




Resource Engineering, Inc.  
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: APRIL 27, 2020  
File: APPLICATION

**Applicant Name:** Michael & Michaleen Jeronimus

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

**Amount:** 2.8 AF 0.007 cfs 3 gpm

**Location:** Area A  Area B  Inclusion   
County: GARFIELD Contiguous:   
BWCD Division: 3

**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 with pond evaporation as further described below. Total contract depletions are 2.8 acre-feet as shown on the attached tables.

The property is approximately 84.34 acres and is owned by Michael & Michaleen Jeronimus (Applicants) in Garfield County, Colorado (Parcel No. 239318400104). The parcel is located in the S1/2 of Section 18, Township 7 South, Range 88 West of the 6<sup>th</sup> P.M. The property is within Division 3 of the District. A BWCD map is also attached showing the location of the property.

The Jeronimus Pond surface area is 29,000 square feet and a volume of approximately 3.203 acre-feet and is located in the SW14 of Section 18, Township 7 South, Range 88 West of the 6<sup>th</sup> P.M. at a point 780 from the South section line and 1,409 feet from the West section line (UTM Z13 4368356N, 305258E).

The source of supply to the pond is the Thompson Glen Ditch (a/k/a Glenwood Ditch) located in the NW1/4 SW1/4 of Section 28 Township 7 South, Range 88 West, of the 6<sup>th</sup> P.M. at a point 2,436 feet from the South section line and 1,253 feet from the West section line of said Section 8 (UTM Z13 4365505N, 307808E). The Applicants also have irrigation rights in the Thompson Glen Ditch.

Water User :	Micahael & Michaleen Jeronimus	
Analysis Date :	April 27, 2020	
District Area:	A	
Source Series:	4	
Maximum Demand:	3	0.007
	(GPM)	(CFS)

BASALT WATER CONSERVANCY DISTRICT  
WATER REQUIREMENTS  
(acre feet)

Month	Total Demand						Consumptive Use						(14) Source of Aug/Replace
	(1) Domestic In-house	(2) Pond Evaporation	(3) Domestic Irrigation	(4) Agriculture	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evaporation	(9) Domestic Irrigation	(10) Agriculture	(11) Livestock	*(12) TOTAL	
January	0.000	0.075	0.000	0.000	0.000	0.075	0.000	0.075	0.000	0.000	0.000	0.082	GNM
February	0.000	0.087	0.000	0.000	0.000	0.087	0.000	0.087	0.000	0.000	0.000	0.096	GNM
March	0.000	0.137	0.000	0.000	0.000	0.137	0.000	0.137	0.000	0.000	0.000	0.151	GNM
April	0.000	0.225	0.000	0.000	0.000	0.225	0.000	0.225	0.000	0.000	0.000	0.247	GNM
May	0.000	0.300	0.000	0.000	0.000	0.300	0.000	0.300	0.000	0.000	0.000	0.330	GNM
June	0.000	0.362	0.000	0.000	0.000	0.362	0.000	0.362	0.000	0.000	0.000	0.398	GNM
July	0.000	0.374	0.000	0.000	0.000	0.374	0.000	0.374	0.000	0.000	0.000	0.412	GNM
August	0.000	0.337	0.000	0.000	0.000	0.337	0.000	0.337	0.000	0.000	0.000	0.371	GNM
September	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.275	GNM
October	0.000	0.175	0.000	0.000	0.000	0.175	0.000	0.175	0.000	0.000	0.000	0.192	GNM
November	0.000	0.100	0.000	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.000	0.110	GNM
December	0.000	0.075	0.000	0.000	0.000	0.075	0.000	0.075	0.000	0.000	0.000	0.082	GNM
TOTALS -->	0.000	2.497	0.000	0.000	0.000	2.497	0.000	2.497	0.000	0.000	0.000	2.746	

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	(9)	% Lawn Irrig. Efficiency	80
(2)	Commercial/Other Demand (af)	0.000		Consumption of Irrig. (af/ac)	0.000
	Pond Evaporation (29,000 ft^2)	2.497			
	Pond Volume	3.203			
(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)	5980
	Crop Application Rate (af/ac)	0.000			

