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

Water Resources Division – Kalispell Regional Office
655 Timberwolf Pkwy, Ste. 4
Kalispell, MT 59901-1215
(406) 752-2288
DNRCKalispellWater@mt.gov

11/4/2026

McIntyre Jones Trust
7957 Farm to Market Road
Whitefish, MT 59937-1309

Subject: Correct and Complete Application for Beneficial Water Use Change No. 76LJ 30171782

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.
Best,

Abigail Williams
Water Resource Specialist
Kalispell Regional Office
Abigail.Williams@mt.gov

CC via email: Jamie Graham, Water & Environmental Technologies

Williams, Abby

From: Jamie Graham <jgraham@waterenvtech.com>
Sent: Monday, November 2, 2026 3:54 PM
To: Williams, Abby
Subject: [EXTERNAL] RE: Change Application 76LJ 30171782 (McIntyre Jones)

Apologies, flow rate identified in the email below was incorrect. The correct flow rate is **86.7 gpm.**

Thanks,

Water & Environmental TECHNOLOGIES
Jamie Graham
Project Hydrogeologist
P: (406) 309-6084
C: (406) 471-1205
waterenvtech.com

From: Jamie Graham
Sent: Monday, November 2, 2026 3:47 PM
To: Williams, Abby <abigail.williams@mt.gov>
Subject: Change Application 76LJ 30171782 (McIntyre Jones)

Good afternoon, Abby,

I am following up regarding Change Application 76LJ 30171782.

The applicant intends to install a variable frequency drive (VFD) to regulate the pumping rate and ensure that the proposed maximum flow rate of 87.6 GPM is not exceeded, regardless of where on the property irrigation water is being applied. The property has a variety of elevations served, differing pipe lengths, and associated pumping head requirements. The VFD will allow the system to adjust pump output to accommodate these varying conditions while maintaining the proposed flow rate.

Please let me know if you have any questions or concerns regarding this proposed approach.

Thanks,

Water & Environmental TECHNOLOGIES
Jamie Graham
Project Hydrogeologist
P: (406) 309-6084
C: (406) 471-1205
waterenvtech.com

WORK COPY

14. Is the source surface water or groundwater? Surface Water

15. What is the source name? Stillwater River

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

Water Right No.	76LJ 30174766	76LJ 30174762			
Point of Diversion	☑	☒	☐	☐	☐
Place of Use	☑	☒	☐	☐	☐
Purpose of Use	☐	☐	☐	☐	☐
Place of Storage	☐	☐	☐	☐	☐

Per pre application form AW 11/3/26

17. ☑ **S** Submit a historical use map created on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all historical points of diversion (POD) labeled with a unique POD ID ("H" followed by a number), all historical places of use (POU), all historical conveyance structures, all historical places of storage, and historical place of use for all overlapping water rights. More than one map may be submitted, if necessary, to clearly convey all required information.

18. ☑ **S** Submit a proposed use map created on an aerial photograph or topographic map that shows section corners, township and range, scale bar, north arrow, and the following elements: points of diversion labeled with a unique POD ID ("P" followed by a number), places of use, conveyance structures, places of storage, and place of use for all overlapping water rights. Include all elements that will be on the water rights after the proposed change, regardless of whether the element will be modified by the change. The map should fully depict the water rights, as proposed, after the change. More than one map may be submitted, if necessary, to clearly convey all required information.

19. ☑ **Y** ☐ **N** Does the proposed change involve a change in point of diversion?

IF YES,

19.a. Describe the location for all *new* and *unchanged* points of diversion to the nearest 10 acres. Label POD ID with the same POD ID number assigned for the proposed use map (question 18).

POD ID	¼	¼	¼	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot	New or Unchanged
P1	SW	SE	SE	14	31N	23W	Flathead			2CB			New

Water & Environmental
TECHNOLOGIES

October 14, 2026

Jim Ferch
DNRC Regional Office
655 Timberwolf Parkway, Suite 4
Kalispell, MT 59901

Re: Form 606 Application to Change Water Right No. 76LJ 30171782 – McIntyre Jones Trust (formerly Hoffman/Conway)

Dear Jim:

The purpose of this correspondence is to submit the Application to Change a Water Right (Form 606) for Water Right No. 76LJ 30171782. Since the Form 606 Part B submittal and the Department's completion of the technical analysis, property ownership has changed. The applicants listed on the previous water right application materials (Arden Hoffman and Claire Conway) established the McIntyre Jones Trust on September 1, 2026. The proposed water right remains unchanged, and the individuals involved in water right planning and use remain the same. The applicant's contact information should be updated as follows:

McIntyre Jones Trust
7957 Farm to Market Road
Whitefish, MT 59937

The McIntyre Jones Trust property is situated within the original places of use for Statement of Claim (SOC) 76LJ 9218-00 and Provisional Permit (PP) 76LJ 30008069. WET filed split applications on behalf of the applicant for the SOC and the PP on October 15, 2025. The split applications created two new water rights, identified as SOC 76LJ 30174766 (a child right created from SOC 76LJ 9218-00) and PP 76LJ 30174762 (a child right created from PP 76LJ 30008069).

The proposed change will support irrigation of a property located near Whitefish, Montana. The application proposes to utilize a new point of diversion located on the Stillwater River. Supporting documentation is provided as necessary to supplement the Form 606. The signed and completed form 606 is provided as **Attachment A**.

The following information and attachments are provided in support of the application to change a water right.

Form No. 606 Responses

As required, the following responses are provided in support of the attached Form 606 where space limitations precluded providing a complete explanation within the form itself.

17. Submit a historical use map created on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all historical points of diversion (POD) labeled with a unique POD ID ("H" followed by a number), all historical places of use (POU), all historical conveyance structures, all historical places of storage, and historical place of use for all overlapping water rights. More than one map may be submitted, if necessary, to clearly convey all required information.

Figures are provided as **Attachment B**. A description of the historical figures is provided below:

Figure 1 – this provides the historic places of use, and historic points of diversion for water rights 769LJ 9218-00 (and child right 76LJ 30174766) and 76LJ 30008069 (and child right 76LJ 30174762) along with the boundaries of the subject property.

Figure 2 – This figure provides the historic use associated with 76LJ 30008069 (and child right 76LJ 30174762)

Figure 3 - This figure provides the historic use associated with 769LJ 9218-00 (and child right 76LJ 30174766

18. Submit a proposed use map created on an aerial photograph or topographic map that shows section corners, township and range, scale bar, north arrow, and the following elements: points of diversion labeled with a unique POD ID ("P" followed by a number), places of use, conveyance structures, places of storage, and place of use for all overlapping water rights. Include all elements that will be on the water rights after the proposed change, regardless of whether the element will be modified by the change. The map should fully depict the water rights, as proposed, after the change.

See attached **Figure 4** – Proposed Water Use. Figure 4 depicts proposed POD P1 on the Stillwater River, the proposed conveyance main, and the proposed 16.43-acre irrigation area within the place of use.

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

See attached **Figure 4** – Proposed Water Use. The proposed use map depicts the infrastructure utilized to divert water from the river to the place of use.

33. Describe specific information about the capacity of all proposed diversionary structures.

The proposed Stillwater River diversion will utilize a Grundfos pump station, Model 90S100-8 (or equivalent). A pump curve is provided as **Attachment C**. The station consists of a single sled-mounted submersible pump designed for a capacity of approximately 86.7 (gallons per minute) gpm at 75 psi.

A preliminary total dynamic head (TDH) evaluation was completed for the diversion system. The evaluation assumes a Stillwater River water-surface elevation of approximately 2,975 feet, a highest irrigation elevation of approximately 3,045 feet, approximately 2,340 feet of 3-inch HDPE conveyance piping, and a design flow of 87.6 gpm. Estimated pipe-friction, elevation, and minor losses result in a preliminary TDH of approximately 286 feet. The pump is capable of providing up to 87.6 gpm at 75 psi, equivalent to approximately 286 feet of pressure head, and therefore provides adequate hydraulic capacity to convey the authorized diversion from the Stillwater River to the place of use. The preliminary TDH calculations are provided as **Attachment D**.

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.

Water diverted from the Stillwater River at POD P-1 will be conveyed up to 2,340 feet through a 3-inch HDPE pressurized transfer pipeline to the furthest portion of the place of use. The river pump station is designed to convey up to 86.7 gpm at the furthest irrigation header.

The 3-inch pipe will serve as the irrigation mainline with headers located on approximately 102 foot centers. Hand lines will extend from the irrigation headers with sprinkler heads spaced on approximately 50 to 55 foot centers. Rain bird 30H impact sprinkler heads will be utilized on the hand lines. Sprinkler specifications are provided as **Attachment E**. As shown, the rainbird sprinklers are capable of producing approximately 11 gpm at the design system operating pressure.

34. Describe your plan of operations, including 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 size, materials, capacity, and configuration of infrastructure to convey water from all proposed points of diversion to all proposed places of use.

During peak irrigation season irrigation may occur up to seven days per week. The system is composed of a stationary 3-inch diameter HDPE main line with a with irrigation headers every 102 feet. Hand lines will run perpendicular to the main lines with sprinkler heads spaced on approximately 50 to 55 foot centers. Each sprinkler head will operate at approximately 11 GPM at 75 PSI with a 52-foot throw radius. A maximum of 8 sprinkler heads will operate at any given time. A total flow rate of 86.7 GPM is required for site irrigation.

44.a, Explain and submit documentation that shows you have possessory interest in the proposed place of use.

The applicants originally listed in the materials associated with change application 76LJ 30171782 (Claire Conway and Arden Hoffman) recently established a trust (McIntyre Jones Trust) and placed the property (Tract 3 of COS 21901) in ownership of the trust. **Attachment F** provides documentation establishing possessory interest including the Certification of Trust, a Grant Deed, and Certificate of Survey 21901.

Form 606 Attachments:

The following attachments are provided in support of this application:

Attachment A – Signed Form 606
Attachment B – Figures and Project Maps
Attachment C – Preliminary Total Dynamic Head Evaluation
Attachment D – Pump Curve
Attachment E – Sprinkler Specifications
Attachment F – Documentation of Ownership and Signing Authority

If you have any questions regarding the information provided above or would like to discuss this matter in further detail, I can be reached at 406-309-6084 or jgraham@waterenvtech.com.

Sincerely,

Jamie Graham
Project Hydrogeologist
Water & Environmental Technologies

Attachment A

Signed Form 606

APPLICATION TO CHANGE A WATER RIGHT

§ 85-2-302, MCA

Form No. 606 *(Revised 10/2025)*

For Department Use Only

RECEIVED
DNRC Water Resources

OCT 14 2026

Kalispell Unit

Application # _____ Basin _____
Priority Date _____ Time 13:31 AM/PM
Rec'd By LP
Fee Rec'd $ 1000.00 Check # 1542
Deposit Receipt # KLV2707065
Payor Water & Environmental Tech Inc.
Refund $ _____ Date _____

FILING FEE

$2500/$1500 – Without/with filing fee reduction.

$400 – ***(The following types do not qualify for a filing fee reduction)***

- **Replacement well greater than 200 feet from original**
- **Replacement reservoir on the same source**

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 606P-B will be credited toward filing fees shown above.

Applicant Information: *Add more as necessary.*

Applicant Name McIntyre Jones Trust
Mailing Address 7957 Farm to Market Road City Whitefish State MT Zip 59937
Phone Numbers: Home _____ Work _____ Cell _____
Email Address _____

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 Water & Environmental Technologies - Jamie Graham
Mailing Address 102 Cooperative Way Suite 100 City Kalispell State MT Zip 59901
Phone Numbers: Home _____ Work (406) 309-6084 Cell _____
Email Address jgraham@waterenvtech.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 correspondence 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 Change Preapplication Meeting Form Part A and Part B (Form 606P-A and 606P-B)?

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

2.a. ☐ **S** Submit the Technical Analyses Addendum (Form 606-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 606P? **If yes,**

2.c.i. Please explain.

_____

_____

_____

_____

_____

_____

2.c.ii. ☐ **S** Submit the Technical Analyses Addendum (Form 606-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 606-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 the proposed change involves one or more places of storage, submit a Change Storage Addendum (Form 606-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)).

4. ☐ **S** ☑ **NA** If the project involves an appropriation that is greater than 5.5 CFS and 4,000 acre-feet, submit a Reasonable Use Addendum (Form 606-B).

5. ☐ **S** ☑ **NA** If the project involves out-of-state water use, submit an Out-of-State Use Addendum (Form 600/606-OSA).

6. ☐ **S** ☑ **NA** If the proposed purposes include marketing or selling water, submit a Water Marketing Purpose Addendum (Form 600/606-WMA). This doesn't include marketing for mitigation/aquifer recharge.

7. ☐ **S** ☑ **NA** If the proposed purpose includes instream flow, submit a Change to Instream Flow Addendum (Form 606-IFA).

8. ☐ **S** ☑ **NA** If the proposed purposes include mitigation, aquifer recharge, or marketing for mitigation/ aquifer recharge, submit a Mitigation Purpose Addendum (Form 606/606-MIT).

9. ☐ **S** ☑ **NA** If the project is in designated sage grouse habitat, submit a review letter from the Montana Sage Grouse Habitat Conservation Program.

10. ☐ **S** ☑ **NA** If you propose to add a point of diversion or place of use on State of Montana Trust Land, submit documentation of consent from DRNC Trust Lands Management Division. If you propose to add a place of use on Trust Land with all points of diversion on private land, then, at a minimum, that component of the change authorization will be temporary for the duration of the lease term (§ 85-2-441, MCA).

11. ☐ **Y** ☑ **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.

APPLICATION DETAILS

12. How many change applications will be needed for this project? Refer to ARM 36.12.1305 for more information. One change application is required

13. Fill out the table below for the water rights proposed for change.

Water Right No.	**Current Authorized Flow Rate**			**Flow Rate Needed for Project**			**Means of Diversion**
	Flow	*GPM*	*CFS*	*Flow*	*GPM*	*CFS*	
76LJ 30174766	5.57	☐	☑	33.4	☑	☐	Pump
76LJ 30174762	650	☑	☐	53.3	☑	☐	Pump
		☐	☐		☐	☐	
		☐	☐		☐	☐	
		☐	☐		☐	☐	

14. Is the source surface water or groundwater? Surface Water

15. What is the source name? Stillwater River

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

Water Right No.	76LJ 30174766	76LJ 30174762			
Point of Diversion	☑	☐	☐	☐	☐
Place of Use	☑	☐	☐	☐	☐
Purpose of Use	☐	☐	☐	☐	☐
Place of Storage	☐	☐	☐	☐	☐

17. ☑ **S** Submit a historical use map created on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all historical points of diversion (POD) labeled with a unique POD ID ("H" followed by a number), all historical places of use (POU), all historical conveyance structures, all historical places of storage, and historical place of use for all overlapping water rights. More than one map may be submitted, if necessary, to clearly convey all required information.

18. ☑ **S** Submit a proposed use map created on an aerial photograph or topographic map that shows section corners, township and range, scale bar, north arrow, and the following elements: points of diversion labeled with a unique POD ID ("P" followed by a number), places of use, conveyance structures, places of storage, and place of use for all overlapping water rights. Include all elements that will be on the water rights after the proposed change, regardless of whether the element will be modified by the change. The map should fully depict the water rights, as proposed, after the change. More than one map may be submitted, if necessary, to clearly convey all required information.

19. ☑ **Y** ☐ **N** Does the proposed change involve a change in point of diversion?

IF YES,

19.a. Describe the location for all *new* and *unchanged* points of diversion to the nearest 10 acres. Label POD ID with the same POD ID number assigned for the proposed use map (question 18).

POD ID	¼	¼	¼	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot	New or Unchanged
P1	SW	SE	SE	14	31N	23W	Flathead			2CB			New

19.b. ☑ **NA** Describe the location of all historical PODs you propose to *retire*. Label POD ID with the same POD ID assigned for the historical use map (question 17). If none are proposed for retirement, select "NA" checkbox.

POD ID	¼	¼	¼	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot

19.c. What is the means of diversion for all *new* PODs? 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.

Pump

20. ☑ **Y** ☐ **N** Does the proposed change involve a change in place of use?

IF YES,

20.a. What are the geocodes of the proposed place of use?

07-4291-14-4-01-15-0000	
07-4291-23-1-02-03-0000	

20.b. Describe the legal land description of the proposed place of use, and if the water rights being changed will have an irrigation or lawn and garden purpose, list the number of irrigated acres.

Acres	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
5.55					14	31N	23W	Flathead
10.88					23	31N	23W	Flathead
16.43	***Total***							

21. ☑ **Y** ☐ **N** Does the proposed change involve a change in place of use or purpose?

IF YES,

21.a. ☐ **Y** ☑ **N** Do other water rights supplement or overlap the proposed place of use?

IF YES,

21.a.i. How will the water rights be operated to serve the proposed purposes?

_____

_____

_____

_____

21.a.ii. For each supplemental or overlapping water right, please list the average period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed.

Water Right No.	**Avg. Period of Diversion**	**Avg. Period of Use**	**Flow Rate**			**Volume Contributed**
	MM/DD-MM/DD	*MM/DD-MM/DD*	*Flow*	*GPM*	*CFS*	*AF*
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	

22. ☐ **Y** ☑ **N** Are you filing on behalf of another entity? If yes, describe.

_____

_____

23. ☑ **Y** ☐ **N** Do you own the entire historical place of use for all water rights proposed for change?

IF QUESTION 23 IS NO,

23.a. ☐ **Y** ☐ **N** Was the water historically used for sale, rental, distribution, municipal use, or any other context in which water is being supplied to another and it is clear that the ultimate user would not accept the supply without consenting to the use of water on the user's place of use?

IF QUESTION 23.a IS NO,

23.a.i. ☐ **Y** ☐ **N** List the water rights for which you do not own the entire historical place of use.

_____

23.a.ii. ☐ **Y** ☐ **N** Are the water rights listed in question 23.a.i severed from the historical place of use?

IF QUESTION 23.a.ii IS YES,

23.a.ii.1. ☐ **Y** ☐ **N** Do you own the entirety of the severed water rights proposed for change? If yes, skip to question 24. If no, answer question 23.a.iii.

IF QUESTION 23.a.ii OR 23.a.ii.1 IS NO,

23.a.iii. ☐ **Y** ☐ **N** ☐ **NA** Are all owners of the historical place of use or, if applicable, owners of the severed water rights, willing to sign the application?

IF QUESTION 23.a.iii IS NO,

23.a.iii.1. ☐ **S** Submit a Form 641 or 642 to split the water rights being changed for which all owners will not sign.

ADVERSE EFFECT

24. Explain how you can control your diversion in response to a call being made.
The power to the pump can be turned off in response to a call from a senior appropriator.

25. Describe any plans you have for ensuring existing water rights will be satisfied during times of water shortage.
Irrigation demand will be reduced in a staged manner during periods of water shortage, including reductions in application rates of approximately 50 percent, and during more sever shortages, up to approximately 25 percent. If a valid call is made by a senior appropriator, pumping will be reduced or ceased as necessary to comply with the call.

26. ☐ **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?

26.a. If yes, explain.

27. Describe how the proposed change will or will not affect your ability to make call.
The proposed change will make it easier to implement changes if a call is made due to the new POD and all associated infrastructure being located on property that the applicant owns and operates.

28. ☐ **Y** ☑ **N** Does a water commissioner distribute water or oversee water distribution on your proposed source, or if groundwater, on nearby surface water sources?

28.a. If yes, list the sources.

29. When was the last time each water right proposed for change was appropriated and used beneficially?
Prior to March 24, 2022 - see attached narrative.

IF THERE HAS BEEN A PERIOD OF NONUSE,

29.a. Why was the water right not used?
The applicants acquired the property and associated water rights on on March 24, 2022. Ir rrigation ceased while the owners pursued land planing, home design, permitting and cons truction associated with development of the property.

29.b. Why will a resumption of use not adversely affect other water users?
Resumption of use will occur under the proposed change authorization and will not increas e the historical consumptive use of the water right or expand its historical effect on the sour ce. The proposed diversion, place of use, and irrigation operation have been designed to m aintain the historical pattern of depletion and protect existing water rights.

29.c. ☐ **Y** ☑ **N** Is the period of nonuse greater than 10 years for any of the water rights proposed for change? If yes, list which water rights.

29.d. ☑ **Y** ☐ **N** Have new water rights been authorized to use the source during the period of nonuse for any of the water rights proposed for change? If yes, explain.
Provisional Permit 76LJ 30163639 was authorized with a priority date of May 29, 2025. The use of ~~water under Water Right No. 76LJ 30175732 was considered in the legal demand (as 76LJ 9218) and legal availability analyses completed for the proposed change.~~

30. ☐ **Y** ☑ **N** Do you propose to add one or more points of diversion or use new or existing conveyance infrastructure that will be shared with one or more existing water rights?

30.a. If yes, describe how the capacity of the shared points of diversion and/or conveyance infrastructure is sufficient for all water rights and how the proposed project will not adversely affect these water rights.

31. ☐ **NA** Answer questions 31.a to 31.b for point of diversion changes. If you do not propose a point of diversion change, mark "NA" instead.

31.a. Are the proposed points of diversion upstream or downstream of the historical points of diversion?
The proposed point of diversion is located approximately 2 miles downstream of the POD associated with water right 76LJ 9218-00 (and 76LJ 30174766) approximately 0.7 miles upstream of the POD associated with water right 76LJ 30008069 (and 76LJ 30174762).

31.b. ☑ **Y** ☐ **N** Are there intervening water users between the historical and proposed points of diversion?

31.b.i. If yes, list the water rights.
76LJ 214789 00; 76LJ 30008069; 76LJ 30174762; 76LJ 30174766; 76LJ 30175732

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.

See cover letter for a detailed response to question 33.

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.

See cover letter for a detailed response to question 34.

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

35.a. If yes, explain.

36. Describe your plan of operations, including 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.
See cover letter for a detailed response to question 36.

37. ☑ **Y** ☐ **N** ☐ **NA** If you propose to add one or more points of diversion, do you own the land where all proposed points of diversion are located? If you do not propose to add one or more points of diversion, mark "NA" instead.

37.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.

38. ☐ **Y** ☑ **N** Will your system be designed to discharge water from the project?

38.a. If yes, explain the wastewater disposal method.

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

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

IF YES,

39.a. ☐ **Y** ☐ **N** Have all wells been drilled?

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

39.c. ☐ **Y** ☐ **N** ☐ **NA** For all wells yet to be drilled, will a licensed well driller construct the wells? If no wells are yet to be drilled, mark "NA" instead.

39.d. ☐ **S** ☐ **NA** Submit any well logs not yet submitted to the Department, such as for wells drilled after submittal of Form 606P. If all well logs have been submitted to the Department, mark "NA."

BENEFICIAL USE

40. ☑ **Y** ☐ **N** Does the Department have a standard period of diversion, period of use, flow rate, and/or volume for any of the purposes for which water is used? Department standards can be found in the DNRC Water Calculation Guide, ARM 36.12.112, ARM 36.12.115, and ARM 36.12.1902.

40.a. If yes, list the purposes for which the Department has a standard and note whether the water use falls within or outside the standard.

The proposed period of use and volume for irrigation use falls within the Department standards.

40.b. For any of the purposes with no Department standard or with proposed beneficial use that falls outside of Department standards, explain how the use is reasonable for that purpose.

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

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

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

42.a.i. ☐ **S** If yes, submit the COSA.

POSSESSORY INTEREST

43. ☐ **Y** ☑ **N** Do you meet one of the exceptions to possessory interest requirements, pursuant to ARM 36.12.1802 and § 85-2-402(2)(d), MCA? 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, and applications for the purposes of instream flow, mitigation, and marketing for mitigation.

43.a. If yes, explain.

44. ☑ **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.

44.a. ☑ **S** If no, explain and submit documentation that shows you either have possessory interest or written permission of the parties with possessory interest of the proposed place of use.
See attached letter narrative for a detailed response.

PROPOSED COMPLETION PERIOD

45. How many years will be needed to complete this project and to submit to the DNRC a Project Completion Notice (Form 618)? 10 years

46. Describe why this amount of time is needed to complete this project.
The pump station will need to be constructed and the irrigation mainline needs to be installed. ~~Additional time (10 years) will be required to ensure the full volume of water is utilized during a dry irrigation year.~~

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 Arden Hoffman

Applicant Signature DocuSigned by: Arden Hoffman AEB1A0CDCAFA458... Date: 10/14/2026

Printed Name Claire Conway

Applicant Signature DocuSigned by: Claire Conway 06C8979CFE294C7... Date: 10/14/2026

Printed Name _____

Applicant Signature _____ Date: _____

docusign

Certificate Of Completion

Envelope Id: DF19EE7C-C4A1-84FD-8226-322C68323D8C
Status: Completed
Subject: Complete with Docusign: 1.0_Form-606_hoffman Conway_Final.pdf
Source Envelope:
Document Pages: 14
Signatures: 2
Certificate Pages: 2
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Envelope Originator:
Water & Environmental Technologies (WET)
docusign@waterenvtech.com
IP Address: 72.175.51.82

Record Tracking

Status: Original
10/14/2026 9:31:14 AM
Holder: Water & Environmental Technologies (WET)
docusign@waterenvtech.com
Location: DocuSign

Signer Events	Signature	Timestamp
Arden Hoffman ardenmh@gmail.com Landlord Security Level: Email, Account Authentication (None)	DocuSigned by: Arden Hoffman AEB1A0CDCAFA458...	Sent: 10/14/2026 9:34:34 AM Viewed: 10/14/2026 9:43:47 AM Signed: 10/14/2026 9:43:58 AM
	Signature Adoption: Pre-selected Style Using IP Address: 198.208.46.80	
Electronic Record and Signature Disclosure: Not Offered via Docusign		
Claire Conway conwaywriting@gmail.com Security Level: Email, Account Authentication (None)	DocuSigned by: Claire Conway 08C8979CFE294C7...	Sent: 10/14/2026 9:34:33 AM Viewed: 10/14/2026 10:27:41 AM Signed: 10/14/2026 10:28:27 AM
	Signature Adoption: Pre-selected Style Using IP Address: 2600:387:15:1c17::1 Signed using mobile	
Electronic Record and Signature Disclosure: Not Offered via Docusign		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

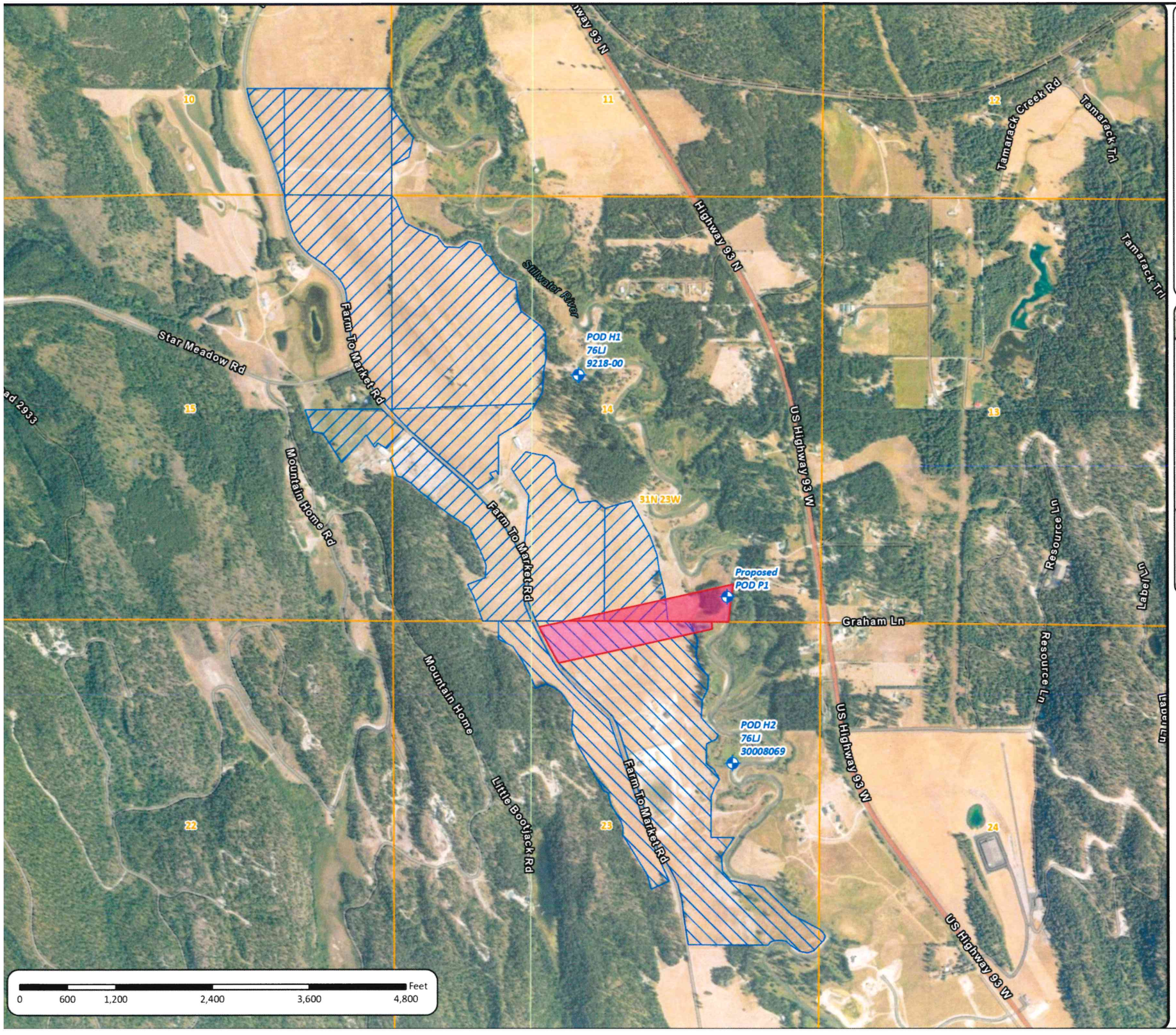
Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	10/14/2026 9:34:34 AM
Certified Delivered	Security Checked	10/14/2026 10:27:41 AM
Signing Complete	Security Checked	10/14/2026 10:28:27 AM
Completed	Security Checked	10/14/2026 10:28:27 AM

Payment Events	Status	Timestamps

Attachment B

Figures







N
W E
S

NO	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery:
NAIP 2023

- Point of Diversion
- Section

Place of Use

- Water Right 76LJ 9218-00
- Water Right 76LJ 30008069
- Water Right 76LJ30174766
- Water Right 76LJ30174762
- Proposed Property Boundary
- NetEvap_Gridded_Monthly

SITE VICINITY

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 1

JOB# 2025.2727

DATE 10/14/2026

Path: P:\PROJECTS\Hoffman_Jordan_Conway_Claim\1819-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Section
Aliquot Part
Irrigation Mainline
Place of Use
Subject Property Boundary
Water Right 76LJ30174762
Water Right 76LJ30174766

N
W E
S

NO	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: 1974

HISTORIC IMAGERY - WATER RIGHT 76LJ 9218-00

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 2

JOB# 2025.2727

DATE 10/14/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Clare\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

0 350 700 1,400 2,100 2,800 Feet

Point of Diversion
Subject Property Boundary
Water Right 76LJ 9218-00
Water Right 76LJ 30008069
Water Right 76LJ30174762
Water Right 76LJ30174766
Irrigation Mainline

