




Spheros Environmental  
 909 Colorado Avenue  
 Glenwood Springs, CO 81601  
 (970)-945-6777 Voice  
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# Memorandum

**To:** BWCD BOARD OF DIRECTORS  
**From:** ERIC MANGEOT   
**CC:** CHRIS GEIGER  
**Date:** FEBRUARY 6, 2026  
**File:** APPLICATION

**Applicant Name:** Janet Ann Lightfoot

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

**Amount:** 0.1 AF ---- cfs 0.076 gpm

**Location:** Area A A-2 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 evaporative depletions associated with two small ponds (Luna and Willow's ponds) with a total surface area of 752 square feet (0.017 acre) on an existing parcel owned by Janet Ann Lightfoot (Applicant). Total depletions are estimated at 0.1 acre-feet (AF) as shown on the attached calculation sheets and as further explained below.

The property is located at 1500 Cedar Drive, Basalt. The parcels are located within the SE1/4 SE1/4 of Section 5, Township 8 South, Range 86 West, of the 6<sup>th</sup> P.M. as shown in **Figure 1** (Eagle County Parcel IDs 2467-054-00-008). The property is located within Division 7 of the District.

Diversions associated with the contract will be from Cathy No. 2 Spring located in Tract 44, Section 5, Township 8 South, Range 86 West of the 6<sup>th</sup> P.M. at a point whence Angle Point No. 6 of Tract 44 bears: N15°24'15"E 1,081.35 feet.

- Luna Pond is located in the SE1/4 SE1/4 of Section 5, Township 8 South, Range 86 West of the 6<sup>th</sup> P.M. at a point UTM NAD 83 Z13: 4360907m N, 326673m E. Surface area is 122 square feet.
- Willow's Luna Pond is located in the SE1/4 SE1/4 of Section 5, Township 8 South, Range 86 West of the 6<sup>th</sup> P.M. at a point UTM NAD 83 Z13: 4360886m N, 326668m E. Surface area is 630 square feet.

Water User :	Janet Ann Lightfoot	
Analysis Date :	February 6, 2026	
District Area:	A-2	
Source Series:	4	
Maximum Demand:	0.076	---
	(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	0.001	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.001	GNM
February	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.002	0.002	GNM
March	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
April	0.000	0.006	0.000	0.000	0.000	0.006	0.000	0.006	0.000	0.000	0.000	0.006	0.006	GNM
May	0.000	0.008	0.000	0.000	0.000	0.008	0.000	0.008	0.000	0.000	0.000	0.009	0.009	GNM
June	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.011	0.011	GNM
July	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.012	0.012	GNM
August	0.000	0.008	0.000	0.000	0.000	0.008	0.000	0.008	0.000	0.000	0.000	0.009	0.009	GNM
September	0.000	0.007	0.000	0.000	0.000	0.007	0.000	0.007	0.000	0.000	0.000	0.008	0.008	GNM
October	0.000	0.005	0.000	0.000	0.000	0.005	0.000	0.005	0.000	0.000	0.000	0.005	0.005	GNM
November	0.000	0.003	0.000	0.000	0.000	0.003	0.000	0.003	0.000	0.000	0.000	0.003	0.003	GNM
December	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.001	GNM
TOTALS -->	0.000	0.065	0.000	0.000	0.000	0.065	0.000	0.065	0.000	0.000	0.000	0.072	0.072	

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)	Evaporation See Table 1	0.024 AF		Consumption of Irrig. (af/ac)	0.000
(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)	7116
	Crop Application Rate (af/ac)	0.000			

