposed



Legend

- Proposed Point of Diversion - Pump Site
- Proposed Pipeline System
- Proposed Place of Use
- Sand Creek
- AOPI
- Water Rights in AOPI



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

State Boundary: US Bureau of Land Management, Geographic Coordinate Database, US Geological Survey 1:24,000 Digital Raster Graphics, Montana State Library
MSDI PLSS:
World Imagery: Vantor
World Imagery: Earthstar Geographics

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Map Created: 3/26/2026
Author: Cassey Strebeck,
Water Resource Specialist

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.

Proposed Point of Diversion: SWNWNE Sec. 8, T6S, R23E, Carbon County.

2.2 Method of Estimation

Method of Measurement Used: 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. This provided more representative measurements since the Applicant's only available method of measurement was the float area method. All measurements were found acceptable by the Department. 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	5/28/2025	DNRC	Velocity Meter	19.39
1	5/28/2025	DNRC	Float Method	21.77
2	06/26/2025	Applicant	Float Method	3.86
3	07/31/2025	Applicant	Float Method	6.02
4	08/19/2025	Applicant	Float Method	5.03
5	09/04/2025	Applicant	Float Method	5.05

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 proposed POD. No additional estimation technique is suitable.

Why this method is considered appropriate: Use of 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), Applicant-provided measurements will be used.

The contributing drainage basin of Sand Creek above the proposed POD consists of 44.3 mi^2. 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 supplement natural flow. 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 [CFS x 1.98 (AF/day/1 CFS) x days per month = AF/month]. All values were rounded to the hundredths place after conversion (Table 4).

Table 4: Measured Monthly Flow Rate and Calculated Volume

Month	Mean Monthly Flow Rate (CFS)	Mean Monthly Volume (AF)
May	21.77	1,336.24
June	3.86	229.28
July	6.02	369.51
August	5.03	308.74
September	5.05	299.97

3.0 Area of Potential Impact Analysis

The Area of Potential Impact (AOPI) for this application is: approximately 2.9 river miles extending from the proposed POD located in the SWNWNE Sec. 8, T6S, R23E, Carbon County, downstream to the confluence of Sand Creek and the Clarks Fork Yellowstone River located in Lot 9 (NENWSE) Sec. 4, T6S, R23E, Carbon County. There are two (2) active water rights on Sand Creek within the AOPI, shown in Table 5.

Table 5: Water Rights in the AOPI

Water Right Number	Water Right Type	Owners	Purposes	Flow Rate (CFS)	Acres	AU	Volume (AF)	Period of Diversion	Period of Use
43D 43402-00	Statement of Claim	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	Statement of Claim	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 2.9 river miles of Sand Creek from the proposed POD to the confluence with the Clarks Fork Yellowstone River. The AOPI adds 0.90mi^2 (45.2mi^2 - 44.3mi^2) 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 drainage basin above the proposed POD on Sand Creek encompasses 44.3mi^2. The first confluence on Sand Creek is with the Clarks Fork Yellowstone River. The Clarks Fork Yellowstone River is a major perennial stream and a substantial hydrologic boundary. This reach encompasses 2.9 river miles of Sand Creek from the proposed POD to the confluence with the Clarks Fork Yellowstone River. This confluence encompasses a drainage basin of 45.2mi^2 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: volume in AF x 325,851 gallons / 365 days / 1,440 minutes per day = GPM.
        iii. The flow rate in GPM was converted to the flow rate in CFS using the following equation: GPM / 448.8 GPM/CFS = 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 60% efficiency for climatic area 1 (3.07 AF/AC from the range: 3.07-3.55 AF/AC; ARM 36.12.115), multiplied by the acres claimed. Thus, the volume for irrigation claim was calculated using the following equation: Acres x 3.07 AF/AC = AF.

Review

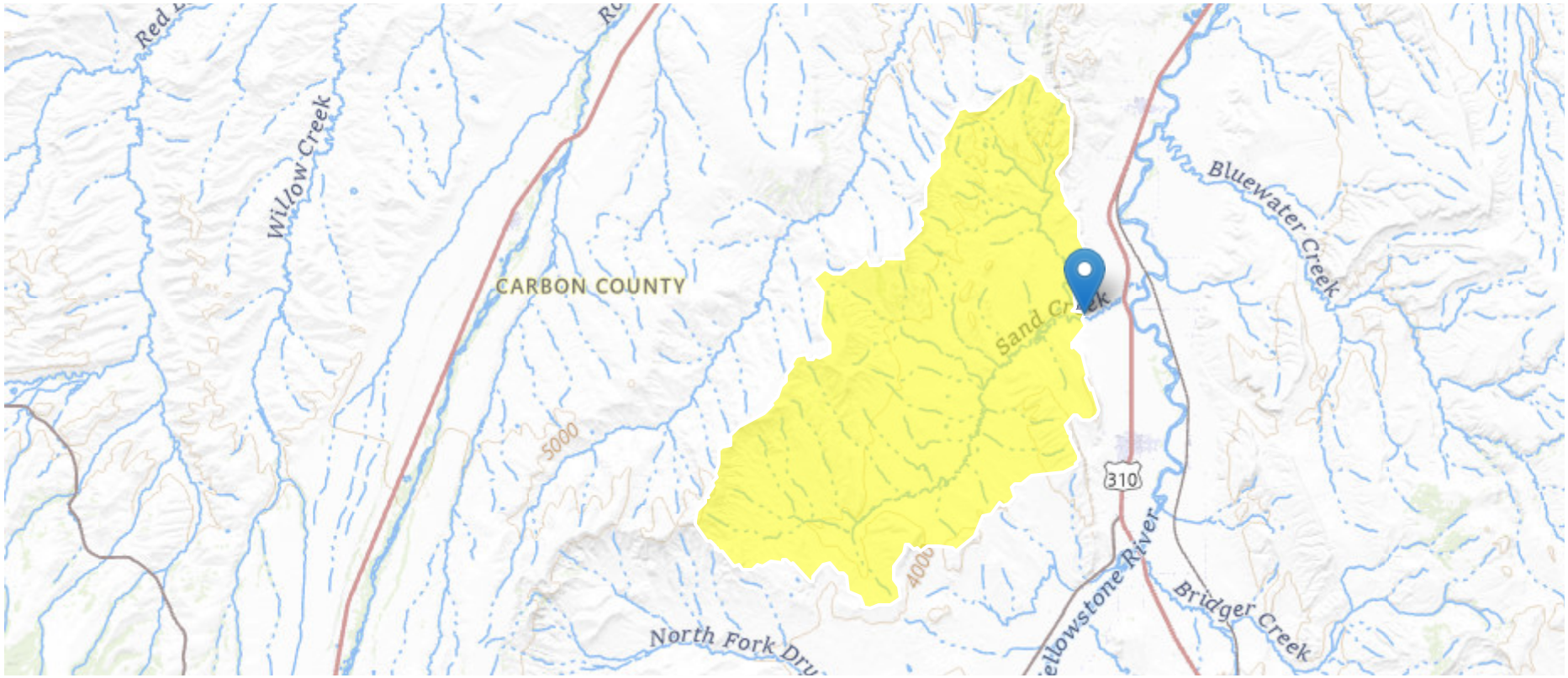
This document has been reviewed by the Department on March 30, 2026.

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, February 2025
DNRC Permit Manual, February 2025

R Bar N - Proposed POD - StreamStats Report

Region ID: MT
Clicked Point (Latitude, Longitude): 45.33169, -108.93383
NHD Stream GNIS Name of Click Point: Sand Creek
Time: 2026-02-09 09:57:02 -0700



StreamStats Update

Starting with version 4.30.0, the StreamStats application uses services that were redeveloped with open-source software components. Users may observe minor variations in computed results when compared to those from previous versions. These differences are expected and do not reflect

errors in the underlying data or analytical methods. Users are advised to consider these potential variations when interpreting or comparing results generated across different versions of StreamStats. Please email streamstats@usgs.gov with any questions or concerns. A full list of changes can be found at **https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release (https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release)** .

