WATER DIVISION 1

North Clear Creek (Gilpin County) Graves Creek (Larimer County) Spottlewood Creek #1 (Larimer County) Spottlewood Creek #2 (Larimer County) Lone Tree Creek (Weld County)

WATER DIVISION 2

Arkansas River #1 (Pueblo County) Arkansas River #2 (Pueblo County) Apishapa River (Las Animas County) Beaver Creek (Teller & Fremont Counties)

WATER DIVISION 5

Beaver Creek (Mesa County) Beaver Dams Creek (Mesa County) East Divide Creek #1 (Mesa & Garfield Counties) East Divide Creek (Garfield County) Meadow Creek (Garfield County) West Divide Creek (Mesa County)



The CPW is forwarding these instream flow recommendations to the Board to meet the State of Colorado's policy "... that the wildlife and their environment are to be protected, preserved, enhanced, and managed for the use, benefit, and enjoyment of the people of this state and its visitors ... and that, to carry out such program and policy, there shall be a continuous operation of planning, acquisition, and development of wildlife habitats and facilities for wildlife-related opportunities" (See §33-1-101 (1) C.R.S.). The CPW Strategic Plan states "[h]ealthy aquatic environments are essential to maintain healthy and viable fisheries, and critical for self-sustaining populations. The [CPW] desires to protect and enhance the quality and quantity of aquatic habitats."

Stream: Apishapa River

Executive Summary

Water Division: 2 Water District: CDOW#: 28945

Segment: Headwaters to Herick Canyon Creek

Upper Terminus: Headwaters

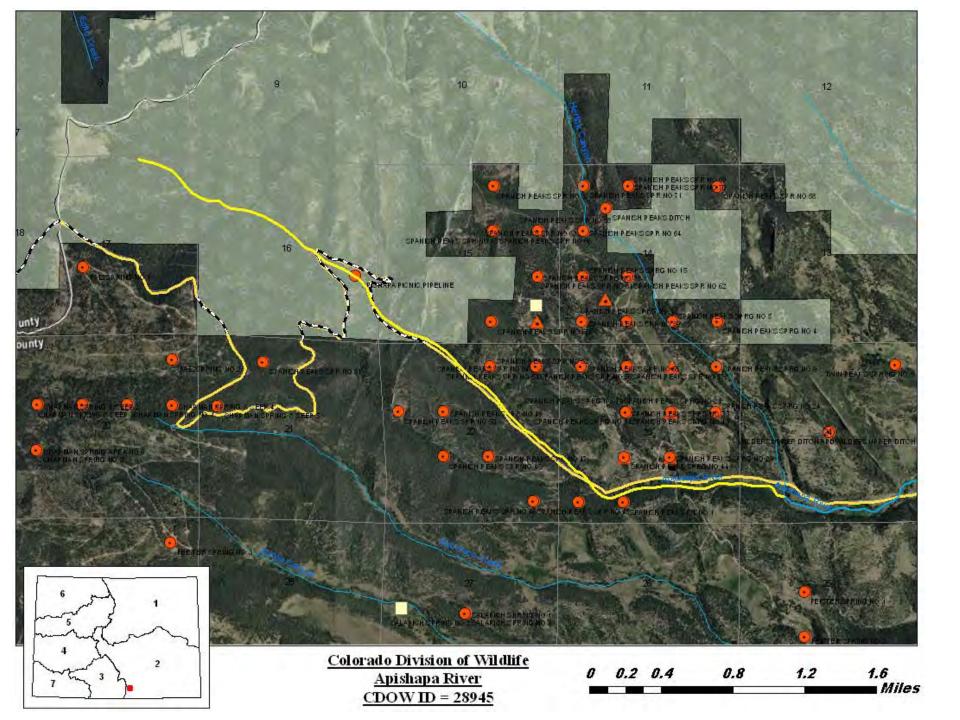
Latitude: 37º 21' 12.8"N Longitude: 105º 01' 00.7"W

