




Resource Engineering, Inc.
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Memorandum

To: BWCD BOARD OF DIRECTORS
From: ERIC MANGEOT 
CC: CHRIS GEIGER
Date: APRIL 22, 2021
File: APPLICATION

Applicant Name: 178 Blue Heron 1, LLC and 178 Blue Heron 2, LLC

Type of Use: Domestic Commercial
 Industrial Agricultural

Amount: 0.3 AF 0.033 cfs 15 gpm

Location: Area A A-4 Area B Inclusion
 County: GARFIELD Contiguous:
 BWCD Division: 4

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 single-family dwelling, green house (estimated to be 40' diameter dome) and 4 livestock located on 178 Blue Heron 1, LLC and 178 Blue Heron 2, LLC's (Applicants) property. The green house has an estimated demand of 500 gallons per week and is considered 100% depletive. Total contract depletions are 0.3 acre-feet (AF) as shown on the attached table.

The contract will be associated with an 8.951 acre lot located at 178 Blue Heron Lane, Carbondale, Colorado (Garfield County Parcel No. 239334400016). The property is generally located in the SE1/4 of Section 34 and SW corner of S, Township 7 South, Range 88 West of the 6th P.M. The property is also within Division 4 of the District. A BWCD map is also attached showing the location of the property.

The source of supply is a proposed well to be located in the NE1/4 SE1/4 of Section 34 Township 7 South, Range 88 West, of the 6th P.M. at a point 2,175 feet from the South section line and 360 feet from the East section line (NAD83 Z13 UTM(x)=310466, UTM(y)=4363673). An existing well (Permit No. 213849) is also located on the property but will not cover uses associated with contract. The Applicant also has an interest in the Slough Ditch and Banning Lateral for irrigation uses on the property.

Water User :	178 Blue Heron 1 and 2, LLC	
Analysis Date :	April 22, 2021	
District Area:	A-4	
Source Series:	4	
Maximum Demand:	15	0.033
	(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) Green House	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evap.	(9) Lawn Irrigation	(10) Green House	(11) Livestock	(12)* TOTAL		
January	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.017	GNM
February	0.030	0.000	0.000	0.006	0.004	0.040	0.005	0.000	0.000	0.006	0.004	0.016	0.017	GNM
March	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.016	GNM
April	0.032	0.000	0.000	0.007	0.004	0.043	0.005	0.000	0.000	0.007	0.004	0.017	0.016	GNM
May	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.016	GNM
June	0.032	0.000	0.000	0.007	0.004	0.043	0.005	0.000	0.000	0.007	0.004	0.017	0.017	GNM
July	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.018	GNM
August	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.019	GNM
September	0.032	0.000	0.000	0.007	0.004	0.043	0.005	0.000	0.000	0.007	0.004	0.017	0.019	GNM
October	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.019	GNM
November	0.032	0.000	0.000	0.007	0.004	0.043	0.005	0.000	0.000	0.007	0.004	0.017	0.019	GNM
December	0.033	0.000	0.000	0.007	0.004	0.044	0.005	0.000	0.000	0.007	0.004	0.018	0.018	GNM
TOTALS -->	0.392	0.000	0.000	0.080	0.049	0.521	0.059	0.000	0.000	0.080	0.049	0.209	0.209	

Assumptions						
(1)	NUMBER OF RESIDENCES	1		(5)	# of Livestock @ 11 gals/day	4
	# persons/residence	3.5		(7)	% CU for Domestic/Commercial	15
	# gallons/person/day	100				
(2)	Commercial/Other Demand (af)	0.000	Office AF	(9)	% Lawn Irrig. Efficiency	80
	Pond Evaporation	0	Acres		Consumption of Irrig. (af/ac)	0.000
		0.00				
(3)	Sq. Ft. of Lawn Irrigated	0		(10)	% Green House Irrig. Efficiency	100
	Lawn Application Rate (af/ac)	0.000				
(4)	Green House Irrigation	0.08		(9-10)	Elevation (feet)	6150
	500 gallons per week (estimated)					