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CHANWD_RS	Channel width determined from remotely sensed data sources, including aerial imagery	0	feet
CONTDA	Area that contributes flow to a point on a stream	44.3	square miles
DRNAREA	Area that drains to a point on a stream	44.3	square miles
EL6000	Percent of area above 6000 ft	0	percent
IRRIGAT_MT	Percent of basin that is irrigated based on Montana Final Land Unit (FLU) classification	1	percent
PRECIP	Mean Annual Precipitation	13.811	inches
WACTCH	Width of active channel	0	feet
WBANKFULL	Width of channel at bankfull	0	feet

Monthly Flow Statistics

Monthly Flow Statistics Parameters [UpYellow CentMt Region Season3 MeanDur 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	44.3	square miles	28.1	2620
PRECIP	Mean Annual Precipitation	13.811	inches	16.4	38.9

Monthly Flow Statistics Parameters [UpYellow CentMt Region Season1 MeanDur 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	44.3	square miles	28.1	2620
PRECIP	Mean Annual Precipitation	13.811	inches	16.4	38.9

Monthly Flow Statistics Parameters [UpYellow CentMt Region Season2 MeanDur 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	44.3	square miles	28.1	2620
PRECIP	Mean Annual Precipitation	13.811	inches	16.4	38.9

Monthly Flow Statistics Disclaimers [UpYellow CentMt Region Season3 MeanDur 2015 5019G]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Monthly Flow Statistics Flow Report [UpYellow CentMt Region Season3 MeanDur 2015 5019G]

Statistic	Value	Unit
November Mean Flow	1.89	ft^3/s

Statistic	Value	Unit
December Mean Flow	1.52	ft^3/s
January Mean Flow	1.83	ft^3/s
February Mean Flow	3.19	ft^3/s

Monthly Flow Statistics Disclaimers [UpYellow CentMt Region Season1 MeanDur 2015 5019G]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Monthly Flow Statistics Flow Report [UpYellow CentMt Region Season1 MeanDur 2015 5019G]

Statistic	Value	Unit
March Mean Flow	6.5	ft^3/s
April Mean Flow	7.2	ft^3/s
May Mean Flow	5.96	ft^3/s
June Mean Flow	3.98	ft^3/s

Monthly Flow Statistics Disclaimers [UpYellow CentMt Region Season2 MeanDur 2015 5019G]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Monthly Flow Statistics Flow Report [UpYellow CentMt Region Season2 MeanDur 2015 5019G]

Statistic	Value	Unit
July Mean Flow	1.16	ft^3/s
August Mean Flow	0.819	ft^3/s
September Mean Flow	1.06	ft^3/s

Statistic	Value	Unit
October Mean Flow	1.79	ft^3/s

Monthly Flow Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
November Mean Flow	1.89	ft^3/s
December Mean Flow	1.52	ft^3/s
January Mean Flow	1.83	ft^3/s
February Mean Flow	3.19	ft^3/s
March Mean Flow	6.5	ft^3/s
April Mean Flow	7.2	ft^3/s
May Mean Flow	5.96	ft^3/s
June Mean Flow	3.98	ft^3/s
July Mean Flow	1.16	ft^3/s
August Mean Flow	0.819	ft^3/s
September Mean Flow	1.06	ft^3/s
October Mean Flow	1.79	ft^3/s

Monthly Flow Statistics Citations

McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M.,2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015–5019–G, 19 p. (https://doi.org/10.3133/sir20155019)

Peak-Flow Statistics

Peak-Flow Statistics Parameters [UpYellow CentMount Region BasinC 2015 5019F]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	44.3	square miles	0.39	2040
EL6000	Percent above 6000 ft	0	percent	0	100

Peak-Flow Statistics Parameters [UpYllw CentMount Region Act Channel SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
WACTCH	Width Of Active Channel	0	feet	1	150

Peak-Flow Statistics Parameters [UpYllw CentMount Region Bankfull SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
WBANKFULL	Width Of Bankfull Channel	0	feet	2.5	170

Peak-Flow Statistics Parameters [UpYllw CentMount Region Aerial Photo SIR 2020 5142]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CHANWD_RS	Channel_Width_remotely_sensed	0	feet	2.3	191.9

Peak-Flow Statistics Flow Report [UpYellow CentMount Region BasinC 2015 5019F]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	PIL	PIU	ASEp
66.7-percent AEP flood	62.8	ft^3/s	12.9	305	119

Statistic	Value	Unit	PIL	PIU	ASEp
50-percent AEP flood	98.9	ft^3/s	22.3	438	111
42.9-percent AEP flood	129	ft^3/s	31.5	528	103
20-percent AEP flood	354	ft^3/s	108	1160	82.4
10-percent AEP flood	682	ft^3/s	233	2000	73
4-percent AEP flood	1300	ft^3/s	469	3610	68.4
2-percent AEP flood	1920	ft^3/s	702	5250	67.7
1-percent AEP flood	2630	ft^3/s	947	7310	69
0.5-percent AEP flood	3490	ft^3/s	1220	9990	71.6
0.2-percent AEP flood	4830	ft^3/s	1590	14600	77

Peak-Flow Statistics Disclaimers [UpYllw CentMount Region Act Channel SIR 2020 5142]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Peak-Flow Statistics Flow Report [UpYllw CentMount Region Act Channel SIR 2020 5142]

Statistic	Value	Unit
Active chan width 66.7 percent AEP flood	0	ft^3/s
Active Channel Width 50-percent AEP flood	0	ft^3/s
Active chan width 42.9 percent AEP flood	0	ft^3/s
Active Channel Width 20-percent AEP flood	0	ft^3/s
Active Channel Width 10-percent AEP flood	0	ft^3/s
Active Channel Width 4-percent AEP flood	0	ft^3/s
Active Channel Width 2-percent AEP flood	0	ft^3/s
Active Channel Width 1-percent AEP flood	0	ft^3/s

Statistic	Value	Unit
Active Channel Width 0.5-percent AEP flood	0	ft^3/s
Active Channel Width 0.2-percent AEP flood	0	ft^3/s

Peak-Flow Statistics Disclaimers [UpYllw CentMount Region Bankfull SIR 2020 5142]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Peak-Flow Statistics Flow Report [UpYllw CentMount Region Bankfull SIR 2020 5142]

Statistic	Value	Unit
Bankfull width 66.7 percent AEP flood	0	ft^3/s
Bankfull Width 50-percent AEP flood	0	ft^3/s
Bankfull width 42.9 percent AEP flood	0	ft^3/s
Bankfull Width 20-percent AEP flood	0	ft^3/s
Bankfull Width 10-percent AEP flood	0	ft^3/s
Bankfull Width 4-percent AEP flood	0	ft^3/s
Bankfull Width 2-percent AEP flood	0	ft^3/s
Bankfull Width 1-percent AEP flood	0	ft^3/s
Bankfull Width 0.5-percent AEP flood	0	ft^3/s
Bankfull Width 0.2-percent AEP flood	0	ft^3/s

Peak-Flow Statistics Disclaimers [UpYllw CentMount Region Aerial Photo SIR 2020 5142]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Peak-Flow Statistics Flow Report [UpYllw CentMount Region Aerial Photo SIR 2020 5142]

Statistic	Value	Unit
Rem sens chan width 66.7 percent AEP fld	0	ft^3/s
Rem_sens_chan_width_50_percent_AEP_flood	0	ft^3/s
Rem sens chan width 42.9 percent AEP fld	0	ft^3/s
Rem_sens_chan_width_20_percent_AEP_flood	0	ft^3/s
Rem_sens_chan_width_10_percent_AEP_flood	0	ft^3/s
Rem_sens_chan_width_4_percent_AEP_flood	0	ft^3/s
Rem_sens_chan_width_2_percent_AEP_flood	0	ft^3/s
Rem_sens_chan_width_1_percent_AEP_flood	0	ft^3/s
Rem_sens_chan_width_0_5_pct_AEP_flood	0	ft^3/s
Rem_sens_chan_width_0_2_pct_AEP_flood	0	ft^3/s

Peak-Flow Statistics Flow Report [Area-Averaged]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	PIL	PIU	ASEp
66.7-percent AEP flood	62.8	ft^3/s	12.9	305	119
50-percent AEP flood	98.9	ft^3/s	22.3	438	111
42.9-percent AEP flood	129	ft^3/s	31.5	528	103
20-percent AEP flood	354	ft^3/s	108	1160	82.4
10-percent AEP flood	682	ft^3/s	233	2000	73
4-percent AEP flood	1300	ft^3/s	469	3610	68.4
2-percent AEP flood	1920	ft^3/s	702	5250	67.7

Statistic	Value	Unit	PIL	PIU	ASEp
1-percent AEP flood	2630	ft^3/s	947	7310	69
0.5-percent AEP flood	3490	ft^3/s	1220	9990	71.6
0.2-percent AEP flood	4830	ft^3/s	1590	14600	77
Active chan width 66.7 percent AEP flood	0	ft^3/s			
Active Channel Width 50-percent AEP flood	0	ft^3/s			
Active chan width 42.9 percent AEP flood	0	ft^3/s			
Active Channel Width 20-percent AEP flood	0	ft^3/s			
Active Channel Width 10-percent AEP flood	0	ft^3/s			
Active Channel Width 4-percent AEP flood	0	ft^3/s			
Active Channel Width 2-percent AEP flood	0	ft^3/s			
Active Channel Width 1-percent AEP flood	0	ft^3/s			
Active Channel Width 0.5-percent AEP flood	0	ft^3/s			
Active Channel Width 0.2-percent AEP flood	0	ft^3/s			
Bankfull width 66.7 percent AEP flood	0	ft^3/s			
Bankfull Width 50-percent AEP flood	0	ft^3/s			
Bankfull width 42.9 percent AEP flood	0	ft^3/s			
Bankfull Width 20-percent AEP flood	0	ft^3/s			
Bankfull Width 10-percent AEP flood	0	ft^3/s			
Bankfull Width 4-percent AEP flood	0	ft^3/s			
Bankfull Width 2-percent AEP flood	0	ft^3/s			
Bankfull Width 1-percent AEP flood	0	ft^3/s			
Bankfull Width 0.5-percent AEP flood	0	ft^3/s			