Lower Terminus: Herick Canyon Creek

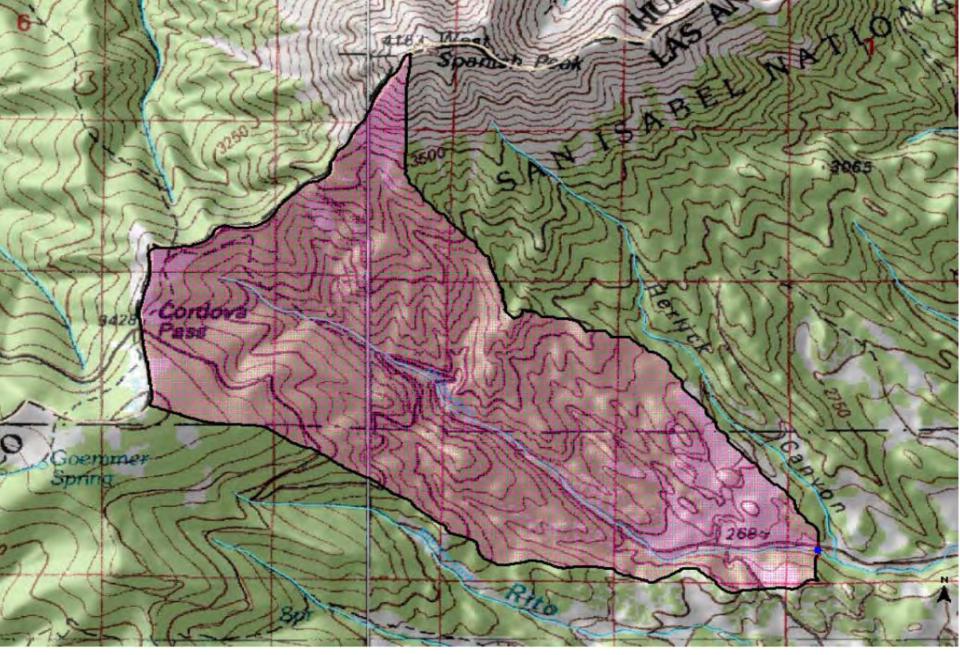
Latitude: 37º 19' 34.4"N Longitude: 104º 57' 04.6"W

ISF Appropriation 2.85 cfs (04/15 - 06/30) 2.00 cfs (07/01 - 07/31) 1.10 cfs (08/01 - 10/31) 0.75 cfs (11/01 - 04/14)

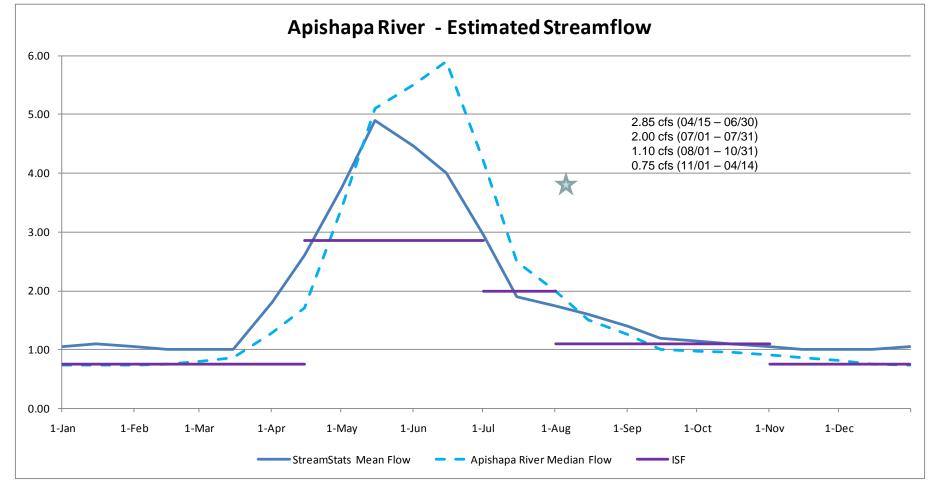
Las Animas County







The total drainage area upstream of this ISF segment of Apishapa River is 6.0 square miles.



The CDOW is recommending 2.85 cfs, summer, and 2.0 cfs, winter, based on data collection efforts.

Biological Data

Brook and Brown Trout Fishery. (Additional data needed.)

Hydrologic Data

The hydrographs above were derived from data collected by the USGS stream gage for Cucharas River at Boyd Ranch, near La Veta, CO (#07114000) and by the USGS StreamStats Water Resources Web Application Program.