Area A-4  
Roaring Fork River  
Ditch Diversion

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

**TABLE 1  
EVAPORATION CALCULATION - <6,500 JERONIMUS POND**

Month	SEO Monthly Distribution	(1) Gross Lake Evaporation		(2) Average Precipitation		(3) Effective Precipitation		(4) Net Evaporation		(5) Total Evaporation
		(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(acre-feet)
January	3.0%	0.11	1.35	0.07	0.84	0.00	0.00	0.11	1.35	0.075
February	3.5%	0.13	1.58	0.07	0.79	0.00	0.00	0.13	1.58	0.087
March	5.5%	0.21	2.48	0.05	0.58	0.00	0.00	0.21	2.48	0.137
April	9.0%	0.34	4.05	0.11	1.35	0.00	0.00	0.34	4.05	0.225
May	12.0%	0.45	5.40	0.09	1.02	0.00	0.00	0.45	5.40	0.300
June	14.5%	0.54	6.53	0.14	1.73	0.00	0.00	0.54	6.53	0.362
July	15.0%	0.56	6.75	0.10	1.14	0.00	0.00	0.56	6.75	0.374
August	13.5%	0.51	6.08	0.17	1.99	0.00	0.00	0.51	6.08	0.337
September	10.0%	0.38	4.50	0.16	1.96	0.00	0.00	0.38	4.50	0.250
October	7.0%	0.26	3.15	0.13	1.57	0.00	0.00	0.26	3.15	0.175
November	4.0%	0.15	1.80	0.07	0.80	0.00	0.00	0.15	1.80	0.100
December	3.0%	0.11	1.35	0.11	1.32	0.00	0.00	0.11	1.35	0.075
	<b>100.0%</b>	<b>3.75</b>	<b>45.00</b>	<b>1.26</b>	<b>15.09</b>	<b>0.00</b>	<b>0.00</b>	<b>3.75</b>	<b>45.00</b>	<b>2.497</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 (0.666 acres) x Column (4) in feet.

Surface Area =                      29000 square feet  
                                                 0.666 acres



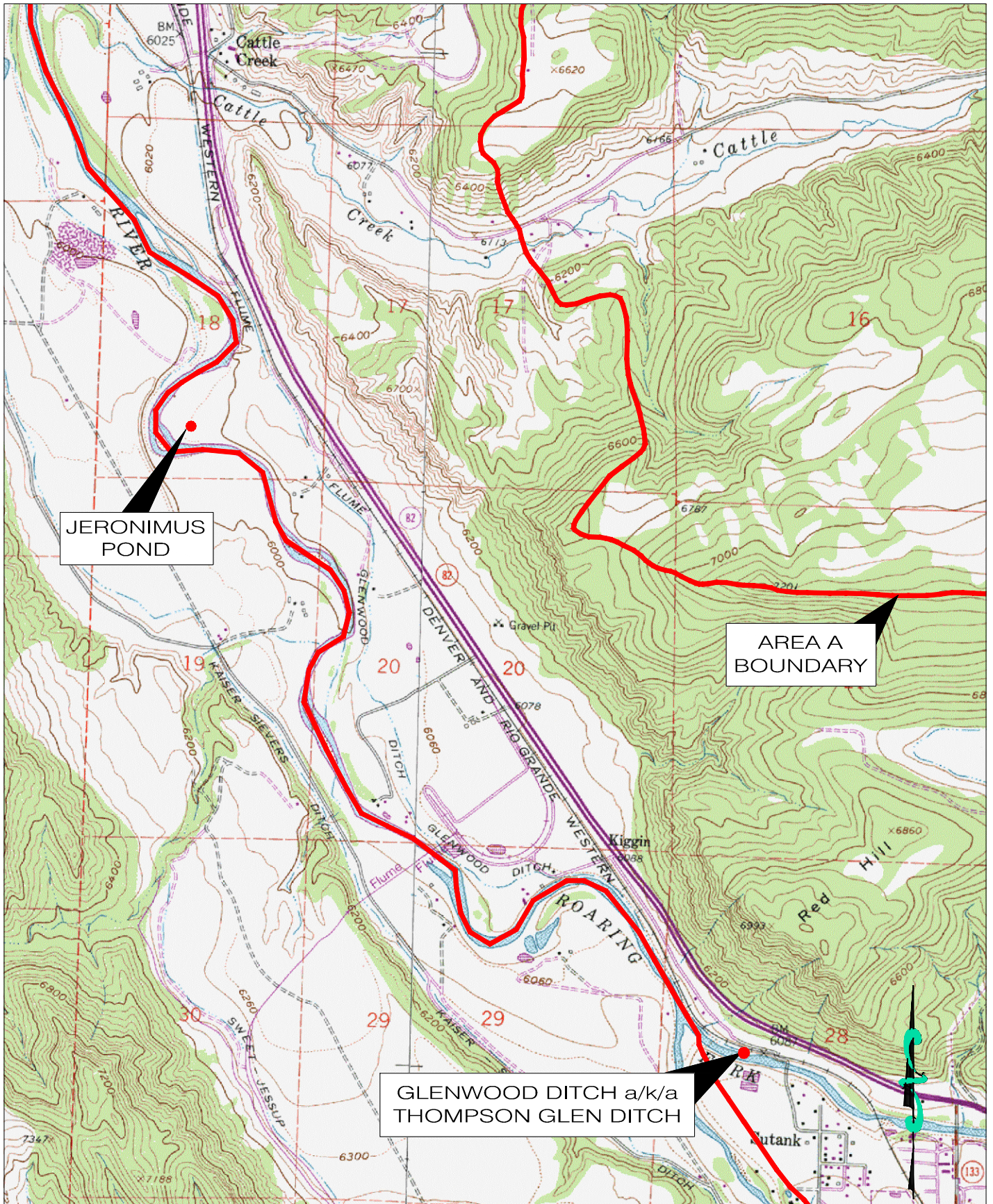
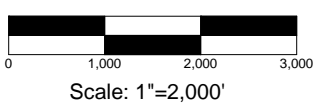