Statistic	Value	Unit	PIL	PIU	ASEp
Bankfull Width 0.2-percent AEP flood	0	ft^3/s			
Rem sens chan width 66.7 percent AEP fld	0	ft^3/s			
Rem_sens_chan_width_50_percent_AEP_flood	0	ft^3/s			
Rem sens chan width 42.9 percent AEP fld	0	ft^3/s			
Rem_sens_chan_width_20_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_10_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_4_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_2_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_1_percent_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_0_5_pct_AEP_flood	0	ft^3/s			
Rem_sens_chan_width_0_2_pct_AEP_flood	0	ft^3/s			

Peak-Flow Statistics Citations

Sando, Roy, Sando, S.K., McCarthy, P.M., and Dutton, D.M.,2016, Methods for estimating peak-flow frequencies at ungaged sites in Montana based on data through water year 2011: U.S. Geological Survey Scientific Investigations Report 2015–5019–F, 30 p. (https://doi.org/10.3133/sir20155019)

Chase, K.J., Sando, R., Armstrong, D.W., and McCarthy, P., 2021, Regional regression equations based on channel-width characteristics to estimate peak-flow frequencies at ungaged sites in Montana using peak-flow frequency data through water year 2011 (ver. 1.1, September 2021): U.S. Geological Survey Scientific Investigations Report 2020–5142, 49 p. (https://doi.org/10.3133/sir20205142)

Low-Flow Statistics

Low-Flow Statistics Parameters [UpYellow CentMt Region LowFlow GLS 2015 5019G]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CONTDA	Contributing Drainage Area	44.3	square miles	28.1	2620
PRECIP	Mean Annual Precipitation	13.811	inches	16.4	38.9

Low-Flow Statistics Disclaimers [UpYellow CentMt Region LowFlow GLS 2015 5019G]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [UpYellow CentMt Region LowFlow GLS 2015 5019G]

Statistic	Value	Unit
7 Day 10 Year Low Flow	0.0538	ft^3/s

Low-Flow Statistics Citations

McCarthy, P.M., Sando, Roy, Sando, S.K., and Dutton, D.M.,2016, Methods for estimating streamflow characteristics at ungaged sites in western Montana based on data through water year 2009: U.S. Geological Survey Scientific Investigations Report 2015–5019–G, 19 p. (https://doi.org/10.3133/sir20155019)

Maximum Probable Flood Statistics

Maximum Probable Flood Statistics Parameters [36.0 Percent (15.9 square miles) Crippen Bue Region 11]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	44.3	square miles	0.1	10000

Maximum Probable Flood Statistics Parameters [64.0 Percent (28.4 square miles) Crippen Bue Region 13]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	44.3	square miles	0.1	10000

Maximum Probable Flood Statistics Flow Report [36.0 Percent (15.9 square miles) Crippen Bue Region 11]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	48100	ft^3/s

Maximum Probable Flood Statistics Flow Report [64.0 Percent (28.4 square miles) Crippen Bue Region 13]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	66000	ft^3/s

Maximum Probable Flood Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	59600	ft^3/s

Maximum Probable Flood Statistics Citations

Crippen, J.R. and Bue, Conrad D.1977, Maximum Floodflows in the Conterminous United States, Geological Survey Water-Supply Paper 1887, 52p. (https://pubs.usgs.gov/wsp/1887/report.pdf)

NHD Features of Delineated Basin

NHD Streams Intersecting Basin Delineation Boundary

This functionality attempts to find the stream name at the delineation point. The name of the nearest intersecting National Hydrography Dataset (NHD) stream is selected by default to appear in the report above. NHD streams do not correspond to the StreamStats stream grid and may not be accurate. If you would like a different stream to appear in the above section, please make a selection below.

GNIS ID	GNIS Name	Distance from Clicked Point (ft)	Feature Type	Selected Stream Name
00776174	Sand Creek	1.36	Intermittent	(●) Sand Creek
00776192	Sand Creek Canal	1,740.63	Canal Ditch	( ) Sand Creek Canal
00776193	Sand Creek Extension Ditch	3,125.96	Canal Ditch	( ) Sand Creek Extension Ditch

Watershed Boundary Dataset (WBD) HUC 8 Intersecting Basin Delineation Boundary

This functionality attempts to find the intersecting HUC 8 of the delineated watershed. HUC boundaries do not correspond to the StreamStats data and may not be accurate.

HUC 8	Name
10070006	Clarks Fork Yellowstone

NHD Hydrologic Features Citations

U.S. Geological Survey, 2022, USGS TNM - National Hydrography Dataset, accessed July 21, 2022 at URL https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer/6.

(https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer/6) U.S. Geological Survey, 2022, USGS TNM - National Hydrography Dataset, accessed July 21, 2022 at URL https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4. (https://hydro.nationalmap.gov/arcgis/rest/services/wbd/MapServer/4)

Channel-width Methods Weighting

No method weighting results returned.

Application Version: 4.31.0
SSHydro Services Version: 1.1.0
SSDelineate Services Version: 1.0.1
NSS Services Version: 2.2.1
GageStats Services Version: 1.2.1
Pourpoint Services Version: 1.2.0
Batch Processor Version: 1.6.1

Preapplication Materials

- Preapplication Meeting Request
- Preapplication Meeting Form
- All attachments
- All correspondence prior to application receipt

Preapplication Materials

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

February 17, 2026

R Bar N Ranch, L.L.C.
89 Sand Creek Rd
Bridger, MT 59014

Subject: Complete Preapplication Meeting Form (Form 600P-B) for Beneficial Water Use Permit Application No. 43D 30171861

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 February 9, 2026, and the Department deemed the submitted Preapplication Meeting Form to be successfully completed per ARM 36.12.1302 on February 17, 2026.

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 February 17, 2026.

Please let me know if you have any questions.

Sincerely,

C. Strebeck

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

PREAPPLICATION MEETING FORM: PART B
PERMIT

§ 85-2-302, MCA

Form No. 600P-B *(Revised 02/2025)*

For Department Use Only

Application # ~~43B~~ 30171861 Basin 43D
Form Received CS²
Fee Rec'd $ 500.00 Check # 008822
Deposit Receipt # BLS26182277
Payor R Bar N Ranch LLC
Form Returned
Refund $ Date

RECEIVED
FEB 09 2026
DNRC-WRD-BILLINGS

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,

   a. Date form was returned ("Form Returned" date found in "For Department Use Only" box on the previously submitted Form 600P-B): 10/27/2025

   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,

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

3. ☐ **Y** ■ **N** Are you submitting amended responses to any questions from Form 600P-A?

If yes,

a. ☐ **S** Submit "Amended Responses" document and record in the table below each question number with an amended response. The amended response will entirely replace the previous response; the amended response cannot build off the previous response.

Question No.	Question No.	Question No.	Question No.

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))."

R-N Ranch LLC — 2-5-26

Applicant Signature — Date

Nancy E Clair R Bar N Ranch LLC — 2-5-26

Applicant Signature — 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))."

C. Stiebeck — 2-17-26

Department Signature — Date

Department Signature — Date

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
2	Map meeting all requirements
5	Volume (based on total acres)
9	Total acres per legal description
11	Volume contributed by supplemental right (based on acres)
20	Volume needed at POD

FOLLOW-UP RESPONSES

MT DNRC FORM 600P-B

BENEFICIAL WATER USE PERMIT APPLICATION No. 43D 30171861

R BAR N RANCH, LLC

RICK & NANCY CLINE

Question 2: **S** – Aerial "Section Corners" map, and proposed project map.

Question 3: Revised flow rate – applicant requests 1.0 CFS (448.8 GPM).

NOTE: Question 3 referenced in letter of 10/27/2025 under "Not a deficiency, but a point of concern for the Department: Pump Curve:"

Question 5: Volume = 17.09 AF (Based on reduced acreage of 6.85 acres and an average of 2.5 AF per acre for sprinkler irrigation in climatic area II.)

Question 9: **S** – 6.85 total acres proposed POU per "POU Acreage Map," all contained within NW1/4NE1/4, Sec. 8, T6S, R23E, Carbon County, MT.

NOTE: The applicant has reduced the number of irrigated acres applied for from 16.73 acres to a total of 6.85 acres per the attached "POU Acreage Map" – a reduction of 9.88 acres. (A previously submitted (Agri Industries) map indicted a POU acreage totaling 15.6 acres.)