<u>Stream</u>: Beaver Creek

Executive Summary

Water Division: 2 Water District: 12 CDOW#: 29173 & 29149

Segment: Douglas Gulch to Patton Canyon

Upper Terminus: Douglas Gulch

Latitude: 38º 41' 02.5"N Longitude: 105º 02' 47.0"W

Lower Terminus: Patton Canyon

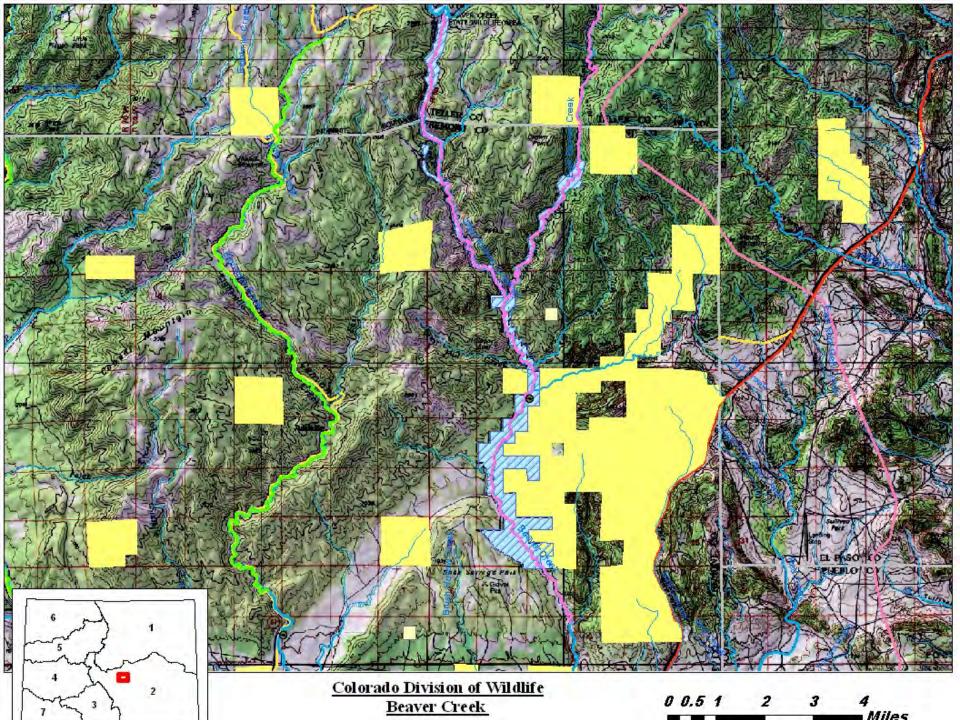
Latitude: 38° 30' 09.6"N Longitude: 104° 59' 55.0"W

Counties: Teller and Fremont

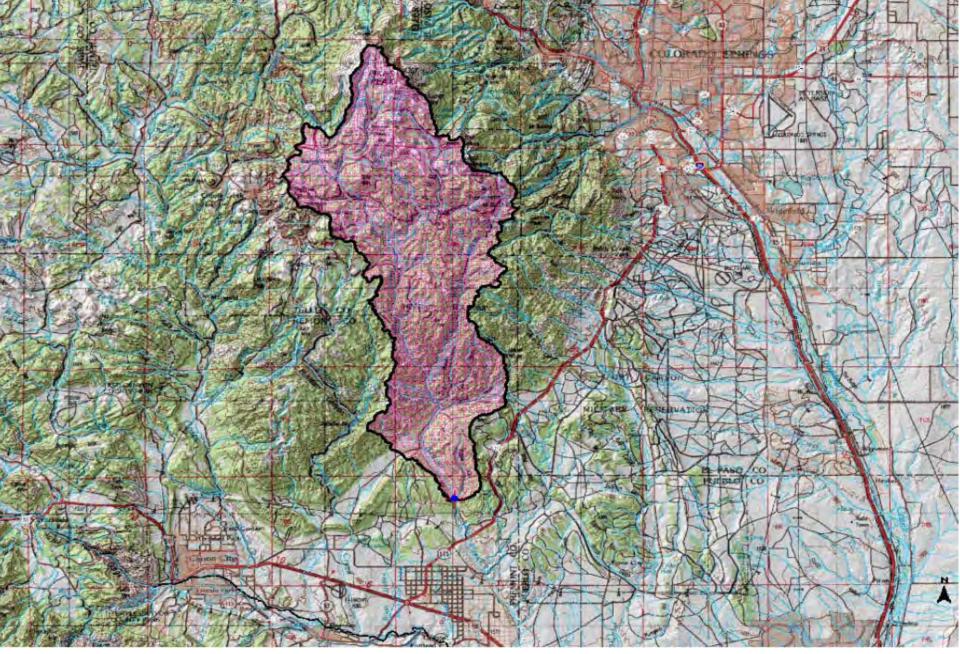
ISF Appropriation

10.5 cfs (04/01 – 10/31) 6.0 cfs (11/01 – 03/31)