Proposed POD P1
POD H2 76LJ 30008069
31N 23W
Farm To Market Rd
Mountain Home
Little Bootjack Rd
Little Boot Lake
Stillwater River
Graham Ln
Garland Ln
US Highway 93 W
15
14
13
22
23
24
SESE
SWSW
SESW
SWSE
SESE
NENE
NWNW
NENW
NWNE
NENE
NWNW
NENW
SENE
SWNW
SENW
SWNE
SENE
SWNW
SENW
NESE
NWSW
NESW
NWSE
NESE
NWSW
NESW
SWSE
SESE
SWSW
SESW

Feet
0 250 500 1,000 1,500 2,000

N
W E
S

NO	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: 1974

HISTORIC IMAGERY - WR 76LJ 30008069

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 3

JOB# 2025.2727
DATE 10/14/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Clark\1839.25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Proposed Irrigation Mainline
Proposed Irrigated Area (POU)
Subject Property Boundary
Section
Aliquot Part

N
W E
S

Total Irrigated Area: 16.43 acres

Irrigated Area in Section 14: 5.55 acres

Irrigated Area in Section 23: 10.88 acres

Proposed POD P1

Farm To Market Rd

Stillwater River

14
SESW SESW
SWSE SWSE
SESE SESE
23
NENW NENW
NWNE NWNE
NENE NENE
31N 23W

0 100 200 400 600 800 Feet

T31N, R23W

NO	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2	UPDATED IRRIGATED AREA	3/6/26	LG	JG
3				
4				
5				

Aerial Imagery:
September 19, 2025

PROPOSED WATER USAGE

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 4

JOB# 2025.2727

DATE 10/14/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Clara\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Attachment C

Preliminary Total Dynamic Head Evaluation

POD-P1 TO FURTHEST HEADDER

Maximum Flow Rate (gpm)	86.7

3" Water Line from Pump to West End of Property

Specified Data

l = equivalent length of pipe (ft)	2340
c = Hazen-Williams roughness constant	150
q = volume flow (gal/min)	86.7
dh = inside or hydraulic diameter (inches)	3

Calculated Pressure Loss

f = friction head loss in feet of water per 100 feet of pipe (ft H20 per 100 ft pipe)	1.82
f = friction head loss in psi of water per 100 feet of pipe (psi per 100 ft pipe)	0.78
Head loss (ft H20)	42.61
Head loss (psi)	**18.32**

Elevation Change

Highest irrigation area on property	3045
Stillwater River Surface Elevation (includes safety factor)	2975
Total Elevation Loss	
Head loss (ft H20)	70.00
Head loss (psi)	30.30

Total System Calculations

POD to West End of Property (ft H20)	**112.61**
POD to West End of Property (psi)	**48.75**
System Operating Pressure (ft H2O)	**173.25**
System Operating Pressure (PSI)	**75**
Total Calculated Head Losses (ft H2O)	**286**
Total Calculated System Head Losses (PSI)	**124**
Pump Selection Criteria - Total Dynamic Head	**286**

Attachment D

Pump Curve

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:
	TYPE OF SERVICE:	
REPRESENTATIVE:	SUBMITTED BY:	DATE:
ENGINEER:	APPROVED BY:	DATE:
CONTRACTOR:	ORDER NO.:	DATE:



Note! Product picture may differ from actual product

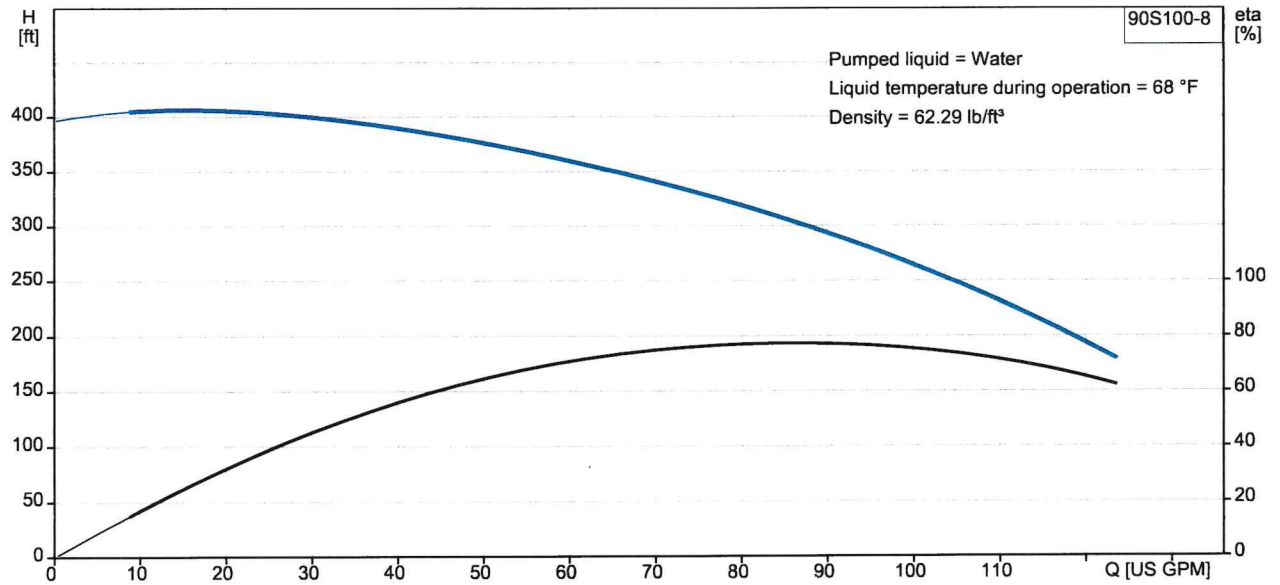
90S100-8

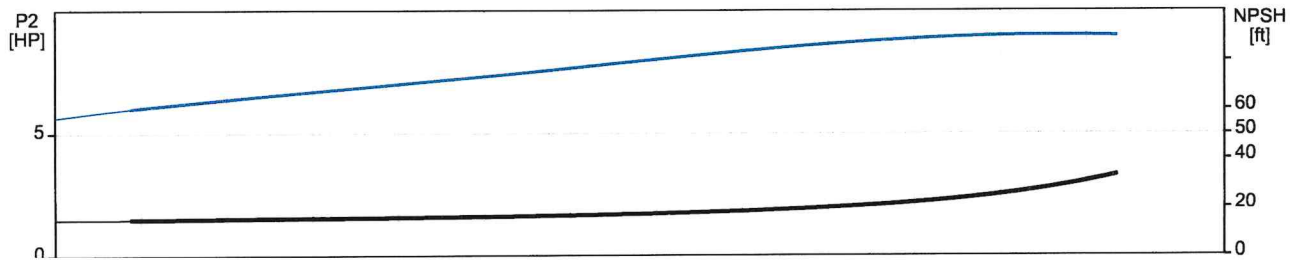
Submersible pumps in stainless steel. EN 1.4301 (AISI 304). EN 1.4401 (AISI 316). EN 1.4539 (AISI 904L). Typical application: Ground water, Irrigation, Mining, Fountain, Off-shore etc.

Conditions of Service	
Efficiency:	%
Liquid:	Water
Temperature:	68 °F
NPSH required:	19.58 ft
Specific Gravity:	1.000

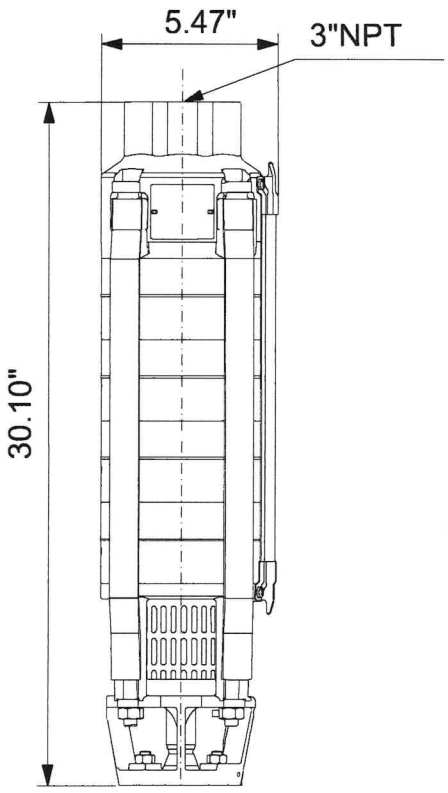
Pump Data	
Liquid temperature range:	5 .. 140 °F
Product number:	93040590

Motor Data	
Mains frequency:	60 Hz





Submittal Data



Materials:

Impeller: Stainless steel
AISI 304
EN 1.4301

GRUNDFOS

Company name:
Created by:
Phone:

Date: 12/10/2026

Qty.	Description
1	**90S100-8** Product No.: 93040590 Pump without motor Multi-stage submersible pump for raw water supply,groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-agressive liquids without solid particles or fibres.

Liquid:

Pumped liquid:	Water
Liquid temperature range:	5 .. 140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³

Technical:

Pump speed on which pump data are based:	3450 rpm
Rated flow:	96.9 US GPM
Rated head:	278.9 ft
Approvals:	CULDWUS,CCSAUS
Approvals for drinking water:	PROP65
Curve tolerance:	ISO9906:2012 3B
Return valve:	YES

Materials:

Pump:	Stainless steel
	EN 1.4301
	AISI 304
Impeller:	Stainless steel
	EN 1.4301
	AISI 304

Installation:

Maximum operating pressure:	870.23 psi
Maximum outlet pressure:	187.1 psi
Type of connection:	NPT(F)
Size of connection:	3 inch
Motor diameter:	6 inch
Minimum borehole diameter:	5.71 in

Electrical data:

Motor flange design:	Grundfos
Power (P2) required by pump:	10 HP

Others:

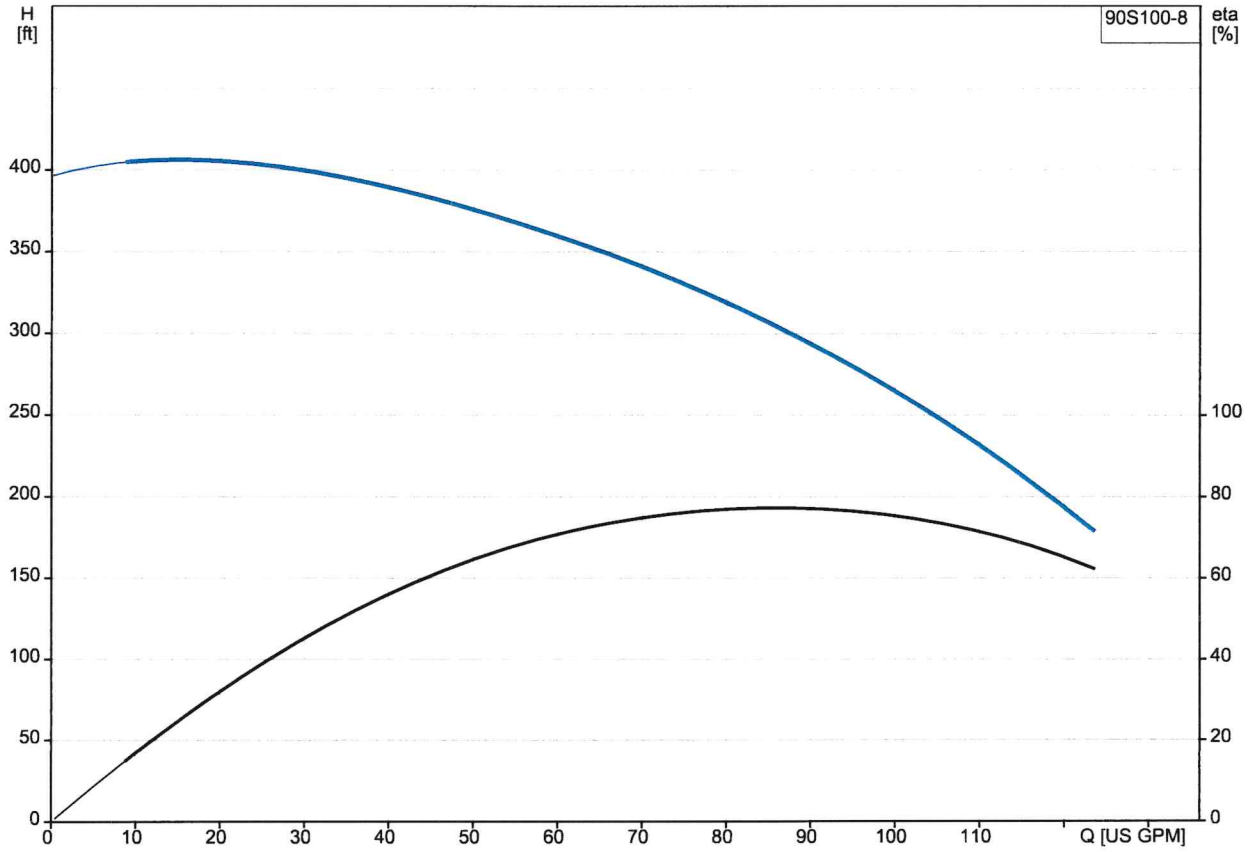
DOE Pump Energy Index CL:	0.84
Net weight:	33.7 lb
Gross weight:	39.5 lb
Shipping volume:	1.13 ft³
Country of origin:	US
Custom tariff no.:	8413.70.2004

GRUNDFOS

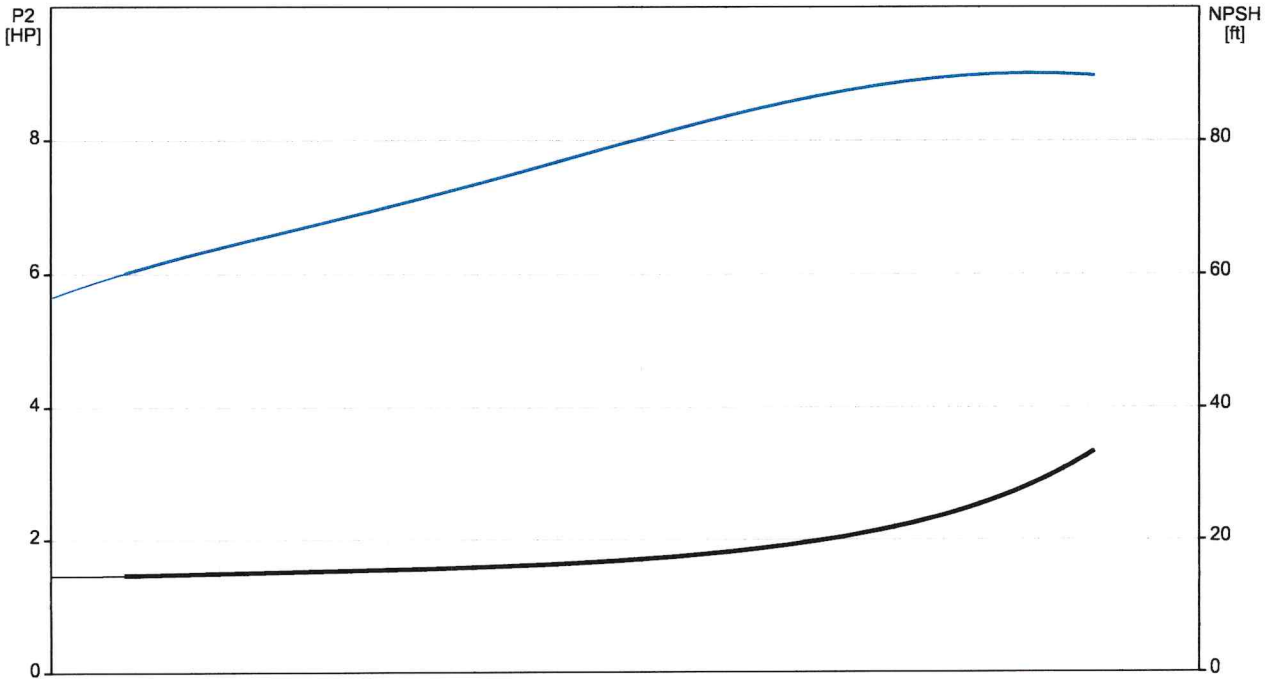
Company name:
Created by:
Phone:

Date: 12/10/2026

93040590 90S100-8 60 Hz



Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³

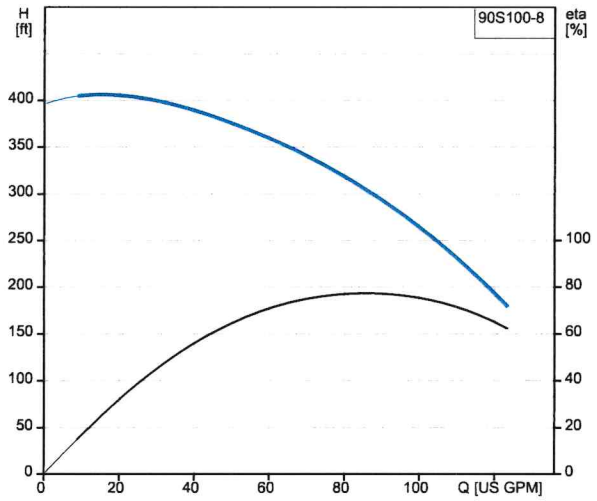


GRUNDFOS

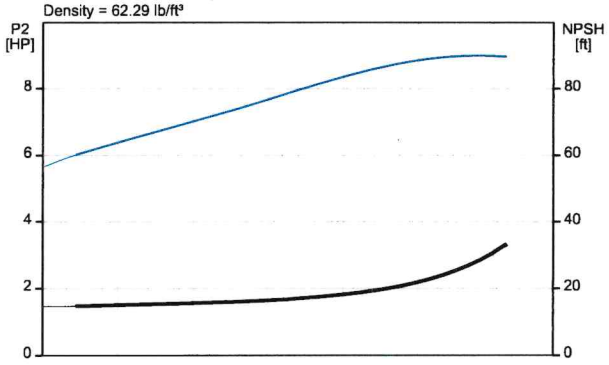
Company name:
Created by:
Phone:

Date: 12/10/2026

Description	Value
General information:	
Product name:	90S100-8
Product No:	93040590
EAN number:	5715123379937
Price:	
Technical:	
Pump speed on which pump data are based:	3450 rpm
Rated flow:	96.9 US GPM
Rated head:	278.9 ft
Stages:	8
Number of reduced-diameter impellers:	NONE
Approvals:	CULDWUS,CCSAUS
Approvals for drinking water:	PROP65
Curve tolerance:	ISO9906:2012 3B
Model:	A
Pump type:	SP18
Return valve:	YES
Materials:	
Pump:	Stainless steel EN 1.4301 AISI 304
Impeller:	Stainless steel EN 1.4301 AISI 304
Installation:	
Maximum operating pressure:	870.23 psi
Maximum outlet pressure:	187.1 psi
Type of connection:	NPT(F)
Size of connection:	3 inch
Motor diameter:	6 inch
Minimum borehole diameter:	5.71 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	5 .. 140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor flange design:	Grundfos
Power (P2) required by pump:	10 HP
Cable number:	N/A
Others:	
DOE Pump Energy Index CL:	0.84
Net weight:	33.7 lb
Gross weight:	39.5 lb
Shipping volume:	1.13 ft³
Country of origin:	US
Custom tariff no.:	8413.70.2004



Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³

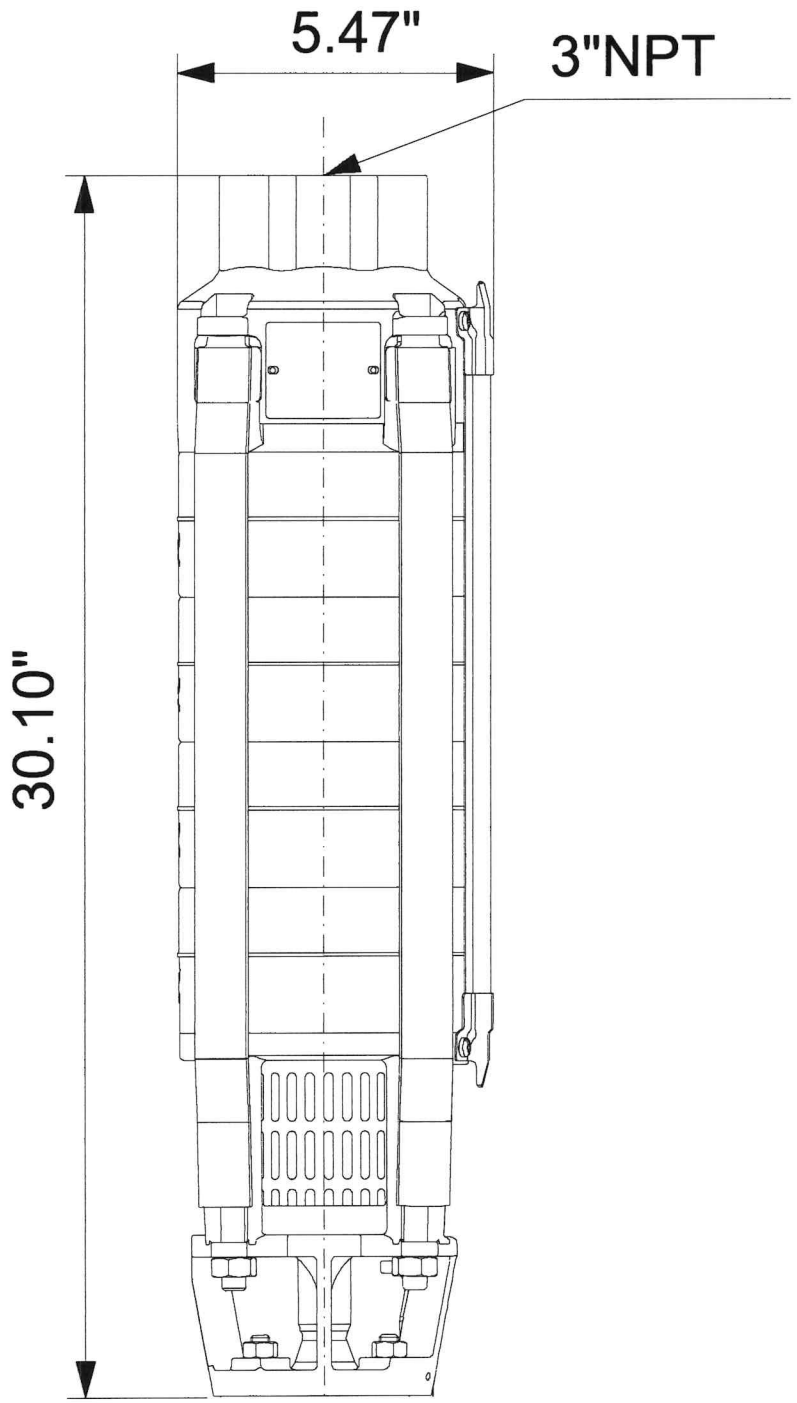


GRUNDFOS

Company name:
Created by:
Phone:

Date: 12/10/2026

93040590 90S100-8 60 Hz



Note! All units are in [in] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

GRUNDFOS

Company name:
Created by:
Phone:

Date: 12/10/2026

Attachment E

Sprinkler Specifications

30H / 30WH

3/4" (19mm) Full Circle, Brass Impact Sprinkler

- Heavy duty brass construction
- Stainless steel springs and fulcrum pin
- Chemically resistant washers

Features

- Dual nozzle ports
- 30H unit does not have a spreader plug
- 30WH unit has spreader plug

Benefits

- Wide range of flow rates
- Corrosion and grit resistant
- Built to last
- Five-year Customer Satisfaction Policy

Specifications

- Bearing: 3/4" (19mm) Male NPT, Brass
- Trajectory Angle: 27°
- Operating Range: 25-80 psi (1.7-5.5 bar)
- Flow Rate: 2.9-13.1 gpm (0.66-2.98 m3/h)
- Radius: 40-56 ft. (12.20-17.23 meters)
- Nozzle Port: 1/8" Female NPT
- Spreader Nozzle Port: 1/8" Female NPT



Brass Straight Bore Nozzle (SBN-3) with Plug Performance*

	NOZZLE SIZE (Stream Height: 9 ft.)							
	9/64"		5/32"		11/64"		3/16"	
psi@ Nozzle	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	40	2.90	41	3.50	41	4.30	42	5.10
30	40	3.10	42	3.90	44	4.70	45	5.60
35	41	3.40	43	4.20	45	5.10	47	6.00
40	41	3.60	44	4.50	46	5.40	48	6.40
45	42	3.80	44	4.70	46	5.70	49	6.80
50	42	4.10	45	5.00	47	6.10	50	7.20
55	43	4.20	45	5.20	48	6.30	50	7.60
60	43	4.40	46	5.50	48	6.60	51	7.90
65	44	4.60	46	5.80	49	6.90	51	8.20
70	44	4.80	47	5.90	49	7.20	52	8.50
75	45	5.00	47	6.10	50	7.40	52	8.80
80	45	5.10	48	6.30	50	7.70	53	9.10

Brass Straight Bore Nozzle (SBN-3) with Spreader (LAN-1) Performance*

	NOZZLE SIZE (Stream Height: 9 ft.)									
	9/64" x 3/32-7°		5/32" x 3/32-7°		11/64" x 3/32-7°		3/16" x 3/32-7°		3/16" x 1/8-20°	
psi@ Nozzle	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	40	4.20	41	4.80	41	5.60	42	6.40	42	7.40
30	40	4.60	42	5.30	44	6.10	45	7.00	45	8.10
35	41	4.90	43	5.70	45	6.60	47	7.50	47	8.70
40	41	5.20	44	6.10	46	7.00	48	8.10	48	9.30
45	42	5.60	44	6.50	46	7.40	49	8.50	49	9.90
50	42	5.90	45	6.80	47	7.90	50	9.00	50	10.40
55	43	6.10	45	7.10	48	8.20	50	9.40	50	10.90
60	43	6.40	46	7.40	48	8.60	51	9.90	51	11.40
65	44	6.70	46	7.80	49	8.90	51	10.20	51	11.80
70	44	6.90	47	8.10	49	9.30	52	10.70	52	12.30
75	45	7.20	47	8.30	50	9.60	52	11.00	52	12.70
80	45	7.50	48	8.70	50	10.00	53	11.50	53	13.10

Brass Straight Bore Nozzle with Vane (SBN-3V) with Plug Performance*

	NOZZLE SIZE (Stream Height: 10 ft.)							
	9/64"		5/32"		11/64"		3/16"	
psi@ Nozzle	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	42	2.90	44	3.50	45	4.30	48	5.10
30	43	3.10	45	3.90	46	4.70	47	5.60
35	44	3.40	46	4.20	47	5.10	49	6.00
40	45	3.60	47	4.50	48	5.40	50	6.40
45	46	3.80	48	4.70	49	5.70	52	6.80
50	46	4.10	49	5.00	50	6.10	53	7.20
55	47	4.20	50	5.20	51	6.30	53	7.60
60	47	4.40	50	5.50	51	6.60	54	7.90
65	48	4.60	51	5.80	52	6.90	55	8.20
70	48	4.80	51	5.90	53	7.20	55	8.50
75	49	5.00	52	6.10	54	7.40	56	8.80
80	50	5.10	52	6.30	55	7.70	56	9.10

Brass Straight Bore Nozzle with vane (SBN-3v) with Spreader (LAN-1) Performance*

	NOZZLE SIZE (Stream Height: 10 ft.)									
	9/64" x 3/32-7°		5/32" x 3/32-7°		11/64" x 3/32-7°		3/16" x 3/32-7°		3/16" x 1/8-20°	
psi@ Nozzle	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)	Rad. (ft.)	Flow (gpm)
25	42	4.20	44	4.80	45	5.60	45	6.40	46	7.40
30	43	4.60	45	5.30	46	6.10	47	7.00	47	8.10
35	44	4.90	46	5.70	47	6.60	49	7.50	49	8.70
40	45	5.20	47	6.10	48	7.00	50	8.10	50	9.30
45	46	5.60	48	6.50	49	7.40	52	8.50	52	9.90
50	46	5.90	49	6.80	50	7.90	53	9.00	53	10.40
55	47	6.10	50	7.10	51	8.20	54	9.40	54	10.90
60	47	6.40	50	7.40	51	8.60	54	9.90	54	11.40
65	48	6.70	51	7.80	52	8.90	55	10.20	55	11.80
70	48	6.90	51	8.10	53	9.30	55	10.70	55	12.30
75	49	7.20	52	8.30	54	9.60	56	11.00	56	12.70
80	50	7.50	52	8.70	55	10.00	56	11.50	56	13.10

* **Nozzles must be purchased separately.** See chart below.

Item Numbers and Ordering Information

Sprinkler Only		
Sprinkler Without Nozzle, Without Plug	30H	A08401
Sprinkler without Nozzle, With Plug	30WH	A08411

Nozzle Only			XX = Nozzle Size						
		U.S. Standard	3/32"	7/64"	1/8"	9/64"	5/32"	11/64"	3/16"
		Metric	2.38mm	2.78mm	3.18mm	3.57mm	3.97mm	4.37mm	4.76mm
Brass Straight Bore Nozzle	SBN-3	105842-XX	–	–	–	09	10	**11**	12
Brass Straight Bore Nozzle with Vane	SBN-3V	106131-XX	–	–	–	09	10	**11**	12
Brass 7° Low Angle Spreader	LAN-1-7	100225-XX	**06**	07	08	09	10	–	–
Brass 20° Low Angle Spreader	LAN-1-20	100226-XX	06	07	**08**	09	10	–	–
Brass Plug		100255							

Bold nozzle size number denotes the most common nozzle choice.

Attachment F

Documentation of Ownership and Signing Authority

CERTIFICATION OF TRUST
MCINTYRE JONES TRUST

The undersigned **Arden Hoffman,** and **Claire Conway**, as Co-Trustees ("Co-Trustees") of the **McIntyre Jones Trust** (the "Trust"), dated September 1, 2026, do hereby certify that:

1. Arden Hoffman and Claire Conway (the "Settlors"), created the Trust by an instrument dated September 1, 2026, by agreement between Arden Hoffman and Claire Conway as Settlors and Co-Trustees. This instrument constitutes the valid governing document of the Trust. The Trust currently exists.

2. The current acting Co-Trustees of the Trust are Arden Hoffman and Claire Conway. The Trust's address and principal place of administration are 7957 Farm to Market Road, Whitefish, Montana 59937.

3. The original Trust instrument is maintained by Arden Hoffman and Claire Conway.

4. The trust instrument grants to the Co-Trustees all powers granted to Trustees under Montana law, including the powers, in the Co-Trustees' discretion, to buy, hold, administer and transfer trust property, whether real or personal. The trust instrument provides that the Co-Trustees may independently exercise all powers and authority granted to Trustees by Montana law while the Co-Trustees are alive and have capacity. The Co-Trustees do not have to act jointly.

5. The Settlors may revoke or amend the Trust while they are alive and have capacity.

6. The principal place of administration of the Trust is the state of Montana.

7. The undersigned certify that they have not been removed or resigned as Co-Trustees and have authority to act for and bind the Trust in the transaction of business on behalf of the Trust.

