




LRE Water  
 909 Colorado Avenue  
 Glenwood Springs, CO 81601  
 (970)-945-6777 Voice  
 (970)-945-1137 Facsimile

# Memorandum

**To:** BWCD BOARD OF DIRECTORS  
**From:** ERIC MANGEOT   
**CC:** CHRIS GEIGER  
**Date:** JUNE 15, 2022  
**File:** APPLICATION

**Applicant Name:** Christian Messner

**Type of Use:** Domestic  Commercial \_\_\_\_\_  
 Industrial \_\_\_\_\_ Agricultural \_\_\_\_\_

**Amount:** 1.0 AF 0.001 cfs 0.5 gpm

**Location:** Area A A-1 Area B \_\_\_\_\_ Inclusion \_\_\_\_\_  
 County: EAGLE Contiguous: \_\_\_\_\_  
 BWCD Division: 7

**Mid Valley Metro District Notice Required?** Yes \_\_\_\_\_ No

**Blue Creek Water Rights Applied?** Yes \_\_\_\_\_ No

**02CW77 Umbrella Plan Water Rights Applied?** Yes  No \_\_\_\_\_ **Cost:** \$1,200

This application is to cover depletions associated with a 0.12 surface acre pond on a 7.89 acre parcel of land owned by Christian Messner (Applicant) Total contract depletions are estimated at 1.0 acre-feet (AF) as shown on the attached tables. The calculations also include a reservoir fill of 0.5 AF in May.

The Applicant's property above Ruedi Reservoir in Section 6, Township 8 South, Range 84 West of the 6th P.M. in Eagle County (Parcel No. 2471-063-00-007) as shown on **Figure 1**. The physical address of the property is 450 Ruedi Creek Road. The property is outside of the Division 7 boundary and requires inclusion into the District.

The source of water for the pond is the Eureka Ditch located in the NW1/4 NE1/4 of Section 1, Township 8 South, Range 85 West of the 6th P.M. (UTM NAD83 Z13 4361903.7m N, 342383.5mE). The pond is located in the NW1/4 SW1/4 of Section 6, Township 8 South, Range 84 West of the 6th P.M. (UTM NAD83 Z13 4361126m N, 343094m E).

A copy of the water requirement table is attached along with a BWCD map showing the location of the property. The property was previously included into Division 7 of the District.

Water User :	Christian Messner	
Analysis Date :	June 15, 2022	
District Area:	A-1	
Source Series:	4	
Maximum Demand:	0.5	0.001
	(GPM)	(CFS)

BASALT WATER CONSERVANCY DISTRICT  
WATER REQUIREMENTS  
(acre feet)

Month	Total Demand						Consumptive Use						(13)* Delayed Depletions	(14) Source of Aug/Replace
	(1) Domestic In-house	(2) Pond Evap.	(3) Lawn Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evap.	(9) Lawn Irrigation	(10) Crop Irrigation	(11) Livestock	(12)* TOTAL		
January	0.000	0.004	0.000	0.000	0.000	0.004	0.000	0.004	0.000	0.000	0.000	0.004	0.004	GNM
February	0.000	0.012	0.000	0.000	0.000	0.012	0.000	0.012	0.000	0.000	0.000	0.013	0.013	GNM
March	0.000	0.024	0.000	0.000	0.000	0.024	0.000	0.024	0.000	0.000	0.000	0.027	0.027	GNM
April	0.000	0.036	0.000	0.000	0.000	0.036	0.000	0.036	0.000	0.000	0.000	0.040	0.040	GNM
May	0.000	0.550	0.000	0.000	0.000	0.550	0.000	0.550	0.000	0.000	0.000	0.611	0.611	GNM
June	0.000	0.062	0.000	0.000	0.000	0.062	0.000	0.062	0.000	0.000	0.000	0.069	0.069	GNM
July	0.000	0.064	0.000	0.000	0.000	0.064	0.000	0.064	0.000	0.000	0.000	0.071	0.071	GNM
August	0.000	0.052	0.000	0.000	0.000	0.052	0.000	0.052	0.000	0.000	0.000	0.058	0.058	GNM
September	0.000	0.044	0.000	0.000	0.000	0.044	0.000	0.044	0.000	0.000	0.000	0.049	0.049	GNM
October	0.000	0.030	0.000	0.000	0.000	0.030	0.000	0.030	0.000	0.000	0.000	0.033	0.033	GNM
November	0.000	0.016	0.000	0.000	0.000	0.016	0.000	0.016	0.000	0.000	0.000	0.018	0.018	GNM
December	0.000	0.006	0.000	0.000	0.000	0.006	0.000	0.006	0.000	0.000	0.000	0.007	0.007	GNM
<b>TOTALS --&gt;</b>	<b>0.000</b>	<b>0.900</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.900</b>	<b>0.000</b>	<b>0.900</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.000</b>	<b>1.000</b>	