Teller and Fremont Counties

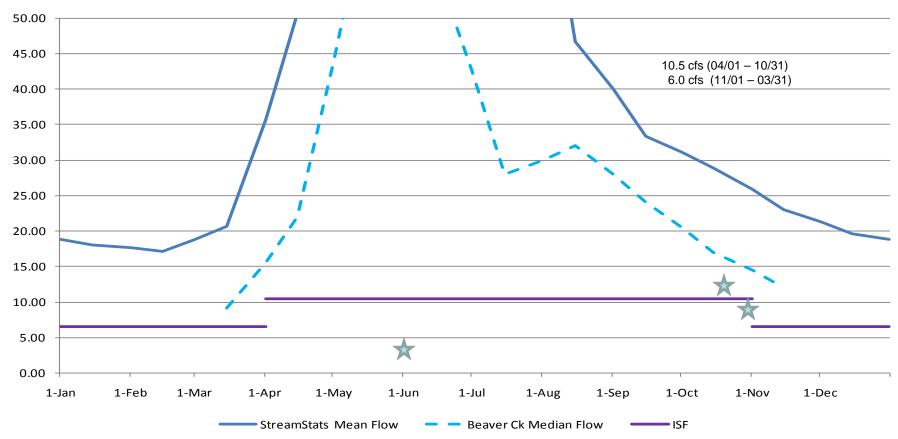






The total drainage area upstream of these ISF segments is 122 square miles (upstream of Patton Canyon) and 78 square miles (upstream of East Beaver Creek).

Beaver Creek - Estimated Streamflow



The CDOW is recommending 10.5 cfs, summer, and 6.6 cfs, winter, based on their data collection efforts.

Biological Data

Rainbow and Brown Trout Fishery.

Hydrologic Data

The hydrographs above were derived from data collected by the USGS stream gage for Beaver Creek above upper Beaver Creek cemetery near Penrose, CO (#07099050) and by the USGS StreamStats Water Resources Web Application Program.