8. Excerpts of the pertinent provisions reflecting the designation of trustees, execution of the trust, and the Co-Trustees' authority to act are as follows:

20.. **Powers of Trustee**. The Trustee of all trusts created by this Trust shall have the powers granted by the Montana Trust Code, as it now exists and as later amended. The Trustee may delegate any of their powers so long as such delegation is in writing signed by that Trustee, such as in a power of attorney. As to any real estate in a state other than Montana, the Trustee shall also have the powers granted to trustees under the laws of each such state. If any of those laws and the laws of Montana conflict regarding real property, the laws that are least restrictive to the Trustee shall govern with regard to that property.

23. **When Co-Trustees May Act Alone**. When we are the Co-Trustees either of us may act alone on behalf of the Trust, and any action taken by either of us shall be binding on the other of us as Co-Trustee, on the Trust and all parties affected by the action to the same extent and effect as if both of us had acted. The signature of only one of us as Co-Trustee is necessary to transact business on behalf of the Trust.

However, the action by a majority of Co-Trustees is required for any Co-Trustees other than us to transact business on behalf of the Trust.

24. **Successor Trustee**. If either of us fails or ceases to act as Co-Trustee, the other of us shall continue as the sole Trustee. If both of us resign, or otherwise fail or cease to act as Trustee, we appoint KIMBERLY SMITH as successor Trustee. Except as otherwise provided, all references in this Agreement to "the Trustee" likewise refer and apply to the successor Trustee(s).

9. These excerpts may have been partially redacted to preserve the confidential nature of the Trust's provisions.

10. The undersigned certify that the Trust has not been revoked, modified, or amended in any manner that would cause the representations contained in this Certification of Trust to be incorrect.

11. This Certification of Trust is provided pursuant to Mont. Code Ann. § 72-38-1013 (2025), which provides, in part, that "A person who in good faith enters into a transaction in reliance upon a certification of trust may enforce the transaction against the trust property as if the representations contained in the certification were correct," and that "A person making a demand for the trust instrument in addition to a certification of trust or excerpts is liable for damages if the court determines that the person did not act in good faith in demanding the trust instrument."

Dated: September 1, 2026.

Arden Hoffman, Co-Trustee

Claire Conway, Co-Trustee

STATE OF MONTANA)
: ss
County of Flathead)

Acknowledged before me by **Arden Hoffman** and **Claire Conway**, on September 1, 2026.

GRANT S. SNELL NOTARIAL SEAL STATE OF MONTANA

GRANT S. SNELL
NOTARY PUBLIC
for the State of Montana
Residing at Kalispell, Montana
My Commission Expires
May 29, 2029

Notary Public Signature

202600019866
Page: 1 of 2
Fees: $30.00
Debbie Pierson, Flathead County MT by MLN 9/2/2026 1:29 PM

Upon Recording Return and Mail Tax Notices to:
McIntyre Jones Trust
7957 Farm to Market Road
Kalispell, Montana 59901

Approved 09/02/2026 md 0016743

GRANT DEED

For Ten Dollars ($10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, **Arden Hoffman** and **Claire Conway**, of 7957 Farm to Market Road, Whitefish, Montana 59937 ("Grantor"), do hereby grant, bargain, sell and convey to the **McIntyre Jones Trust, dated September 1, 2026**, of 7957 Farm to Market Road, Whitefish, Montana 59937 ("Grantee"), the following described real property located in the County of Flathead, State of Montana, and more particularly described as follows:

SEE EXHIBIT A

SUBJECT TO any and all easements, covenants, reservations, conditions, restrictions, rights, and rights of way of record.

TOGETHER WITH all appurtenances thereto belonging or in anywise appertaining, TO HAVE AND TO HOLD unto the Grantee and the Grantee's heirs and assigns, forever.

Dated: September 1, 2026.

Arden Hoffman

Claire Conway

STATE OF MONTANA)
: ss
County of Flathead)

This instrument was acknowledged before me on September 1, 2026, by **Arden Hoffman** and **Claire Conway**.

GRANT S. SNELL NOTARIAL SEAL STATE OF MONTANA

GRANT S. SNELL
NOTARY PUBLIC
for the State of Montana
Residing at Kalispell, Montana
My Commission Expires
May 29, 2029

Notary Public Signature

202600019866
Page: 2 of 2
Fees: $30.00
9/2/2026 1:29 PM

EXHIBIT A

Tract 3 of Certificate of Survey No. 21901, situated, lying and being in the South Half of the Southeast Quarter and the Southeast Quarter of the Southwest Quarter of Section 14, and in the Northwest Quarter of the Northeast Quarter and the Northeast Quarter of the Northwest Quarter of Section 23, all in Township 31 North, Range 23 West, P.M.M., Flathead County, Montana.

Commonly known as 7957 Farm to Market Road, Whitefish, Montana 59937

By: SANDS SURVEYING, Inc.
2 Village Loop
Kalispell, MT 59901
(406) 755-6481

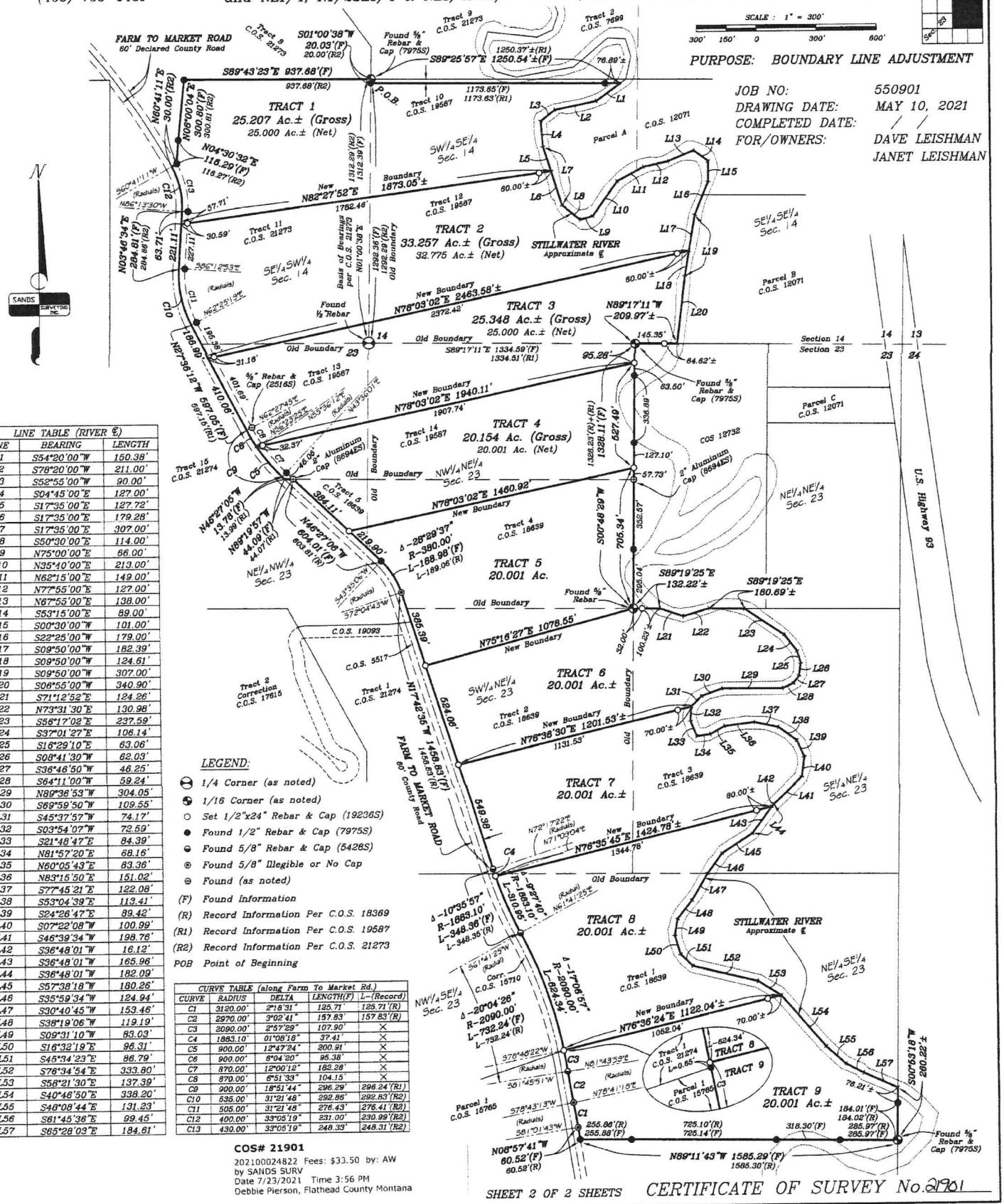
CERTIFICATE OF SURVEY

In S1/2SE1/4 & SE1/4SW1/4 SEC. 14,
and NE1/4, N1/2SE1/4 & NE1/4NW1/4 SEC. 23, T.31N., R.23W., P.M.,M., FLATHEAD CO., MT

SCALE : 1" = 300'
300' 150' 0 300' 600'

PURPOSE: BOUNDARY LINE ADJUSTMENT

JOB NO: 550901
DRAWING DATE: MAY 10, 2021
COMPLETED DATE: / /
FOR/OWNERS: DAVE LEISHMAN
JANET LEISHMAN


FARM TO MARKET ROAD
60' Declared County Road
TRACT 1
25.207 Ac.± (Gross)
25.000 Ac.± (Net)
TRACT 2
33.257 Ac.± (Gross)
32.775 Ac.± (Net)
STILLWATER RIVER
Approximate ℄
TRACT 3
25.348 Ac.± (Gross)
25.000 Ac.± (Net)
TRACT 4
20.154 Ac. (Gross)
20.001 Ac. (Net)
TRACT 5
20.001 Ac.
TRACT 6
20.001 Ac.±
TRACT 7
20.001 Ac.±
TRACT 8
20.001 Ac.±
TRACT 9
20.001 Ac.±
P.O.B.
Found ⅝" Rebar & Cap (7975S)
Found ½" Rebar
⅝" Rebar & Cap (2516S)
2" Aluminum Cap (8694ES)
Found ⅝" Rebar
Found ⅝" Rebar & Cap (7975S)
Found ⅝" Rebar & Cap (7975S)
Old Boundary
New Boundary
Section 14
Section 23
U.S. Highway 93
Parcel A C.O.S. 12071
Parcel B C.O.S. 12071
Parcel C C.O.S. 12071
Parcel 1 C.O.S. 15765
Tract 1 C.O.S. 18639
Tract 2 C.O.S. 18639
Tract 3 C.O.S. 18639
Tract 4 C.O.S. 18639
Tract 1 C.O.S. 21274
Tract 2 Correction C.O.S. 17815
Tract 9 C.O.S. 21273
Tract 10 C.O.S. 19587
Tract 11 C.O.S. 21273
Tract 12 C.O.S. 19587
Tract 13 C.O.S. 19587
Tract 14 C.O.S. 19587
Tract 15 C.O.S. 21274
Tract 2 C.O.S. 7699
C.O.S. 19099
C.O.S. 5517
C.O.S. 12732
C.O.S. 15710
SW1/4SE1/4 Sec. 14
SE1/4SW1/4 Sec. 14
SE1/4SE1/4 Sec. 14
NW1/4NE1/4 Sec. 23
NE1/4NE1/4 Sec. 23
SW1/4NE1/4 Sec. 23
NW1/4SE1/4 Sec. 23
SE1/4NE1/4 Sec. 23
Basis of Bearings per C.O.S. 21273
S01°00'38"W 20.03'(F) 20.00'(R2)
S89°25'57"E 1250.54'±(F)
1250.37'±(R1)
S89°43'23"E 937.68'(F)
937.68'(R2)
N00°00'00"E 300.80'(F) 300.81'(R2)
N60°41'11"E 30.00'(R2)
N04°30'32"E 116.29'(F) 116.27'(R2)
N82°27'52"E 1762.48'
1873.05'±
N01°00'38"W 1292.29'(R2) 1292.96'(F)
N03°46'34"E 284.81'(F) 284.89'(R2)
N27°56'12"W 597.05'(F) 597.16'(R1)
N78°03'02"E 2463.58'±
2372.42'
N78°03'02"E 1940.11'
1907.74'
N78°03'02"E 1460.92'
N89°17'11"W 209.97'±
S89°17'11"E 1334.59'(F) 1334.51'(R1)
N75°16'27"E 1078.55'
N76°36'30"E 1201.53'±
1131.53'
N76°35'45"E 1424.78'±
1344.78'
N17°42'35"W 1458.83'(F) 1458.83'(R)
S00°46'29"W 705.94'
S89°19'25"E 132.22'±
S89°19'25"E 180.69'±
N76°36'24"E 1122.04'±
1052.04'
S00°46'29"W 2222.80'±
S08°57'41"E 60.52'(F) 60.52'(R)
N89°11'43"W 1585.29'(F) 1585.30'(R)
Δ=25°29'37" R=380.00' L=188.98'(F) L=189.06'(R)
Δ=10°35'57" R=1863.10' L=348.36'(F) L=348.36'(R)
Δ=9°27'40" R=1863.10' L=310.65'
Δ=17°06'57" R=2090.00' L=624.34'
Δ=20°04'26" R=2090.00' L=732.24'(F) L=732.24'(R)
R=2090.00' L=624.34'
Tract 1 C.O.S. 21274 L=0.65'
Tract 1 C.O.S. 18639
Tract 1 C.O.S. 15765
Tract 1 C.O.S. 15765
Tract 1 C.O.S. 15765

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

Water Resources Division – Kalispell Regional Office
655 Timberwolf Pkwy, Ste. 4
Kalispell, MT 59901-1215
(406) 752-2288
DNRCKalispellWater@mt.gov

May 1, 2026

ARDEN HOFFMAN & CLAIRE CONWAY
22 HILLS LOOKOUT CT
WHITEFISH MT 59937-7519

Subject: Completed Technical Analyses Report for Change Preapplication No. 76LJ 30171782

Dear Applicant's,

As designated on the submitted Preapplication Meeting Form per §85-2-302(3)(b), MCA, the Department of Natural Resources and Conservation (Department) has completed the technical analyses for Change Preapplication No. 76LJ 30171782 based on the information provided in your Preapplication Meeting Form accepted by the Department on March 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 §85-2-402, MCA if you submit a Form 606 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 in §85-2-402, MCA.

You have 180 days to submit the Water Right Change Application Form 606 considering the information provided in the technical analyses and Preapplication Meeting Form. If the Application Form is not submitted to the Kalispell Regional Office by October 28, 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 contact me at (406) 752-2735 or Abigail.Williams@mt.gov if you have any questions about the application process.

Sincerely,

Abigail Williams
Water Resource Specialist
Kalispell Regional Office

Encl.: Surface Water Change Technical Analyses Report for Change Preapplication No. 76LJ 30171782

Cc via email: Jamie Graham, Water and Environmental Technologies

Surface Water Change Technical Analyses Report – Part A

Department of Natural Resources and Conservation (DNRC/ Department)
Water Resources Division
Abigail Williams, Water Resource Specialist , Kalispell Regional Office

Applicant	Claire Conway and Arden Hoffman
Application No.	76LJ 30171782
Proposed Point of Diversion	SWSESE Section 14, Township 31N, Range 23W, Flathead County, Montana

Overview

This report is Part A of a two-part publication which 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 § 85-2-402 Montana Code Annotated (MCA).

This Surface Water Change Technical Analyses Report – Part A contains the following sections:

Surface Water Change Technical Analyses Report – Part A 1
Overview 1
1.0 Application Details 2
2.0 Historical Use Technical Analysis 5
2.1 Historical Field Consumed and Applied Volumes 5
2.2 Historical Conveyance Losses 8
2.3 Historical Diverted Volume 8
2.4 Summary of Historical Use 9
3.0 Analysis of Impacted Surface Water Sources 9
3.1 Summary of Proposed Use 9
3.2 Impacted Surface Water Sources 12
Review 13
References 13

1.0 Application Details

The Applicant proposes to change the place of use (POU) and the point of diversion (POD) for 76LJ 30174766 and 76LJ 30174762. The historical elements for the Provisional Permit (76LJ 30174762) and Statement of Claim (76LJ 30174766) in this change application are in **Table 1** below. The Applicant proposes to add a new permanent POD on the Stillwater that will coney water for both water rights and the Applicants will be the sole user of the new POD. The new POD is located in the SWSESE Section 14, Township 31N, Range 23W, Flathead County which is downstream of the historic POD for 76LJ 30174766 and upstream of the historic POD for 76LJ 30174762.

The Applicant proposes to retire 0.9 acres from the historical place of use from Provisional Permit 76LJ 30174762 and to shift 2.15 acres from the historic POU to the new POU in the S2SWSE Section 14, Township 31N, Range 23W Flathead County. The Claim 76LJ 30174766 will irrigate its historical footprint plus the historical area from the Permit and the new 2.15 acres. The Permit will irrigate 10.88 in its historical footprint plus the historical area from the Claim and the new 2.15 acres. The proposed places of use are located in the N2NWNE and NENENW of Section 23, Township 31N, Range 23W and the SESESW and SWSWSE of Section 14, Township 31N, Range 23W, Flathead County. The project is in Flathead County, and the source is the Stillwater River.

Table 1: Water Right(s) Proposed for Change

Water Right Number	Flow Rate (GPM)	Volume (AF)	Purpose	Period Of Use	Place Of Use	Point(s) Of Diversion	Priority Date
76LJ 30174762	650	Historical Use Statement	Irrigation	4/1 – 9/30	N2NWNE and NENENW of Section 23, Township 31N, Range 23W, Flathead County	NWSENE Section 23, Township 31N, Range 23W	9/23/2003
76LJ 30174766	2,500	Historical Use Statement	Irrigation	4/1 – 9/30	SESESW and SWSWSE of Section 14, Township 31N, Range 23W, Flathead County	NWNWSE Section 14, Township 31N, Range 23W	4/14/1973

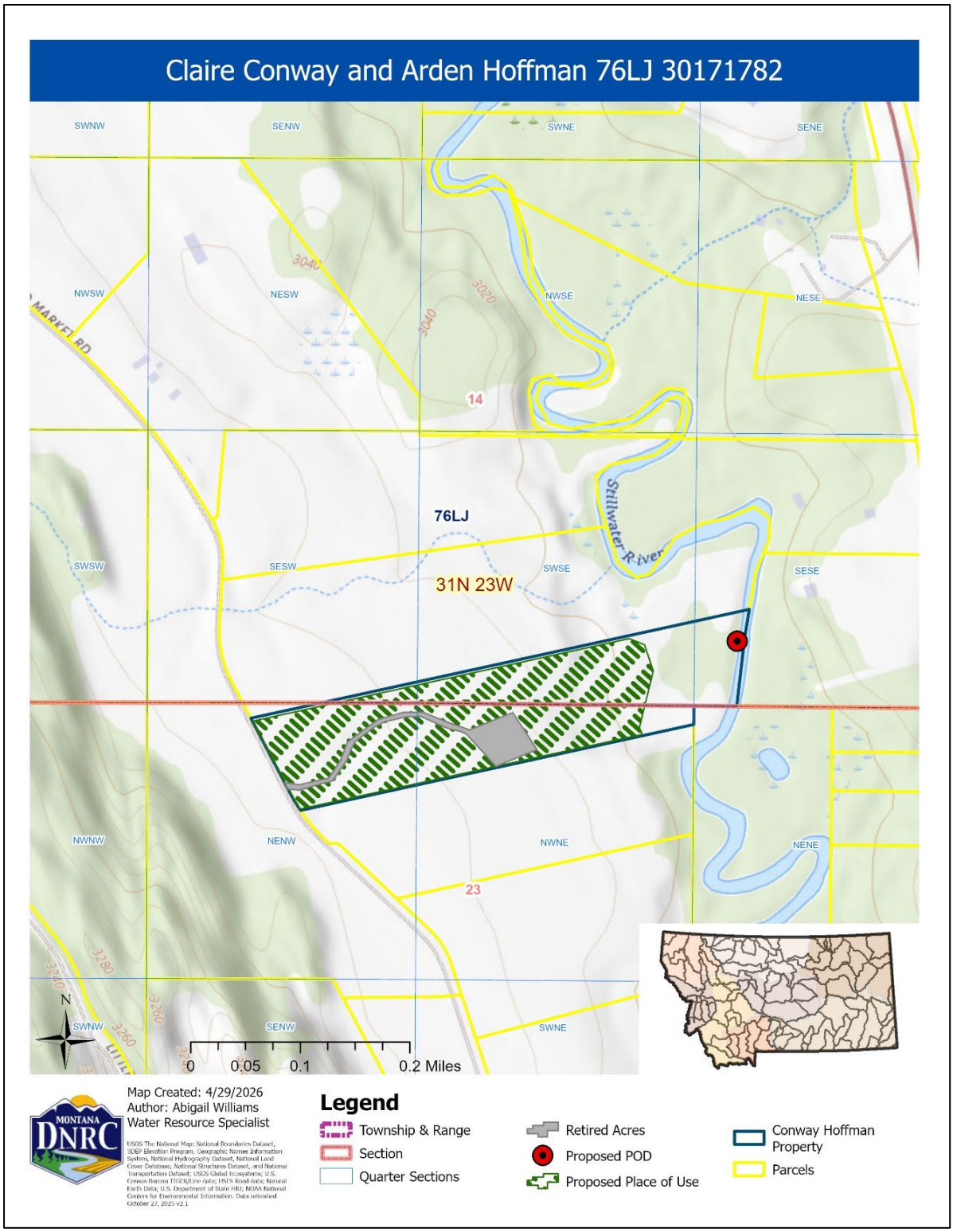


Figure 1: Map of the Applicant's proposed new POD on the source and proposed place of use.

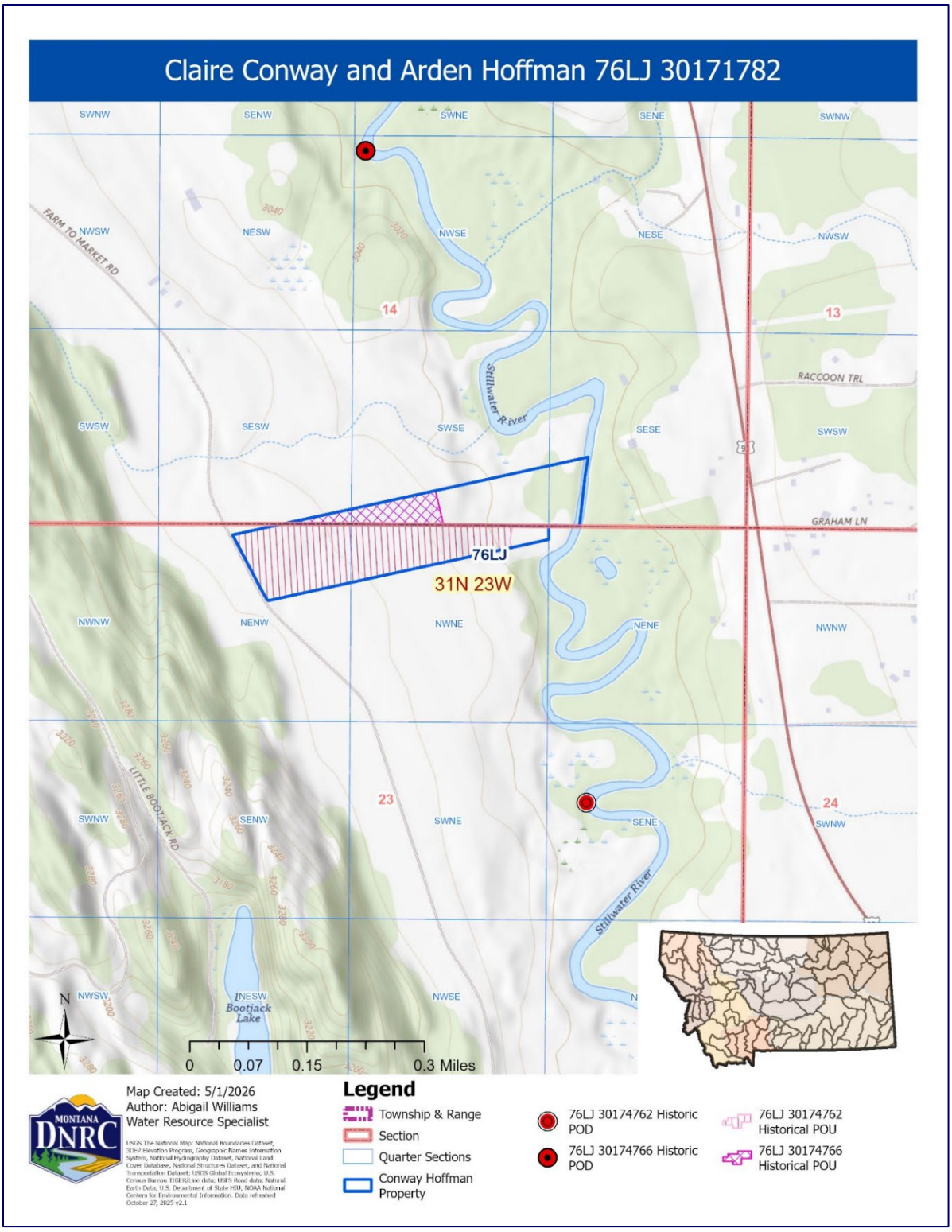


Figure 2: Historical use for Change Application 76LJ 30171782

2.0 Historical Use Technical Analysis

2.1 Historical Field Consumed and Applied Volumes

The consumed volume for irrigation is based on the net irrigation requirement (NIR) from USDA Natural Resources Conservation Service Irrigation Water Requirements (IWR) at a representative weather station. The NIR is multiplied by a county-wide management factor (from ARM 36.12.1902) to produce an adjusted NIR representative of actual crop yields in Montana. Crop consumption is determined by multiplying the adjusted NIR by the number of acres of irrigation. Crop consumption is then divided by the field efficiency identified from the irrigation method and ARM 36.12.115 to determine the field applied volume. Irrecoverable losses (IL) are 5% of the field applied volume for flood irrigation or 10% for sprinkler irrigation. The total consumed volume for irrigation is the crop consumption plus irrecoverable losses. The total non-consumed volume is the field applied volume minus the irrigation total consumed volume.

Claim 76LJ 9218-00 was originally claimed for surface water irrigation from the Stillwater River of 291 acres in the SESE and E2SWSE Section 10, the S2SWSW Section 11, the NW, S2SWSE, and SW of Section 14, and the E2NE and N2NESE Section 15 in Township 31N, Range 23W Flathead County. Historical information and imagery were provided with the preapplication meeting form showing irrigation for a total of 291 acres that were historically irrigated with handline and wheel line sprinklers. The split portion of the claim going through the change, 76LJ 30174766, has 3.4 acres historically irrigated in the SESESW and SWSWSE Section14, Township 31N, Township 23W, Flathead County. The Department used the following images to determine the maximum acres in the historical POU:

- Photo 279-141, dated July 22, 1980 shows a maximum acreage of 3.4 acres
- Applicant supplied map from 1974 shows 3.89 acres were found, however, based upon a comment to the water right split proceeding, the applicant has agreed to reduce total historical acreage to 3.4 and remove the most eastern portion of the originally claimed acreage.
- Water Right Survey imagery from 1961 shows that the area was undergoing clearing while portions were showing irrigation taking place

The historic photo dated 1980 shows a total of 3.4 acres irrigated and corroborates the applicant supplied map dated 1974 that irrigation was being done at the time claimed. The 1961 historical photograph shows less acreage but confirms that the area was being irrigated and developed for additional irrigation at that time. Since the Department found a maximum of 3.4 acres, and that is the acres agreed upon during the water right split proceeding, the Department will conduct its historical use analysis using 3.4 historically irrigated acres for 76LJ 30174766.

Claim 76LJ 30174766 was historically irrigated by a pump placed into the Stillwater River in the NWNWSE Section 14, Township 31N, Range 23W, Flathead County. The diverted water was conveyed to the place of use via a 6-inch diameter pipe, although at times a 10-inch diameter pipe was used for the conveyance, at a flow rate of 2,500 gallons per minute (GPM) from May 1 to September 30 for irrigation use. The estimated capacity of the pump is 2,500 GPM.

Permit 76LJ 30008069 was originally permitted for surface water irrigation on September 23, 2003 for 170 acres in the NE, N2SE and E2NW Section 23, Township 31N, Range 23W, Flathead County. Historical information and imagery were provided with the preapplication meeting showing a total of 170 acres that were historically irrigated with hand line sprinklers. The split portion of the parent water right going through the change, 76LJ 30174762, has 13.93 historically irrigated acres in the N2NWNE and NENENW Section 23, Township 31N, Range 23W, Flathead County. The Department used the following images to determine the maximum acres in the historical POU:

- Google Earth Imagery dated 12/31/2003 showing full irrigation of the 19.93 acres
- Applicant supplied map from 2011 shows a maximum acreage of 13.93
- 2005 NAIP Imagery shows 12.09 acres of active irrigation with the remaining not active under irrigation.
- Applicants map submitted on original Application

The historic photo dating back to 2005 shows a total of 13.39 acres irrigated and corroborates the Applicant supplied map dated 2011 that showed irrigation being done after the verification. The land appears to be irrigated in crop rotations leading to some aerial photographs only have partial irrigation shown but when compared to the applicant file and google earth imagery on years NAIP imagery was unavailable, the full 13.93 acres were irrigated. The irrigation of the land was corroborated by Google Earth Imagery dated August 2006 showing full irrigation of the claimed acres during the period of use. Since the Department found a maximum of 13.93 acres, and that is the acres agreed upon in the water right split proceedings, the Department will conduct its historical use analysis using 13.93 historically irrigated acres for 76LJ 30174762.

Permit 76LJ 30174762 was historically irrigated by a pump placed into the Stillwater River in the NWSENE Section 23, Township 31N, Range 23W, Flathead County. The diverted water was conveyed through a 10-inch diameter pipe to the place of use at a rate of 650 GPM from May 1 to September 30 for irrigation with a sprinkler handline.

The total historical consumptive volume (HCV) for the water rights associated with this change applications is 24.2 acre-feet (AF) with 19.73 AF coming from Permit 76LJ 30174762 and 4.46 AF coming from Claim 76LJ 30174766. The Department calculated this historical consumptive volume using the Department's standard methodology, pursuant to ARM 36.12.1902. Two water rights are being changed; the Statement of claim will be evaluated for its historical use as the right existed prior to July 1, 1973, and the Provisional Permit will be evaluated for its historical use at the date of project completion, December 21, 2004. The consumed volume for irrigation is based on the net irrigation requirement (NIR) from USDA Natural Resources Conservation Service Irrigation Water Requirements (IWR) at a representative weather station. The IWR is multiplied by a county-wide management factor (from ARM 36.12.1902) to produce an adjusted IWR representative of actual crop yields in Montana. Crop consumption is determined by multiplying the adjusted IWR by the number of acres of irrigation. Crop consumption is then divided by the field efficiency identified from the irrigation method identified in ARM 36.12.115. Irrecoverable losses (IL) are 10% of the field applied volume for sprinkler irrigation. The total consumed volume for irrigation is the crop consumption plus irrecoverable losses. The total non-consumed volume is the field applied volume minus the total consumed volume. Values seen in tables were

calculated using the Department standard Irrigation and Conveyance Loss Calculator and may differ slightly due to rounding.