Question 11: Approximately 15.88 AF (Only 6.35 acres under overlapping water right 43D 199996-00 have access to Sand Creek Canal shares water, ***only*** to be used if water permitted under this application is unavailable.)

Question 20: 17.09 AF will be diverted from a single point of diversion (POD 1).

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

October 27, 2025

R Bar N Ranch, L.L.C.
89 Sand Creek Rd
Bridger, MT 59014

Subject: Incomplete Preapplication Meeting Form (Form 600P-B) for Beneficial Water Use Permit Application No. 43D 30171861

Dear Applicant,

The Billings Regional Office of the Department of Natural Resources and Conservation (DNRC or Department) received your Preapplication Meeting Form and preapplication fee on October 20, 2025. The Department deemed the submitted Preapplication Meeting Form to be **incomplete** because it lacks the following information:

- ❑ Question 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.
    - The map provided with Form 600P-B does not reflect the conversations we had through emails and at the preapplication meeting. Internal mapping indicates that the number of acres shown on the map provided with form 600P-B are inconsistent with the acreage numbers labeled on the map. Please provide a map that shows an accurate outline of the proposed place of use. If the map has acreage numbers labeled, please make sure the acreage numbers are accurate.

- ❑ Question 5:
  - Provide the Volume (acres-feet; AF) requested.
  - This was a follow-up due to the uncertainty of the acres. If the map we created through email correspondence was correct, then you also have the number of acres needed to calculate the volume.
    - Per ARM 36.12.115, volume is determined by irrigation method, acreage, and the climatic area. Your place of use is in climatic areas I and II, but predominantly in climatic area II. As such, we will be using the greater consumptive use for sprinkler irrigation, in climatic area II, with the following AF per acre range: 2.30 – 2.69 AF per acre.

- ❑ Question 9:
  - Provide the legal description for the proposed place of use, including acres.
    - You may use the map to help answer this question. The map and the answer to this question should be the same.

- ❑ Question 11:
  - Provide the Volume (AF) from the supplemental/overlapping water right 43D 199996-00 that will be used with this application.
    - How much water is proposed to be used from 43D 199996-00, if any, on the same acres?

- ❑ Question 20:
  - Provide the Volume (AF) that will be diverted at each point of diversion (POD).
    - This will be the result of the number of acres multiplied by the proposed AF per acre volume and should match the answer to Question 5.

<u>Not a deficiency, but a point of concern for the Department:</u>

- ❑ Pump Curve:
  - The pump curve you provided from Cornell states that the flow rate capacity of the pump is 425 GPM. The map provided with it states that the design requires 1100 GPM. You requested a flow rate of 2.45 CFS (1,100 GPM) on Form 600P-A.
    - Before submitting Form 600P-B, please ensure your pump and infrastructure have the capacity to provide the requested flow rate. If you need to amend your requested flow rate, please ensure you include an amended response on Form 600P-B (Question 3).

The 180-day deadline for the original preapplication meeting is March 21, 2026. You have 145 remaining days to complete the Preapplication Meeting Form successfully. If you do not submit the successfully completed Preapplication Meeting Form to the Billings Regional Office by March 21, 2026, you will need to request a new preapplication meeting.

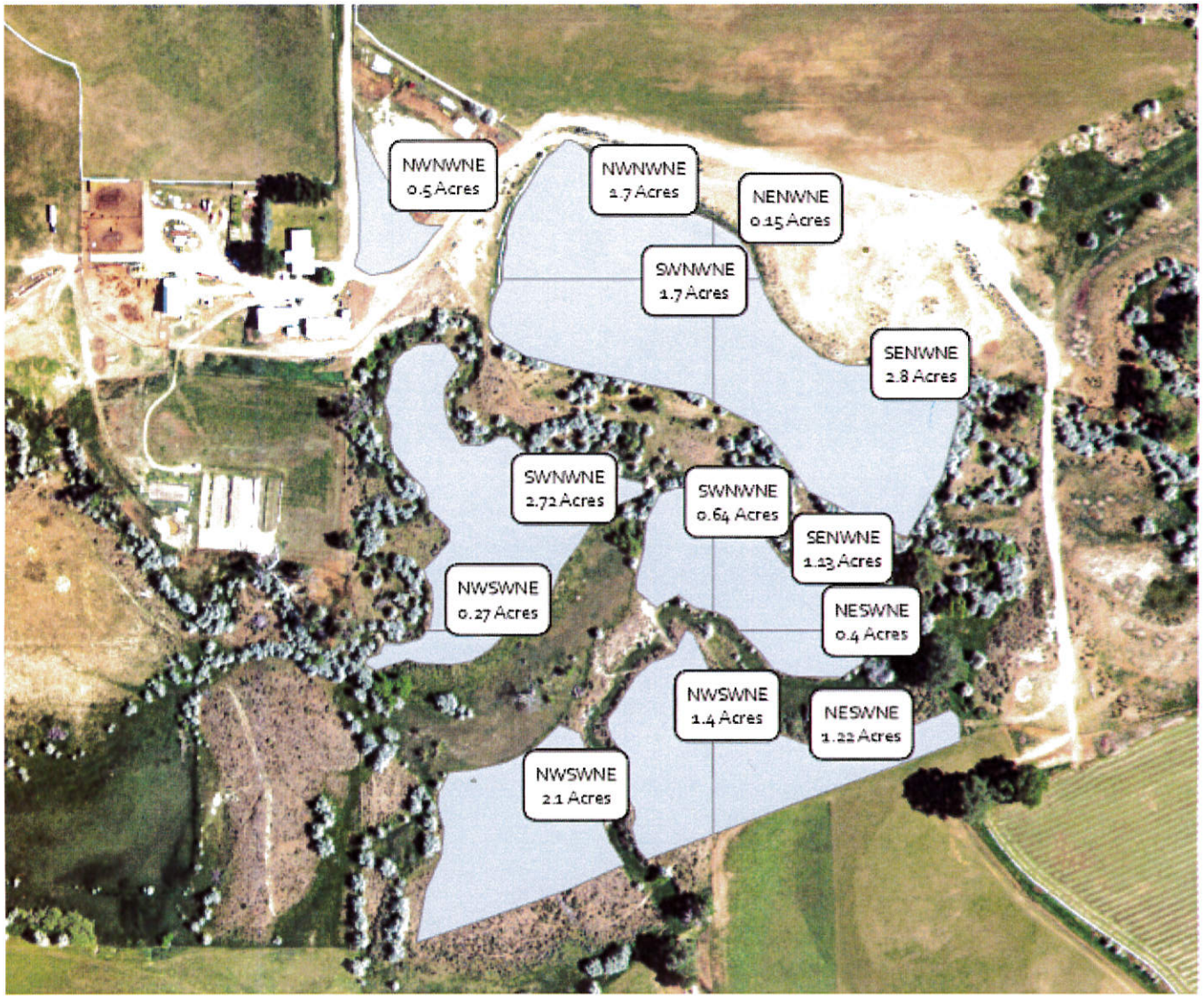
We have voided the $500 check sent with the Preapplication Meeting Form received on October 20, 2025, and have returned the voided check with this letter. When you submit the follow-up information, you will need to resubmit your $500 payment.

Please let me know if you have any questions.

Sincerely,

C Strebeck

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


NWNWNE
0.5 Acres
NWNNWNE
1.7 Acres
NENWNE
0.15 Acres
SWNWNE
1.7 Acres
SENWNE
2.8 Acres
SWNWNE
2.72 Acres
SWNWNE
0.64 Acres
SENWNE
1.13 Acres
NWSWNE
0.27 Acres
NESWNE
0.4 Acres
NWSWNE
1.4 Acres
NESWNE
1.22 Acres
NWSWNE
2.1 Acres

PREAPPLICATION MEETING FORM: PART B
PERMIT

§ 85-2-302, MCA

Form No. 600P-B *(Revised 02/2025)*

For Department Use Only

Application # _____ Basin _____

Form Received HW

Fee Rec'd $ 500.00 Check # 008762

Deposit Receipt # BLS260

Payor _____

Form Returned _____

Refund $ _____ Date _____

RECEIVED
OCT 20 2025
DNRC-WRD-BILLINGS

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,

   a. Date form was returned ("Form Returned" date found in "For Department Use Only" box on the previously submitted Form 600P-B): _____

   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,

   a. ☑ **S** Submit "Follow-up Responses" document for all questions requiring follow-up.

3. ☐ **Y** ☑ **N** Are you submitting amended responses to any questions from Form 600P-A?

If yes,

a. ☐ **S** Submit "Amended Responses" document and record in the table below each question number with an amended response. The amended response will entirely replace the previous response; the amended response cannot build off the previous response.

Question No.	Question No.	Question No.	Question No.

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))."