Area A-2  
Fryingpan River  
Surface Diversion  
No Delayed Depletions

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

**TABLE 1  
EVAPORATION CALCULATION - LIGHTFOOT (7,116 feet)**

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%	0.04	0.45	0.10	1.20	0.00	0.00	0.04	0.45	0.0006
February	3.0%	0.11	1.35	0.09	1.03	0.00	0.00	0.11	1.35	0.0019
March	6.0%	0.23	2.70	0.10	1.20	0.00	0.00	0.23	2.70	0.0039
April	9.0%	0.34	4.05	0.10	1.24	0.00	0.00	0.34	4.05	0.0058
May	12.5%	0.47	5.63	0.11	1.32	0.00	0.00	0.47	5.63	0.0081
June	15.5%	0.58	6.98	0.11	1.30	0.00	0.00	0.58	6.98	0.0100
July	16.0%	0.60	7.20	0.13	1.59	0.00	0.00	0.60	7.20	0.0104
August	13.0%	0.49	5.85	0.14	1.71	0.00	0.00	0.49	5.85	0.0084
September	11.0%	0.41	4.95	0.14	1.64	0.00	0.00	0.41	4.95	0.0071
October	7.5%	0.28	3.38	0.12	1.38	0.00	0.00	0.28	3.38	0.0049
November	4.0%	0.15	1.80	0.10	1.23	0.00	0.00	0.15	1.80	0.0026
December	1.5%	0.06	0.68	0.10	1.25	0.00	0.00	0.06	0.68	0.0010
	<b>100.0%</b>	<b>3.75</b>	<b>45.00</b>	<b>1.34</b>	<b>16.09</b>	<b>0.00</b>	<b>0.00</b>	<b>3.75</b>	<b>45.00</b>	<b>0.0647</b>

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

(2) = Monthly precipitation from local weather station.

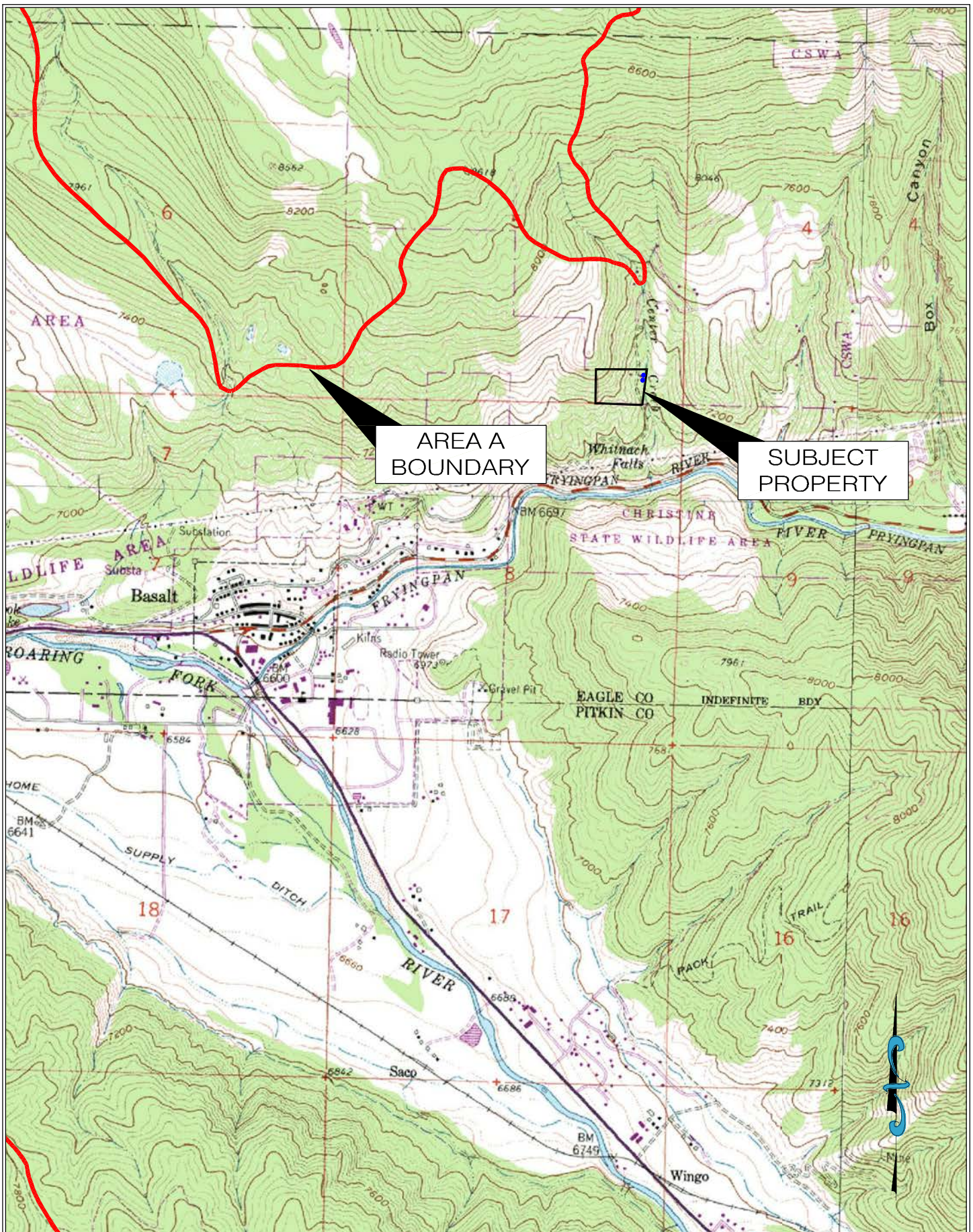
(3) = Equal to 0 per State Policy No. 2004-3.