The historical consumptive volume for the historical place of use was found using the following equations and information:

$$HCV = Crop\ Consumption + Historic\ Irrecoverable\ Losses$$

$$Crop\ Consumption = Whitefish * \frac{1ft}{12inches} * Flathead\ County\ Management\ Factor * Historic\ Acres$$

$$Historic\ Irrecoverable\ Losses = Field\ Applied * IL\%$$

Crop Consumptive Use

Whitefish Weather Station 76LJ 30174762: 15.74 in
Flathead County Management Factor (pre-July 1, 1973): 87.6%
Flathead County Management Factor (post-July 1, 1973): 94.5%

Water Applied to Field

Sprinkler (Wheel line / Handline) Field Efficiency: 10%

Irrecoverable Losses

76LJ 30174762: 10% for sprinkler irrigation
Irrecoverable losses = 10% x 24.67 = 2.47
76LJ 30174766: 10% for sprinkler irrigation
Irrecoverable losses = 10% x 5.58 = 0.56

Total Historical Consumptive Use

76LJ 30174762 total = crop consumptive use + irrecoverable losses = 19.73
76LJ 30174766 total = crop consumptive use + irrecoverable losses = 4.46

The historical consumed and field applied volumes have been calculated with the inputs shown in **Table 2** following the methods described above and in ARM 36.12.1902.

Table 2: Historical consumptive use of historical place of use

Irrigation Method	Acres	IWR (in)[1]	Mgmt. Factor[2]	Field Efficiency	Crop Consumption (AF)	Field Applied Volume (AF)	IL (AF)	Total Irrigation Consumed Volume (AF)	Non-Consumed Volume (AF)
Sprinkler (Handline & Wheel line)	13.93	15.74	0.94	0.7	17.27	24.67	2.47	19.73	4.93
Sprinkler (Handline & Wheel line)	3.4	15.74	0.88	0.7	3.91	5.58	0.56	4.46	1.12
Total	17.33	-	-	-	21.17	30.25	3.02	24. 2	6.05

[1]Whitefish IWR Weather Station
[2]Flathead County Historical Use Management Factor (post-July 1, 1973, pre-July 1, 1973)

Table 3: Historical consumptive use for the water rights proposed for change

Water Right No.	Historical Crop Consumption (AF)	Historical Applied Volume (AF)	Historical Consumed Volume (AF)
76LJ 30174762	17.27	24.67	19.73
76LJ30174766	3.91	5.58	4.46
Total	**21.17**	**30.25**	**24.2**

2.2 Historical Conveyance Losses

There are no historical conveyance losses considered for the historical use of Statement of Claim 76LJ 30174766 and Provisional Permit 76LJ 30174762 because the historical means of conveyance is closed pipe.

2.3 Historical Diverted Volume

Per ARM 36.12.1902(10), the historically diverted volume is equal to the sum of the historical field application volume and historical conveyance loss volume. **Table 4** below summarizes the historical field applied and historical consumed loss volumes.

Table 4: Historical Diverted Volume of 76LJ 30174762 and 76LJ 30174762.

Water Right No.	Historical Consumptive Volume (AF)	Historical Field Applied Volume (AF)	Historical Diverted Volume (AF)
76LJ 30174762	4.46	5.58	5.58
76LJ 30174766	19.73	24.67	24.67
Total	**24.2**	**30.25**	**30.25**

2.4 Summary of Historical Use

The Department will consider the following values when evaluating the historical use of 76LJ 30174762 and 76LJ 30174766 for the adverse effect criterion:

Table 5: Summary of historical use of 76LJ 30174762 and 76LJ 30174766

Water Right No.	Historical Purpose	Maximum Historical Acres	Historical Place of Use	Historical Point of Diversion	Maximum Historical Flow Rate (GPM)	Historically Consumed Volume (AF)	Historically Diverted Volume (AF)
76LJ 30174762	Irrigation	13.93	N2NWNE and NENENW of Section 23, Township 31N, Range 23W, Flathead County	NWSENE Section 23, Township 31N, Range 23W	650	19.73	24.67
76LJ 30174766	Irrigation	3.4	SESESW and SWSWSE of Section 14, Township 31N, Range 23W, Flathead County	NWNWSE Section 14, Township 31N, Range 23W	2,500	4.46	5.58

3.0 Analysis of Impacted Surface Water Sources

3.1 Summary of Proposed Use

The Applicant proposes to change the POD and POU for Claim 76LJ 30174766 and Permit 76LJ 30174762. Through the proposed change the Applicants will add a new POD located in the SWSESE Section 14, Township 31N, Range 23W Flathead County. The Applicant will not use either historical POD although they will continue

to operate for the remainder of the Claim 76LJ 9218-00 (parent right to the Claim being changed 76LJ 30174766) and for the remainder of the Permit 76LJ 30008069 (parent right to the Permit being changed 76LJ 30174762). The Applicant proposes to retire 0.9 acres from Permit 76LJ 30174762 and to shift 2.15 acres from the historical place of use the permit covered to the new POU in SWSESE Section 23, Township 31N, Range 23W. The Claim 76LJ 30174766 will not be retiring any acres. After the change both water rights will work in conjunction to irrigate the full place of use in the N2NWNE and NENENW Section 23 and SESESW and SWSWSE Section 14, Township 31N, Range 23W, Flathead County. The proposed use of Claim 76LJ 30174766 and Permit 76LJ 30174762 are shown in **Table 6**

Table 6: Summary of the proposed use of 76LJ 30174762 and 76LJ 30174766.

Water Right No.	Proposed Purpose	Proposed (Acres)	Proposed Place of Use	Proposed Point of Diversion	Proposed Flow Rate (GPM)	Proposed Consumptive Volume (AF)	Proposed Diverted Volume (AF)
76LJ 30174762	Irrigation	16.43	N2NWNE and NENENW Section 23 and SESESW and SWSWSE Section 14, Township 31N, Range 23W, Flathead County	SWSESE Section 14, Township 31N, Range 23W, Flathead County	650	17.95	22.44
76LJ 30174766	Irrigation	16.43	N2NWNE and NENENW Section 23 and SESESW and SWSWSE Section 14, Township 31N, Range 23W, Flathead County	SWSESE Section 14, Township 31N, Range 23W, Flathead County	2,500	5.03	6.30
Total	-	16.43	-	-	3,150	22.99	28.74

Following the procedures outlined in the Historical Use section 2.1 above, the proposed consumed and diverted but non-consumed volumes have been calculated with the inputs shown in **Table 7** and **Table 8** following the methods described above and in ARM 36.12.1902.

Due to the water rights sharing a POD and conveyance system, the water will be comingled on the proposed place of use. The new proposed irrigation outside the historical place of use is 2.15 acres. This area will be irrigated by the Permit and the Claim supplementally. To calculate the portion of water that will be applied by each water right, a ratio was calculated for each of the components (Crop Consumption (AF), Applied Field

Volume (AF), IL (AF), Total Irrigation Consumed Volume (AF), and Non-Consumed Volume (AF)) for what was historically applied to the place of use. It was found that the Permit accounted for 81.6% of crop consumed water, 81.6% of the applied volume, 81.5% of the irrecoverable losses, 81.5% of the total irrigation consumed, and 81.5% for the non-consumed volume to the historical place of use. The Claim accounted for 18.4% of crop consumed water, 18.4% of the applied volume, 18.5% of the irrecoverable losses, 18.5% of the total irrigation consumed, and 18.5% for the non-consumed volume to the historical place of use. The reason for the slight variation in ratios is due to the different management factors for pre-July 1, 1973 and post-July 1, 1973 water uses. These ratios were calculated by dividing the portion of water contributed to the historical place of use by each water right divided by the total applied to the historic POU. Due to the water rights operating through the same conveyance system and behaving supplementally to the new acres, the ratio to establish what would be contributed to the land by each water right was the most conservative approach.

Table 7: Proposed new irrigation outside of the historical place of use.

Water Right	Irrigation Method	Acres	IWR (in)[1]	Mgmt. Factor[2]	Field Efficiency	Crop Consumption (AF)	Applied Field Volume (AF)	IL (AF)	Total Irrigation Consumed Volume (AF)	Non-Consumed Volume (AF)
76LJ 30174762 (Permit)	Sprinkler (Handline & Wheel line)	2.15	15.74	0.97	0.7	2.22	3.17	0.32	2.54	0.64
76LJ 30174766 (Claim)	Sprinkler (Handline & Wheel line)	2.15	15.74	0.97	0.7	0.50	0.72	0.07	0.57	0.14
-	**Total**	2.15	-	-	-	2.72	3.89	0.39	3.11	0.78

[1]Whitefish IWR Weather Station
Flathead County Proposed Use Management Factor (1997-2006)

The Applicant proposes to continue to use both Claim 76LJ 30174766 and Permit 76LJ 30174762 to irrigate the 16.43 acres. The proposed change will result in the new POD conveying water through a pipe to the proposed place of use. The proposed place of use includes the new 2.15 acres along with the 10.88 acres historically covered by 76LJ 30174762 and 3.4 acres covered by 76LJ 30174766. The irrigation method will continue to be a mixture of handline and wheel line sprinklers. No other water rights will be used to irrigate the land. Due to the new acres being covered by both water rights, the historical portion each water right will contribute to its historical place of use is shown in **Table 8.** The portion each water right will contribute to the new acres is shown in **Table 7**. The full diverted and consumed volume by this change is shown in **Table 9**. Irrigation will continue from May 1 to September 30 for a total of 16.43 acres

Table 8: Proposed irrigation within the historical place of use.

Water Right Type	Irrigation Method	Acres	IWR (in)[1]	Mgmt. Factor[2]	Field Efficiency	Crop Consumption (AF)	Field Applied Volume (AF)	IL (AF)	Total Irrigation Consumed Volume (AF)	Non-Consumed Volume (AF)
Permit	Sprinkler (Handline & Wheel line)	10.88	15.74	0.94	0.7	13.49	19.27	1.93	15.41	3.85
Claim	Sprinkler (Handline & Wheel line)	3.4	15.74	0.88	0.7	3.91	5.58	0.56	4.46	1.12
	Total	14.28	-	-	-	17.4	24.85	2.49	19.87	4.97

[1]Whitefish IWR Weather Station
[2]Flathead County Historical Use Management Factor (post-July 1, 1973, pre-July 1, 1973)

Table 9: Proposed consumptive volume of changed water rights

Water Right	Crop Cons. Vol (AF)	Field Application (AF)	IL (AF)	Total Cons. Vol (AF)	Non-Cons. Vol (AF)
76LJ 30174762	15.71	22.44	2.25	17.95	4.49
76LJ 30174766	4.41	6.30	0.63	5.03	1.26
Total	**20.12**	**28.74**	**2.88**	**22.98**	**5.75**

3.2 Impacted Surface Water Sources

The Department has considered an area of potential adverse effect on the source of supply. The DNRC WSB found the water applied to the proposed place of use will return to the historical source, the Stillwater River, and will accrue beginning in the same location as historical flows. As such there are no water right users that will be affected by this change.

Review

This document has been reviewed by the Department on May 1, 2026.

References

Department Standard Practice for Determining Historical Use
DNRC, 2019. Technical Memorandum: Calculating Return Flow. April 18, 2019.

Surface Water Change Technical Analyses Report - Part B

The Montana Department of Natural Resources and Conservation (DNRC) Water Resources Division

Heath Geil-Haggerty, Groundwater Hydrologist, Water Sciences Bureau (WSB)

Applicant Name	Arden Hoffman and Claire Conway
Application No.	76LJ 30171782
Point of Diversion Legal Land Description	SWSESE Section 14, Township 31 North, Range 23 West, Flathead County

Overview

This report is Part B of a two-part publication which analyzes data submitted by the Applicant in support of the above-mentioned water right change 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 §85-2-402, Montana Code Annotated (MCA). For applications in closed basins, this report fulfills the requirements of MCA §85-2-361.

This Surface Water Change Technical Analyses Report – Part B contains the following sections:

Overview 1
1.0 Executive Summary 2
2.0 Methodology 2
3.0 Adverse Effect – Return Flow Analysis 3
Review 6
References 6

1.0 Executive Summary

Application Details

The Applicants propose to change the point of diversion (POD) and place of use (POU) for their portion of two water rights associated with their property. Historically, water was diverted from the Stillwater River to irrigate 17.33 acres of alfalfa. The Applicants portion of Statement of Claim No. 76LJ 9218-00 irrigated 3.40 acres on the northern part of their property and Provisional Permit No. 76LJ 30008069 irrigated 13.93 acres on the southern half of the property.

The Applicants' proposed POU would total 16.43 acres. The Applicants propose to retire 3.05 acres historically irrigated under Provisional Permit No. 76LJ 30008069 and add 2.15 acres outside of the historical POU; the remaining 14.28 acres would be within the historical footprint of Provisional Permit No. 76LJ 3008069 and Statement of Claim No. 76LJ 9218 00 (**Figure 1**). The Applicants propose to add a new POD in the SWSESE, Section 14, Township 31 North, Range 23 West.

WSB Technical Analysis Findings

Based on information submitted, the WSB quantified the historical non-consumed volume and location of historical return flows. These analyses are in support of the following criteria assessment: adverse effect. A summary of WSB findings described in subsequent sections are listed below.

TECHNICAL ANALYSES FINDINGS

ADVERSE EFFECT (RETURN FLOWS)	The historical non-consumed volume for the portion of Statement of Claim No. 76LJ 9218-00 and Provisional Permit No. 76LJ 3008069 proposed for change is 6.05 acre-feet (AF), and the starting point of historical return flows is at SESWSE Section 14, Township 31 North, Range 23 West as identified in **Figure 1** is to the Stillwater River. The proposed non-consumed volume is 5.75 AF, and the starting point of proposed return flows is at SESWSE Section 14, Township 31 North, Range 23 West as identified in **Figure 1** is to the Stillwater River.

2.0 Methodology

DNRC will analyze the change to determine if:

a. Return flows will enter back into the source where they have historically returned upstream of or at the location of the next downstream appropriator; or,
b. Water is left instream so historically diverted flows are available during the historical period of diversion either below the point of diversion or where return flows historically returned to the source.

If neither criterion is met or return flows accrete to more than one source, the return flow analysis may include a monthly breakdown of the rate and timing of return flows and evaluate impacts to the identified rights.

Return flows are evaluated by determining the volume of water that infiltrates past the root zone and identifying the likely receiving stream(s). The assumption is made that water applied for irrigation that is not consumed by a crop infiltrates to groundwater, becoming return flow, and does not run off. The receiving stream is determined by proximity and evidence of hydraulic connection to groundwater and generally does not depend on groundwater flow direction or land slope (Leake, 2011).

Historical consumed volumes for irrigation are calculated following the procedures described in DNRC consumptive use rules in ARM 36.12.1902. The amount of water consumed at the field is equal to crop consumption plus irrecoverable losses calculated as a percent of applied amounts. The amount of water applied to a field is determined from estimates of application efficiency and crop consumption. The amount of water not consumed is the difference between the amount of water consumed and the amount of water applied to a field.

3.0 Adverse Effect – Return Flow Analysis

3.1. Non-Consumed Volume

The consumed and non-consumed volumes for irrigation were calculated following the methods described in ARM 36.12.1902 and reported in **Part A** of this two-part report. The historical non-consumed volume for Statement of Claim No. 76LJ 9218-00 is 1.12 AF, and the proposed non-consumed volume is 1.12 AF. The historical non-consumed volume for Provisional Permit No. 76LJ 30008069 is 4.93 AF and the proposed non-consumed volume is 3.85 AF.

3.2 Hydraulically Connected Surface Water(s)

Potentially affected surface waters in a return flow evaluation are identified by their hydraulic connection, both direct and indirect, to the aquifer below the irrigation place of use. Hydraulic connection depends on the depth to groundwater beneath the beds of surface waters, connection between deep and overlying shallow aquifers, and vertical gradients, and it can vary along a reach and with time of year.

Procedures for evaluating hydraulic connection and identifying one or more potentially affected surface water(s) can be found in DNRC 2019. Following protocols in DNRC 2019, **Table 1** identifies published information used to assess hydraulically connected surface water(s). Not all data may be available for each project; “NA” is noted when that occurs.

Table 1: Published information used to identify hydraulically connected surface water(s).

Published Information	**Surface Water Source:** Stillwater River in Township 31N Range 23W
USGS National Hydrographic Dataset (NHD)[1]	Perennial
USGS PROSPER Dataset[2]	Perennial, mean probability 0.6 to 0.8
MBMG GWIC wells, less than 50 ft deep, within 1,000 ft of surface water, static water levels above or within 10 ft of elevation of stream bed (DNRC, 2018)[3]	NA
Published Water Table Maps, Publications, Previous Water Rights, etc.	No water table maps available; Smith (2004)[4]; Coffin (1971)[5]
Gridded National Soil Survey Geographic Database[5]	Shallow water tables are mapped continuously along the Stillwater River in Township 31N Range 23W Hydric soils are not mapped in the vicinity of the project
Aerial imagery	Wet channel (NAIP, 2005-2023)
Affidavits, photographs, etc.	Google Earth Street View shows a wet channel under the bridge on Farm to Market Road north of the project in September 2025

[1] NHD identifies perennial, intermittent, and ephemeral classifications for surface water sources most proximal to the proposed diversion(s).

[2] USGS PROSPER probability of streamflow permanence (greater than 50 percent of the time it flows).

[3] Per DNRC (2019) hydraulic connection of individual stream reaches to ground water is evaluated by comparing streambed elevations to static ground water elevations measured in MBMG GWIC wells less than 50 ft deep and within 1,000 ft of surface water or from published water table maps. Surface water within that area is considered hydraulically connected to the unconfined aquifer if static ground water elevations are above or within 10 ft of the elevation of the stream bed.

[4]Smith (2004) maps shallow alluvium ranging from 0 to 50 feet thick along the Stillwater River adjacent to the project.

[5]Coffin (1971) maps two shallow wells with total depths less than 10 feet near the confluence of the Stillwater River and Logan Creek approximately 2.7 miles northwest of the project.

[6]Gridded National Soil Survey Geographic Database to identify hydric soils or shallow water tables near surface water sources.

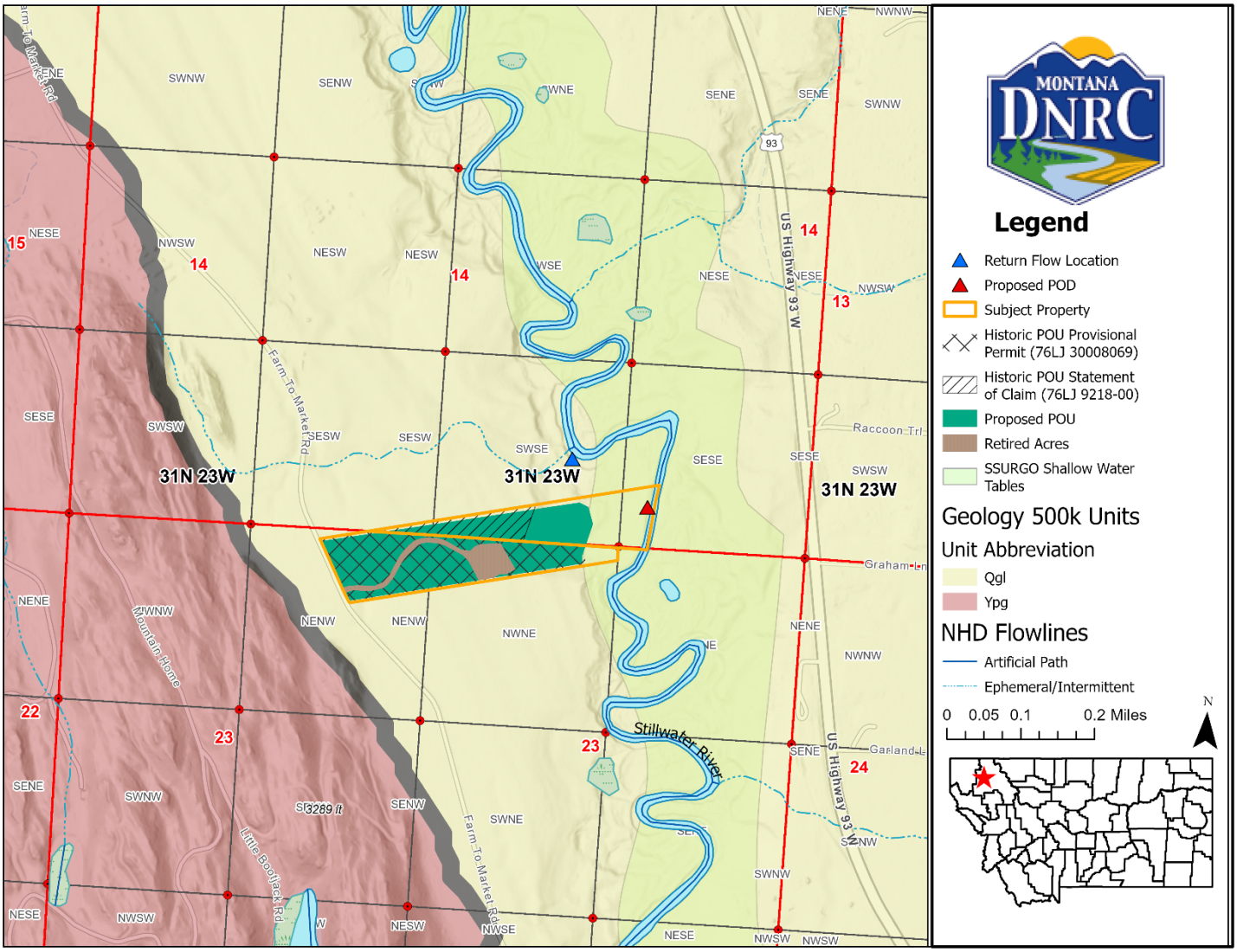


Figure 1: Location of historical and proposed irrigation and return flows.

WSB Findings

Based on the review of the published information in **Table 1**, the Stillwater River is the nearest hydraulically connected surface water source (**Figure 1**) and the receiving stream for historical and proposed return flows.

3.3 Location of Return Flows

Historical return flows total 6.05 AF from 17.33 acres of irrigation. Historically 4.93 AF of return flows came from Provisional Permit No. 76LJ 30008069, and 1.12 AF of return flows came from Statement of Claim No. 76LJ 9218-00. The starting point of historical return flows would be to the Stillwater River downstream of the northern boundary of the SESWSE Section 14, Township 31 North, Range 23 West, Flathead County (**Figure 1**).

Under the proposed change, return flows would be equal to 5.75 AF from 16.43 acres of irrigation and would accrue to the Stillwater River beginning at the same location as historical return flows.

Under the proposed change, return flows would enter back into the source where they have historically returned upstream of the next downstream appropriator. In addition, the Applicant would leave a portion of historical diverted non-consumed volume, equal to 0.30 AF, instream at the historical point of diversion. Therefore, an analysis of rate and timing of return flows was not conducted.

Review

This document has been reviewed on April 24, 2026 in accordance with Category 7 of DNRC's Water Sciences Bureau Minimum Standards of Review, Version 2, February 2024.

References

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Preapplication Materials

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

Preapplication Materials

Water & Environmental
TECHNOLOGIES

March 10, 2026

Jim Ferch
DNRC Regional Office
655 Timberwolf Parkway, Ste 4
Kalispell, MT 59901

Re: Pre-Application Meeting Form 600P-B and 600P-A Follow Up Submittal for Arden Hoffman and Claire Conway Surface Water Change Application 76LJ 30171782

Dear Jim,

We appreciate you and your staff's support during our pre-application meeting on September 11, 2025. Since that time, WET has continued to refine the water right application. The signed form 600P-B is provided as **Attachment A.** As required, we have gathered the information necessary to address the follow-up items identified during our pre-application meeting.

This change application is associated with the split portions of Statement of Claim 76LJ 9218-00 and Provisional Permit 76LJ 30008069 owned by Arden Hoffman and Claire Conway. The referenced Form 641s were submitted to the DNRC on October 15, 2025.

The following items have been addressed or modified from the Form 600P-A that was initially completed by DNRC during our pre-application meeting.

Follow-Up Responses:

8. *Submit a historical map created on aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all historical points of diversion (POD) labeled with a unique POD ID ("H" followed by a number, all historic places of use (POU), all historical conveyance structures, all historical places of storage, and historical place of use for all overlapping water rights. More than one map may be submitted if necessary to clearly convey all required information:*

Figures 1 through **9** are provided as **Attachment B**.

- **Figure 1** is a site vicinity map showing the place of use and points of diversion (POD) for permits 76LJ 9218-00 and 76LJ 30008069. The property boundaries of the site and the proposed POD for change application 76LJ 30171782 are also provided along with the historical irrigated acres within the subject property for each of these water rights.
- **Figures 2** provides the historical aerial imagery of the place of use for 76LJ 30008069 from 2011.
- **Figures 3 and 4** provide the historical aerial imagery and place of use and POD for 76LJ 9218-00.
- **Figure 5** provides the place of use and points of diversion for water rights with places of use that overlap the place of use for 76LJ 9218-00.
- **Figure 6** provides the place of use and points of diversion for water rights with places of use that overlap the place of use for 76LJ 30008069.

- **Figure 7** provides historic use of 76LJ 2918-00 including the historic conveyance and point of diversion on a historic aerial photograph from 1974.
- **Figure 8** provides historical use of 76LJ 30008069 including the historic conveyance and point of diversion on a historic aerial from 2011.
- **Figure 9** provides the proposed use under change 76LJ 30171782 with the location of irrigated areas, the location of retired acres, the proposed point of diversion and the proposed conveyance structures.

9. *Submit a proposed use map created on 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 (P followed by a number) all proposed places of use, all proposed conveyance structures, all proposed places of storage, and proposed place of use for all overlapping water rights,. More than one map may be submitted if necessary to clearly convey all required information.*

Figure 9 is included in **Attachment B** and depicts the proposed use.

13. Does the change involve a change in the place of use?

a. if yes, iii. Do other water rights supplement or overlap the historical and or proposed place of use?

Yes. Several water rights overlap the historical places of use associated with the water rights. However, there are no overlapping water rights associated with the split portion of these water rights owned by Hoffman Conway and no water rights supplement the historical place of use.

The historical place of use for 76LJ 9218-00 is overlapped by water rights 76LJ 71028-00, 76LJ 30148526, 76LJ 30148527, 76LJ 30162647, and 76LJ 30149157 – see **Figure 5**.

The historical place of use for 76LJ 30008069 is overlapped by water right 76LJ 30171885 see **Figure 6**.

These overlapping water rights are associated with individual properties within the historic place of use for water rights 76LJ 9218-00 and 76LJ 30008069. The table below summarizes the geocodes within the place of use for each water right and the beneficial uses associated with each overlapping right. As shown, only one of the overlapping water rights includes irrigation as a purpose. The subject property has been subdivided and operation of the overlapping water rights may occur at the discretion of the respective water right owners.

Water Right ID	Geocode	Beneficial Use(s)
76LJ 71028-00	07-4291-15-4-01-01-0000	Domestic, Stock
76LJ 30148526	07-2491-14-3-01-13-0000	Domestic, Lawn & Garden, Stock
76LJ 30148527	07-4291-14-3-01-13-0000	Stock
76LJ 30149157	07-4291-14-3-01-01-0000	Stock
76LJ 30162647	07-4291-14-3-01-13-0000	Domestic, Stock, Irrigation
76LJ 30171885	07-4291-23-1-02-65-0000	Multiple Domestic, Stock

a. *If yes – how were the water rights operated to serve the historical purposes and how will they be operated to serve the proposed purposes. What are the geocodes of the proposed place of use?*

None of the water rights were operated to supplement the historical use of irrigation associated with the Statement of Claim 76LJ 9218-00 or Provisional Permit 76LJ 30008069. The water rights

have historically operated independent of one another as they serve purposes unique from irrigation, with the exception of 76LJ 30162647. This water right allows for up to two acres of pasture irrigation utilizing a well identified by GWIC ID 319916. It is important to note that this property is owned by an individual and it does not directly border the Stillwater River. The owner of right does not currently have access to the point of diversion. Refer to the table above which includes the geocode list for the associated properties.

b. *For each supplemental or overlapping water right, please list whether they contribute water for historical use, proposed use, or both; the average period of contribution (MM/DD-MM-DD); flow rate contributed (GPM or CFS); and if know the volume of water contributed (AF).*

Overlapping water rights do not contribute water for the historic irrigation use and will not provide water under the proposed use.

37. *The historic use map submitted for question 8 must clearly identify the entire place of use for each overlapping water right that intersects the historical place of use. Does your historical use map meet this requirement?*

Yes – see the attached **Figures 5** and **6**.

38. *Are you proposing to change all water rights associated with the historical place of use. If no identify the water rights associated with the historical place of use that are not included in this application. Provide the priority date for each water right and explain why all overlapping water rights are not included in this application. Include water received via contract from a company, district, or water user's association.*

No. The historical place of use for the two water rights proposed for change extends across various properties located in Sections 10, 11, 14, 15, and 23 of Township 31 North, Range 23 West. The properties have been subdivided since the original water rights were issued. Certain properties within the place of use have individual water rights associated with a specific geocode for purposes including domestic, stock, and lawn and garden. Water rights that are not appurtenant to the proposed place of use for this change application (Tract 3 of Certificate of Survey 21901) are not proposed for change.

Water Right No.	Priority Date	Reason Not included in Change
76LJ 71028 00	3/7/1989	Water right is appurtenant to a property not owned by the applicant.
76LJ 30148526	3/11/2020	Water right is appurtenant to a property not owned by the applicant.
76LJ 30162647	12/18/2023	Water right is appurtenant to a property not owned by the applicant.
76LJ 30148527	3/11/2020	Water right is appurtenant to a property not owned by the applicant.
76LJ 30149157	6/22/2020	Water right is appurtenant to a property not owned by the applicant.
76LJ 18724 00	5/18/1978	Water right is appurtenant to a property not owned by the applicant.
76LJ 30171885	9/24/2025	Water right is appurtenant to a property not owned by the applicant.

PP1.39B.2.a Submit evidence that can corroborate the historical place of use including the number of irrigated acres. This includes but is not limited to aerial photographs, irrigation journals, or logs.

A series of aerial photographs are provided as **Figures 2** through **10**. These figures provide documentation of irrigation within the place of use for 76LJ 30008069.

47.a.ii.1 Hay cutting information

"For hay, how many cuttings were there per season and how many days did cuttings last? Did irrigation cease throughout the place of use for cuttings? For other crops, explain whether irrigation regularly ceased within the irrigation season. For all crops explain whether diversions ceased during times irrigation did not occur.

In Flathead Valley, alfalfa hay fields typically produce two cuttings per irrigation season, with a third occurring only in unusually favorable growing years. First cutting typically occurs in late June to early July and second cutting usually occurs in late August to early September. During cutting periods, irrigation generally ceases for approximately 5–10 days per cutting to allow fields to dry sufficiently for mowing, drying, and baling operations.

Irrigation typically ceased across the field being harvested, but not necessarily across the entire place of use if multiple fields were managed separately. In many operations, fields are harvested sequentially, so irrigation may continue in other fields that are not actively being cut.

For small grains, irrigation typically continued regularly throughout the irrigation season when soil moisture was needed.