Applicant Signature — Date: 10-16-25

Applicant Signature — Date: 10-16-25

"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

Pump Data Sheet - Cornell

Company: Agri Industries
Name:
Date: 10/10/2025

Pump:

Size: 3RB

Type: Clear Liquids
Synch speed: 1800 rpm

Speed: 1775 rpm
Dia: 11.5 in

Curve: 3RB18

Impeller:

Specific Speeds:

Ns: 918
Nss: ---

Dimensions:

Suction: 5 in
Discharge: 3 in

Pump Limits:

Temperature: 250 °F
Pressure: 175 psi g
Sphere size: 0.5 in

Power: ---
Eye area: ---

Search Criteria:

Flow: 425 US gpm

Head: 132 ft

Fluid:

Water
Density: 62.32 lb/ft³
Viscosity: 0.9946 cP

Temperature: 68 °F
Vapor pressure: 0.3391 psi a
Atm pressure: 14.7 psi a

NPSHa: ---

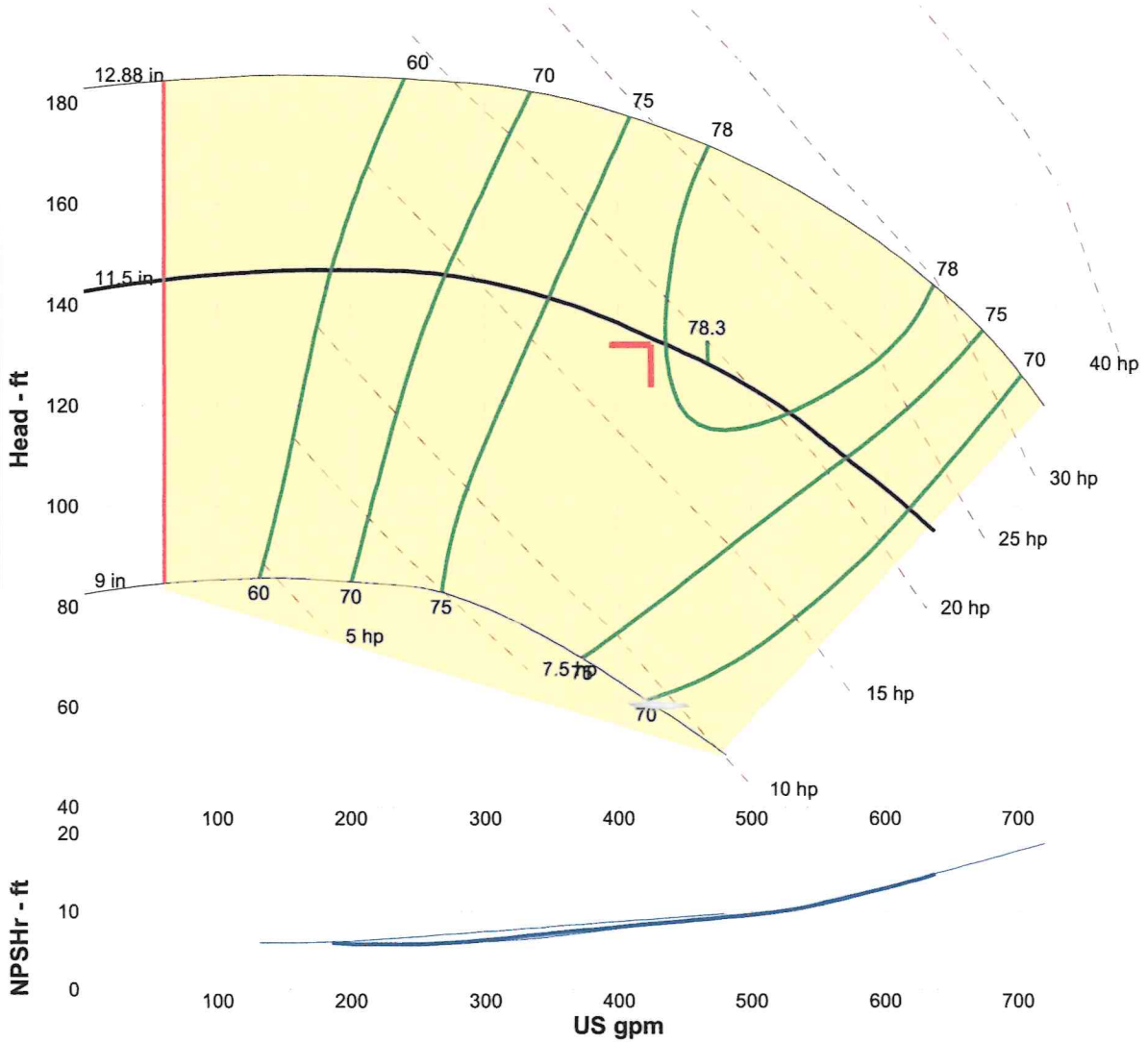
Motor:

Standard: NEMA
Enclosure: TEFC

Size: 25 hp
Speed: 1800
Frame: 284T

Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	425 US gpm
Head:	133 ft
Eff:	78%
Power:	18.4 hp
NPSHr:	8.45 ft
---- Design Curve ----	
Shutoff head:	143 ft
Shutoff dP:	61.8 psi
Min flow:	60 US gpm
BEP:	78% @ 468 US gpm
NOL power:	22.8 hp @ 638 US gpm
-- Max Curve --	
Max power:	32.9 hp @ 720 US gpm



Performance Evaluation:

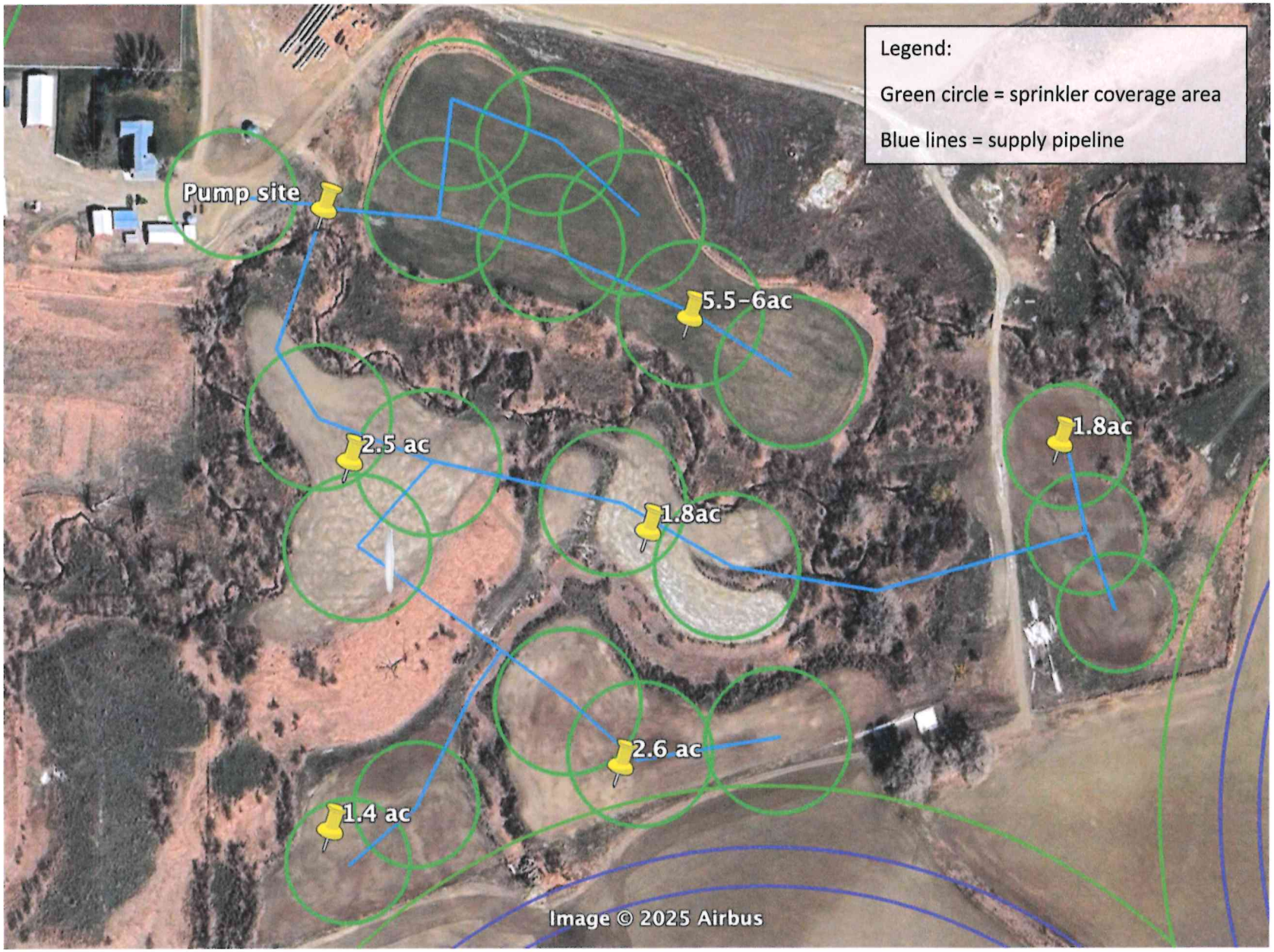
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
510	1775	121	78	20	9.92
425	1775	133	78	18.4	8.45
340	1775	142	75	16.3	7.1
255	1775	146	68	13.7	6
170	1775	147	58	11	6

AGRI INDUSTRIES

VALLEY
The Leader in Precision Irrigation.