<u>Stream</u>: Beaver Creek

Executive Summary

Water Division: 5 Water District: 45 CDOW#: 19097

Segment: Headwaters to Rifle Town Intake

Upper Terminus: Headwaters

Latitude: 39° 22' 39.8"N Longitude: 107° 51' 45.0"W

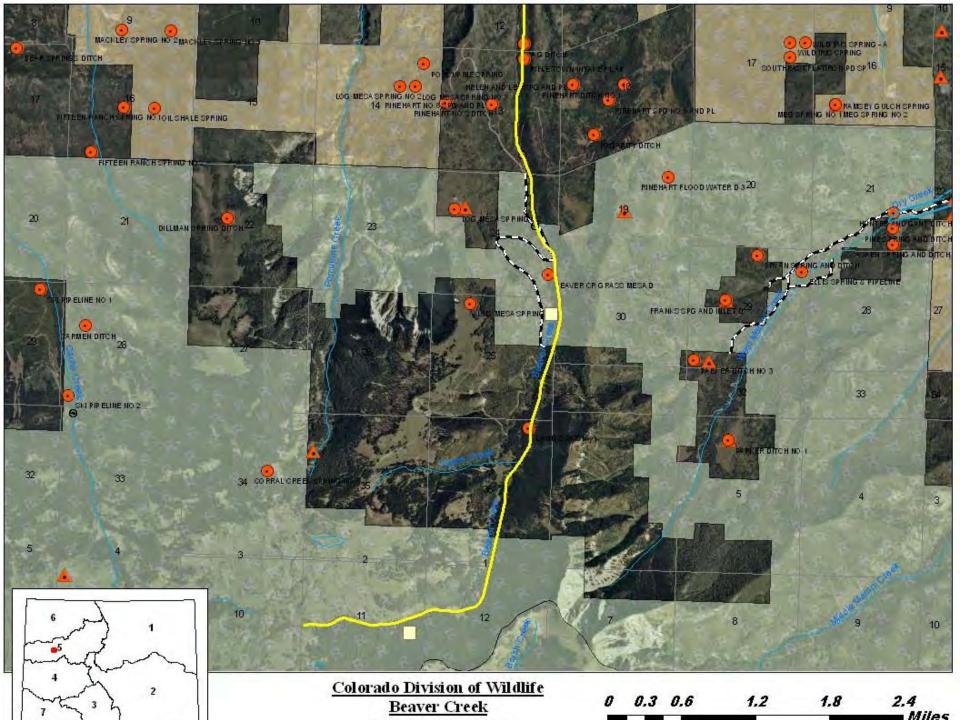
Lower Terminus: Rifle Town Intake

Latitude: 39° 26' 43.1"N Longitude: 107° 49' 55.1"W

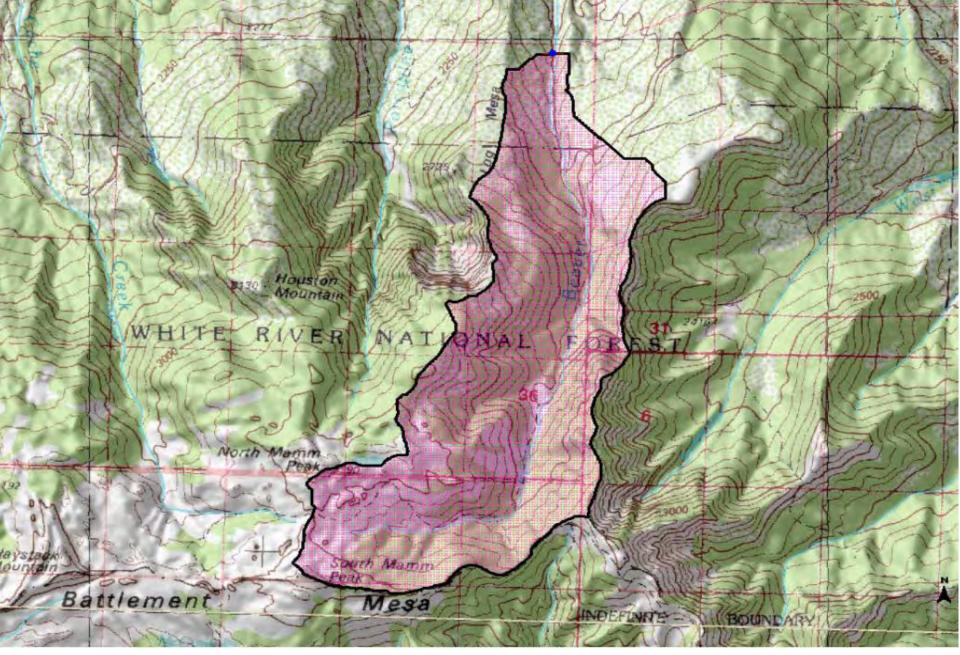
ISF Appropriation

4.75 cfs (05/01 - 06/30) 2.85 cfs (07/01 - 07/31) 1.00 cfs (08/01 - 11/30) 0.70 cfs (12/01 - 04/30)

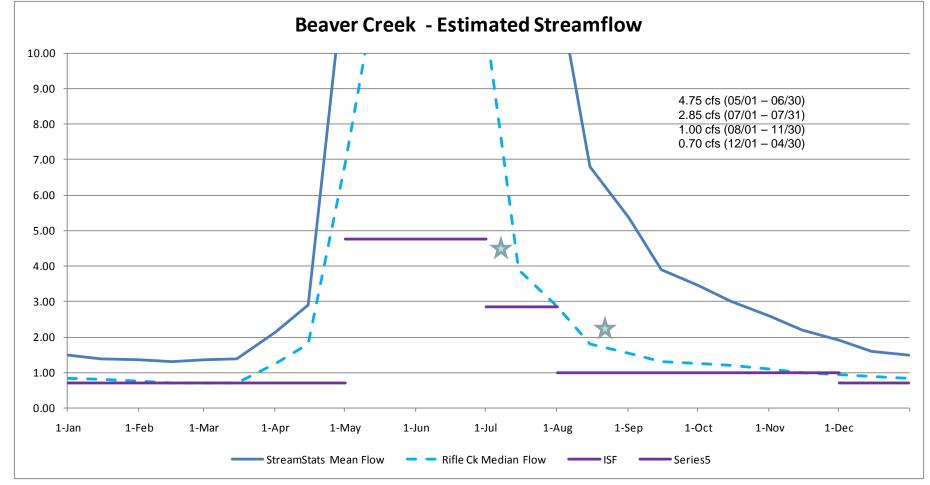
Mesa County







The total drainage area upstream of this ISF segment of Beaver Creek is 7.3 square miles.



The CDOW is recommending 4.75 cfs, summer, and 1.65 cfs, winter, based on data collection efforts.

Biological Data

Colorado River Cutthroat and Brown Trout Fishery.

Hydrologic Data

The hydrographs above were derived from data collected by the USGS stream gage for Beaver Creek, near Rifle, CO (#09092500) and by the USGS StreamStats Water Resources Web Application Program.