60. *Submit a map showing the new, unchanged historical and retired place of use. Create map on aerial photograph or topographic map that shows the following: section corners, township and range, scale bar and north arrow. If you have shapefiles associated with this map, in addition to submitting an image of the map.*

Figure 9 provides the new place of use with retired acres. The historical place of use is provided on **Figures 1** through **4**.

Amended Responses:

3. *Which water right(s) are proposed for change?.*

Water Right No	Current Authorized Flow Rate	Flow Rate Needed for Project	Means of Diversion
76LJ 9218-00	5.75 CFS	33.4 GPM	Pump
76LJ 300008069	650 GPM	53.3 GPM	Pump

Note that the Currently Authorized Flow Rate is associated with the pre-split water right totals and the Flow Rate Needed for Project is representative of the split portion owned by Hoffman Conway.

13a. ii. *Does the change involve a change in the place of use – if yes describe the legal land description of the proposed place of use and if the water rights being changed will have an irrigation or lawn and garden purpose, list the number of irrigated acres.*

Acres	1/4	1/4	1/4	Sec	TWP	Range	County
11.88	N2	N2	N2	23	31N	23W	Flathead
5.55	S2	S2	S2	14	31N	23W	Flathead
16.43	Total						

The total historic acreage within the subject property or within the split portion of the water rights is 3.89 acres under 76LJ 9218-00 and 13.93 acres under 76LJ 30008069.

Historic and proposed use were calculated utilizing the weighted county water management factors in accordance with ARM 36.12.1902(10) for the two existing water rights proposed for change (76LJ 9218-00 and 76LJ 30008069).

The table below provides a summary of water volumes including the historic diverted volume, historically consumed volume, the proposed diverted and consumed volume for the Hoffman Conway split portion of the water right, and the proposed total diverted and consumed volume for the Hoffman Conway split portion following completion of the proposed change application.

Water Right ID	Historically Irrigated Acres	Historically Diverted Volume (AF)	Historically Consumed Volume (AF)
76LJ 2018-00 (Total 291 Acres)	291	477.66	382.13
76LJ 30008069 (Total 137.8 Acres)	137.8	244.01	195.21
Water Right ID	**Historically Irrigated Acres**	**Historically Diverted Volume (AF)**	**Historically Consumed Volume (AF)**
Hoffman Conway Split Portion of 76LJ 30008069 (13.93 Acres historically irrigated)	13.93	24.67	19.73
Hoffman Conway Split Portion of 76LJ 9218-00 (3.89 acres historically irrigated)	3.89	6.39	5.11
Hoffman Conway Split Portion Historical Irrigation (Combined)	**17.82**	**31.06**	**24.84**
Water Right ID	**Proposed Irrigated Acres**	**Proposed Diverted Volume (AF)**	**Proposed Consumed Volume (AF)**
Hoffman Conway Proposed Irrigation (Combined)	16.43	29.74	23.79

As illustrated in the table above, the proposed irrigated acres of 16.43 acres under the change application results in less diverted volume and consumptive volume as compared to the split portions of the water right owned by Hoffman Conway. This results in a total of 1.39 acres being retired. Copies of the water use estimates are provided as **Attachment C**.

39. Answer the section of questions relevant to the historical purpose. If there is more than one purpose, then answer all relevant parts of this question. B. Irrigation i. Is the water right being changed a Statement of Claim? Yes 1. If yes does the water resources survey corroborate the acres irrigated listed in the abstract?

No. The water resources survey does not include the area in question.

a. *If no submit evidence that can corroborate the historical place of use including the number of irrigated acres. This includes but is not limited to aerial photographs, irrigation journals or logs.*

A historic aerial photograph from 1978 with the place of use for 76LJ 9218-00 is included as **Figure 16**. The owner of 76LJ 9218-00 in 2015 completed an amendment to the claim, which provided documentation of irrigated areas including a 1974 aerial photograph of the area. This is provided as **Attachment D**.

40. For all historical points of diversion identify the means, location (¼, ¼, ¼ section), and if they are proposed for change. Label using the same POD ID letter as for the Historical use map (question 8).

POD ID	Means	Location	Proposed for Change? (Y/N)
H1	Pump	SE ¼, SE ¼, NW ¼ Section 14 (76LJ 9218-00)	No

41. Do the legal land descriptions from the abstract encompass the actual locations of all historic points of diversion.

No. WET personnel completed a site visit on March 4, 2026 to inspect the POD location. The POD is located upstream of the claimed POD. WET mapped the location of the POD utilizing a handheld GPS and photographed the pump and associated power supply and diversion infrastructure. Based on the weathering on the pump and associated infrastructure, it appears to be of vintage consistent with the claimed priority date of the water right. The mapping discrepancy likely resulted from generalized mapping methods used when the original claim was prepared.

A request to correct the point of diversion has been submitted to the water court along with appropriate documentation. A copy of this request is provided as **Attachment E**.

PP1.47.a.ii. Answer all relevant question of this section based on whether the historical purpose was irrigation, non-irrigation, or both.

A. irrigation

ii. What were the crops grown?

Alfalfa hay and small grains

61. How many acres if any will be retired from the historical place of use?

A total of 1.39 acres will be retired. These acres are located in the Section 23, Township 31 North, Range 23 West.

62a. i. Are irrigated acres proposed that are outside the historical place of use? If yes, how many acres?

The total historic acreage associated with the subject property covered by the two water rights was 17.82 acres. (13.93 associated with the place of use for 76LJ 30008069 and 3.89 acres associated with 76LJ 2918-00). The system will operate within the subject property. A total of 16.43 acres will be irrigated. A total of 1.39 acres will be retired. The acreage is depicted on **Figure 15**.

The proposed use is for a total of 16.43 acres as shown in **Figure 15**. Additionally, the owner of 76LJ 9218-00 in 2015 completed an amendment to the claim, which provided documentation of irrigated areas including a 1974 aerial photograph of the area. This is provided as **Attachment E**.

The following attachments are provided in support of this pre-application:

Attachment A – Form 600P-B

Attachment B – Figures

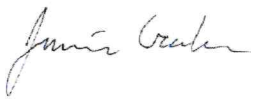
Attachment C – Water Use Estimates

Attachment D – Request to Correct POD Location

Attachment E – 1974 Aerial Photograph

If you have any questions regarding the information provided above or would like to discuss this matter in further detail, I can be reached at (406) 309-6085 or jgraham@waterenvtech.com.

Sincerely,



Jamie Graham
Project Hydrogeologist, Water & Environmental Technologies

Attachment A

Form 600P-B – Updated and Signed

PREAPPLICATION MEETING FORM: PART B
PERMIT

§ 85-2-302, MCA

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

For Department Use Only

Application # 30171782 Basin 76LJ

Form Received 3/10/26

Fee Rec'd $ 500- Check # 1504

Deposit Receipt # KW2622880

Payor WET INC

Form Returned

Refund $ Date

RECEIVED
DNRC Water Resources
MAR 10 2026
Kalispell Unit

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.
3			
13.a.ii.			
39.B.i			
39.B.i.a			
41			
PPq.47.a.ii			
61			
62.a.i			

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: March 2, 2026

Applicant Signature — Date: March 2, 2026

"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: 3/17/2026

Department Signature — Date:

NOTARIAL CERTIFICATE

Acknowledgment

State of Montana

County of Flathead

The attached record was acknowledged before me on 3-2-2026
(Date)

by Arden Hoffman & Claire Conway.
(Name of signer(s).)

JAMIE SIMPSON NOTARIAL SEAL STATE OF MONTANA

JAMIE SIMPSON
NOTARY PUBLIC for the
State of Montana
Residing at Whitefish, MT
My Commission Expires
September 21, 2026

Jami Simpson
(Notary Signature)

[Affix stamp above]

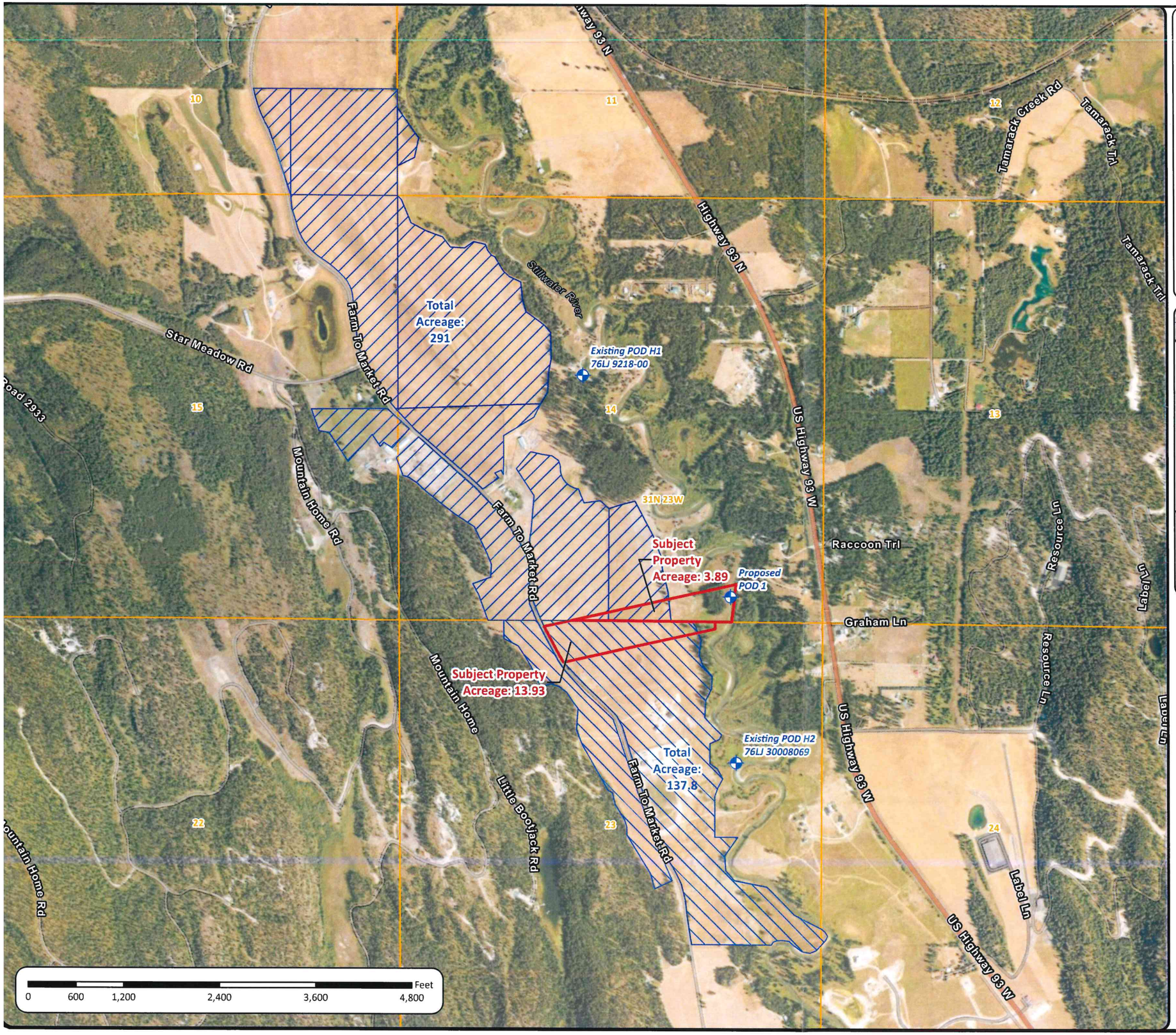
This certificate has been attached to the Permit
(Type of record or document)

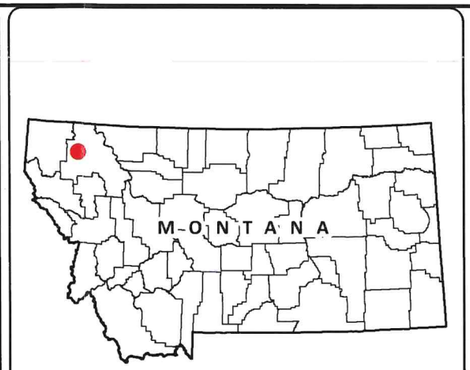
consisting of 3 page(s), dated 3-2-2026.

Any evidence that this certificate has been detached or removed from the above described document may render the notarization invalid or unacceptable.

Attachment B

Figures







N
W E
S

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery:
NAIP 2023

Point of Diversion

Subject Property Boundary

Place of Use

Water Right 76LJ 9218-00

Water Right 76LJ 30008069

SITE VICINITY

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 1

JOB#: 2025.2727

DATE: 3/9/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Subject Property Boundary

Place of Use

Water Right 76LJ 9218-00
Water Right 76LJ 30008069

Proposed POD 1
Existing POD H2 76LJ 30008069

Subject Property Acreage: 13.93

Total Acreage: 138

Market Rd
Farm To Market Rd
Mountain Home Rd
Mountain Home
Little Bootjack Rd
Graham Ln
Garland Ln
US Highway 93 W
Stillwater River
Little Bootjack Lake

15 SESE SWSW SESW 14 SWSE SESE SWSW
NENE NWNW NENW NWNE NENE NWNW NENW
SENE SWNW SENW SWNE SENE SWNW SENW
22 23 24
NESE NWSW NESW NWSE NESE NWSW NESW
SWSE SESE SWSW SESW

31N 23W

0 250 500 1,000 1,500 2,000 Feet

N
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NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: NAIP 2011

HISTORIC IMAGERY - WR 76LJ 30008069

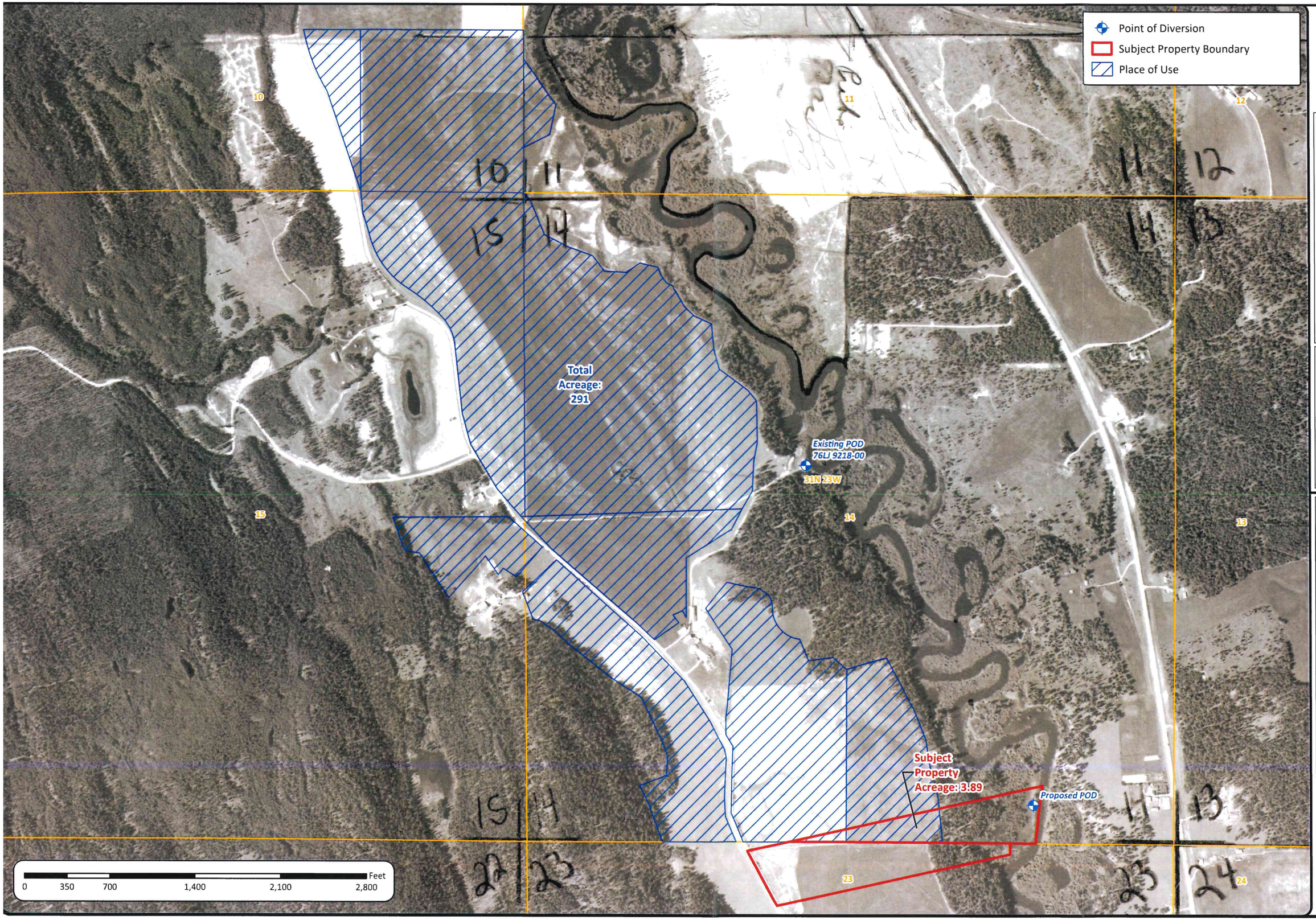
HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 2

JOB#: 2025.2727
DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES



N
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NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: 1974

HISTORIC IMAGERY - WATER RIGHT 76LJ 9218-00

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 3

JOB#: 2025.2727

DATE:3/9/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Subject Property Boundary
Place of Use

10
11
12
15
14
13
23
24

Total Acreage: 291

Existing POD
76LJ 9218-00
31N 23W

Subject Property Acreage: 3.89

Proposed POD

0 350 700 1,400 2,100 2,800 Feet

N
W E
S

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: 1990

HISTORIC IMAGERY - WATER RIGHT 76LJ 9218-00

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 4

JOB#: 2025.2727

DATE:3/9/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
WRQS Point of Diversion
Subject Property Boundary

Water Rights Overlapping with 76LJ 9218-00

76LJ 71028 00
76LJ 30148526, 76LJ 30148527, and 76LJ 30162647
76LJ 30149157

Water Rights Overlapping with 76LJ 30008069

76LJ 30171885

Place of Use

Water Right 76LJ 9218-00
Water Right 76LJ 30008069

N
W E
S

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery:
NAIP 2023

SWNE SENE SWNW SENW SWNE
NWSE NESE NESW NWSE NESE
SWSE SESE SWSW SWSE SESE
NWNE NENE NWNW NWNE NENE
NENW

15 14 22 23 31N 23W

76LJ 71028 00
76LJ 30162647
76LJ 30148526
76LJ 30148527
76LJ 30149157
Existing POD H1
76LJ 9218-00
Proposed POD 1

Total Acreage: 291
Subject Property Acreage: 3.89
Subject Property Acreage: 13.93
Total Acreage: 137.8

0 200 400 800 1,200 1,600 Feet

WATER RIGHTS OVERLAPPING WITH 76LJ 9218-00

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 5

JOB#: 2025.2727
DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
WRQS Point of Diversion
Subject Property Boundary

Water Rights Overlapping with 76LJ 9218-00

76LJ 71028 00
76LJ 30148526, 76LJ 30148527, and 76LJ 30162647
76LJ 30149157

Water Rights Overlapping with 76LJ 30008069

76LJ 30171885

Place of Use

Water Right 76LJ 9218-00
Water Right 76LJ 30008069

Subject Property Acreage: 3.89
Total Acreage: 291
Subject Property Acreage: 13.93
Total Acreage: 137.8
Proposed POD 1
Existing POD H2 76LJ 30008069
76LJ 30171885
31N 23W
14
15
22
23
24

0 250 500 1,000 1,500 2,000 Feet

N
W E
S

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery: NAIP 2023

WATER RIGHTS OVERLAPPING WITH 76LJ 30008069

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 6

JOB#: 2025.2727
DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Irrigation Mainline
Subject Property Boundary
Place of Use

N
W E
S

Total Acreage: 291

Existing POD
76LJ 9218-00

Proposed POD

Subject Property Acreage: 3.89

31N 23W

Stillwater River

Farm To Market Rd

Star Meadow Rd

Mountain Home Rd

Highway 93 N

US Highway 93 W

Wild Horse Ranch

Raccoon Trl

Graham Ln

0 350 700 1,400 2,100 2,800 Feet

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	IG	JG
2				
3				
4				
5				

Aerial Imagery: 1974

WATER RIGHT 76LJ 9218-00

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 7

JOB#: 2025.2727

DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Irrigation Mainline
Subject Property Boundary
Place of Use

N
W E
S

Proposed POD
Subject Property
Acreage: 13.93
Existing POD
76LJ 30008069
Total
Acreage:
137.8
31N 23W

Graham Ln
Garland Ln
US Highway 93 W
Farm To Market Rd
Mountain Home Rd
Little Boojack Rd
Little Boo Lake
Stillwater River

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2				
3				
4				
5				

Aerial Imagery:
NAIP 2011

0 250 500 1,000 1,500 2,000 Feet

WATER RIGHT 76LJ 30008069

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 8

JOB#: 2025.2727

DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Point of Diversion
Proposed Irrigation Mainline
Proposed Irrigated Area
Subject Property Boundary

Farm To Market Rd

Stillwater River

SESW

14

SWSE

SESE

Total Irrigated Area: 16.43 acres

Proposed POD 1

Irrigated Area in Section 14: 5.55 acres

31N 23W

Irrigated Area in Section 23: 10.88 acres

1.39 Acres Retired

Farm To Market Rd

NENW

23

NWNE

NENE

Stillwater River

Stillwater River

0 100 200 400 600 800 Feet

N
W E
S

NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	3/3/26	LG	JG
2	UPDATED IRRIGATED AREA	3/6/26	LG	JG
3				
4				
5				

Aerial Imagery:
September 19, 2025

PROPOSED WATER USAGE

HOFFMAN CONWAY WATER RIGHT SPLIT CHANGE

FIGURE 9

JOB#: 2025.2727
DATE:3/10/2026

Path: P:\PROJECTS\Hoffman_Arden_Conway_Claire\1839-25 Hoffman Conway WR Split Change\350-

Water & Environmental TECHNOLOGIES

Attachment C

Water Use Estimates

76LJ 30008069 - Historical Surface Water Use								
Historic Consumptive Volume (HCV) Flood Irrigation	Flathead County - Whitefish: IWR Sprinkler Irigation ET *(Inches)*	Flathead County 1973-2006 Management Factor *(Percent)*	Historic Acres	HCV AF *(minus IL)*	On-farm Efficiency	Field Application AF	Historic Irrecoverable Losses *(IL) Sprinkler 10%:*	**HCV AF *(Including IL)***
	15.74	94.5%	137.80	170.81	70%	244.01	24.40	**195.21**
Historic Diverted Volume (HDV)	HCV AF *(minus IL)*	On-farm Efficiency	Estimated Ditch Seasonal Conveyance Loss Volume (seepage loss + vegetation loss + ditch evaporation) AF - Not applicable - Pipeline	**Historically Diverted Volume AF**				
	170.8	70%	0.0	**244.01**				

76LJ 9218-00 - Historical Surface Water Use								
Historic Consumptive Volume (HCV) Flood Irrigation	Flathead County - Whitefish: IWR Sprinkler Irigation ET *(Inches)*	Flathead County 1964-1973 Management Factor *(Percent)*	Historic Acres	HCV AF *(minus IL)*	On-farm Efficiency	Field Application AF	Historic Irrecoverable Losses *(IL) Sprinkler 10%:*	**HCV AF *(Including IL)***
	15.74	87.6%	291.00	334.36	70%	477.66	47.77	**382.13**
Historic Diverted Volume (HDV)	HCV AF *(minus IL)*	On-farm Efficiency	Estimated Ditch Seasonal Conveyance Loss Volume (seepage loss + vegetation loss + ditch evaporation) AF - Not applicable - Pipeline	**Historically Diverted Volume AF**				
	334.4	70%	0.0	**477.66**				

76LJ 30008069 - Historical Surface Water Use								
Historic Consumptive Volume (HCV) Flood Irrigation	Flathead County - Whitefish: IWR Sprinkler Irrigation ET *(Inches)*	Flathead County 1973-2006 Management Factor *(Percent)*	Historic Acres	HCV AF *(minus IL)*	On-farm Efficiency	Field Application AF	Historic Irrecoverable Losses *(IL) Sprinkler 10%:*	**HCV AF *(Including IL)***
	15.74	94.5%	13.93	17.27	70%	24.67	2.47	**19.73**
Historic Diverted Volume (HDV)	HCV AF *(minus IL)*	On-farm Efficiency	Estimated Ditch Seasonal Conveyance Loss Volume (seepage loss + vegetation loss + ditch evaporation) AF - Not applicable - Pipeline	**Historically Diverted Volume AF**				
	17.3	70%	0.0	**24.67**				

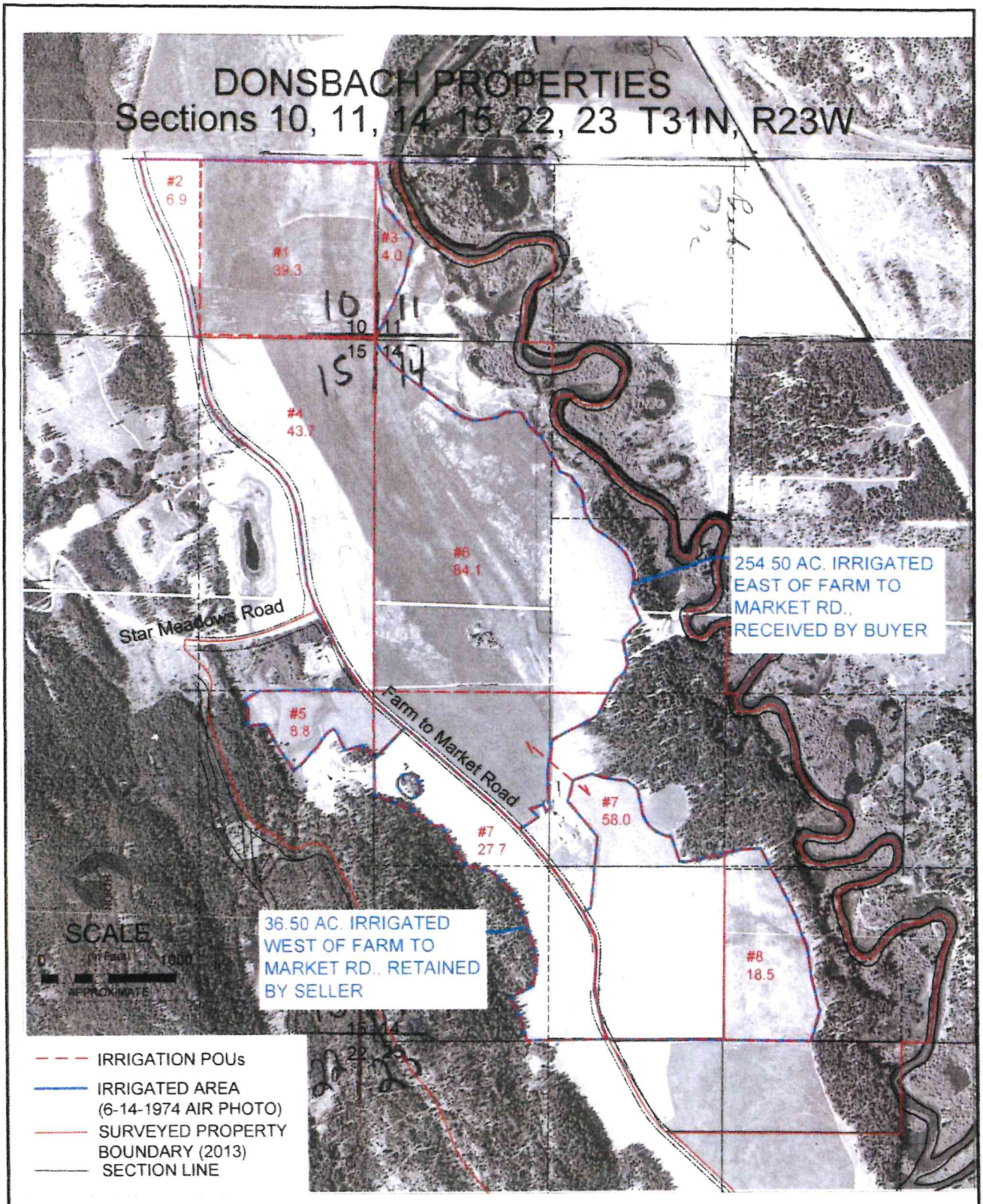
76LJ 9218-00 - Historical Surface Water Use								
Historic Consumptive Volume (HCV) Flood Irrigation	Flathead County - Whitefish: IWR Sprinkler Irrigation ET *(Inches)*	Flathead County 1964-1973 Management Factor *(Percent)*	Historic Acres	HCV AF *(minus IL)*	On-farm Efficiency	Field Application AF	Historic Irrecoverable Losses *(IL) Sprinkler 10%:*	**HCV AF *(Including IL)***
	15.74	87.6%	3.89	4.47	70%	6.39	0.64	**5.11**
Historic Diverted Volume (HDV)	HCV AF *(minus IL)*	On-farm Efficiency	Estimated Ditch Seasonal Conveyance Loss Volume (seepage loss + vegetation loss + ditch evaporation) AF - Not applicable - Pipeline	**Historically Diverted Volume AF**				
	4.5	70%	0.0	**6.39**				

	Historically Diverted Volume AF	**HCV AF**
Hoffman-Conway Property Total Historic Use	**31.05**	**24.84**

Hoffman Conway Property - Proposed Surface Water Use								
Historic Consumptive Volume (HCV) Flood Irrigation	Flathead County - Whitefish: IWR Sprinkler Irigation ET *(Inches)*	Proposed Flathead County 1997-2006 Management Factor *(Percent)*	Proposed Acres	PCV AF *(minus IL)*	On-farm Efficiency (Sprinkler 70%)	Field Application AF	Proposed Irrecoverable Losses *(IL) Sprinkler 10%:*	**PCV AF *(Including IL)***
	15.74	96.6%	**16.43**	20.8	70%	29.74	3.0	**23.79**
Proposed Diverted Volume (PDV)	PCV AF *(minus IL)*	On-farm Efficiency	Estimated Seasonal Conveyance and Reservoir Loss Volume (seepage loss + vegetation loss + evaporation) AF	**Proposed Diverted Volume AF**				
	20.8	70%		**29.74**				

Attachment D

1974 Aerial Photograph



	ATTACHMENT TO FORM 641 AND AMENDMENT TO STATEMENT OF CLAIM FOR 76LJ 9218 00	FIGURE

Hydrometrics, Inc.
Consulting Scientists and Engineers

Attachment E

Request to Water Court to Correct POD Location

Water & Environmental
TECHNOLOGIES

March 9, 2026

Montana Water Court
P.O. Box 1389
Bozeman, MT 59771

Re: Request to correct Point of Diversion Location for Statement of Claim 76LJ 9218-00

Dear Water Court,

I am writing to request an amendment to the point of diversion for the Subject-Referenced Statement of Claim (76LJ 9218-00).

It appears that the legal land description for the point of diversion listed on the claim abstract does not accurately reflect the physical location of the original diversion structure. The discrepancy likely resulted from generalized mapping methods used when the original claim was prepared.