R Bar N Ranch Big Gun Irrigation Design approx. 16 irrigated acres

Design Flow rate = 1100 gpm



Excel File Placeholder

The "R Bar N – Float Measurement Calculator" spreadsheet is available outside of the application file.

*For **pending applications:***

- *Excel files associated with aquifer tests are located in the "Aquifer Tests" link of the application page.*
- *Other excel files are available upon request from the regional office.*

Please contact the Billings Regional Office for more information.
406-247-4415

Schweigert, Christine

From: Landers, Jack
Sent: Tuesday, September 23, 2025 1:57 PM
To: Schweigert, Christine
Cc: Brickl, Melissa
Subject: RE: Please check for acceptability

Hi Chris,

I took a look at the float area measurements you sent. They both look acceptable to me. As you noted, the R Bar N measurements didn't meet the recommended reach length of 3x the channel width. This doesn't seem to be an issue though since the reach length is relatively close to the cutoff and all measurements are consistent on each date. Also, the measurements on 8/19 and 9/4 have similar channel conditions and produced very similar discharge measurements, increasing confidence that the measurement methods were repeatable. I also did not see any issues with the Griswold measurements.

Thanks!

Jack

Jack Landers| Groundwater Hydrologist
Water Sciences Bureau, Groundwater Studies, Water Resources Division
Montana Department of Natural Resources and Conservation
1424 9th Ave, Helena, MT 59601
DESK: 406-444-7020 **EMAIL:** jack.landers@mt.gov
Website | **Facebook** | **X (Twitter)** | **Instagram**
How did we do? Let us know here: Feedback Survey

From: Brickl, Melissa <Melissa.Brickl@mt.gov>
Sent: Friday, September 19, 2025 2:59 PM
To: Landers, Jack <Jack.Landers@mt.gov>
Subject: FW: Please check for acceptability

Jack,

Can you review this? Came in on Friday, we have till next Friday. Let me know if you can…if you can't I will delegate to someone else.

Melissa Brickl| Groundwater Section Supervisor
Water Sciences Bureau, Groundwater Studies, Water Resources Division
Montana Department of Natural Resources and Conservation
1424 9th Ave, Helena, MT 59601
MOBILE: 406-437-4025 **EMAIL:** melissa.brickl@mt.gov
Website | **Facebook | X (Twitter)** | **Instagram**
How did we do? Let us know here: Feedback Survey

From: Schweigert, Christine <CSchweigert@mt.gov>
Sent: Friday, September 19, 2025 2:40 PM
To: Brickl, Melissa <Melissa.Brickl@mt.gov>
Subject: Please check for acceptability

Hi Melissa,

Can you please have someone check these for acceptability? The only question I had was whether we would accept the 16 ft. float distance on the R Bar N measurements since the float distance is less than 3 times the channel width.

If possible, could you have these reviewed within a week?

Thanks,

Chris

Christine Schweigert| Hydrologist
Billings Regional Office / Water Resources Division
Montana Department of Natural Resources and Conservation
1371 Rimtop Drive, Billings, MT 59105
PHONE: 406-247-4419 **EMAIL:** CSchweigert@mt.gov
Website | **Facebook | X (Twitter)** | **Instagram**
How did we do? Let us know here: Feedback Survey
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PREAPPLICATION MEETING FORM: PART A

PERMIT

§ 85-2-302, MCA

Form No. 600P-A *(Revised 03/2025)*

For Department Use Only

Application # 30171861 Basin # 43D

Meeting Date 9/22/2025 Time 12:30p

Variance Request Deadline _____

Completed Form Deadline 3/21/2026

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 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 R Bar N Ranch LLC (285046)
Mailing Address 89 Sand Creek Rd City Bridger State MT Zip 59014
Phone Numbers: Home 406-560-3018 Work _____ Cell _____
Email Address rbarnranch2@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
Rick Cline	Applicant		
Chris Schweigert	DNRC		
Veronica Corbett	DNRC		
Cassey Strebeck	DNRC		

Table of Contents

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?	■ Y ☐ N	☐ 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.	☐ S	■ 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.	☐ Y ■ N	☐ F
4. Is the proposed use temporary?	☐ Y ■ N	☐ F
a. If yes, when will the appropriation cease? _____	☐ A	☐ 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).	☐ A	☒ 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	2.45	☐	☑	
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	
		Total	2.45	☐	☐	

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.	☒ Y ☐ N	☐ 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)	Sprinker
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).	☐ A	☐ F

POD #	¼	¼	¼	Sec	Twp	Rge	County	Lot	Block	Tract	Subdivision	Gov Lot	SW or GW	Source Name	Means
1	SW	NW	NE	8	6S	23E	Carbon						SW	Sand Creek	Pump

8. What are the geocodes of the place of use?	☐ A	☐ F

10-0449-08-2-01-01-0000	

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.	☐ A	☑ F

Acres	Gov't Lot	Block	¼	¼	¼	Sec	Twp	Rge	County
			W2	E2	NE	8	6S	23E	Carbon
				W2	NE	8	6S	23E	Carbon
	Total								

10. Will other water rights supplement or overlap the place of use to contribute to the purpose(s)?	☑ Y ☐ N	☐ 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 199996) - not reliable or always available; will continue to use ditch shares when available, use permit when not	☐ A	☐ 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.	☐ A	■ 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 199996-00	04/01-10/15	04/01-10/15	225	☐	✔	
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	

12. Will this application supplement contract water from a Federal Project, ditch company, or other source?	■ Y ☐ N	☐ F
a. If yes, explain. Sand Creek Canal Ditch Shares - (43D 199996) - not reliable or always available; will continue to use ditch shares when available, use permit when not	☐ A	☐ 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.	☐ Y ■ N	☐ F
a. Is this application to enlarge an existing reservoir? If yes, list the water right numbers for the existing reservoir.	☐ Y ☐ N	☐ F
b. Is the place of storage located on-stream?	☐ Y ☐ N	☐ 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: *Surface Acres x Maximum Depth (FT) x 0.5 = Capacity (AF)*	☐ A	☐ F

d. What is the surface area of the place of storage? _____ _____	☐ A	☐ F
14. Will your system be designed to discharge water from the project?	☐ Y ■ N	☐ 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. _____ _____ _____	☐ A	☐ 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.	☐ Y ■ N	☐ 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.	☐ Y ■ N	☐ 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.	☐ Y ■ N	☐ 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.	☐ Y ■ N	☐ 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.	■ Y ☐ N	☐ 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.	☐ A	▣ F

POD #	**Flow Rate**			**Volume**	**Period Start**	**Period End**
	Flow Rate	*GPM*	*CFS*	*AF*	*MM/DD*	*MM/DD*
1	2.45	☐	☑		05/01	9/30
		☐	☐			
		☐	☐			
		☐	☐			
		☐	☐			

21. Is the source type of the diversion perennial or intermittent, ephemeral, lake, or other? Intermittent (Perennial during period of diversion)	☐ A	☐ F

Perennial or intermittent	Answer questions 22 to 25	**Ephemeral**	Answer question 26	**Lake**	Answer question 27	**Other**	Answer questions 28 to 29

Surface Water Analysis: Perennial or Intermittent

▣ **Applicable** ☐ **Not Applicable**

22. Are stream gage data available?	☐ Y ▣ N	☐ 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?	☐ Y ☐ N	☐ F
i. If no, is only one stream gage located near the most upstream POD?	☐ Y ☐ N	☐ F
1. If yes, is the stream gage located upstream or downstream? _____		☐ F
b. List the gage name(s). Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		☐ 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: _____		☐ 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.	☐ Y ☐ N	☐ F
i. If yes, explain. _____ _____ _____	☐ A	☐ F
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		☐ F
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		☐ F

g. Is each available stream gage operated and maintained by USGS or DNRC?	☐ Y ☐ N	☐ 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: _____		☐ 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._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ 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._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ F
4. Were requirements established and followed for maintaining a permanent gage datum and meeting specified accuracy limits?		
a. Gage 1._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ 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?	☐ Y ☐ N	☐ F
i. If yes, record how many meet the standard, then skip to question 54 because this section is complete. _____		☐ 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?	☐ Y ■ N	☐ 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.	☐ S	☐ F
ii. Who collected the measurements? _____	☐ A	☐ F
iii. With what method were the data collected? _____ _____	☐ A	☐ F
iv. What is the period of record? _____		☐ F
v. What is the frequency of measurement? _____		☐ F
vi. Are there gaps in the data?	☐ Y ☐ N	☐ F