<u>Stream</u>: Beaver Dams Creek

Executive Summary

Water Division: 5 Water District: 45 CDOW#: 20979

Segment: Headwaters to East Divide Creek

Upper Terminus: Headwaters

Latitude: 39° 21' 29.5"N Longitude: 107° 26' 54.8"W

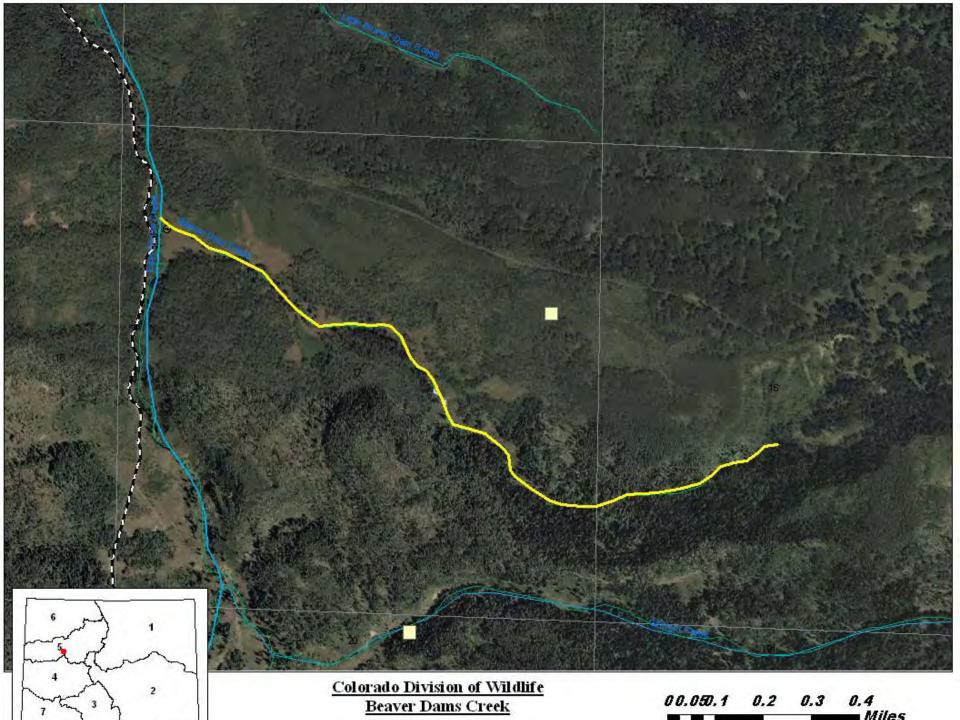
Lower Terminus: East Divide Creek

Latitude: 39° 21' 51.8"N Longitude: 107° 28' 22.2"W

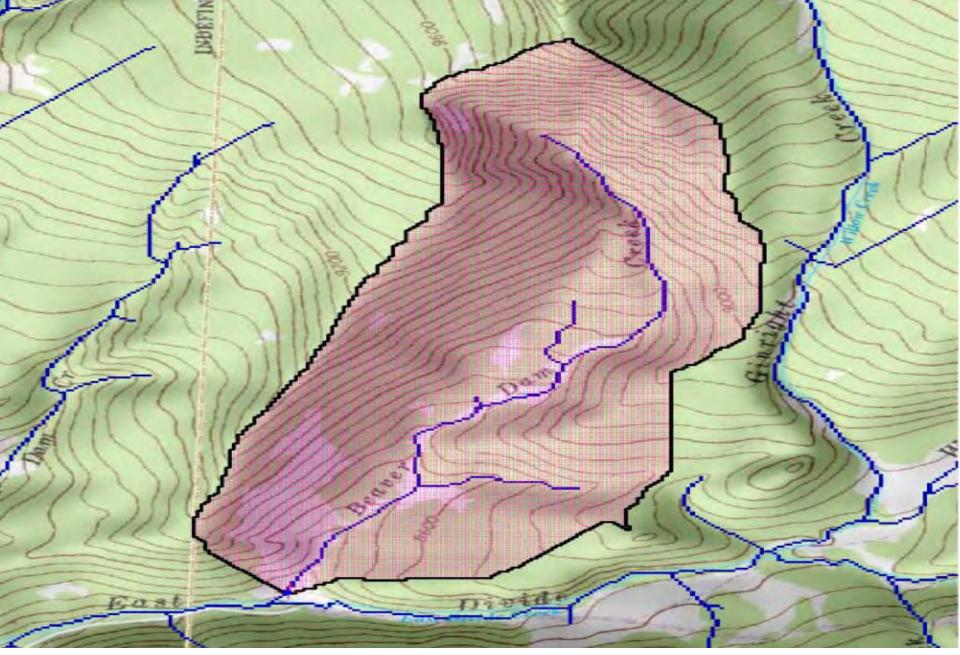
ISF Appropriation

1.50 cfs (05/01 - 05/31)* 0.70 cfs (06/01 - 06/30)* 0.15 cfs (07/01 - 04/30)