Assumptions					
(1)	NUMBER OF RESIDENCES	0	(5)	# of Livestock @ 11 gals/day	0
	# persons/residence	3.5	(7)	% CU for Domestic/Commercial	15
	# gallons/person/day	100			
(2)	Commercial/Other Demand (af)	0.000	(9)	% Lawn Irrig. Efficiency	80
	Pond Evaporation + 0.5 AF Fill in May =	0.900		Consumption of Irrig. (af/ac)	0.000
		0.25			
		Acres			
(3)	Sq. Ft. of Lawn Irrigated	0	(10)	% Crop Irrig. Efficiency	80
	Lawn Application Rate (af/ac)	0.000		Consumption of Irrig. (af/ac)	0.000
(4)	Acres of Crop Irrigated	0.00	(9-10)	Elevation (feet)	8480
	Crop Application Rate (af/ac)	0.000			

**Area A-1**  
**Pond Evaporation Only**  
**Ruedi Creek (Eureka Ditch)**  
**No Delayed Depl.**

\* (12), (13) Total Includes 5% Transit Loss  
10% from Green Mtn.

**TABLE 1  
EVAPORATION CALCULATION - MESSNER**

Month	SEO Monthly Distribution	(1) Gross Lake Evaporation		(2) Average Precipitation		(3) Effective Precipitation		(4) Net Evaporation		(5) Total Pond Evaporation
		(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(acre-feet)
January	1.0%	0.03	0.40	0.10	1.20	0.00	0.00	0.03	0.40	0.004
February	3.0%	0.10	1.20	0.09	1.03	0.00	0.00	0.10	1.20	0.012
March	6.0%	0.20	2.40	0.10	1.20	0.00	0.00	0.20	2.40	0.024
April	9.0%	0.30	3.60	0.10	1.24	0.00	0.00	0.30	3.60	0.036
May	12.5%	0.42	5.00	0.11	1.32	0.00	0.00	0.42	5.00	0.050
June	15.5%	0.52	6.20	0.11	1.30	0.00	0.00	0.52	6.20	0.062
July	16.0%	0.53	6.40	0.13	1.59	0.00	0.00	0.53	6.40	0.064
August	13.0%	0.43	5.20	0.14	1.71	0.00	0.00	0.43	5.20	0.052
September	11.0%	0.37	4.40	0.14	1.64	0.00	0.00	0.37	4.40	0.044
October	7.5%	0.25	3.00	0.12	1.38	0.00	0.00	0.25	3.00	0.030
November	4.0%	0.13	1.60	0.10	1.23	0.00	0.00	0.13	1.60	0.016
December	1.5%	0.05	0.60	0.10	1.25	0.00	0.00	0.05	0.60	0.006
	<b>100.0%</b>	<b>3.33</b>	<b>40.00</b>	<b>1.34</b>	<b>16.09</b>	<b>0.00</b>	<b>0.00</b>	<b>3.33</b>	<b>40.00</b>	<b>0.400</b>

