

Memorandum

To: BWCD BOARD OF DIRECTORS
From: ERIC MANGEOT *EM*
CC: CHRIS GEIGER *CG*
Date: October 23, 2018
File: APPLICATION AND INCLUSION

Applicant Name: Alfred K. and Valerie J. Braun

Type of Use: Domestic Commercial
 Industrial Agricultural

Amount: 2.7 AF 0.033 cfs 15 gpm

Location: Area A Area B Inclusion

County: PITKIN Contiguous: No (To Division Boundary)

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:** \$2,000

This application is to cover depletions associated with in-house use, 54,900 square feet (1.26 acres) of irrigation, and pond evaporation as further described below. Total contract depletions are 2.7 acre-feet as shown on the attached tables.

The property is approximately 2.0 acres and is owned by Alfred K. and Valerie J. Braun (Applicants) in Pitkin County, Colorado (Parcel No. 264308100010). The parcel is located in the SE1/4 of Section 8, Township 9 South, Range 85 West of the 6th P.M. The physical address of the property is 41 Rainbow Lane, Woody Creek, Colorado. The property requires inclusion into the District as it is located outside of the Division 7 boundary. A BWCD map is also attached showing the location of the property.

The source of supply for the contract is an existing well (Permit No. 71756) located in the NW1/4 NE1/4 of Section 8 Township 9 South, Range 85 West, of the 6th P.M. at a point 938 feet from the North section line and 1,850 feet from the East section line of said Section 8. The source of supply to fill the pond (not covered under the contract) is the Walthen Ditch. The proposed pond surface area is 1,600 square feet and a volume of approximately 59,000 gallons. The pond will be constructed within the property.

The Applicants will need to obtain –F well permit with the Division of Water Resources if the contract is approved and executed. The Applicants also have irrigation rights in the Walthen Ditch.

Water User :	Alfred K. & Valerie J. Braun
Analysis Date :	October 23, 2018
District Area:	A
Source Series:	4
Maximum Demand:	15 (GPM) 0.033 (CFS)

**BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS**
(acre feet)

Month	Total Demand					Consumptive Use					*(13) Well Delayed Depletions	(14) Source of Aug/Replace GNM		
	(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	0.033	0.001	0.000	0.000	0.000	0.035	0.005	0.001	0.000	0.000	0.000	0.007	0.076	GNM
February	0.030	0.004	0.000	0.000	0.000	0.034	0.005	0.004	0.000	0.000	0.000	0.009	0.062	GNM
March	0.033	0.008	0.000	0.000	0.000	0.041	0.005	0.008	0.000	0.000	0.000	0.014	0.054	GNM
April	0.032	0.012	0.034	0.000	0.000	0.077	0.005	0.012	0.027	0.000	0.000	0.048	0.063	GNM
May	0.033	0.016	0.550	0.000	0.000	0.600	0.005	0.016	0.440	0.000	0.000	0.508	0.266	GNM
June	0.032	0.020	0.729	0.000	0.000	0.781	0.005	0.020	0.583	0.000	0.000	0.669	0.448	GNM
July	0.033	0.021	0.679	0.000	0.000	0.732	0.005	0.021	0.543	0.000	0.000	0.625	0.494	GNM
August	0.033	0.017	0.399	0.000	0.000	0.449	0.005	0.017	0.319	0.000	0.000	0.375	0.406	GNM
September	0.032	0.014	0.366	0.000	0.000	0.412	0.005	0.014	0.293	0.000	0.000	0.343	0.361	GNM
October	0.033	0.010	0.080	0.000	0.000	0.123	0.005	0.010	0.064	0.000	0.000	0.086	0.235	GNM
November	0.032	0.005	0.000	0.000	0.000	0.037	0.005	0.005	0.000	0.000	0.000	0.011	0.138	GNM
December	0.033	0.002	0.000	0.000	0.000	0.035	0.005	0.002	0.000	0.000	0.000	0.008	0.097	GNM
TOTALS -->	0.392	0.129	2.835	0.000	0.000	3.356	0.059	0.129	2.268	0.000	0.000	2.701	2.701	