A site visit completed on March 4, 2026, by WET personnel indicates that the historical point of diversion is located in the SE¼, SE¼, NW ¼, Section 14, Township 31 North, Range 23 West, rather than the location currently listed on the claim abstract. The corrected location better reflects the historical diversion works. A photograph of the pump located at the point of diversion is attached. As shown, the weathering on the pump and associated infrastructure indicates that it is of a vintage consistent with the original use of the water right. Additionally, a handheld global positioning system was utilized to mark the pump location. The coordinates of the pump are 48.45176, -114.49486, which confirms the quarter-quarter-quarter section location above.

This request is intended only to correct the legal land description of the historical point of diversion so that the claim record accurately reflects the historical diversion location. No changes to the historical water use, flow rate, place of use, or period of diversion are proposed.

Please update the legal land description for the point of diversion on this claim accordingly.

If you have any questions regarding the information provided above or would like to discuss this matter in further detail, I can be reached at (406) 309-6085 or jgraham@waterenvtech.com.

Sincerely

Jamie Graham
Project Hydrogeologist, Water & Environmental Technologies

Attachment A

Photographic Documentation of POD Infrastructure



PREAPPLICATION MEETING FORM: PART A

CHANGE

§ 85-2-302(3)(b)

Form No. 606P-A *(Revised 02/2025)*

For Department Use Only

Application # 30171782 Basin 76LJ

Meeting Date 09/11/2025 Time 09:00

Variance Request Deadline 01/27/2026

Completed Form Deadline 03/10/2026

RECEIVED
11 SEP 2025
DNRC
KALISPELL WATER RESOURCES

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 Form 606P-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 606P-B), including identified follow-up, any amended responses, and the Follow-up and Amended Responses Affidavit & Certification.

Applicant Information: *Add more as necessary.*

Applicant Name Arden Hoffman, Claire Conway
Mailing Address 22 Hills Lookout CT City Whitefish State MT Zip 59937
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 (describe) _____
Contact/Representative Name Water & Environmental Technologies - Jamie Graham
Mailing Address 102 Cooperative Way, STE 100 City Kalispell State MT Zip 59901
Phone Numbers: Home _____ Work (406) 309-6084 Cell _____
Email Address jgraham@waterenvtec.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. 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 correspondence and a copy may be sent to the contact person. (ARM 36.12.122)*

Meeting Attendees: *Add more as necessary.*

Name	Organization	Position
Jamie Graham	Water & Env. Tech	Consultant
Travis Wilson	DNRC	Water Resource Specialist
Joey Howerton	DNRC	Water Resource Specialist
Abby Williams	DNRC	Water Resource Specialist
Selena Sauer	Crowley Fleck	Attorney
Brad Bennett	WET	Consultant

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Application Details

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

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

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

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

Questions, Narrative Responses, and Tables	Check-boxes	Follow-Up
1. Do you elect to have DNRC conduct technical analyses?	☑ Y ☐ N	☐ F
2. How many change applications will be needed for this project? Please refer to ARM 36.12.1305 for more information. 1 - the place of use and purpose will be the same and the conveyance system will be shared.		☐ F
3. Which water right(s) are proposed for change?	☑ A	☐ F

Water Right No.	Current Authorized Flow Rate			Flow Rate Needed for Project			Means of Diversion
	Flow	*GPM*	*CFS*	*Flow*	*GPM*	*CFS*	
76LJ 9218-00	5.57	☐	☑	55	☑	☐	Pump
76 LJ 30008069	650	☑	☐	55	☑	☐	Pump
		☐	☐		☐	☐	
		☐	☐		☐	☐	
		☐	☐		☐	☐	

4. Is the proposed change on a non-filed water project?	☐ Y ☑ N	☐ F
a. If yes, please submit a Non-Filed Water Project Addendum (Form 606/634-NFWPA). The project must meet the requirements of the addendum. The addendum is required before the Preapplication Meeting Form is completed.	☐ S	☐ F

5. Is the source surface water or groundwater? Surface Water		
6. What is the source name? Stillwater River		
7. Identify the water right elements proposed for change, with a checkmark, for each water right proposed for change.	☐ A	☐ F

Water Right #	76LJ 9218-00	76 LJ 3000806				
Point of diversion	☑	☑	☐	☐	☐	☐
Place of use	☑	☑	☐	☐	☐	☐
Purpose of use	☐	☐	☐	☐	☐	☐
Place of storage	☐	☐	☐	☐	☐	☐

8. Submit a historical use map created on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, north arrow, all historical points of diversion (POD) labeled with a unique POD ID ("H" followed by a number), all historical places of use (POU), all historical conveyance structures, all historical places of storage, and historical place of use for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.	☐ S	☑ F
9. Submit a proposed use 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 ("P" followed by a number), all proposed places of use, all proposed conveyance structures, all proposed places of storage, and proposed place of use for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.	☐ S	☑ F
10. Does the change involve a change in point of diversion?	☑ Y ☐ N	☐ F
a. If yes, describe the location for all *new* and *unchanged* points of diversion to the nearest 10 acres. Label POD ID with the POD ID assigned for the proposed use map (question 9).	☐ A	☐ F

POD ID	**¼**	**¼**	**¼**	**Sec**	**Twp**	**Rge**	**County**	**Lot**	**Block**	**Tract**	**Subdivision**	**Gov. Lot**	**New or Unchanged**
P1	SW	SE	SE	14	31N	23W	Flathead						New

11. Describe the location of all historical PODs you propose to *retire*. Label POD ID with the POD ID assigned for the historical use map (question 8). If none are proposed for retirement, write "N/A" here: NA ☐ A ☐ F

POD ID	¼	¼	¼	Sec.	Twp.	Rge	County	Lot	Block	Tract	Subdivision	Gov. Lot

12. What is the means of diversion for all *new* PODs? 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. ☐ F

pump

13. Does the change involve a change in place of use? ☑ Y ☐ N ☐ F

a. If yes,

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

07-4291-14-4-01-15-0000	
07-4291-23-1-02-03-0000	

ii. Describe the legal land description of the proposed place of use and, if the water rights being changed will have an irrigation or lawn and garden purpose, list the number of irrigated acres. ☐ A ☐ F

Acres	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County
13.93		N2	N2	N2	23	31N	23W	Flathead
6.4		S2	S2	S2	14	31N	23W	Flathead
20.33	***Total***							

iii. Do other water rights supplement or overlap the historical and/or proposed place of use?	☐ Y ☐ N	☑ F
1. If yes,		
a. How were the water rights operated to serve the historical purposes and how will they be operated to serve the proposed purposes? _____ _____ _____ _____	☐ A	☐ F
b. For each supplemental or overlapping water right, please list whether they contribute water for historical use, proposed use, or both; the average period of contribution (MM/DD-MM/DD); flow rate contributed (GPM or CFS); and, if known, the volume of water contributed (AF) contributed (otherwise write "unknown").	☐ A	☐ F

Water Right No.	**Contributions to Use**			**Average Period of Contribution**	**Flow Rate Contributed**			**Volume Contributed**
	Hist.	*Prop.*	*Both*	*MM/DD-MM/DD*	*Flow*	*GPM*	*CFS*	*AF*
	☐	☐	☐			☐	☐	
	☐	☐	☐			☐	☐	
	☐	☐	☐			☐	☐	

14. Does the proposed change include a change in purpose of use? If yes, answer questions 101 to 108 for change in purpose of use and question 13.a.iii for supplemental or overlapping water rights.	☐ Y ☑ N	☐ F
15. Are conveyance ditches used for historical or proposed uses? If yes, answer ditch-specific questions 109 to 115.	☐ Y ☑ N	☐ F
16. Do you propose to add or modify 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 mandatory questions 116 to 123. Additionally, you may choose to answer non-mandatory questions 175 to 179. A Change Storage Addendum (Form 606-SA) will be required at application submittal.	☐ Y ☑ N	☐ F
17. Is the proposed use temporary? If yes, answer questions 94 to 100 for temporary changes.	☐ Y ☑ N	☐ F
18. Are you filing on behalf of another entity? If yes, describe. _____ _____	☐ Y ☑ N	☐ F

19. Do you own the entire historical place of use for all water rights proposed for change?	☐ Y ☑ N	☐ F
a. If no, was the water historically used for sale, rental, distribution, municipal use, or any other context in which water is being supplied to another and it is clear that the ultimate user would not accept the supply without consenting to the use of water on the user's place of use?	☐ Y ☑ N	☐ F
i. If no,		
1. List the water rights for which you do not own the entire historical place of use. 76LJ 9218-00 and 76LJ 30008069	☐ A	☐ F
2. Are the water rights listed in question 19.a.i.1 severed from the historical POU?	☐ Y ☑ N	☐ F
a. If yes, do you own the entirety of the severed water rights proposed for change?	☐ Y ☐ N	☐ F
i. If yes, skip to question 20. If no, answer question 19.a.i.3.		
b. If no, answer question 19.a.i.3.		
3. Are all owners of the historical place of use or, if applicable, owners of the severed water rights, willing to sign the application?	☐ Y ☑ N	☐ F
a. If no,		
i. A Form 641 or 642 to split the water rights being changed must be received and processed by the Department prior to application submittal.		
ii. Describe how the water rights will be split, and which part of the split water rights will be proposed for change. 76LJ 9218-00 and 76LJ 30008069 will be split with proportional flow rate and volume retained utilizing a basis of historically irrigated acres. Change will include a new POD and change place of use to encompass property	☐ A	☐ F
20. Are you proposing to add a point of diversion or place of use on State of Montana Trust Land?	☐ Y ☑ N	☐ F
a. If yes,		
i. Documentation of consent from the DNRC Trust Lands Management Division will be required at application submittal.		
ii. Do you propose to add a place of use on Trust Land with all points of diversion on private land? If yes, the change authorization will be temporary for the duration of the lease term (§85-2-441, MCA); answer temporary change project-specific questions 94 to 100.	☐ Y ☐ N	☐ F

21. 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
22. Is the application to change the purpose of use or place of use of an appropriation of 4,000 or more acre-feet (AF) of water a year and 5.5 or more cubic feet per second (CFS)? If yes, you must submit a Reasonable Use Addendum (Form 606-B) with the application. The reasonable use criteria are found in §85-2-402(4-5), MCA.	☐ Y ☑ N	☐ F
23. Will you be transporting water for use outside of Montana? If yes, you will need to 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
24. 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
25. Does the application include a mitigation, aquifer recharge, or marketing for mitigation/aquifer recharge purpose? If yes, answer mandatory questions 124 to 129. Additionally, you may choose to answer non-mandatory questions 185 to 190. A Mitigation Addendum (Form 600/606-MIT) will be required with application submittal.	☐ Y ☑ N	☐ F
26. Does the application include the water marketing purpose? This does not include marketing for mitigation/aquifer recharge. If yes, answer the following question. Additionally, you may choose to answer non-mandatory questions 191 to 195. A Water Marketing Purpose Addendum (Form 600/606-WMA) will be required with application submittal.	☐ Y ☑ N	☐ F
a. For what purposes will the marketed water be used? _____ _____ _____	☐ A	☐ F
27. Does the proposed purpose include instream flow? If yes, answer mandatory questions for instream flow changes 130 to 136. Additionally, you may choose to answer non-mandatory questions 180 to 184. A Change to Instream Flow Addendum (Form 606-IFA) will be required with application submittal.	☐ Y ☑ N	☐ F
28. Will the proposed use include water made available through creation of a “water saving method” (i.e., salvage water) as defined in ARM 36.12.101? If yes, answer questions 137 to 141 for Salvage Water.	☐ Y ☑ N	☐ F

Historical Use

The following questions are mandatory and must be filled out for both Surface Water and Groundwater Applications before the Preapplication Meeting Form is determined to be complete.

Questions, Narrative Responses, and Tables	Check-boxes	Follow-Up
29. What is the water right type for each water right proposed for change? Answer question 30 for each Statement of Claim, question 31 for each Provisional Permit, and question 32 for water right that is not a Statement of Claim or Provisional Permit. 76LJ 9218-00 is a Statement of Claim and 76LJ 30008069 is a Provisional Permit	☐ A	☐ F
30. In the table below, write the water right number for each Statement of Claim proposed for change in the "Statement of Claim Number" column. If there is one or more previous change authorizations, write the application numbers for the change authorizations in the "Previous Change Authorization Number" column. If there are no previous change authorizations, write "none" in the "Previous Change Authorization Number" column and "N/A" in all the remaining columns. Write the date of the Project Completion Notice for each previous change authorization in the "Project Completion Notice Date" column and if no Project Completion Notice has been submitted, write "none" instead. In the "Previous Historical Use Analysis Quality" column, describe the quality of the previous historical use analysis.	☐ A	☐ F

Statement of Claim Number	Previous Change Authorization Number	Project Completion Notice Date	Previous Historical Use Analysis Quality
76LJ 9218-00	none	N/A	

31. In the table below, write the water right number for each Provisional Permit proposed for change in the "Provisional Permit Number" column. In the "Project Completion Notice Date" column, write the date of the Project Completion Notice and if no Project Completion Notice has been submitted, write "none" instead. Write the application number for each previous change authorization in the "Previous Change Authorization Number" column. If there are no previous change authorizations, write "none" in the "Previous Change Authorization Number" column and "N/A" in all the remaining columns. Write the date of the Project Completion Notice for each previous change authorization in the "Previous Change Project Completion Notice" column and if no Project Completion Notice has been submitted, write "none" instead. In the "Previous Change Historical Use Analysis Quality" column, describe the quality of the previous historical use analysis.

☐ A ☐ F

Provisional Permit Number	Project Completion Notice Date	Previous Change Authorization Number	Previous Change Project Completion Notice Date	Previous Historical Use Analysis Quality
76LJ 30008069	12/21/2004	None	N/A	N/A

32. In the table below, write the water right number for each water right proposed for change that is not a Statement of Claim or Provisional Permit, the type of water right, and the completion date. If a Groundwater Certificate, the completion date will be the date of filing. If an exempt or non-filed water right, the completion date will be July 1, 1973. If there are one or more previous change authorizations, write the application number for each change authorization in the "Previous Change Authorization Number" column. If there are no previous change authorizations, write "none" in the "Previous Change Authorization Number" column and "N/A" in all the remaining columns. Write the date of the Project Completion Notice for each previous change authorization in the "Previous Change Project Completion Notice Date" column and if the previous change authorization does not have a Project Completion Notice, write "none" instead. In the "Previous Historical Use Analysis Quality" column, describe the quality of the previous historical use analysis.

☐ A ☐ F

Water Right Number	Water Right Type	Completion Date	Previous Change Authorization Number	Previous Change Project Completion Notice Date	Previous Historical Use Analysis Quality

33. Are there previous Montana Water Court approved stipulations, Water Master reports, or prior Montana Water Court or Department decisions related to the water right(s) being changed?	☐ Y ☑ N	☐ F
a. If yes, explain. _____ _____ _____ _____ _____ _____	☐ A	☐ F
34. Fill in the table below based on ARM 36.12.1902(1) and the information provided in questions 29 to 33. In column "Water Right Number", list all water rights proposed for change. Select one of the three historical use analysis options and fill in the required information associated with that option. Select "Full Historical Use Analysis N/A" only if an unperfected Provisional Permit will be used to serve as historical use in lieu of analysis. If the "Existing Historical Use Analysis" or "Full Historical Use Analysis N/A" option is selected, skip to question 57 because this section is complete.	☐ A	☐ F

Water Right No. Proposed for Change	**Historical Use Analysis Options**
76LJ 9218-00	☑ New Historical Use Analysis. Date for which historical use will be analyzed: 06/30/1973
	☐ Existing Historical Use Analysis. Change authorization number with existing Historical Use Analysis: _____
	☐ Full Historical Use Analysis N/A. Water right number serving as historical use in lieu of analysis: _____

76LJ 30008069	☑ New Historical Use Analysis. Date for which historical use will be analyzed: 12/21/2004
	☐ Existing Historical Use Analysis. Change authorization number with existing Historical Use Analysis: _____
	☐ Full Historical Use Analysis N/A. Water right number serving as historical use in lieu of analysis: _____
	☐ New Historical Use Analysis. Date for which historical use will be analyzed: _____
	☐ Existing Historical Use Analysis. Change authorization number with existing Historical Use Analysis: _____
	☐ Full Historical Use Analysis N/A. Water right number serving as historical use in lieu of analysis: _____

35. Do you have knowledge of historical use?	☑ Y ☐ N	☐ F
a. If yes,		
i. Is this firsthand knowledge?	☐ Y ☑ N	☐ F
ii. Who has this knowledge and what was their role? Historic aerial photographs, applicants/consultants	☐ A	☐ F
b. If no, where will the historical use data be derived? _____ _____	☐ A	☐ F

*Fill out the remaining Historical Use questions (questions 37 to 56) **one time for each** water right proposed for change. Use the "Additional Water Right Historical Use (606P)" sheet for each additional water right. You may answer **one time for all** water rights proposed for change that have the same purposes, place of use, supplemental water rights, points of diversion, period of use, conveyance, diverted volume parameters, and consumptive volume parameters.*

36. What is the water right number for which questions 37 to 56 will be answered? 76LJ 9218-00 (statement of claim)		☐ F

Historical Use: Place of Use

37. The historical use map submitted for question 8 must clearly identify the entire place of use for each overlapping water right that intersects the historical place of use. Does your historical use map meet this requirement?	☐ Y ☐ N	☑ F
38. Are you proposing to change all water rights associated with the historical place of use?	☐ Y ☐ N	☑ F
a. If no, identify the water rights associated with the historical place of use that are not included in this application. Provide the priority date for each water right and explain why all overlapping water rights are not included in the application. Include water received via contract from a company, district, or water users' association.	☐ A	☑ F

Water Right No.	Priority Date	Reason Not Included in Change

39. Answer the section of this question relevant to the historical purpose. If there is more than one purpose, then answer all relevant parts of this question.		
a. All purposes		
i. Does the legal land description from the abstract encompass the actual location of the historical place of use?	☑ Y ☐ N	☐ F
1. If no, explain the discrepancy and submit historical aerial photographs and/or other data sources to corroborate the location of these historical places of use, and, if a Statement of Claim, submit documentation of a written request submitted to the Water Court for amendment of the Claim. _____ _____	☐ S	☐ F
b. Irrigation		
i. Is the water right being changed a Statement of Claim?	☑ Y ☐ N	☐ F
1. If yes, does the Water Resources Survey corroborate the acres irrigated listed on the abstract?	☑ Y ☐ N	☐ F
a. If no, submit evidence that can corroborate the historical place of use, including the number of irrigated acres. This includes, but is not limited to, aerial photographs, irrigation journals, or logs.	☐ S	☐ F
2. If no, submit one or more aerial photographs that can corroborate the historical place of use, including the number of irrigated acres.	☐ S	☐ F
c. Lawn and garden		
i. Submit aerial photographs that can corroborate the historical place of use, including the number of irrigated acres.	☐ S	☐ F
d. Stock		
i. Submit aerial photographs, grazing records, or other records to corroborate the historical place of use.	☐ S	☐ F
ii. Did the stock drink direct from source or direct from ditch?	☐ Y ☐ N	☐ F
1. If no, submit data sources that make clear the location of the stock watering infrastructure.	☐ S	☐ F
e. Multiple domestic, domestic, municipal, mining, commercial, and other purposes		
i. Submit aerial photographs, deeds, other recorded documents or records, affidavits, or other published documents, such as magazine articles, to corroborate the historical place of use.	☐ S	☐ F

Historical Use: Point of Diversion

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical flow rate with the Historical Use Addendum (Form 606-HUA) may be eligible to skip question 42; see the Form 606-HUA for more information.

40. For all historical points of diversion, identify the means, location (¼ ¼ ¼ section), and if they are proposed for change. Label using the same POD ID letter as for the Historical Use Map (question 8).	☐ A	☐ F

POD ID	Means	Location (¼ ¼ ¼ Section)	Proposed for Change?
H1	pump	NW 1/4 NW 1/4 SE 1/4 Section 14 (76LJ 9218-00)	☑ Y ☐ N
			☐ Y ☐ N
			☐ Y ☐ N
			☐ Y ☐ N

41. Do the legal land descriptions from the abstract encompass the actual locations of all historical points of diversion?	☑ Y ☐ N	☐ F
a. If no, explain the discrepancy and submit historical aerial photographs and/or other data sources to corroborate the location of these historical points of diversion, and, if a Statement of Claim, submit documentation of a written request submitted to the Water Court for amendment of the Claim. _____ _____	☐ S	☐ F
42. Answer questions below related to the diversion means for each of the historical points of diversion.		
a. Headgate		
i. For each headgate, provide dimensions in feet (FT), slope of the channel at the headgate (%), material of the headgate, estimated historical capacity in gallons per minute (GPM) or cubic feet per second (CFS) and the method used to estimate historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8).	☐ A	☐ F

POD ID	Dimensions	Slope	Material	Estimated Capacity			Method
	FT	*%*		*Cap.*	*GPM*	*CFS*	
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	

b. Pump, dike, dam, or other surface water point of diversion		
i. For each pump, dike, dam, or other surface water point of diversion, provide an estimate of the historical capacity (GPM or CFS) and the method used to estimate the historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8).	☐ A	☐ F

POD ID	Estimated Capacity			Method
	Cap.	*GPM*	*CFS*	
H1: 76LJ 9218-00	5.57	☐	☑	Pump
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	

c. Well, pit, or other groundwater point of diversion		
i. For each well, pit, or other groundwater point of diversion, provide an estimate of the historical capacity (GPM or CFS) and the method used to estimate the historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8).	☐ A	☐ F

POD ID	Estimated Capacity			Method
	Cap.	*GPM*	*CFS*	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	

43. Do other water rights share any of the points of diversion?	☐ Y ☑ N	☐ F
a. If yes, list the water rights, their flow rates (GPM or CFS), and the nature of the relationship. Label using the same POD ID letter as for the Historical Use Map (question 8).	☐ A	☐ F

POD ID	Water Right No.	Flow Rate			Relationship
		Flow	*GPM*	*CFS*	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	

Historical Use: Period of Diversion

(Continue to answer questions for water right(s) identified in question 36.)

44. Are the period of diversion and the period of use the same?	☑ Y ☐ N	☐ F
a. If no,		
i. Why are they different? _____ _____	☐ A	☐ F
ii. Is there a place of storage?	☐ Y ☑ N	☐ F
45. When was water diverted for the purposes of the water rights being changed?	☐ A	☐ F

Start Date (Month (MM)/Day (DD))	End Date (MM/DD)
05/1	09/30

46. Does the Department have a standard, found in ARM 36.12.112, for the period of diversion for all purposes for which water is used?	☑ Y ☐ N	☐ F
a. If yes, does the period of diversion for all purposes fall within Department standards?	☑ Y ☐ N	☐ F
b. If no, or if any period of diversion falls outside Department standards, explain how the period of diversion is reasonable for the purpose. _____ _____ _____ _____	☐ A	☐ F

Historical Use: Historical Diverted Volume

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical diverted volume with the Historical Use Addendum (Form 606-HUA) may be eligible to skip question parts of question 47; see the Form 606-HUA for more information.

47. Answer all relevant sections of this question based on whether the historical purpose was irrigation, non-irrigation, or both.		
a. Irrigation		
i. Do you want ARM 36.12.1902(10) to be used to calculate historical diverted volume?	☑ Y ☐ N	☐ F
1. If no, submit a Historical Water Use Addendum (Form 606-HUA). Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
ii. What were the crop(s) grown? alfalfa hay		☐ F
1. For hay, how many cuttings were there per season and how many days did cuttings last? Did irrigation cease throughout the place of use for cuttings? For other crops, explain whether irrigation regularly ceased within the irrigation season. For all crops, explain whether diversions ceased during times irrigation did not occur. _____ _____ _____	☐ A	☑ F

b. Non-irrigation		
i. Explain your historical diversion schedule, with sufficient detail to estimate the volume of water historically diverted. This may include, but is not limited to, days per year water was historically diverted or the number of diversions per year and the duration of each diversion.	☐ A	☐ F
ii. Explain water diverted but not consumed by the non-irrigation purpose(s). This includes, but is not limited to, wastewater discharge and conveyance loss. Ditch-Specific Questions (questions 110 to 111) will gather information necessary for estimating losses from conveyance ditches.	☐ A	☐ F
iii. Did historical diversions serve more than one non-irrigation purpose?	☐ Y ☑ N	☐ F
1. If yes, how much of the diversions served each non-irrigation purpose and how did you determine this?	☐ A	☐ F
48. Did diversions ever regularly cease within the period of use due to insufficient water in source or calls based on priority date?	☐ Y ☑ N	☐ F
a. If yes, please explain.	☐ A	☐ F

Historical Use: Historical Consumed Volume

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical consumptive volume with the Historical Use Addendum (Form 606-HUA) may be eligible to skip parts of question 50; see the Form 606-HUA for more information.

49. What are the historical purposes? Mark each purpose and answer the applicable questions below. ☑ Irrigation. Answer question 50. ☐ Lawn and garden. Answer question 51. ☐ Stock. Answer question 52. ☐ Domestic and multiple domestic. Answer question 53. ☐ Municipal. Answer question 54. ☐ Other. Answer question 55.		

50. Irrigation		
a. Will you use Department standards for historical consumptive use as defined in ARM 36.12.1902?	☑ Y ☐ N	☐ F
i. If no,		
1. What method will you use to determine historical consumptive use?	☐ A	☐ F
2. Submit a Historical Water Use Addendum (Form 606-HUA) to the Department. Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
ii. If yes,		
1. What is the historical irrigation method type and subtype? Irrigation method types include flood and sprinkler. Flood irrigation subtypes include level border, graded border, furrow, contour ditch, or wild flood. Sprinkler subtypes include wheel line and center pivot. Method - sprinkler, subtype - wheel line/hand line	☐ A	☐ F
2. What was the slope (%) of the historical place of use? N/A		☐ F

3. Are there any factors beyond irrigation method type/subtype and place of use slope that may influence percent efficiency of irrigation?	☐ Y ☑ N	☐ F
a. If yes, submit evidence to support the modified percent efficiency of irrigation in the Historical Water Use Addendum (Form 606-HUA). These factors may include infrastructure age, soil characteristics, or field improvements. Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
4. Based on answers to the above questions, what is the percent efficiency of irrigation? 70		☐ F
5. What is the County Management Factor? Flathead 87.6		☐ F
6. What is evapotranspiration (ET) based on the irrigation method and county? Flathead County - Whitefish IWR Sprinkler - 15.74 inches		☐ F
7. What percent of applied water are irrecoverable losses per ARM 36.12.1902(17)? 10%		☐ F

51. Lawn and garden		
a. Will you use a Department standard for historical consumptive use volume for lawn and garden? Department standards include 2.5 acre-feet per acre, or a calculated volume based on Irrigation Water Requirements for turf grass.	☐ Y ☐ N	☐ F
i. If yes, which standard? _____		☐ F
ii. If no, please provide an estimate of historical water use based on expert analysis and methods used to determine this estimate. _____ _____	☐ A	☐ F

52. Stock		
a. Which volume standard for animal units applies to historical use and why? The standards are either 15 gallons per animal unit per day for new appropriations or 30 gallons per animal unit per day for claims. _____	☐ A	☐ F
b. How many animal units were historically served? _____		☐ F
c. Did these animal units rely entirely on the water right(s) proposed for change for their full water demand?	☐ Y ☐ N	☐ F
i. If no, explain. _____ _____	☐ A	☐ F

53. Domestic and multiple domestic		
a. How many households were served? _____		☐ F
b. Will the Department standard of 1 acre-foot per household be used? The same standard shall be applied to historical and proposed uses.	☐ Y ☐ N	☐ F
i. If no, what standard will be used? _____		☐ F
c. Did the historical use include wastewater disposal and treatment?	☐ Y ☐ N	☐ F
i. If yes, which of the following best describes the wastewater disposal and treatment system? Individual drain fields, central treatment facility with minimal consumption, or evaporation basin or land application? _____	☐ A	☐ F

54. Municipal		
a. What is the volume of water (AF) historically consumed for municipal purposes? _____		☐ F
b. Submit evidence to support historical municipal use. The data sources may include records that tie water use to the U.S Census, estimates of historical system capacity and estimates of leakage.	☐ S	☐ F

55. Other		
a. Specify the other purposes. _____		☐ F
b. What is the volume of water (AF) historically consumed for other purposes? _____		☐ F
c. Submit evidence to support the volume of water historically consumed.	☐ S	☐ F

Historical Use: Historical Places of Storage

(Continue to answer questions for water right(s) identified in question 36.)

56. Did the historical use include 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)).	☐ Y ☑ N	☐ F
a. If yes, for each historical place of storage please provide the surface area in acres (AC), capacity (AF), annual net evaporation (FT/YR), and number of times per year the place of storage was filled.	☐ A	☐ F

ID	Surface Area (AC)	Capacity (AF)	Annual Net Evaporation (FT/YR)	# of Annual Fillings

Surface Water

☑ **Applicable**, move on to question 57. ☐ **Not Applicable**, skip to question 66.

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

Return Flow Analysis

Questions, Narrative Responses, and Tables	Check-boxes	Follow-Up
57. Do the purposes of the water rights proposed for change include irrigation?	☑ Y ☐ N	☐ F
a. If yes, does the proposed change include a change in place of use *and/or* a change in purpose? If you propose to retire acres in the historical place of use and/or add new acres outside the historical place of use, this constitutes a change in place of use.	☑ Y ☐ N	☐ F
i. If yes, a return flow analysis is required. Move on to answer question 58.		
ii. If no, this section is complete, and you may skip to question 94.		
58. Does the proposed change include a change in purpose?	☐ Y ☑ N	☐ F
a. If yes, consumptive use information is collected in the Change in Purpose section (questions 101 to 108), skip to question 59.		
b. If no, go to question 59.		
59. Does the proposed change include a change in place of use? If yes, move on to question 60. If no, skip to question 63.	☑ Y ☐ N	☐ F

60. Submit a map showing the new, unchanged historical, and retired historical places of use. Create map on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, and north arrow. If you have shapefiles associated with this map, in addition to submitting an image of the map, please submit electronic copies of the shapefiles to the Department.	☐ S	☑ F
61. How many acres, if any, will be retired from the historical place of use? 0		☐ F
62. Are irrigated acres proposed that are outside the historical place of use?	☑ Y ☐ N	☐ F
a. If yes,		
i. How many acres? total max 20.33 acres (13.93 & 6.4). system will operate within bounds of the two historic POUs		☐ F
ii. What is the proposed irrigation method type (e.g., flood or sprinkler) and subtype (e.g., level border, graded border, furrow, contour ditch, wild flood, center pivot, or wheel line) for the new acres? Sprinkler, hand line		☐ F
iii. What is the slope (%) of the new place of use? NA		☐ F
iv. Based on 62.a.ii to 62.a.iii, what is the percent efficiency of irrigation for the new acres? 70%		☐ F
v. What is the County Management Factor for the new acres? Flathead County - 96.6%		☐ F
vi. What is the ET based on the irrigation method and county for the new acres? 15.74		☐ F
vii. What percent of applied water are irrecoverable losses for new acres? 10%		☐ F
63. Do you have information for the Department to consider about the source and location where return flows historically accrued?	☐ Y ☑ N	☐ F
a. If yes, submit this information to the Department.	☐ S	☐ F

Extended Return Flow Analysis

64. Based on the preliminary data provided by the Department at this preapplication meeting, to what surface water sources do return flows accrue before and after the proposed change? **Return flow 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 return flow data changes during technical analyses, then the analysis of impacts to identified surface water rights 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).* Stillwater River	☐ A	☐ F
65. If an extended return flow analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect, do you elect to answer non-mandatory questions 149 to 154 to provide information required for this extended analysis?	☑ Y ☐ N	☐ F
a. If yes, go to question 149. This information will be used if an extended return flow analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect.		
b. If no, did you elect in question 1 for the Department to conduct technical analyses?	☐ Y ☐ N	☐ F
i. If yes, do you elect for the Department to use publicly available water quantity data for the extended return flow analysis? If the extended return flow analysis is needed and sufficient publicly available water quantity data are not available, then the Department will not be able to conduct the extended analysis. You will still have to prove a lack of adverse effect from the proposed change.	☐ Y ☐ N	☐ F
ii. If no, you may still include the extended return flow analysis with your technical analyses. The Department will include the extended analysis in its scientific credibility review of your technical analyses. You will still need to prove a lack of adverse effect from the proposed change.		