Figure 1: Michael & Michaleen Jeronimus

Basalt Water Conservancy District

File: 033-7.2  
Date: 04/27/2020



**RESOURCE ENGINEERING, INC.**  
 909 Colorado Avenue  
 Glenwood Springs, CO 81601  
 (970) 945-6777 Voice 945-1137 Facsimile



APPLICATION FOR WATER ALLOTMENT CONTRACT  
BASALT WATER CONSERVANCY DISTRICT

1. Applicant(s) Contact Information

- a. Name: Michael & Michaleen Jeronimus
- b. Mailing Address: 1012 13<sup>th</sup> Street  
Golden, Co 80401
- c. Street Address: Same
- d. Telephone Numbers: 303-503-5898 & 303-868-9738
- e. Email Address: ma.jeronimus@gmail.com
- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:
- g. Emergency Local Contact Information, including name, address, telephone, and email: Same
- 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: Same.

2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.): Irrigation Pond

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)\*: Attached

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 Thompson Glen Ditch (Glenwood Ditch) – shares attached.

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

Legal Description: \_\_\_\_\_ Quarter, \_\_\_\_\_ Quarter, Section \_\_, Township \_\_\_\_ N / S,  
Range \_\_\_\_ 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: 4365505 \_\_\_\_\_.

Easting: 307808 \_\_\_\_\_.

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

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

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) NA.

- \_\_\_\_\_ Tap to central waste water treatment facility
- \_\_\_\_\_ Septic tank/leachfield system
- \_\_\_\_\_ Evapotranspiration system
- \_\_\_\_\_ Other:

8. Proposed use of water (please check)

- X 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: \_\_\_\_\_. (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? Thompson Glen.
10. What other uses of water occur on the property? Ag only.

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: Evaporation from a pond (River Bend Pond) located at UTM coordinated E: 305258, N: 4368356 with a surface area of 29,000 sqft at an elevation of 5,989.5 feet and a total volume of 3.203 acre-feet.



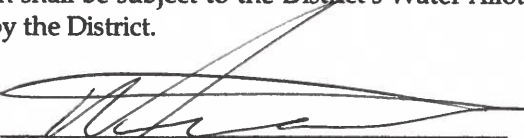
VERIFICATION

STATE OF Colorado )  
COUNTY OF Garfield ) ss.

I, Michael Jeronimus (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: 2/18/2020

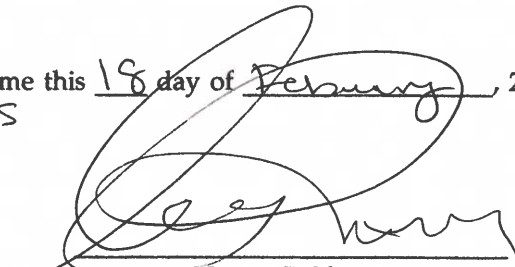
By: 

Print Name: Michael Jeronimus

Title: Owner

Subscribed and sworn before me this 18 day of February, 2020  
by Michael Jeronimus

Witness my hand and seal.

  
Notary Public

My commission expires: July-10-2022