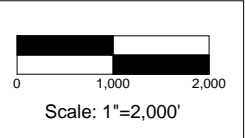
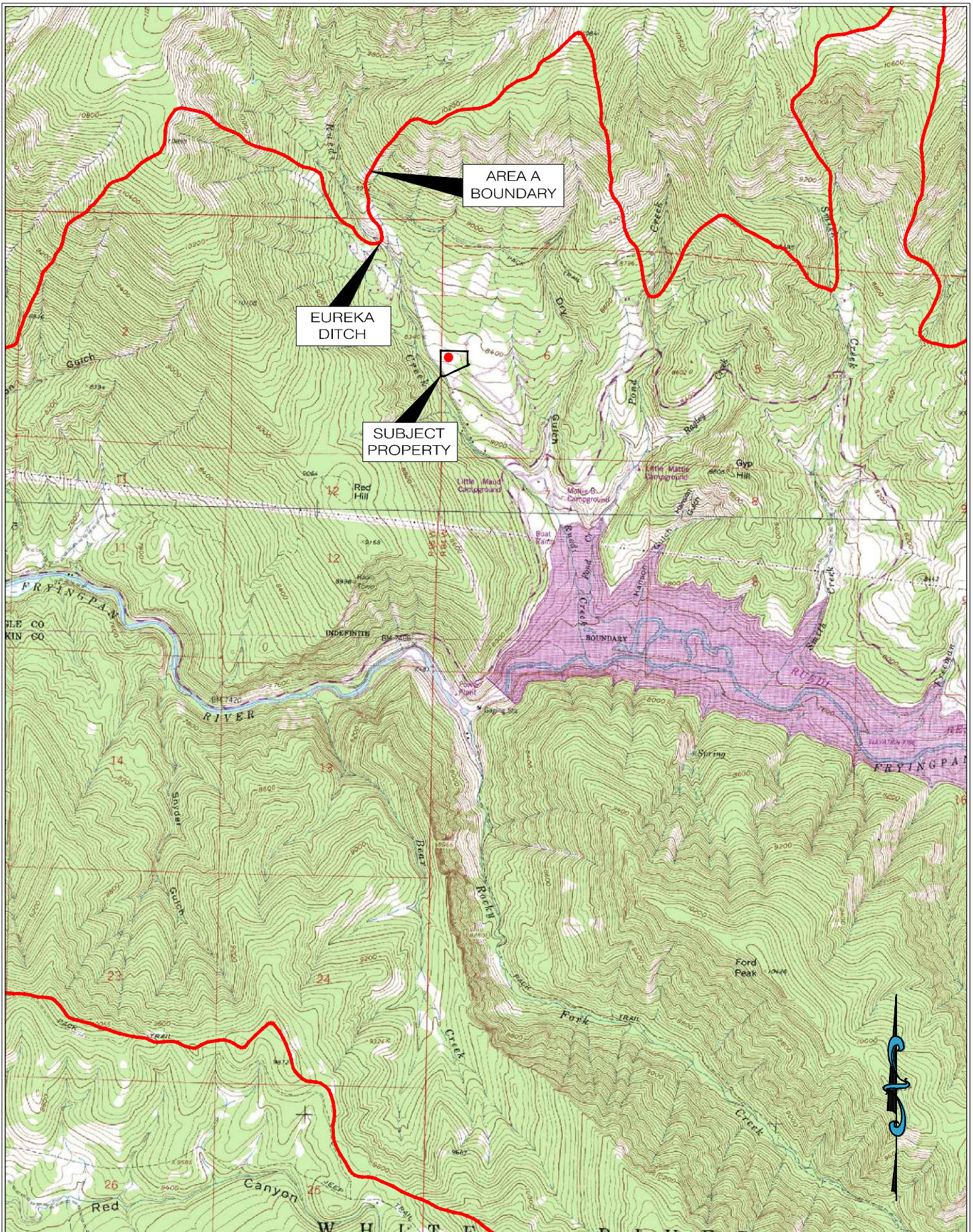
(1) = Monthly distribution of gross annual evaporation rate in accordance with SEO General Criteria.

(2) = Monthly precipitation from local weather station.

(3) = Equal to 0 per State Policy No. 2004-3.

(4) = Net Evaporation = Column (1) - Column (3)

(5) = Column (4) x Open Water Surface Area (0.12 acres) x Column (4) in feet.