Area A-3
Permit No. 71756, Individual Glover
Roaring Fork River

(1)	Assumptions				(5)	(7)	(9)	(10)	(9-10)
	NUMBER OF RESIDENCES	# persons/residence	# gallons/person/day	# of Livestock @ 11 gals/day					
(2)	Commercial/Other Demand (af)	0.000	Office	0					
	Pond Evaporation	0.129	AF	15					
(3)	Pond Volume	~	59,000 Gallons						
	Sq. Ft. of Lawn Irrigated	54,900	(1.26 acres)						
	Lawn Application Rate (af/ac)	2.252							
(4)	Acres of Crop Irrigated	0.00	Elevation (feet)	7230					
	Crop Application Rate (af/ac)	0.000							

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

**TABLE 1
EVAPORATION CALCULATION - >6,500 BRAUN POND**

Month	SEO Monthly Distribution	(1) Gross Lake Evaporation		(2) Average Precipitation		(3) Effective Precipitation		(4) Net Evaporation		(5) Total Evaporation (acre-feet)
		(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	
January	1.0%	0.04	0.42	0.07	0.84	0.00	0.00	0.04	0.42	0.001
February	3.0%	0.11	1.26	0.07	0.79	0.00	0.00	0.11	1.26	0.004
March	6.0%	0.21	2.52	0.05	0.58	0.00	0.00	0.21	2.52	0.008
April	9.0%	0.32	3.78	0.11	1.35	0.00	0.00	0.32	3.78	0.012
May	12.5%	0.44	5.25	0.09	1.02	0.00	0.00	0.44	5.25	0.016
June	15.5%	0.54	6.51	0.14	1.73	0.00	0.00	0.54	6.51	0.020
July	16.0%	0.56	6.72	0.10	1.14	0.00	0.00	0.56	6.72	0.021
August	13.0%	0.46	5.46	0.17	1.99	0.00	0.00	0.46	5.46	0.017
September	11.0%	0.39	4.62	0.16	1.96	0.00	0.00	0.39	4.62	0.014
October	7.5%	0.26	3.15	0.13	1.57	0.00	0.00	0.26	3.15	0.010
November	4.0%	0.14	1.68	0.07	0.80	0.00	0.00	0.14	1.68	0.005
December	1.5%	0.05	0.63	0.11	1.32	0.00	0.00	0.05	0.63	0.002
	100.0%	3.50	42.00	1.26	15.09	0.00	0.00	3.50	42.00	0.129

(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 (tbd acres) x Column (4) in feet.