1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____ _____	☐ A	☐ F
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
1. If yes, explain. _____ _____ _____	☐ A	☐ 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?	☐ Y ☐ N	☐ 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?	☐ Y ■ N	☐ F
a. If yes,		
i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____ _____	☐ A	☐ F
ii. Describe the estimation technique. _____ _____ _____ _____ _____ _____	☐ A	☐ 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?	☐ Y ☐ N	☐ F
1. If yes,		
a. With what method will the data be collected? _____ _____	☐ A	☐ F
b. What will be the interval of measurement? _____		☐ F
c. Describe the proposed estimation technique. _____ _____ _____ _____ _____	☐ A	☐ 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.	☐ Y ☐ N	☐ 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. Sand Creek only flows due to Sand Creek Canal overflow - does not follow a natural hydrograph _____	☐ A	☐ 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)?	■ Y ☐ N	☐ 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?	☐ Y ☐ N	☐ F
a. If yes, with what method will the data be collected? _____ _____	☐ A	☐ 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.	☐ Y ☐ N	☐ F

Surface Water Analysis: Ephemeral

☐ **Applicable** ▬ **Not Applicable**

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

iii. What is the drainage area upstream of the point of diversion and how was this figure calculated? _____ _____ _____	☐ A	☐ F

Surface Water Analysis: Lakes

☐ **Applicable** ☒ **Not Applicable**

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

Surface Water Analysis: Other

☐ **Applicable** ☒ **Not Applicable**

28. Explain why the source type is “other”. _____ _____	☐ A	☐ F
29. Have you measured the source?	☐ Y ☐ N	☐ F
a. If yes, answer the following questions,		
i. With what method was the measurement data collected? _____ _____	☐ A	☐ F

ii. What is the measurement interval? _____		☐ 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)?	☐ Y ☐ N	☐ 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.	☐ Y ☐ N	☐ F
b. If no,		
i. When do you plan to measure? _____		☐ F
ii. What data collection method will be used? _____ _____ _____	☐ A	☐ 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.	☐ Y ☐ N	☐ 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? _____	☐ A	☐ F

Well/Pumping Pit	Answer questions 31 to 35	**Developed Spring**	Answer question 36	**Pond**	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.	☐ Y ☐ N	☐ F
a. If yes, explain. The Department will let you know if the request is reasonable and identify additional data needs. _____ _____ _____ _____ _____	☐ A	☐ 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)).	☐ S	☐ 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)).	☐ S	☐ 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.	☐ Y ☐ N	☐ F
a. If yes, submit Form 653, Form 600/606-ATA, and Form 633 together on or before the Variance Request Deadline.	☐ S	☐ 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?	☐ Y ☐ N	☐ 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.	☐ S	☐ F
ii. When will all proposed wells/pumping pits be constructed? _____		☐ F
iii. Is the requested volume for each proposed well/pumping pit known?	☐ Y ☐ N	☐ F
1. If yes, list the flow rate and volume requested for each proposed well/pumping pit. Label with POD ID. _____ _____ _____	☐ A	☐ F

2. If no, what is the total requested volume (AF) and the number of proposed PODs? _____		☐ F

Groundwater Analysis for Permits: Developed Spring

☐ Applicable ☐ Not Applicable

36. Have you measured the source?	☐ Y ☐ N	☐ F
a. If yes, submit the measurements and answer the following questions,	☐ S	☐ F
i. Do you have flow rate (GPM or CFS) and volume measurements?	☐ Y ☐ N	☐ F
ii. With what method were measurements collected? _____ _____	☐ A	☐ F
iii. What is the interval of measurements? _____		☐ F
iv. Is the interval of measurements sufficient to comply with ARM 36.12.1703(1)?	☐ Y ☐ N	☐ 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? _____		☐ F
ii. With what method and at what interval will measurements be collected? _____ _____	☐ A	☐ 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.	☐ S	☐ F
38. Submit pond bathymetry data, survey, or engineering plans to the Department.	☐ S	☐ F
39. Is the pond fed or drained by surface water?	☐ Y ☐ N	☐ F
a. If yes,		
i. Explain. _____ _____ _____	☐ A	☐ F
ii. Submit measurements of the connected surface water source. These may include inflow and outflow measurements.	☐ S	☐ 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.	☐ Y ☐ N	☐ 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.	☐ Y ☐ N	☐ 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)?	☐ Y ☐ N	☐ 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.	☐ A	☐ 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.	☐ A	☐ F

POD #	Flow Rate			Volume	Period of Diversion	Depth	Measured or Estimated
	Flow Rate	*GPM*	*CFS*	*AF*	*MM/DD-MM/DD*	*FT*	
		☐	☐				
		☐	☐				
		☐	☐				
		☐	☐				
		☐	☐				

43. Will any of the *new* 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)?	☐ Y ☐ N	☐ 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.	☐ A	☐ F

POD #				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	

44. Will one or more *existing* wells/pumping pits be used for the proposed project?	☐ Y ☐ N	☐ F
a. If yes, will any of the *existing* 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)?	☐ Y ☐ N	☐ 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.	☐ A	☐ 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)? **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).* 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. _____	☐ A	☐ 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? _____		☐ F
47. Are stream gage data available?	☐ Y ☐ N	☐ 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?	☐ Y ☐ N	☐ F
i. If no, is only one stream gage located near the start of the depleted reach?	☐ Y ☐ N	☐ F
1. If yes, is the stream gage upstream or downstream? _____		☐ F
b. List the gage name(s). Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____		☐ 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: _____		☐ 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.	☐ Y ☐ N	☐ F
i. If yes, explain. _____ _____ _____	☐ A	☐ F
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		☐ F
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____		☐ F
g. Is each available stream gage operated and maintained by USGS or DNRC?	☐ Y ☐ N	☐ 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.		

1. How frequently is stage data recorded? Write "N/A" for Gage 2 if only one gage is not operated or maintained by USGS. Gage 1: _____ Gage 2: _____		☐ 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?	☐ Y ☐ N	☐ F
a. Gage 1._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ 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?	☐ Y ☐ N	☐ F
a. Gage 1._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ F
4. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
a. Gage 1._____	☐ Y ☐ N	☐ 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. _____	☐ Y ☐ N	☐ 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 months with net depletions?	☐ Y ☐ N	☐ F
i. If yes, record how many meet the standard, then skip to question 54 because this section is complete. _____		
ii. If no, answer question 49.		
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?	☐ Y ☐ N	☐ 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.	☐ S	☐ F
ii. Who collected the measurements? _____	☐ A	☐ F
iii. With what method was the data collected? _____ _____	☐ A	☐ F
iv. What is the period of record? _____		☐ F
v. What is the frequency of measurement? _____		☐ F
vi. Are there gaps in the data?	☐ Y ☐ N	☐ F
1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____ _____	☐ A	☐ F
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
1. If yes, explain. _____ _____ _____	☐ A	☐ 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?	☐ Y ☐ N	☐ 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?	☐ Y ☐ N	☐ F
a. If yes,		
i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____ _____	☐ A	☐ F
ii. Describe the estimation technique. _____ _____ _____ _____ _____ _____	☐ A	☐ 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?	☐ Y ☐ N	☐ F
1. If yes,		
a. With what method will the data be collected? _____ _____	☐ A	☐ F
b. What will be the interval of measurement? _____		☐ F

c. Describe the proposed estimation technique. _____ _____ _____ _____ _____	☐ A	☐ F
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.	☐ Y ☐ N	☐ F
c. If no, because no Department-accepted estimation technique will be appropriate for the hydraulically connected surface water source:		
i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics. _____ _____ _____	☐ A	☐ F
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?	☐ Y ☐ N	☐ 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 months with net depletions?	☐ Y ☐ N	☐ F
a. If yes, with what method will the data be collected? _____ _____	☐ A	☐ 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.	☐ Y ☐ N	☐ 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.	☐ Y ☐ N	☐ F
52. Did you elect in question 1 for the Department to conduct the Technical Analyses?	☐ Y ☐ N	☐ 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.	☐ S	☐ 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. ☐ Application to Change a Water Right to mitigate the adverse effects created ☐ Alternative mitigation plan ☐ 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. *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).*	☐ S	☐ F
b. Alternative mitigation plan: Submit a summary of your initial proposal.	☐ S	☐ F

i. Do you propose to use water with a marketing for mitigation/aquifer recharge purpose?	☐ Y ☐ N	☐ F
1. If yes,		
a. List the change authorization number(s) for all water rights proposed for use. _____	☐ A	☐ F
b. What is the area defined for marketing for all water rights proposed for use? _____	☐ A	☐ F
c. If Marketing for aquifer recharge, submit the analysis of the monthly accretions to hydraulically connected surface water(s); otherwise write “NA”. _____	☐ S	☐ F
c. Documentation to show a mitigation plan is not required: Submit all documentation.	☐ S	☐ 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)?	☐ Y ■ N	☐ F
a. If yes, is the use over 35 GPM or 10 AF/YR?	☐ Y ☐ N	☐ 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. _____ _____ _____ _____	☐ A	☐ 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?	☐ Y ■ N	☐ F
a. If yes, is the proposed flow rate and volume over 35 GPM or 10 AF/YR?	☐ Y ☐ N	☐ 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 *Form 600 YCGA: A Yellowstone Controlled Groundwater Area Addendum Over 35 gallons per minute* with the application.		
1. Does the proposed use require a point of diversion with water temperature of 60 degrees Fahrenheit or more?	☐ Y ☐ N	☐ 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.		