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

(5) = Column (4) x Open Water Surface Area of Ponds (0.0173 acres) x Column (4) in feet.

122 square feet

630 square feet



AREA A  
BOUNDARY

SUBJECT  
PROPERTY

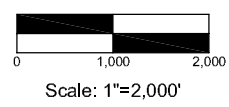


Figure 1: Janet Ann Lightfoot

Water Allotment Contract Application  
Basalt Water Conservancy District

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

1. Applicant(s) Contact Information

- a. Name: **Janet Lightfoot**
- b. Mailing Address: **P.O. Box 1704  
Basalt, CO 81621**
- c. Street Address: **1500 Cedar Drive  
Basalt, CO 81621**
- d. Telephone Numbers: **[REDACTED]**
- e. Email Address: **[REDACTED]**

- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:

**Jason Groves  
Patrick, Miller & Noto, P.C.  
229 Midland Ave.  
Basalt, CO 81621  
(970) 920-1030, ext. 115  
groves@waterlaw.com**

- g. Emergency Local Contact Information, including name, address, telephone, and email:

**See Applicant's info above.**

- 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 Applicant's info above.**

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

**Augmentation of pond evaporation.**

- 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)\*:

**1500 Cedar Drive  
Basalt, CO 81621**

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

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

Name of Diversion: **Luna's Pond**

Type of Diversion: **Off-channel pond**

Legal Description: **SE ¼ SE ¼ of Section 5, Township 8 South, Range 86 West of the 6<sup>th</sup> P.M.**

UTM Coordinates (NAD 83):

    Northing: **4360907.**

    Easting: **326673.**

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

Name of Diversion: **Willow's Pond**

Type of Diversion: **Off-channel pond**

Legal Description: **SE ¼ SE ¼ of Section 5, Township 8 South, Range 86 West of the 6<sup>th</sup> P.M.**

UTM Coordinates (NAD 83):

    Northing: **4360886.**

    Easting: **326668.**

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

6. Legal Water Supply: (please check one)

  X   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 requests consideration by the District to be included in the District's Umbrella Plan for Augmentation decreed in Case No. 19CW3143.\*\*

\*\*Note: Certain applicants may qualify to be included in the District's Area A-5 Umbrella Plan at the District's discretion. In order to be included in the District's Area A-5 Umbrella Plan, the Applicant's diversions and depletions must occur within the District's defined "Area A-5" and the Applicant must reimburse the District its *pro rata* share of the District's expenses in obtaining this Umbrella Plan decree. Costs of reimbursement is \$3,800 in Area A-5 (generally the Roaring Fork River drainage above the inlet of Ruedi Reservoir to the confluence of the Roaring Fork River and Ivanhoe Creek, and below Ivanhoe Reservoir).

\_\_\_\_\_ 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 wastewater treatment system: (please check)

- Tap to central wastewater treatment facility
- Septic tank/leachfield system
- Evapotranspiration system
- Other: N/A.

8. Does the property currently have a graywater treatment works system by which to reuse graywater on the property? **No.**

Do you intend or plan to install a graywater treatment works system? **No.**

9. 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**. (Note: Copy of the Resolution of other documentation evidencing such approval should be submitted with application.)

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

**Cathy No. 2 Spring decreed in W-1787 (HUP protected for domestic and irrigation); Well Permit 228049.**

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

**Domestic, fire protection, domestic animal watering, and irrigation**

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: _____
Accessory Dwelling Units	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 Luna's Pond and Willow's Pond. Luna's Pond has a surface area of approximately 122 square feet, and Willow's Pond is approximately 630 square feet.**

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:**





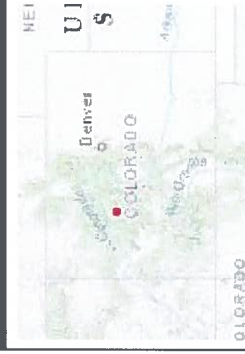
# Map Viewer



## Legend

County

## Location



## Notes

146

0 73 146 Feet

1: 877



This product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 2/4/2026 12:28:06 PM