GROUNDWATER

☐ **Applicable**, move on to question 66. ☑ **Not Applicable**, skip to question 94.

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

Groundwater Analysis for Changes

Questions, Narrative Responses, and Tables	Check-boxes	Follow-Up
66. Does the proposed change include a change in point of diversion?	☐ Y ☐ N	☐ F
a. If no, this section is complete; skip to question 77.		
b. If yes, a groundwater analysis for changes is required; answer questions specific to the groundwater diversion type.		
i. What is the groundwater diversion type? _____		☐ F

Well/Pumping Pit	Answer questions 67 to 72	**Developed Spring**	Answer question 73	**Pond**	Answer questions 74 to 76

Groundwater Analysis: Well/Pumping Pit

☐ Applicable ☐ Not Applicable

67. 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

68. Submit Aquifer Test Data Form (Form 633) for each *new* well/pumping pit that will be constructed prior to technical analyses or *existing* well/pumping pit that is added by the change. If an aquifer test was already conducted for an *existing* well/pumping pit, and you would like to use that instead of conducting a new aquifer test, describe this in question 67.a. 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
69. 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
70. 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. 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)).		
71. Have all the wells/pumping pits been constructed?	☐ Y ☐ N	☐ F
a. If no,		
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 the 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
72. What is the flow rate (GPM or CFS), volume (AF), and period of diversion (MM/DD-MM/DD) required at each new well/pumping pit ("*new*") or existing well/pumping pit that is added by the change ("*existing*")? If the well/pumping pit is not yet constructed, use the estimated volume based on question 71.a.iii.2. What is the well/pumping pit depth (FT), if available, or estimated well/pumping pit depth (FT)? Label using the same POD ID number as the Proposed Use Map (question 9) and, if available, GWIC ID. List whether the POD is *new* or an *existing* well added by the change.	☐ A	☐ F

POD ID	**GWIC ID**	**Flow Rate**			**Volume**	**Period of Diversion**	**Depth**	**Measured or Estimated**	**New or Existing**
	(if available)	*Flow*	*GPM*	*CFS*	*AF*	*MM/DD-MM/DD*	*FT*		
			☐	☐					
			☐	☐					
			☐	☐					
			☐	☐					
			☐	☐					

Groundwater Analysis: Developed Spring

☐ Applicable ☐ Not Applicable

73. Have you measured each *new* developed spring or *existing* developed spring that will be added by the change?	☐ Y ☐ N	☐ F
a. If yes, submit the measurements to the Department 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 the Department standard of monthly flow measurements taken at regular intervals or at department-approved intervals during the proposed period of diversion?	☐ Y ☐ N	☐ F
b. If no, or if measurements do not comply with the Department standard, answer the following questions. The Department cannot deem the preapplication meeting form adequately completed until the Department receives measurements that meet the Department standard.		
i. When do you plan to measure? _____	☐ A	☐ F
ii. With what method and at what interval will measurements be collected? _____ _____	☐ A	☐ F

Groundwater Analysis: Pond

☐ Applicable ☐ Not Applicable

74. 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
75. Submit bathymetry data, survey, or engineering plans for each *new* pond added or *existing* pond added or modified by the proposed change. Label using the same POD ID number as the Proposed Use Map (question 9). List whether the pond is *new* or an *existing* pond.	☐ S	☐ F
76. Are any of the *new* ponds, or *existing* ponds added or modified by the proposed change the pond, fed or drained by surface water in addition to groundwater?	☐ 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 for Changes

77. Does the proposed change include any of the following scenarios that necessitate a surface water depletion analysis pursuant to ARM 36.12.1303(5)(c)? • Change in point of diversion • Change in place of use, purpose of use, or place of storage that result in a change in consumptive use or pumping schedule.	☐ Y ☐ N	☐ F
a. If no, this section is complete; skip to question 85.		
b. If yes, a surface water depletion analysis is required; answer questions specific to the groundwater diversion type.		
i. What is the groundwater diversion type? _____		☐ F

Well/Pumping Pit	Answer questions 78 to 79	**Developed Spring**	Answer question 80	**Pond**	Answer questions 81 to 82

Surface Water Depletion Analysis: Well/Pumping Pit

☐ Applicable ☐ Not Applicable

78. Provide the following information for each well/pumping pit on the current version of the water rights proposed for change that will either remain on the water rights after the change ("*unchanged*") or will be retired ("*retired*"): flow rate (GPM or CFS), volume (AF), period of diversion required (MM/DD-MM/DD), well/pumping pit depth (FT) (if available, otherwise or estimated well/pumping pit depth (FT)), and whether it is *unchanged* or *retired*. Please use the same POD ID as the Historical Use Map (question 8) and, if available, provide the GWIC ID number.	☐ A	☐ F

POD ID	**GWIC ID** *(if available)*	**Flow Rate** *Flow Rate*	*GPM*	*CFS*	**Volume** *AF*	**Period of Diversion** *MM/DD-MM/DD*	**Depth** *FT*	**Measured or Estimated**	**Unchanged or Retired**
			☐	☐					
			☐	☐					
			☐	☐					
			☐	☐					
			☐	☐					

79. Provide the pumping schedule for each well/pumping pit (*new*, *existing*, *unchanged*, or *retired*) for both *before* and *after* the proposed change. Use the same POD ID as the project maps. For *new* and *existing* wells/pumping pits, use the Proposed Use Map (question 9). For *unchanged* and *retired* wells/pumping pits use the Historical Use Map (question 8). Attach any additional pumping schedules using *"Additional Pumping Schedule (606P)" sheet*. For *retired* wells/pumping pits, mark "N/A" checkbox for after the change and for *new* wells/pumping pits, mark "N/A" checkbox for before the change. Mark the checkbox "Diverted volume/# of Days" if it is a year-round use and the pump schedule is an allocation of diverted volume by the number of days in the month. Mark the checkbox "80% dry year IWR" if it is an irrigation/lawn and garden use and the pump schedule is the 80% dry year net irrigation requirement (IWR, NRCS 2003).	☐ A	☐ F

(Before) POD ID				**(After) POD ID**			
☐ Diverted volume/# of Days ☐ 80% dry year IWR ☐ N/A				☐ Diverted volume/# of Days ☐ 80% dry year IWR ☐ N/A			
Month	**Volume (AF)**	**Month**	**Volume (AF)**	**Month**	**Voume (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 Depletion Analysis: Developed Spring

☐ Applicable ☐ Not Applicable

80. Is the type of groundwater diversion for your proposed project a developed spring? If yes, skip to question 85 because no surface water depletion analysis will be necessary.	☐ Y ☐ N	☐ F

Surface Water Depletion Analysis: Pond

☐ Applicable ☐ Not Applicable

81. Are there any ponds on the current version of the water rights proposed for change that will remain on the water rights unchanged ("*unchanged*") or will be retired ("*retired*")? If yes,	☐ Y ☐ N	☐ F
a. Did you skip questions 74 to 76 because there is no change in POD? If yes,	☐ Y ☐ N	☐ F
i. 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
b. Submit bathymetry data, survey, or engineering plans for each *unchanged* pond or *retired* pond. Label the submittal with the POD ID and whether the pond is *unchanged* or *retired*.	☐ S	☐ F
c. Are any of the *unchanged* or *retired* ponds fed or drained by surface water, in addition to groundwater?	☐ Y ☐ N	☐ F
i. If yes,		
1. Explain. _____ _____ _____	☐ A	☐ F
2. Submit measurements of the connected surface water source. These may include inflow and outflow measurements.	☐ S	☐ F

82. Provide the schedule of diversions for out-of-pond use for each pond (*new*, *existing*, *unchanged*, or *retired*) for both *before* and *after* the proposed change. Use the same POD ID as the project maps. For *new* and *existing* ponds, use the Proposed Use Map (question 9). For *unchanged* and *retired* ponds use the Historical Use Map (question 8). Attach any additional diversion schedules using the same format as the table below. For *retired* ponds, mark "N/A" checkbox for after the change and for *new* ponds, mark "N/A" checkbox for before the change. Mark the checkbox "Diverted volume/# of Days" if it is a year-round use and the diversion schedule is an allocation of diverted volume by the number of days in the month. Mark the checkbox "80% dry year IWR" if it is an irrigation or lawn and garden use and the diversion schedule is the 80% dry year net irrigation requirement (IWR, NRCS 2003).	☐ A	☐ F

(Before) POD ID				**(After) POD ID**			
☐ Diverted volume/# of Days ☐ 80% dry year IWR ☐ N/A				☐ Diverted volume/# of Days ☐ 80% dry year IWR ☐ N/A			
Month	**Diversions for Out-of-Pond Use Volume (AF)**	**Month**	**Diversions for Out-of-Pond Use Volume (AF)**	**Month**	**Diversions for Out-of-Pond Use Volume (AF)**	**Month**	**Diversions for Out-of-Pond Use 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	

Extended Surface Water Depletion Analysis

83. Based on the preliminary net depletion data provided by the Department at this preapplication meeting, what are the hydraulically connected surface water sources before and after the proposed change? **Net depletion data provided by the Department at the preapplication meeting are preliminary and are subject to change during the technical analyses. If the source or location of net depletion data changes during the technical analyses, then the extended surface water depletion analysis 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).* _____ _____ _____	☐ A	☐ F

84. If an extended surface water depletion analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect, do you elect to answer non-mandatory questions 157 to 161 to provide information required for this extended surface water depletion analysis?	☐ Y ☐ N	☐ F
a. If yes, go to question 156. This information will be used if an extended surface water depletion analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect.		
b. If no, did you elect in question 1 for the Department to conduct technical analyses?	☐ Y ☐ N	☐ F
i. If yes, do you elect for the Department to use publicly available water quantity data for the extended surface water depletion analysis? If this extended surface water depletion analysis is needed and sufficient publicly available water quantity data are not available, then the Department will not be able to conduct the extended surface water depletion analysis. You will still need to prove a lack of adverse effect from the proposed change.	☐ Y ☐ N	☐ F
ii. If no, you may still include the extended surface water depletion analysis with your technical analyses. The Department will include the extended analysis in its scientific credibility review of your technical analyses. You will still need to prove a lack of adverse effect from the proposed change.		

Return Flow Analysis

85. Do the purposes of the water rights proposed for change include irrigation?	☐ Y ☐ N	☐ F
a. If yes, does the proposed change include a change in place of use *and/or* a change in purpose? If you propose to retire acres in the historical place of use and/or add new acres outside the historical place of use, this constitutes a change in place of use.	☐ Y ☐ N	☐ F
i. If yes, a return flow analysis is required. Move on to answer question 86.		
ii. If no, this section is complete, and you may skip to question 94.		
86. Does the proposed change include a change in purpose?	☐ Y ☐ N	☐ F
a. If yes, consumptive use information is collected in the Change in Purpose section (questions 101 to 108), skip to question 87.		
b. If no, skip to question 87.		
87. Does the proposed change include a change in place of use? If yes, move on to question 88. If no, skip to question 91.	☐ Y ☐ N	☐ F

88. Submit a map showing the new, unchanged historical, and retired historical places of use. Create map on an aerial photograph or topographic map that shows the following: section corners, township and range, scale bar, and north arrow. If you have shapefiles associated with this map, in addition to submitting an image of the map, please submit electronic copies of the shapefiles to the Department.	☐ S	☐ F
89. How many acres, if any, will be retired from the historical place of use? _____		☐ F
90. Are irrigated acres proposed that are outside the historical place of use?	☐ Y ☐ N	☐ F
a. If yes,		
i. How many acres? _____		☐ F
ii. What is the proposed irrigation method type (e.g., flood or sprinkler) and subtype (e.g., level border, graded border, furrow, contour ditch, wild flood, center pivot, or wheel line) for the new acres? _____	☐ A	☐ F
iii. What is the slope (%) of the new place of use? _____		☐ F
iv. Based on question 90.a.ii to 90.a.iii, what is the percent efficiency of irrigation for the new acres? _____		☐ F
v. What is the County Management Factor for the new acres? _____		☐ F
vi. What is the ET based on the irrigation method and county for the new acres? _____		☐ F
vii. What percent of applied water are irrecoverable losses for new acres? _____		☐ F
91. Do you have information for the Department to consider about the source and location where return flows historically accrued?	☐ Y ☐ N	☐ F
a. If yes, submit this information to the Department.	☐ S	☐ F

Extended Return Flow Analysis

92. Based on the preliminary data provided by the Department at this preapplication meeting, to what surface water sources do return flows accrue before and after the proposed change? **Return flow data provided by the Department at the preapplication meeting are preliminary and are subject to change during technical analyses. If the source or location of return flow data changes during technical analyses, then the analysis of impacts to identified surface water rights 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).* _____ _____	☐ A	☐ F
93. If an extended return flow analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect, do you elect to answer non-mandatory questions 149 to 155 to provide information required for this extended analysis?	☐ Y ☐ N	☐ F
a. If yes, go to question 149. This information will be used if an extended return flow analysis is necessary to analyze impacts to identified surface water rights for the purpose of evaluating adverse effect.		
b. If no, did you elect in question 1 for the Department to conduct technical analyses?	☐ Y ☐ N	☐ F
i. If yes, do you elect for the Department to use publicly available water quantity data for the extended return flow analysis? If the extended return flow analysis is needed and sufficient publicly available water quantity data are not available, then the Department will not be able to conduct the extended analysis. You will still have to prove a lack of adverse effect from the proposed change.	☐ Y ☐ N	☐ F
ii. If no, you may still include the extended return flow analysis with your technical analyses. The Department will include the extended analysis in its scientific credibility review of your technical analyses. You will still need to prove a lack of adverse effect from the proposed change.		

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.

Temporary Change

Questions, Narrative Responses, and Tables	Check-boxes	Follow-Up
94. Does the proposal include a temporary change? *This includes proposing to add a place of use on State of Montana Trust Land, with all points of diversion on private land, because the change authorization will be temporary for the duration of the lease term.* If yes, answer the questions in this section (questions 95 to 100). If no, this section is complete; skip to question 100.	☐ Y ☑ N	☐ F
95. What elements of the water rights are being temporarily changed? _____		☐ F
96. For what purpose will the water rights be temporarily used? _____		☐ F
97. For how many years will the water rights be temporarily changed? _____		☐ F
98. Will the temporary change be intermittent over the years?	☐ Y ☐ N	☐ F
a. If yes, explain. _____	☐ A	☐ F
99. Is the quantity of water subject to the temporary change being made available from the development of a new water conservation or storage project?	☐ Y ☐ N	☐ F
a. If yes, explain the water conservation or storage project. _____ _____ _____	☐ A	☐ F
100. If you are answering Project-Specific Questions as they are referenced in Application Details, return to question 17 if you are proposing to add a place of use on State of Montana Trust Land and question 20.a.ii if you are proposing a temporary change that does not involve State of Montana Trust Land. If you are answering in consecutive order, go to question 101.		

Change in Purpose

101. Does the project involve a change in purpose? If yes, answer the questions in this section (questions 102 to 108). If no, this section is complete; skip to question 108.	☐ Y ☑ N	☐ F
102. Identify the new and unchanged purposes, flow rate (GPM or CFS), volume (AF), period of diversion, and period of use (MM/DD-MM/DD) for each purpose.	☐ A	☐ F

Purpose	**New or Unchanged?**	**Period of Diversion** *(MM/DD-MM/DD)*	**Period of Use** *(MM/DD-MM/DD)*	**Flow Rate** *Flow Rate*	*GPM*	*CFS*	**Volume** *(AF)*
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	
			Total		☐	☐	

103. Answer the questions specific to each new and unchanged purpose identified in question 102.							
Lawn and garden	Question 104	**Stock**	Question 105	**Domestic and multiple domestic**	Question 106	**Other purpose**	Question 107

104. Lawn and garden		
a. Will consumptive use be based on the standard of 2.5 acre-feet per acre or a calculated volume based on Irrigation Water Requirements for turf grass?	☐ Y ☐ N	☐ F
i. If yes, which standard? _____		☐ F
ii. If no, describe how consumptive use will be estimated. This must be based on expert analysis. _____ _____	☐ A	☐ F
105. Stock		
a. How many animal units will be served? _____		☐ F

106. Domestic and multiple domestic		
a. How many households will be served? _____		☐ F
b. Will the Department standard of 1 acre-foot per household be used to determine consumptive use?	☐ Y ☐ N	☐ F
i. If no, what standard will be used? _____	☐ A	☐ F
c. Will the proposed use include wastewater disposal and treatment?	☐ Y ☐ N	☐ F
i. If yes, which of the following best describes the wastewater disposal and treatment system? Individual drain fields, central treatment facility with minimal consumption, or evaporation basin or land application? _____		☐ F
107. Other purpose		
a. What is the other purpose (e.g., municipal, commercial)? _____		☐ F
b. What is the percentage of consumption for the proposed use? Please explain. _____ _____ _____	☐ A	☐ F
108. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 14 and if you are answering in consecutive order, go to question 109.		

Ditch-Specific Questions

Applications corroborating historical diverted volume with the Historical Use Addendum (Form 606-HUA) may be eligible to skip one or more questions in this section; see the Form 606-HUA for more information.

109. Does the historical use of water include at least one conveyance ditch? If yes, answer questions 110 to 111. If no, skip to question 112.	☐ Y ☑ N	☐ F
110. Submit a Historical Use Ditch Map that shows every ditch conveying water for the historical use of all water rights proposed for change. Label the ditch names, PODs, the POUs, and the ditch measurement locations (requested in question 111.d). The map should be created on a historical image or topographic map with the following: section corners, township and range, scale bar, and north arrow.	☐ S	☐ F

111. Answer question 111.a to 111.h one time for each historical conveyance ditch. If there is more than one historical conveyance ditch, use an "Additional Historical Ditch (606P)" sheet for each additional ditch.		
a. What is the ditch name? _____		☐ F
b. List the water rights proposed for change that were conveyed by the ditch. _____ _____		☐ F
c. What is the distance water was historically carried by the conveyance ditch? Only include segments between the POD and start of the POU; do not include segments within the POU. _____	☐ A	☐ F
d. Provide at least one set of ditch measurements, which include width (FT), depth (FT), and slope (%). Discuss ditch characteristics with DNRC to determine the minimum number of ditch measurements. Include the location of each measurement, labeled with the 2-digit measurement ID number, used on the map submitted for question 110.	☐ S	☐ F

ID #	Width (FT)	Depth (FT)	Slope (%)	Date of Measurement

e. What is a reasonable Manning's n value? List the factors used for estimation. If you do not know this value, please work through estimation with the Department. _____ _____	☐ A	☐ F
f. What type of soils compose the historical conveyance ditch? For lined ditches, write "lined" instead. _____ _____	☐ A	☐ F

g. Are other water rights conveyed by the historical conveyance ditch?	☐ Y ☐ N	☐ F
i. If yes,		
1. List the water right numbers and their flow rates. _____ _____ _____	☐ A	☐ F
2. What is the sum of the flow rates, including the water rights proposed for change? _____	☐ A	☐ F
3. Submit a map with your best estimate of the historical POUs for the other water rights conveyed by the historical conveyance ditch. Include only POUs between the historical POD and your historical POU. If you do not know this information, the Department can help you create the map. The map should be created on an aerial photograph or topographic map and show the following: section corners, township and range, scale bar, and north arrow.	☐ S	☐ F
h. Were any water rights proposed for change part of one historical water right that was split?	☐ Y ☐ N	☐ F
i. If yes, were all split water rights split in such a way to ensure each post-split water right could stand alone and not be reliant on the others for carriage water?	☐ Y ☐ N	☐ F
1. If no, do any of the water rights proposed for change have a carriage water requirement?	☐ Y ☐ N	☐ F
a. If yes,		
i. List the water rights with a carriage water requirement _____		☐ F
ii. Update your Historical Use Ditch Map (question 110) to label the ditch segments where a carriage water requirement exists for a water right proposed for change. Also, use your best estimate to label the POUs for all water rights included in the carriage water requirement. If you do not know this information, the Department can help you update the map.	☐ S	☐ F
112. Does the proposed use include at least one existing or new conveyance ditch? If yes, answer questions 113 to 114. If no, or if you answered these questions earlier in the preapplication meeting, this section is complete; skip to question 115.	☐ Y ☑ N	☐ F

113. Submit a Proposed Use Ditch Map that shows every ditch conveying the water rights proposed for change, including any unchanged portions. Label all unchanged and proposed PODs, all unchanged and proposed POUs, and additional ditch measurement locations (requested in question 114.e). The map should be created on an aerial photograph or topographic map with the following: section corners, township and range, scale bar, and north arrow.	☐ S	☐ F
114. Answer the questions 114.a to 114.i one time for each proposed use conveyance ditch. Use an "Additional Proposed Use Ditch (606P)" sheet for each additional ditch.		
a. What is the ditch name? _____		☐ F
b. Is this ditch a historical conveyance ditch detailed in questions 110 to 111?	☐ Y ☐ N	☐ F
i. If yes, have any of the following details changed, to the best of your knowledge, from historical conditions: ditch length, distance water conveyed, ditch lining, or water rights conveyed by the ditch?	☐ Y ☐ N	☐ F
1. If yes, answer questions 114.c to 114.i using current data.		
2. If no, do not answer questions 114.c to 114.i for this ditch because the information remains unchanged. Move on to the next proposed use conveyance ditch, or if none remain, skip to question 115.		
c. List the water rights proposed for change that are going to be conveyed by the ditch. _____		☐ F
d. What is the distance water will be carried by the conveyance ditch? Only include segments between the POD and start of the POU; do not include segments within the POU. _____ _____	☐ A	☐ F
e. Provide at least one set of ditch measurements, which include width (FT), depth (FT), and slope (%). Discuss ditch characteristics with DNRC to determine the minimum number of ditch measurements. Include the location of each measurement, labeled with the 2-digit measurement ID number, used on the map submitted for question 113.	☐ S	☐ F

ID #	Width (FT)	Depth (FT)	Slope (%)	Date of Measurement

f. What is a reasonable Manning's n value? List the factors used for estimation. If you do not know this value, please work through estimation with the Department. _____ _____	☐ A	☐ F
g. What type of soils compose the proposed conveyance ditch? For lined ditches, write "lined" instead. _____ _____	☐ A	☐ F
h. Are other water rights conveyed by the proposed conveyance ditch?	☐ Y ☐ N	☐ F
i. If yes,		
1. List the water right numbers and their flow rates. _____ _____ _____	☐ A	☐ F
2. What is the sum of the flow rates, including the water rights proposed for change? _____	☐ A	☐ F
3. Submit a map with your best estimate of the location of current POUs for the other water rights conveyed by the proposed conveyance ditch. Include only POUs between the POD and your proposed POU. If you do not know this information, the Department can help you create the map. The map should be created on an aerial photograph or topographic map and show the following: section corners, township and range, scale bar, and north arrow.	☐ S	☐ F
i. Were any water right(s) proposed for change identified as having a carriage water requirement in question 111.h.i.1.a.i?	☐ Y ☐ N	☐ F
i. If yes, update your Proposed Use Ditch Map (question 113) to label the ditch segments where a carriage water requirement exists for a water right proposed for change. Also, use your best estimate to label the POUs for all water rights included in the carriage water requirement. If you do not know this information, the Department can help you update the map.	☐ S	☐ F
115. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 15 and if you are answering in consecutive order, go to question 116.		

Change in Place of Storage

116. Does the project involve a change in place of storage? If yes, answer the questions in this section (questions 117 to 122) for each individual place of storage. Use an "Additional Place of Storage (606P)" sheet for additional places of storage. If no, this section is complete; skip to question 123.	☐ Y ☑ N	☐ F
117. Is this application to add a new place of storage or change an existing place of storage? _____		☐ F
a. If application is to change an existing place of storage, list the water rights that include the place of storage and a short description of the proposed change. _____ _____	☐ A	☐ F
118. Is the place of storage located on-stream?	☐ Y ☐ N	☐ F
a. If no, describe any losses related to conveyance that are not detailed in "Ditch-Specific Questions." _____ _____ _____	☐ A	
119. What is the proposed capacity of the place of storage? 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)* _____	☐ S	☐ F
120. What is the proposed surface area of the place of storage? _____	☐ A	☐ F
121. 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	☐ F
122. Will the place of storage be lined?	☐ Y ☐ N	☐ F
123. If you are answering Project-Specific Questions as they are referenced in Application Details, return to question 16 and if you are answering in consecutive order, go to question 109.		

Mitigation, Aquifer Recharge, and Marketing for Mitigation/Aquifer Recharge

124. Does your application include one of the following purposes? If no, this section is complete; skip to question 129.	☐ Y ☑ N	☐ F
a. Mitigation water. If yes, answer question 125 and 126.	☐ Y ☐ N	☐ F
b. Aquifer recharge water. If yes, answer question 125 and 127.	☐ Y ☐ N	☐ F
c. Marketing for mitigation/aquifer recharge. If yes, answer question 128.	☐ Y ☐ N	☐ F
125. Mitigation Water and Aquifer Recharge Water		
a. Identify the water right(s) for which the mitigation/aquifer recharge water will be used. _____	☐ A	☐ F
b. Identify the application or preapplication number where these water rights were identified as needing mitigation or aquifer recharge to meet the adverse effect criterion. _____	☐ A	☐ F
c. What is the timing, flow rate, and volume of net depletions identified as needing mitigation or aquifer recharge to meet the adverse effect criterion?	☐ A	☐ F

Month	**Days**	**Flow Rate**			**Volume**	**Month**	**Days**	**Flow Rate**			**Volume**
		Flow	*GPM*	*CFS*	*AF*			*Flow*	*GPM*	*CFS*	*AF*
January			☐	☐		July			☐	☐	
February			☐	☐		August			☐	☐	
March			☐	☐		September			☐	☐	
April			☐	☐		October			☐	☐	
May			☐	☐		November			☐	☐	
June			☐	☐		December			☐	☐	

d. Will other water contribute to the need for mitigation or aquifer recharge water? This may include water rights with a mitigation or aquifer recharge purpose, marketing for mitigation contracts, or mitigation water secured via other types of contracts.	☐ Y ☐ N	☐ F
i. If yes, describe the origin of this water and in the table below, list how much it will contribute. _____	☐ A	☐ F

Month	**Days**	**Flow Rate**			**Volume**	**Month**	**Days**	**Flow Rate**			**Volume**
		Flow	*GPM*	*CFS*	*AF*			*Flow*	*GPM*	*CFS*	*AF*
January			☐	☐		July			☐	☐	
February			☐	☐		August			☐	☐	
March			☐	☐		September			☐	☐	
April			☐	☐		October			☐	☐	
May			☐	☐		November			☐	☐	
June			☐	☐		December			☐	☐	

126. Mitigation Water		
a. What is legal land description (¼ ¼ ¼ section of start and end) and length (ft) of the mitigation reach? _____	☐ A	☐ F
b. By what means will mitigation water be made available? You must submit a copy of all relevant discharge permits at application submittal (§85-2-364, MCA). _____ _____ _____	☐ A	☐ F
127. Aquifer Recharge Water		
a. What is the legal land description (¼ ¼ ¼ section) of the start of net depletions for which the aquifer recharge water will be used? _____	☐ A	☐ F

	b. What is the volume of net depletions that will be offset by the aquifer recharge water? *The volume of aquifer recharge water injected may not equal the volume of net depletions.* _____	☐ A	☐ F
	c. Describe the method of aquifer recharge. Include, if available, a preliminary design. You must submit a copy of all relevant discharge permits at application submittal (§85-2-364, MCA). _____ _____ _____ _____	☐ A	☐ F
	d. Describe any constraints on the aquifer recharge schedule, such as priority date limitations. _____ _____	☐ A	☐ F
	e. What is the proposed area or location of aquifer recharge? *The location is subject to refinement during technical analyses; this will not constitute a change of any element to the proposed application pursuant to ARM 36.12.1302(6)(a).* _____ _____ _____	☐ A	☐ F
128.	Marketing for Mitigation/Aquifer Recharge		
	a. What is the proposed location of the reach where water is to be marketed (¼ ¼ ¼ section of the start and the end of the reach)? _____	☐ A	☐ F
	b. Is this marketing for mitigation	☐ Y ☐ N	☐ F
	i. If yes, by what means will water be made available? _____ _____ _____ _____	☐ A	☐ F

c. Is this marketing for aquifer recharge?	☐ Y ☐ N	☐ F
i. If yes,		
1. Describe the method of aquifer recharge. Include, if available, a preliminary design. You must submit a copy of all relevant discharge permits at application submittal (§85-2-364, MCA). _____ _____ _____ _____	☐ A	☐ F
2. What is the volume of water that will be used for aquifer recharge? _____	☐ A	☐ F
3. Describe any constraints on the aquifer recharge schedule, such as priority date limitations. _____ _____	☐ A	☐ F
4. What is the proposed area or location of aquifer recharge? *The location is subject to refinement during technical analyses; this will not constitute a change of any element to the proposed application pursuant to ARM 36.12.1302(6)(a).* _____ _____ _____	☐ A	☐ F
d. Describe your ability to measure and operate all existing diversions to adjust flow rate as water is sold or leased. _____ _____ _____ _____	☐ A	☐ F

e. How will you cease diversions for the existing beneficial use as water is sold or leased? _____ _____ _____	☐ A	☐ F
129. If you are answering Project-Specific Questions as they are referenced in Application Details, return to question 25 and if you are answering in consecutive order, go to question 130.		

Instream Flow

130. Does the project involve an instream flow change? If yes, answer the questions in this section (questions 131 to 136). If no, this section is complete; skip to question 136.	☐ Y ☑ N	☐ F
131. What is the source name where streamflow will be maintained or enhanced? _____		☐ F
132. What is the location (¼ ¼ ¼ section of start and end of reach) and length (FT) of the protected reach? _____	☐ A	☐ F
133. Describe the way the streamflow is to be maintained or enhanced. _____ _____	☐ A	☐ F
134. Do you propose to retire all water use associated with the historical purposes throughout the entire period of use? This includes conveyance loss associated with historical ditches.	☐ Y ☐ N	☐ F
a. If no, describe the proposed change to existing purposes, including flow rate, volume, and, if applicable, acres. _____ _____ _____ _____	☐ A	☐ F
135. Do historical and proposed return flows accrete to the source of supply? The Department provides an initial estimate of the source(s) that historical and proposed returns flows accrete to at the preapplication meeting.	☐ Y ☐ N	☐ F

136. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 27 and if you are answering in consecutive order, go to question 137.		