**Area A-4
Proposed Well (Type B)
Roaring Fork River**

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

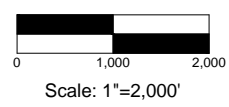
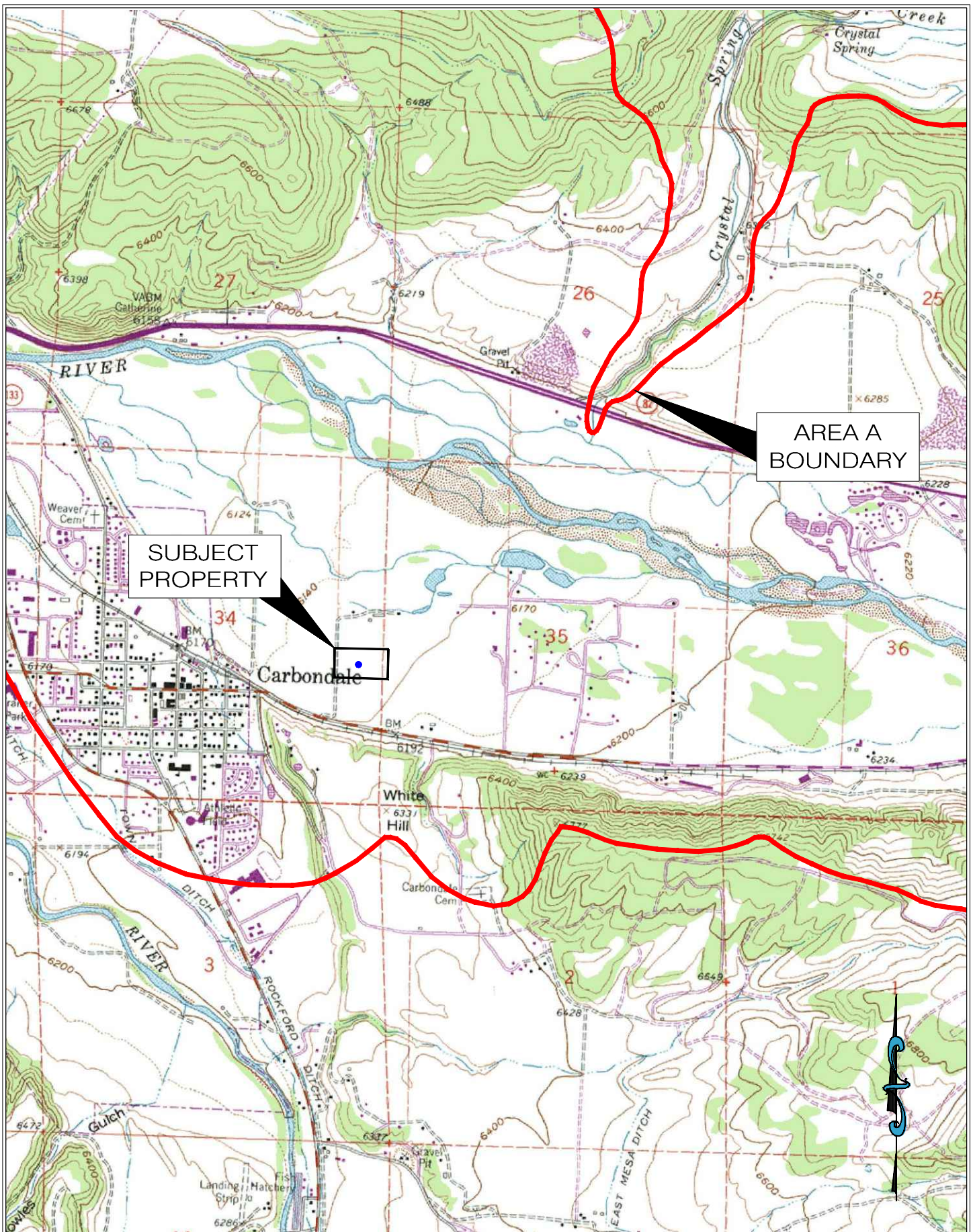