**Figure 1: Christian Messner**  
Water Allotment Contract Inclusion  
Basalt Water Conservancy District

**APPLICATION FOR WATER ALLOTMENT CONTRACT  
BASALT WATER CONSERVANCY DISTRICT**

1. Applicant(s) Contact Information

- a. Name: Christian Messner
- b. Mailing Address: 450 Ruedi creek Rd  
Basalt, CO 81621
- c. Street Address:  
450 Ruedi creek Rd  
Basalt CO 81621
- d. Telephone Numbers: Cell: 970 390 3131  
Landline: 970 927 0120
- e. Email Address:  
chmessner@aol.com
- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:

n/a

- g. Emergency Local Contact Information, including name, address, telephone, and email:  
Andreas Fischbacher  
970 379 7303
  - h. Contact Information of property manager, caretaker, irrigator, system operator, or agent who should be provided a copy of this contract, including name, address, telephone, and email:  
Christian Messner
2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.):  
8 ac Farm / Horse pasture / Agricultural
3. Legal description and address of property on which District's water rights and/or contract water will be used (attach map and vesting deed with proof of ownership)\*:

4. Elevation of property: \_\_\_\_\_ 6-7,000 ft., \_\_\_\_\_ 7-8,000 ft.,  8-9,000 ft.

5. Name and legal description of water supply diversion point(s):

Name of Diversion Eureka Ditch.

Type of Diversion Ditch (e.g., a well, spring, ditch, pipeline, etc.)

Legal Description: NW Quarter, NE Quarter, Section 1, Township 8 south  
N / (S) Range 85 E / (W) of the 6<sup>th</sup> Principal Meridian, at a location  
\_\_\_\_\_ feet from the \_\_\_\_\_ Section line and \_\_\_\_\_ feet  
from the \_\_\_\_\_ Section line.

UTM Coordinates (NAD 83):

Northing: \_\_\_\_\_.

Easting: \_\_\_\_\_.

\_\_\_\_\_ Zone 12 / \_\_\_\_\_ Zone 13.

If diversion point is a well, please provide the Well Permit No. NA.

Is the well operational/active? \_\_\_\_\_ Yes, \_\_\_\_\_ No

Is there currently an operating well meter? \_\_\_\_\_ Yes, \_\_\_\_\_ No

Notice: A valid well permit with operating well meter will be required under the contract.

6. Legal Water Supply: (please check one)

Applicant requests consideration by the District to be included in the District's Umbrella Plan for Augmentation decreed in Case No. 02CW77.\*

\*Note: Certain applicants may qualify to be included in the District's Umbrella Plan at the District's discretion. In order to be included in the District's Umbrella Plan, the Applicant's depletions must occur within the District's defined "Area A" and the Applicant must

reimburse the District its *pro rata* share of the District's expenses in obtaining the Umbrella Plan decree. Costs of reimbursement are contingent upon location and intensity of the uses, and range from \$1,200 for contractees with less than 2 units (EQRs) in certain areas, to \$5,000 for more than 8 EQRs in Area A-3 (generally the Roaring Fork drainage above its confluence with the Fryngpan Rivers).

\_\_\_\_\_ Applicant will obtain its own plan for augmentation by applying to the Water Court, Water Division 5 within 2 years of this application. If Applicant has already applied for its own change/approval of plan for augmentation, the Water Court Case Number is: \_\_\_\_\_.

7. Proposed waste water treatment system: (please check)

\_\_\_\_\_ Tap to central waste water treatment facility

\_\_\_\_\_ Septic tank/leachfield system

\_\_\_\_\_ Evapotranspiration system

\_\_\_\_\_ Other:

NA

8. Proposed use of water (please check)

Domestic/Municipal (single family home(s), duplex(s), condominium(s), mobile home(s), apartment). Please complete page four of this application.

\_\_\_\_\_ Commercial (hotel, office, warehouse, restaurant, bar, retail). Please complete page five of this application.

\_\_\_\_\_ Industrial (gravel pit, manufacturing). Please complete page six of this application.

\_\_\_\_\_ Agricultural (crop irrigation, stock watering). Please complete page seven of this application.

Date on which the county or other applicable governmental entities approved the land use for which you seek legal water service: Pending. (Note: Copy of the Resolution of other documentation evidencing such approval should be submitted with application.)

9. What other water rights are associated with or used on the property?

Impover from Eureka Ditch

10. What other uses of water occur on the property?

Domestic use from well / Malno Ruedi  
Shores Dist.