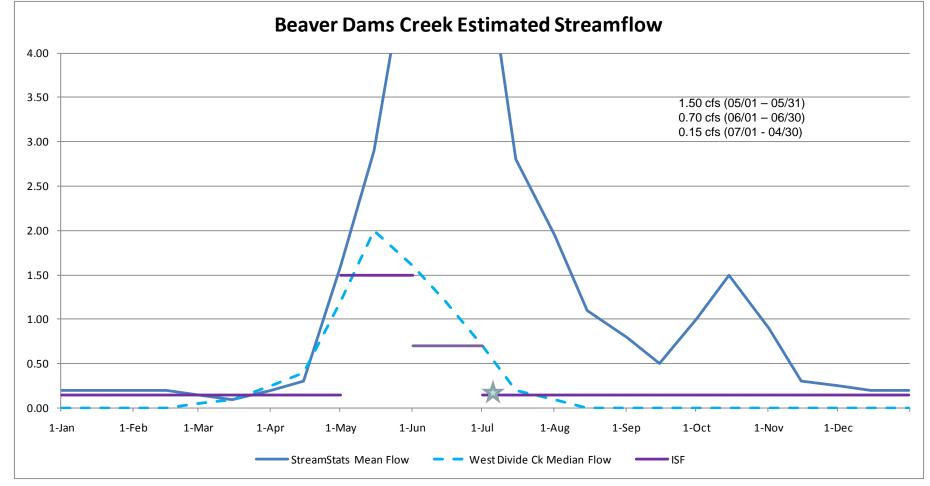
Mesa County







The total drainage area upstream of this ISF segment of Beaver Dams Creek is 0.8 square miles.



The CDOW is estimating 1.5 cfs, summer, and 0.5 cfs, winter, based on data collection efforts.

Biological Data

Colorado River Cutthroat Trout Fishery.

Hydrologic Data

The hydrographs above were derived from data collected by the USGS stream gage for West Divide Creek, near Raven, CO (#09089500) and by the USGS StreamStats Water Resources Web Application Program.