Salvage Water

137. Does this project involve salvage water? Salvage water does not include destroying phreatophytes, removing vegetation, converting to a less consumptive crop, or converting to a partial irrigation schedule. If yes, answer the questions in this section (questions 138 to 141). If no, this section is complete; skip to question 141.	☐ Y ☑ N	☐ F
138. What water saving method was implemented? This may include lining an unlined ditch or canal, converting unlined ditch or canal to pipeline, converting high profile or high-pressure sprinklers to low pressure, and others. _____ _____	☐ A	☐ F
139. How much water was salvaged from implementation of the water saving method? Include flow rate (GPM or CFS) and volume (AF). _____		☐ F
140. How did you determine the amount of water salvaged? _____ _____ _____ _____	☐ A	☐ F
141. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 28 and if you are answering in consecutive order, go to question 142.		

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
142. Describe your plan to ensure that existing water rights will be satisfied during times of water shortage.	☐ A
143. Explain how you can control your diversion in response to call being made.	☐ A
144. Are you aware of any calls that have been made on any source of supply or depleted surface water source?	☐ Y ☐ N
a. If yes, explain.	☐ A
145. Does a water commissioner distribute water or oversee water distribution on your proposed source or depleted surface water source?	☐ Y ☐ N
a. If yes, list the sources and explain.	☐ A
146. Describe how the change will or will not affect your ability to make call.	☐ A

147. When was the last time each water right proposed for change was appropriated and used beneficially? If there has been a period of nonuse, answer questions 147.a to 147.d. _____	
a. Why was the water right not used? _____ _____	☐ A
b. Why will a resumption of use not adversely affect other water users? _____ _____ _____	☐ A
c. Is the period of nonuse greater than 10 years for any of the water rights proposed for change? If yes, list which water rights. _____	☐ Y ☐ N
d. Have water rights been authorized to use the source during the period of nonuse for any of the water rights proposed for change? If yes, explain. _____ _____	☐ Y ☐ N
148. Is this a point of diversion change?	☐ Y ☐ N
a. If yes,	
i. Are the proposed points of diversion upstream or downstream of the historical points of diversion? _____	
ii. Are there intervening water users between the historical and proposed points of diversion?	☐ Y ☐ N
1. If yes, list the water rights. _____ _____	☐ A

iii. Will any new points of diversion or conveyance infrastructure be shared with one or more existing water rights?	☐ Y ☐ N
1. If yes, describe how capacity of the new shared point of diversion and/or conveyance infrastructure is sufficient for all water rights. _____ _____ _____	☐ A

Adverse Effect: Evaluation of Impacts to Identified Surface Water Rights for Return Flow Analysis

149. Respond to questions in this section if you elected in questions 65 or 93 to answer optional questions 150 to 154. Answer one time for each surface water source receiving return flows. Use "Additional Return Flow Source (606P)" sheet if there is more than one source. If you did not elect to answer these questions or answered these questions earlier in the preapplication meeting, this section is complete; skip to question 155.	
150. What is the surface water source for which you are answering questions 151 to 154? Stillwater River	
151. Are stream gage data available?	☑ Y ☐ N
a. If yes, answer question 152.	
b. If no, answer question 153.	
152. Stream gage data are available	
a. Is one stream gage located above, and one stream gage located below the location where return flows accrue?	☐ Y ☑ N
i. If no, is only one stream gage located near the location where return flows accrue?	☑ Y ☐ N
1. If yes, is the stream gage upstream or downstream? Downstream	
b. List the gage name(s). Write "N/A" for Gage 2 if one gage available. Gage 1: USGS 12365000 Gage 2: NA	

c. What is the distance between the gage(s) and the location where return flows accrue? Write "N/A" for Gage 2 if one gage available. Gage 1: Approx. 18 river miles Gage 2: NA	
d. Is there a limiting or controlling factor on the source between the stream gage(s) and the location where return flows accrue? This includes dams that control the flow and streams with large gaining and/or losing reaches.	☐ Y ☑ N
i. If yes, explain. _____ _____	☐ A
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: >10 years Gage 2: NA	
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: USGS Gage 2: NA	
g. Is each available stream gage operated and maintained by USGS or DNRC?	☑ Y ☐ N
i. If yes, skip to question 152.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: _____	
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
a. Gage 1.	☐ Y ☐ N
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

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
a. Gage 1.	☐ Y ☐ N
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
4. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N
a. Gage 1.	☐ Y ☐ N
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
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 when return flows accrue?	☑ Y ☐ N
i. If yes, record how many meet the standard, then skip to question 155 because this section is complete. 1	
ii. If no, answer question 153.	
153. 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 when return flows accrue, is the source otherwise measured?	☐ Y ☐ N
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 154.	
b. If yes,	
i. Submit measurements to the Department.	☐ S
ii. Who collected the measurements? _____	☐ A

iii. With what method were the data collected? _____ _____	☐ A
iv. What is the period of record? _____	
v. What is the frequency of measurement? _____	
vi. Are there gaps in the data?	☐ Y ☐ N
1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____	☐ A
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N
1. If yes, explain. _____ _____	
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 when return flows accrue?	☐ Y ☐ N
1. If yes, this section is complete. Skip to question 155.	
2. If no, answer question 154.	
154. 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
a. If yes,	
i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____	☐ A

ii. Describe the estimation technique. _____ _____ _____ _____ _____	☐ A
b. If no, but a Department-accepted estimation technique will be appropriate for the source receiving return flows:	
i. Will measurements be collected prior to submission of a completed Form 606P-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
1. If yes,	
a. With what method will the data be collected? _____ _____	☐ A
b. What will be the interval of measurement? _____	
c. Describe the proposed estimation technique. _____ _____ _____ _____	☐A
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? Neither the Department's technical analyses nor scientific credibility review of your technical analyses can commence until the Department receives measurements that meet Department measurement standards, or in combination with an approved request for variance from these standards, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	☐ Y ☐ N

c. If no, because no Department-accepted estimation technique will be appropriate for the source receiving return flows:	
i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics. _____ _____ _____	☐ A
ii. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard for monthly measurements throughout the months when return flows accrue?	☐ Y ☐ N
1. If no, will measurements be collected prior to submission of a completed Form 606P that meet the Department's standard of monthly measurements throughout the months when return flows accrue?	☐ Y ☐ N
a. If yes, with what method will the data be collected? _____ _____	☐ A
b. If no, do you plan on requesting a variance to deviate from the Department's standard for monthly measurements throughout the months when return flows accrue? 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 for a variance from these standards are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	☐ Y ☐ N
155. If you went straight to this section when referenced, go back to question 65 for surface water changes and question 93 for groundwater changes. If you waited to answer in consecutive order and have completed all prior sections, move to question 156.	

Adverse Effect: Evaluation of Impacts to Identified Water Rights for Surface Water Depletion Analysis

156. Respond to questions in this section if you elected in question 84 to answer optional questions 157 to 161. Answer one time for each hydraulically connected source. Use "Additional Hydraulically Connected Source (606P)" sheet if there is more than one source. If you did not elect to answer these questions or answered these questions earlier in the preapplication meeting, this section is complete; skip to question 162.	

157. What is the surface water source for which you are answering questions 158 to 161? _____	
158. Are stream gage data available?	☐ Y ☐ N
a. If yes, answer question 159.	
b. If no, answer question 160.	
159. Stream gage data are available	
a. Is one stream gage located above and one stream gage located below the point of net depletion accumulation?	☐ Y ☐ N
i. If no, is only one stream gage located near the point of net depletion accumulation?	☐ Y ☐ N
1. If yes, is the stream gage upstream or downstream? _____	
b. List the gage name(s). Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____	
c. What is the distance between the gage(s) and the point of net depletion accumulation? Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____	
d. Is there a limiting or controlling factor on the source between the stream gage(s) and the point where net depletions accrue? This includes dams that control the flow and streams with large gaining and/or losing reaches.	☐ Y ☐ N
i. If yes, explain. _____ _____	☐ A
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____	

f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____	
g. Is each available stream gage operated and maintained by USGS or DNRC?	☐ Y ☐ N
i. If yes, skip to question 159.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: _____	
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
a. Gage 1.	☐ Y ☐ N
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
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
a. Gage 1.	☐ Y ☐ N
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
4. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N
a. Gage 1.	☐ Y ☐ N
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

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
i. If yes, record how many meet the standard, then skip to question 162 because this section is complete. _____	
ii. If no, answer question 160.	
160. 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
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 161.	
b. If yes,	
i. Submit measurements to the Department.	☐ S
ii. Who collected the measurements? _____	☐ A
iii. With what method were the data collected? _____ _____	☐ A
iv. What is the period of record? _____	
v. What is the frequency of measurement? _____	
vi. Are there gaps in the data?	☐ Y ☐ N
1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____	☐ A

vii. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N
1. If yes, explain. _____ _____	
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
1. If yes, this section is complete. Skip to question 162.	
2. If no, answer question 161.	
161. 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
a. If yes,	
i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____	☐ A
ii. Describe the estimation technique. _____ _____ _____ _____ _____	☐ A
b. If no, but a Department-accepted estimation technique will be appropriate for the hydraulically connected source:	
i. Will measurements be collected prior to submission of a completed Form 606P-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
1. If yes,	
a. With what method will the data be collected? _____ _____	☐ A

b. What will be the interval of measurement? _____	
c. Describe the proposed estimation technique. _____ _____ _____ _____	☐ A
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
c. If no, because no Department-accepted estimation technique will be appropriate for the hydraulically connected source:	
i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics. _____ _____ _____	☐ A
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
1. If no, will measurements be collected prior to submission of a completed Form 606P that meet the Department's standard of monthly measurements throughout the months with net depletions?	☐ Y ☐ N
a. If yes, with what method will the data be collected? _____ _____	☐ A

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 to deviate, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	☐ Y ☐ N
162. If you went straight to this section when referenced, go back to question 84. If you waited to answer in consecutive order and have completed all prior sections, move to question 163.	

Adequate Means of Diversion and Operation

163. Submit a diagram of how you will operate your system from the point of diversion to the place of use.	☐ S
164. 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
165. Describe the size, materials, capacity, and configuration of infrastructure to convey water from point of diversion to place of use. _____ _____ _____ _____	☐ A
166. Does the proposed conveyance require easements?	☐ Y ☐ N
a. If yes, explain. _____ _____	☐ A
167. Do you propose to add a point of diversion?	☐ Y ☐ N
a. If yes, do you own the land where all proposed points of diversion are located?	☐ Y ☐ N
i. 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.	

168. Describe your plan of operations, including 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
169. 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

170. 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 water use falls within or outside the standard. _____ _____	
171. If no 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
172. 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, have you researched or consulted with DEQ regarding those requirements?	☐ Y ☐ N
173. 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

174. 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, do you own all proposed places of use?	☐ Y ☐ N
i. If no, 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

Non-Mandatory Project-Specific Questions

Change in Place of Storage

175. Does the project include one or more places of storage? If yes, answer questions 176 to 178 for each individual place of storage (use "Additional Place of Storage (606P)" sheet for additional places of storage). A Change Storage Addendum (606-SA) will be required at application submittal. If no, this section is complete; skip to question 179.	
176. Are preliminary designs available? Preliminary designs will be required at application submittal.	☐ Y ☐ N
a. If yes, submit preliminary designs.	☐ S
177. Will a drainage device be installed?	☐ Y ☐ N
178. Is the place of storage capacity calculated to be greater than 50 acre-feet?	☐ 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?	☐ Y ☐ N

179. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 16 and if you are answering in consecutive order, go to question 180.	

Instream Flow Change

180. You may respond to the questions in this section if the project involves an instream flow purpose and you choose to answer the non-mandatory questions. Otherwise, this section is complete, skip to question 184.	
181. Does the protected reach begin at the existing point of diversion?	☐ Y ☐ N
a. If no, does the protected reach begin upstream of or downstream from the existing point of diversion? _____	
182. Provide initial details about a streamflow measuring plan, which include the points where measurements occur, the interval of measurement, and the methods and equipment used. A complete streamflow measuring plan will be required for the application. _____ _____ _____ _____ _____ _____	☐ A
183. Provide initial details about an operation plan, which may include the proposed protected flow rate (GPM or CFS), proposed protected volume (AF), and the proposed protected period. If you propose a trigger flow, please explain. A complete operation plan, based on the technical analyses, will be required for the application. _____ _____ _____ _____	☐ A
184. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 27 and if you are answering in consecutive order, go to question 185.	

Mitigation, Aquifer Recharge, and Marketing for Mitigation

185. You may respond to the questions in this section if the project involves mitigation, aquifer recharge, or marketing for mitigation, and you choose to answer the non-mandatory questions. Otherwise, this section is complete, skip to question 190. For mitigation water, answer questions 186, 187, and 188. For aquifer recharge water, answer questions 187 and 188. For marketing for mitigation/aquifer recharge, answer question 189.	
186. Do the water rights proposed for change to mitigation water have a period of use that is greater than or equal to the period when mitigation is necessary?	☐ Y ☐ N
a. If no, how will mitigation water be made available during the entire period when mitigation is necessary? _____ _____ _____	☐ A
187. How do the priority dates of the water rights proposed for change compare to other water rights on the source? _____ _____	☐ A
188. Do you have measurement records or Water Commissioner records that show the reliability of the water rights proposed for change to a mitigation water or aquifer recharge purpose?	☐ Y ☐ N
a. If yes, submit them to the Department.	☐ S
189. Describe the need for marketing for mitigation/aquifer recharge. _____ _____ _____ _____	☐ A
190. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 25 and if you are answering in consecutive order, go to question 191.	

Water Marketing

191. You may respond to the questions in this section if the project includes the water marketing purpose, and you choose to answer the non-mandatory questions. This does not include marketing for mitigation. Otherwise, this section is complete, skip to question 195.	☐ Y ☐ N

192. How will you control or limit access to the water? _____ _____	☐ A
193. Do you have contracts for the entire volume and flow rate sought?	☐ Y ☐ N
194. Submit 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
195. If you are answering Project Specific Questions as they are referenced in Application Details, return to question 26 and if you are answering in consecutive order, go to Follow-Up section.	

FOLLOW-UP

The table below will identify all questions marked for follow-up. Applicant follow-up will be submitted with the completed Preapplication Meeting Form: Part B (Form 606P-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 606P-A) signed at the Preapplication Meeting**. Instead, the Applicant must use the Amended Responses procedure defined in Form 606P-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 606P-B.*

QUESTION #	NOTES
8	Map - proposed conveyance structures; existing PODs are considered the historical PODs
9	Refine maps
13.a.iii.	WRs overlapping or supplementing the historical & proposed POUs
37	Tied to Q8 for follow-up
38	Proposing to change for all WRs associated with the historical POU
38.a.	List WRs not proposed for change (if there are any overlapping WRs)
PP1: 39.b.2.	Submitting photos corroborating historical POU
47.a.ii.1	Hay cutting information
60	Map and submitting electronic shapefiles; map for new, unchanged historical & retired POUs

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.

Selena Sauer on behalf of my Client Claire Conway 9/11/2025

Applicant Signature Date

Selena Sauer of behalf of my client Arden Hoffman 9/11/2025

Applicant Signature Date

9/11/2025

Department Signature Date

APPLICATION TO CHANGE A WATER RIGHT

ADDITIONAL WATER RIGHT HISTORICAL USE SHEET (606P)

§ 85-2-402, MCA

Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y") or no ("N"). 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 606P-Preapplicaction Meeting Form: Part A. 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 on this form must be marked. Label all units in narrative responses and tables. Label all attachments and submitted items with the question number.

Use one sheet per water right.

What additional water right is the sheet for? 76LJ 30008069

Assign a three-character identifier for the water right (for example, "SC1" or "GC3"): PP1

When referencing question numbers in attachments, submittals, follow-ups, and amended responses, use the following format:

- ***Question number - three-character identifier. For example, "38.a-SC1" or "38.a-GC3".***

Fill out the remaining Historical Use questions (questions 37 to 56) ***one time for each*** *water right proposed for change. Use the "Additional Water Right Historical Use (606P)" sheet for each additional water right. You may answer* ***one time for all*** *water rights proposed for change that have the same purposes, place of use, supplemental water rights, points of diversion, period of use, conveyance, diverted volume parameters, and consumptive volume parameters.*

36. What is the water right number for which questions 37 to 56 will be answered? 76LJ 30008069		☐ F

Historical Use: Place of Use

37. The historical use map submitted for question 8 must clearly identify the entire place of use for each overlapping water right that intersects the historical place of use. Does your historical use map meet this requirement?	☐ Y ☐ N	☑ F
38. Are you proposing to change all water rights associated with the historical place of use?	☐ Y ☐ N	☑ F
a. If no, identify the water rights associated with the historical place of use that are not included in this application. Provide the priority date for each water right and explain why all overlapping water rights are not included in the application. Include water received via contract from a company, district, or water users' association.	☐ A	☐ F

Water Right No.	Priority Date	Reason Not Included in Change

39. Answer the section of this question relevant to the historical purpose. If there is more than one purpose, then answer all relevant parts of this question.		
a. All purposes		
i. Does the legal land description from the abstract encompass the actual location of the historical place of use?	☑ Y ☐ N	☐ F
1. If no, explain the discrepancy and submit historical aerial photographs and/or other data sources to corroborate the location of these historical places of use, and, if a Statement of Claim, submit documentation of a written request submitted to the Water Court for amendment of the Claim. _____ _____	☐ S	☐ F
b. Irrigation		
i. Is the water right being changed a Statement of Claim?	☐ Y ☑ N	☐ F
1. If yes, does the Water Resources Survey corroborate the acres irrigated listed on the abstract?	☐ Y ☐ N	☐ F
a. If no, submit evidence that can corroborate the historical place of use, including the number of irrigated acres. This includes, but is not limited to, aerial photographs, irrigation journals, or logs.	☐ S	☐ F

2. If no, submit one or more aerial photographs that can corroborate the historical place of use, including the number of irrigated acres.	☐ S	☑ F
c. Lawn and garden		
i. Submit aerial photographs that can corroborate the historical place of use, including the number of irrigated acres.	☐ S	☐ F
d. Stock		
i. Submit aerial photographs, grazing records, or other records to corroborate the historical place of use.	☐ S	☐ F
ii. Did the stock drink direct from source or direct from ditch?	☐ Y ☐ N	☐ F
1. If no, submit data sources that make clear the location of the stock watering infrastructure.	☐ S	☐ F
e. Multiple domestic, domestic, municipal, mining, commercial, and other purposes		
i. Submit aerial photographs, deeds, other recorded documents or records, affidavits, or other published documents, such as magazine articles, to corroborate the historical place of use.	☐ S	☐ F

Historical Use: Point of Diversion

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical flow rate with the Historical Use Addendum (Form 606-HUA) may be eligible to skip question 42; see the Form 606-HUA for more information.

40. For all historical points of diversion, identify the means, location (¼ ¼ ¼ section), and if they are proposed for change. Label using the same POD ID letter as for the Historical Use Map (question 8 of the Change Preapplication Meeting Form).	☐ A	☐ F

POD ID	Means	Location (¼ ¼ ¼ Section)	Proposed for Change?
H2	Pump	SW 1/4 NW 1/4 SW 1/4 Section 24 (76LJ 30008069)	☑ Y ☐ N
			☐ Y ☐ N
			☐ Y ☐ N
			☐ Y ☐ N

41. Do the legal land descriptions from the abstract encompass the actual locations of all historical points of diversion?	☑ Y ☐ N	☐ F
a. If no, explain the discrepancy and submit historical aerial photographs and/or other data sources to corroborate the location of these historical points of diversion, and, if a Statement of Claim, submit documentation of a written request submitted to the Water Court for amendment of the Claim. _____ _____	☐ S	☐ F

42. Answer questions below related to the diversion means for each of the historical points of diversion.		
a. Headgate		
i. For each headgate, provide dimensions in feet (FT), slope of the channel at the headgate (%), material of the headgate, estimated historical capacity in gallons per minute (GPM) or cubic feet per second (CFS) and the method used to estimate historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8 of the Change Preapplication Meeting Form).	☐ A	☐ F

POD ID	Dimensions	Slope	Material	Estimated Capacity			Method
	FT	*%*		*Cap.*	*GPM*	*CFS*	
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	
					☐	☐	

b. Pump, dike, dam, or other surface water point of diversion		
i. For each pump, dike, dam, or other surface water point of diversion, provide an estimate of the historical capacity (GPM or CFS) and the method used to estimate the historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8 of the Change Preapplication Meeting Form).	☐ A	☐ F

POD ID	Estimated Capacity			Method
	Cap.	*GPM*	*CFS*	
H2	650	☑	☐	Pump
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	

c. Well, pit, or other groundwater point of diversion		
i. For each well, pit, or other groundwater point of diversion, provide an estimate of the historical capacity (GPM or CFS) and the method used to estimate the historical capacity. Label using the same POD ID letter as for the Historical Use Map (question 8 of the Change Preapplication Meeting Form).	☐ A	☐ F

POD ID	Estimated Capacity			Method
	Cap.	*GPM*	*CFS*	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	

43. Do other water rights share any of the points of diversion?	☐ Y ☑ N	☐ F
a. If yes, list the water rights, their flow rates (GPM or CFS), and the nature of the relationship. Label using the same POD ID letter as for the Historical Use Map (question 8 of the Change Preapplication Meeting Form).	☐ A	☐ F

POD ID	Water Right No.	Flow Rate			Relationship
		Flow	*GPM*	*CFS*	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	

Historical Use: Period of Diversion

(Continue to answer questions for water right(s) identified in question 36.)

44. Are the period of diversion and the period of use the same?	☑ Y ☐ N	☐ F
a. If no,		
i. Why are they different? _____ _____	☐ A	☐ F
ii. Is there a place of storage?	☐ Y ☐ N	☐ F

45. When was water diverted for the purposes of the water rights being changed?	☐ A	☐ F

Start Date (Month (MM)/Day (DD))	End Date (MM/DD)
05/01	09/30

46. Does the Department have a standard, found in ARM 36.12.112, for the period of diversion for all purposes for which water is used?	☑ Y ☐ N	☐ F
a. If yes, does the period of diversion for all purposes fall within Department standards?	☑ Y ☐ N	☐ F
b. If no, or if any period of diversion falls outside Department standards, explain how the period of diversion is reasonable for the purpose. _____ _____ _____ _____	☐ A	☐ F

Historical Use: Historical Diverted Volume

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical diverted volume with the Historical Use Addendum (Form 606-HUA) may be eligible to skip question parts of question 47; see the Form 606-HUA for more information.

47. Answer all relevant sections of this question based on whether the historical purpose was irrigation, non-irrigation, or both.		
a. Irrigation		
i. Do you want ARM 36.12.1902(10) to be used to calculate historical diverted volume?	☑ Y ☐ N	☐ F
1. If no, submit a Historical Water Use Addendum (Form 606-HUA). Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
ii. What were the crop(s) grown? Alfalfa hay		☐ F

1. For hay, how many cuttings were there per season and how many days did cuttings last? Did irrigation cease throughout the place of use for cuttings? For other crops, explain whether irrigation regularly ceased within the irrigation season. For all crops, explain whether diversions ceased during times irrigation did not occur. _____ _____ _____	☐ A	☑ F
b. Non-irrigation		
i. Explain your historical diversion schedule, with sufficient detail to estimate the volume of water historically diverted. This may include, but is not limited to, days per year water was historically diverted or the number of diversions per year and the duration of each diversion. _____ _____ _____ _____	☐ A	☐ F
ii. Explain water diverted but not consumed by the non-irrigation purpose(s). This includes, but is not limited to, wastewater discharge and conveyance loss. Ditch-Specific Questions (questions 110 to 111 of the Change Preapplication Meeting Form) will gather information necessary for estimating losses from conveyance ditches. _____ _____ _____ _____ _____	☐ A	☐ F
iii. Did historical diversions serve more than one non-irrigation purpose?	☐ Y ☐ N	☐ F
1. If yes, how much of the diversions served each non-irrigation purpose and how did you determine this? _____ _____ _____ _____	☐ A	☐ F

48. Did diversions ever regularly cease within the period of use due to insufficient water in source or calls based on priority date?	☐ Y ☑ N	☐ F
a. If yes, please explain. _____ _____ _____	☐ A	☐ F

Historical Use: Historical Consumed Volume

Continue to answer questions for water right(s) identified in question 36. Applications corroborating historical consumptive volume with the Historical Use Addendum (Form 606-HUA) may be eligible to skip parts of question 50; see the Form 606-HUA for more information.

49. What are the historical purposes? Mark each purpose and answer the applicable questions below. ☑ Irrigation. Answer question 50. ☐ Lawn and garden. Answer question 51. ☐ Stock. Answer question 52. ☐ Domestic and multiple domestic. Answer question 53. ☐ Municipal. Answer question 54. ☐ Other. Answer question 55.		

50. Irrigation		
a. Will you use Department standards for historical consumptive use as defined in ARM 36.12.1902?	☑ Y ☐ N	☐ F
i. If no,		
1. What method will you use to determine historical consumptive use?	☐ A	☐ F
2. Submit a Historical Water Use Addendum (Form 606-HUA) to the Department. Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
ii. If yes,		
1. What is the historical irrigation method type and subtype? Irrigation method types include flood and sprinkler. Flood irrigation subtypes include level border, graded border, furrow, contour ditch, or wild flood. Sprinkler subtypes include wheel line and center pivot. Method - sprinkler, subtype - wheel line/hand line	☐ A	☐ F
2. What was the slope (%) of the historical place of use? NA		☐ F
3. Are there any factors beyond irrigation method type/subtype and place of use slope that may influence percent efficiency of irrigation?	☐ Y ☑ N	☐ F
a. If yes, submit evidence to support the modified percent efficiency of irrigation in the Historical Water Use Addendum (Form 606-HUA). These factors may include infrastructure age, soil characteristics, or field improvements. Form 606-HUA must be submitted to the Department before the Preapplication Meeting Form is completed.	☐ S	☐ F
4. Based on answers to the above questions, what is the percent efficiency of irrigation? 70		☐ F
5. What is the County Management Factor? 94.5		☐ F
6. What is evapotranspiration (ET) based on the irrigation method and county? 15.74		☐ F
7. What percent of applied water are irrecoverable losses per ARM 36.12.1902(17)? 10		☐ F

51. Lawn and garden		
a. Will you use a Department standard for historical consumptive use volume for lawn and garden? Department standards include 2.5 acre-feet per acre, or a calculated volume based on Irrigation Water Requirements for turf grass.	☐ Y ☐ N	☐ F
i. If yes, which standard? _____		☐ F
ii. If no, please provide an estimate of historical water use based on expert analysis and methods used to determine this estimate. _____ _____	☐ A	☐ F

52. Stock		
a. Which volume standard for animal units applies to historical use and why? The standards are either 15 gallons per animal unit per day for new appropriations or 30 gallons per animal unit per day for claims. _____	☐ A	☐ F
b. How many animal units were historically served? _____		☐ F
c. Did these animal units rely entirely on the water right(s) proposed for change for their full water demand?	☐ Y ☐ N	☐ F
i. If no, explain. _____ _____	☐ A	☐ F
53. Domestic and multiple domestic		
a. How many households were served? _____		☐ F
b. Will the Department standard of 1 acre-foot per household be used? The same standard shall be applied to historical and proposed uses.	☐ Y ☐ N	☐ F
i. If no, what standard will be used? _____		☐ F
c. Did the historical use include wastewater disposal and treatment?	☐ Y ☐ N	☐ F
i. If yes, which of the following best describes the wastewater disposal and treatment system? Individual drain fields, central treatment facility with minimal consumption, or evaporation basin or land application? _____	☐ A	☐ F
54. Municipal		
a. What is the volume of water (AF) historically consumed for municipal purposes? _____		☐ F
b. Submit evidence to support historical municipal use. The data sources may include records that tie water use to the U.S Census, estimates of historical system capacity and estimates of leakage.	☐ S	☐ F

55. Other		
a. Specify the other purposes. _____		☐ F
b. What is the volume of water (AF) historically consumed for other purposes? _____		☐ F
c. Submit evidence to support the volume of water historically consumed.	☐ S	☐ F

Historical Use: Historical Places of Storage

(Continue to answer questions for water right(s) identified in question 36.)

56. Did the historical use include 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)).	☐ Y ☐ N	☐ F
a. If yes, for each historical place of storage please provide the surface area in acres (AC), capacity (AF), annual net evaporation (FT/YR), and number of times per year the place of storage was filled.	☐ A	☐ F

ID	Surface Area (AC)	Capacity (AF)	Annual Net Evaporation (FT/YR)	# of Annual Fillings

REQUEST FOR PREAPPLICATION MEETING

ARM 36.12.1302(2)

(Revised 02/2025)

For Department Use Only

Date Received _____

Received By _____

Scheduled Meeting Date _____

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** Arden Hoffman, Claire Conway

Mailing Address 22 Hills Lookout CT

City Whitefish State MT Zip 59937

Home Phone _____ Other Phone _____

Email: _____

2. **Representative Name** (if other than Applicant) Water & Environmental Technologies - Jamie Graham

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

Mailing Address 102 Cooperative Way, STE 100

City Kalispell State MT Zip 59901

Home Phone (406)309-6084 Other Phone _____

Email: jgraham@waterenvtech.com

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

☐ Permit ☑ Change

4. **Describe your project:**

The applicant acquired property adjacent to the Stillwater River and Farm to Market Road. The property was historically irrigated agricultural land, which has been subdivided and will now be utilized as a rural residence. The applicant's property encompasses a portion of the areas served by two existing surface water rights including Statement of Claim 76LJ 9218-00 (total flow rate of 5.57 CFS, historic volume est. 477.66-AF) and Provisional Permit 76LJ 30008069 (total flow rate of 650 GPM, max volume of 439.48-AF). The applicant is seeking to retain flow rates and volumes proportional to the irrigated areas within their property, including 55 GPM and 10.5 AF for 9218-00 and 55 gpm 36.01 AF for 3008069 for a combined flow rate of 110 GPM and volume of 46.51 AF.

The applicant proposes to add a point of diversion on the Stillwater River with access via their property. Upon completion, the two water rights will share this proposed point of diversion and associated diversion infrastructure (piping, sprinklers) to supply irrigation water to the property.

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

a) The flow rate and volume of water required:

Flow Rate 110 ☑ GPM ☐ CFS Volume 46.51 Acre-Feet

b) The point of diversion:

Point of Diversion #1 NW 1/4 SW 1/4 SE 1/4 Section 14, Township 31 ☑ N ☐ S, Range 23 ☐ E ☑ W
County Flathead
Lot/Tract 2CB 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:

11.1	Acres	____	Lot	____	Block	____	1/4	SE	1/4	NE	1/4 Sec	14	, Twp	31	☑ N ☐	S, Rge	23	☐ E ☑ W
14.2	Acres	____	Lot	____	Block	____	1/4	SE	1/4	NE	1/4 Sec	23	, Twp	31	☑ 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

d) The source of water: Stillwater River

e) The proposed purpose: Irrigation

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

Type of water right Statement of Claim Basin 76LJ Water Right # 9218-00
Type of water right Provisional Permit Basin 76LJ Water Right # 30008069
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 #	9218-00	30008069			
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