Please complete the section below if you selected domestic/municipal use on Page 3,  
No. 8

DOMESTIC/MUNICIPAL WATER USES

In-House

Single family residential home(s) Number of Units: \_\_\_\_\_

Duplex(s) Number of Units: \_\_\_\_\_

Condominium(s) Number of Units: \_\_\_\_\_

Apartment(s) Number of Units/Rooms: \_\_\_\_\_

Mobile Home(s) Number of Units: \_\_\_\_\_

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or \_\_\_\_\_ Acres

Type of irrigation system (please check)

\_\_\_\_\_ Sprinkler

\_\_\_\_\_ Flood (irrigation ditch)

Domestic stock watering (cattle, horses)

Number of animals:

Period of use (months):

Other domestic/municipal uses not listed:

0.12 SURFACE ACRE POND. 0.50 AF VOLUME (FILL IN MAY)  
PER CHRISTIAN MESSNER 9/15/22





Please complete this page if you selected commercial use on Page 3, No. 8

COMMERCIAL WATER USES

In-House

Hotel: \_\_\_\_\_

Office(s), square footage: \_\_\_\_\_

Warehouse/distributor, square footage: \_\_\_\_\_

Retail, square footage: \_\_\_\_\_

Restaurant, number of seats: \_\_\_\_\_

Bar, number of seats: \_\_\_\_\_

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or \_\_\_\_\_ Acres

Type of irrigation system (please check)

\_\_\_\_\_ Sprinkler

\_\_\_\_\_ Flood (irrigation ditch)

Other Commercial Uses Not Listed:

Please complete this page if you selected industrial use on Page 3, No. 8

### INDUSTRIAL WATER USES

Please describe your industrial development in some detail:

Irrigation (lawns, parks, open space)

Total area to be irrigated \_\_\_\_\_ Sq. Ft. or \_\_\_\_\_ Acres

Type of irrigation system (please check)

\_\_\_\_\_ Sprinkler  
\_\_\_\_\_ Flood (irrigation ditch)

Please complete this page if you selected agricultural use on Page 3, No. 8.

AGRICULTURAL WATER USE

Irrigation

Type of crop(s) (pasture, alfalfa, beans, etc.) and irrigation system:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Crop: \_\_\_\_\_ Acres: \_\_\_\_\_ Sprinkler: \_\_\_\_\_ Flood:

Stock Watering (cattle, horses)

Number of animals:

Months of use:

Other agricultural uses not listed:

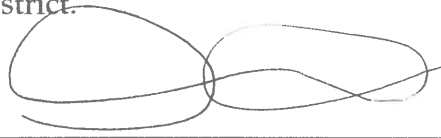
VERIFICATION

STATE OF COLORADO )  
 ) ss.  
COUNTY OF GARFIELD )

I, CHRISTIAN MESSNER (name of Applicant or Applicant's duly authorized representative), being first duly sworn, upon oath, depose and state as follows:

- 1) I am the Applicant or a duly authorized officer, manager, agent or attorney-in-fact for the Applicant for this Application for Water Allotment Contract;
- 2) I have read and know the contents of this Application;
- 3) The information contained herein is an accurate and complete description of the Applicant's intended use of the Basalt Water Conservancy District's water rights;
- 4) The Applicant acknowledges that the accuracy and truth of all statements in this Application are conditions of approval of this Application by the Basalt Water Conservancy District and of the Contract to be made pursuant to such approval; and
- 5) I acknowledge that this application shall be subject to the District's Water Allotment Contract as approved and issued by the District.

Date: 4/9/21

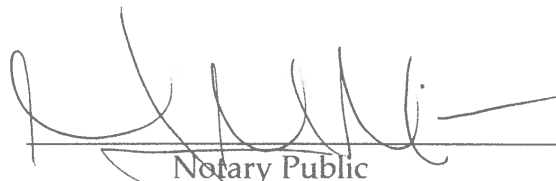
By: 

Print Name: Messner Christian

Title: owner

Subscribed and sworn before me this 9th day of April, 2021  
by CHRISTIAN MESSNER

Witness my hand and seal.

  
Notary Public

My commission expires:  
06/23/2024

MELODY LYNN MORRIS  
Notary Public  
State of Colorado  
Notary ID # 19964009424  
My Commission Expires 06-23-2024