Surface Area = 1600 square feet
0.037 acres

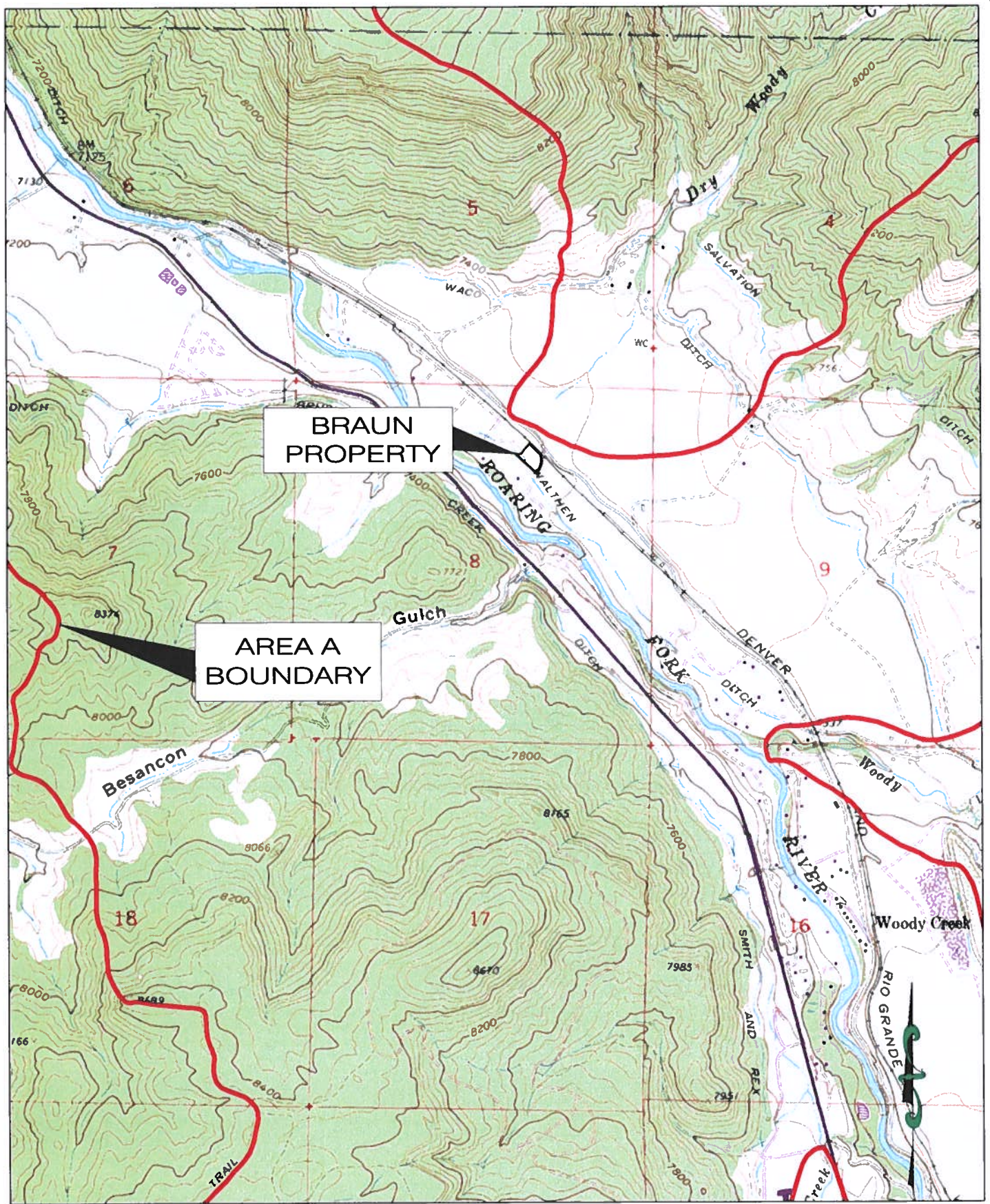


Figure 1: Alfred K. & Valerie J. Braun

File: 033-7.2
Date: 10/23/2018

Basalt Water Conservancy District



Scale: 1"=2,000'

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: Braun, Alfred K. & Valerie J.

b. Mailing Address:

P.O. Box 339
Woody Creek, CO 81656

c. Street Address:

41 (0041) Rainbow Lane
Woody Creek, CO 81656

d. Telephone Numbers: 970 379 3143 cell
970 923 5772 home

e. Email Address:

braunva@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:

Valerie Braun
Box 339
Woody Creek, CO 81656

970 379 1484 cell
braunva@gmail.com

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:

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

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)*:

41 (0041) Rainbow Lane, Woody Creek, CO 81656
NW 1/4, NE 1/4, Sec. 8, TWP. 9 S Range 85 W

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 domestic well . Watershed subbasin Drywooden
Walther Ditch Creek-
Type of Diversion well ditch (e.g., a well, spring, ditch, pipeline, etc.) Roenig
Fork
River

Legal Description: NW Quarter, NE Quarter, Section 8, Township 9
N / (S) Range 85 E / (W) of the 6th Principal Meridian, at a location
938 feet from the N Section line and 1850 feet
from the E Section line.

UTM Coordinates (NAD 83):

Northing: 4350613
Easting: 335842
_____ Zone 12 / Zone 13.

If diversion point is a well, please provide the Well Permit No. 71756.

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 Fryingpan 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: 10/4/73. (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?

n/a.

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

n/a

WATER DITCH E
0.05 cfs

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: 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)

Total area to be irrigated _____ Sq. Ft. or 1.26 Acres

Type of irrigation system (please check)

Sprinkler

Flood (irrigation ditch)

Domestic stock watering (cattle, horses) n/a

Number of animals:

Period of use (months):

Other domestic/municipal uses not listed:

POND 1600 FE² AREA
VOLUME ≈ 59,000 GALLONS EF