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 (https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas) not covered in questions 54 to 55?	☐ Y ☒ N	☐ F
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. _____ _____ _____ _____ _____ _____ _____ _____ _____	☐ A	☐ 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	☐ 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	☐ A
59. Are you aware of any calls that have been made on the source of supply or depleted surface water source?	☐ Y ☒ N
a. If yes, explain.	☐ A
60. Does a water commissioner distribute water or oversee water distribution on your proposed source or depleted surface water source?	☐ Y ☒ N

61. Will the point of diversion or conveyance infrastructure be shared with one or more existing water rights?	☐ Y ☒ N
a. If yes, explain how capacity of the shared point of diversion and/or conveyance infrastructure is sufficient for all water rights. _____ _____ _____ _____ _____	☐ 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.	☐ S
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. _____ _____ _____ _____ _____ _____ _____	☐ A

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.	☐ A
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.	☐ A
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.	☐ A

67. Does the proposed conveyance require easements?	☐ Y ■ N
a. If yes, explain. _____ _____ _____	☐ A
68. Do you own the land where all proposed points of diversion are located?	■ Y ☐ 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. _____ _____ _____ _____	☐ A
70. Do you have any plans to measure your diversion and use?	☐ Y ■ N
a. If yes, describe the plan and the type of measurements you will take. _____ _____ _____	☐ 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.	■ Y ☐ 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 (we assume) _____	

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. _____ _____ _____ _____ _____ _____ _____	☐ A
73. Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?	☐ Y ■ N
a. If yes,	
i. Have you researched or consulted with DEQ regarding those requirements?	☐ Y ☐ N
74. Are you proposing to use surface water for in-house domestic use?	☐ Y ■ N
a. If yes, does a COSA exist for the proposed place of use?	☐ Y ☐ N
i. If yes, please submit the COSA.	☐ S
ii. If no, have you researched or consulted with DEQ regarding their requirements?	☐ Y ☐ 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.	☐ Y ☉ N
a. If yes, explain. _____ _____ _____ _____	☐ A

b. If no,	
i. Do you own all proposed places of use?	☐ Y ☐ 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. _____ _____ _____ _____	☐ 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.	☐ Y ☐ N
i. If no, explain. _____ _____ _____	☐ 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.	☐ Y ■ N
77. Are preliminary designs available? Preliminary designs will be required at application submittal.	☐ S
a. If yes, submit preliminary designs.	☐ Y ☐ N
78. Will the place of storage be lined?	☐ Y ☐ 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. _____	☐ A

80. Is the place of storage capacity calculated to be greater than 50 AF?	☐ Y ☐ 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.	☐ Y ☐ 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.	☐ Y ■ N
82. For what purpose(s) will the marketed water be used? _____ _____ _____	☐ A
83. How will you control or limit access to the water? _____ _____ _____	☐ A
84. Do you have contracts for the entire volume and flow rate sought?	☐ Y ☐ 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.	☐ 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
2	Map meeting all requirements
5	Volume (based on total acres)
9	Total acres per legal description
11	Volume contributed by supplemental right (based on acres)
20	Volume needed at POD

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.

Applicant Signature	Date
Applicant Signature	Date
Department Signature	Date

9/22/2025 @ 11AM

REQUEST FOR PREAPPLICATION MEETING

ARM 36.12.1302(2)
(Revised 02/2025)

For Department Use Only

RECEIVED
AUG 21 2025
DNRC-WRD-BILLINGS

Date Received 8/21/2021
Received By CO
Scheduled Meeting Date 9/22/2025 @ 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** R BAR N RANCH L.L.C
Mailing Address 89 SANDCREEK Rd
City BRIDGER State MT Zip 59014
Home Phone 406-560-3018 Other Phone
Email: RBARNRANCH2@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:**
USE WASTE WATER TO IRRIGATE LAWN & GARDEN

Rick Cline - Per/PC 8/21/25
50 GPM
Volume = 10 AF

9/22/2025 @ 11AM

REQUEST FOR PREAPPLICATION MEETING

ARM 36.12.1302(2)

(Revised 02/2025)

For Department Use Only

Date Received 8/21/2021

Received By CS

Scheduled Meeting Date 9/22/2025 @ 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** R BAR N Ranch L.L.C

Mailing Address 89 SANDCREEK Rd

City Bridger State mt Zip 59014

Home Phone 406-560-3018 Other Phone

Email: RBARN RANCH 2 @ G-mail. 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:**

USE WASTE WATER TO IRRIGATE LAWN & GARDEN

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

a) The flow rate and volume of water required:

Flow Rate 50 ☐GPM ☐CFS Volume ________ Acre-Feet

b) The point of diversion:

Point of Diversion #1 SW 1/4 NW 1/4 NE 1/4 Section 8, Township 6 ☐N ☒S, Range 23 ☒E ☐W

County CARbon

Lot/Tract ________ Block________ Subdivision Name________

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:

4 Acres ____ Lot ____ Block NW 1/4 NW 1/4 NE 1/4 Sec 8, Twp 6 ☐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 CROOK

e) The proposed purpose: LAWN & GARden IRRigation

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

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 #					
Point of diversion	☐	☐	☐	☐	☐
Place of use	☐	☐	☐	☐	☐
Purpose of use	☐	☐	☐	☐	☐
Place of storage	☐	☐	☐	☐	☐

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

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

#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:

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

Existing Rights

- Abstracts of supplemental, associated, or otherwise related water rights

Existing Rights

STATE OF MONTANA

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 43D 199996-00 STATEMENT OF CLAIM

Version: 3 -- REEXAMINED

Version Status: ACTIVE

Owners: SAND CREEK CANAL CO
% DORIS DONOHOE
PO BOX 2241
RED LODGE, MT 59068

Priority Date: JULY 21, 1898

Enforceable Priority Date: JULY 21, 1898

Type of Historical Right: FILED

Purpose (Use): IRRIGATION

Irrigation Type: SPRINKLER/FLOOD

Maximum Flow Rate: 225.00 CFS

THE MAXIMUM COMBINED FLOW RATE FOR CLAIMS 43D 199994-00, 43D 199995-00, 43D 199996-00, 43D 199997-00, 43D 199998-00, AND 43D 199999-00 SHALL NOT EXCEED 225 CFS.

Maximum Volume: THE TOTAL VOLUME OF THIS WATER RIGHT SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

Climatic Area: 1 - HIGH

Maximum Acres: 190.00

Source Name: CLARKS FORK YELLOWSTONE RIVER

Source Type: SURFACE WATER

Point of Diversion and Means of Diversion:

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1		NESENW	8	7S	23E	CARBON

Period of Diversion: APRIL 1 TO OCTOBER 15

Diversion Means: HEADGATE

Ditch Name: SAND CREEK CANAL

Period of Use: APRIL 1 to OCTOBER 15

Place of Use:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1	92.00		NW	8	6S	23E	CARBON
2	96.00		NE	8	6S	23E	CARBON
3	2.00		SE	15	5S	23E	CARBON
Total:	190.00						

Geocodes/Valid: -- NO VALID GEOCODES --

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE SUPPLEMENTAL WHICH MEANS THE RIGHTS HAVE OVERLAPPING PLACES OF USE. THE RIGHTS CAN BE COMBINED TO IRRIGATE ONLY OVERLAPPING PARCELS. EACH RIGHT IS LIMITED TO THE FLOW RATE AND PLACE OF USE OF THAT INDIVIDUAL RIGHT. THE SUM TOTAL VOLUME OF THESE WATER RIGHTS SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

199994-00 199995-00 199996-00 199997-00 199998-00 199999-00

AUTHORIZATION TO CHANGE PLACE OF USE COMPLETED 03/16/1990. FILE REFLECTS RIGHT AS IT EXISTED PRIOR TO JULY 1973. APPROVED CHANGES WILL BE RECORDED AFTER FINAL DECREE. SEE 43D-199995.

STARTING IN 2008, PERIOD OF DIVERSION WAS ADDED TO MOST CLAIM ABSTRACTS, INCLUDING THIS ONE.