Figure 1: 178 Blue Heron 1 and 2, LLC

Water Allotment Contract Application
 Basalt Water Conservancy District

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

1. Applicant's Contact Information:

- a. Name: **178 Blue Heron 1, LLC
178 Blue Heron 2, LLC**
- b. Mailing Address: **7380 County Road 100
Carbondale, CO 81623**
- c. Street Address: **178 Blue Heron Lane
Carbondale, CO 81623**
- d. Telephone Numbers: **(970) 379-1506 (Thad Eshelman)**
- e. Email Address: **thad@tebuilders.net**
- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email: **NA.**
- g. Emergency Local Contact Information, including name, address, telephone, and email:

Thad Eshelman

- 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:

See above.

2. Type of land use (development) proposed for water allotment contract:

Residential.

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)*:

See deed attached as Exhibit A and map attached as Exhibit B.

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 points:

a. Name of Diversion: **Blue Heron Well.**

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

Legal Description: NE Quarter, SE Quarter, Section 34, Township 7 S, Range 88 W, of the 6th Principal Meridian, at a location _____ feet from the Section line and _____ feet from the _____ Section line. See map attached as **Exhibit C.**

UTM Coordinates (NAD 83):

Northing: 4363673.

Easting: 310466.

_____ Zone 12 / Zone 13.

If diversion point is a well, please provide the Well Permit No.: **This will be a new well permit.**

Is the well operational/active? _____ Yes, No

Is there currently an operating well meter? _____ Yes, No

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: _____

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: **N.A.**

9. What other water rights are associated with or used on the property? **The Applicants also own an interest in the Slough Ditch and Banning Lateral.**
10. What other uses of water occur on the property? **Well Permit No. 213849 is also located on this property.**

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

DOMESTIC/MUNICIPAL WATER USES FOR THE ONE ADDITIOINAL BARN

In-House

Single family residential home(s) Number of Units: 1

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): **None.**

Total area to be irrigated _____ Sq. Ft. or _____ Acres

Type of irrigation system (please check)

_____ Sprinkler

_____ Flood (irrigation ditch)

Domestic stock watering (cattle, horses) **Yes.**

Number of animals: **4**

Period of use (months): **12**

Other domestic/municipal uses not listed: **Fire protection and irrigation in a 40-foot diameter dome greenhouse.**

VERIFICATION

STATE OF Colorado)
) ss.
COUNTY OF Garfield)

The undersigned, Thaddeus Bacon Eshelman, and Makenzie Taylor Eshelman, being first duly sworn, upon oath, depose and state as follows:

- 1) We are the Applicants or a duly authorized officer, manager, agent or attorney-in-fact for the Applicant for this Application for Water Allotment Contract;
- 2) We 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 Applicants acknowledge 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) We acknowledge that this application shall be subject to the District's Water Allotment Contract as approved and issued by the District.

Date: 4-21-21

By: [Signature]

Print Name: Thaddeus Bacon Eshelman

Title: Manager, 178 Blue Heron 1, LLC

Subscribed and sworn before me this 21st day of April, 2021 by Thaddeus Bacon Eshelman as Manager of 178 Blue Heron 1, LLC_{at}

Witness my hand and seal.

<p>REBECCA L. MOLLER NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20064051224 MY COMMISSION EXPIRES DECEMBER 29, 2022</p>
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[Signature]
Notary Public

My commission expires: 12/29/2022

Basalt Water Conservancy District
Amended Water Allotment Application
Page 7

Date: 4/21/21

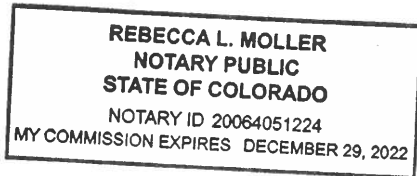
By: 

Print Name: Makenzie Taylor Eshelman.

Title: Manager, 178 Blue Heron 2, LLC

Subscribed and sworn before me this 21st day of April, 2021 by
Makenzie Taylor Eshelman as Manager of 178 Blue Heron 2, LLC.

Witness my hand and seal.




Notary Public

My commission expires: 12/29/2022