Stream: East Divide Creek #1

Executive Summary

Water Division: 5 Water District: 45 CDOW#: 20830

Segment: Gennings Creek to Camp Creek

Upper Terminus: Gennings Creek

Latitude: 39° 20' 25.9"N Longitude: 107° 28' 24.1"W

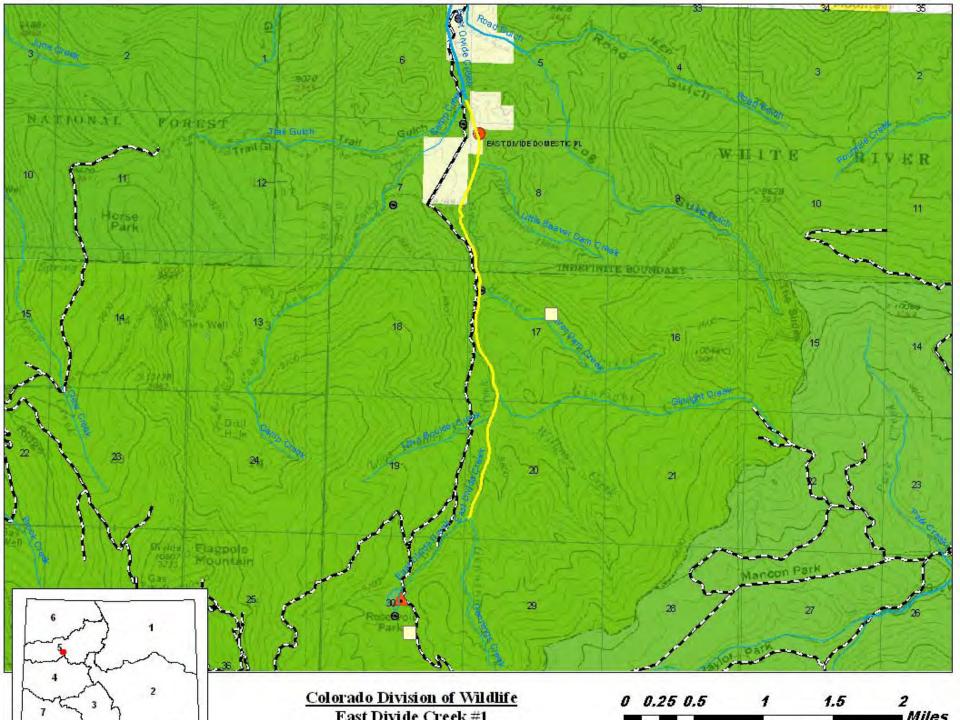
Lower Terminus: Camp Creek

Latitude: 39° 23' 02.3"N Longitude: 107° 28' 31.7"W

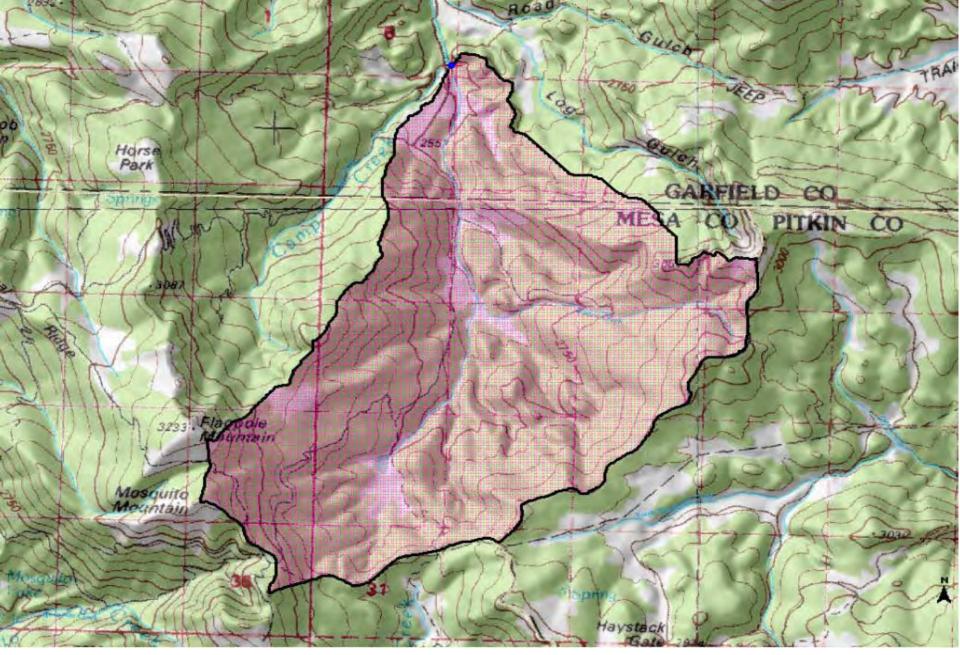
ISF Appropriation

2.3 cfs (03/15 - 04/14) 4.8 cfs (04/15 - 07/14) 1.2 cfs (07/15 - 08/14) 0.5 cfs (08/15 - 03/14)

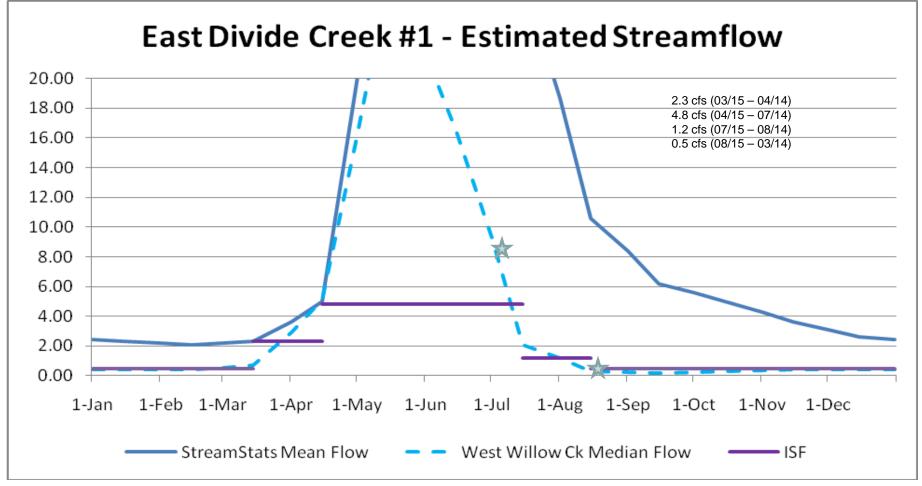
Mesa & Garfield Counties







The total drainage area upstream of this ISF segment of East Divide Creek is 10.6 square miles.



The CDOW is recommending 4.8 cfs, summer, and 0.5 cfs, winter, based on data collection efforts.

Biological Data

Colorado River Cutthroat and Rainbow Trout Fishery.

Hydrologic Data

The hydrograph below was derived from data collected by the USGS stream gage for West Divide Creek, near Raven, CO (#09089500) and by the USGS StreamStats Water Resources Web Application Program.

Stream: East Divide Creek #2

Executive Summary

Water Division: 5 Water District: 45 CDOW#: 20830

Segment: Camp Creek to June Creek

Upper Terminus: Camp Creek Latitude: 39° 23' 02.3"N Longitude: 107° 28' 31.7"W

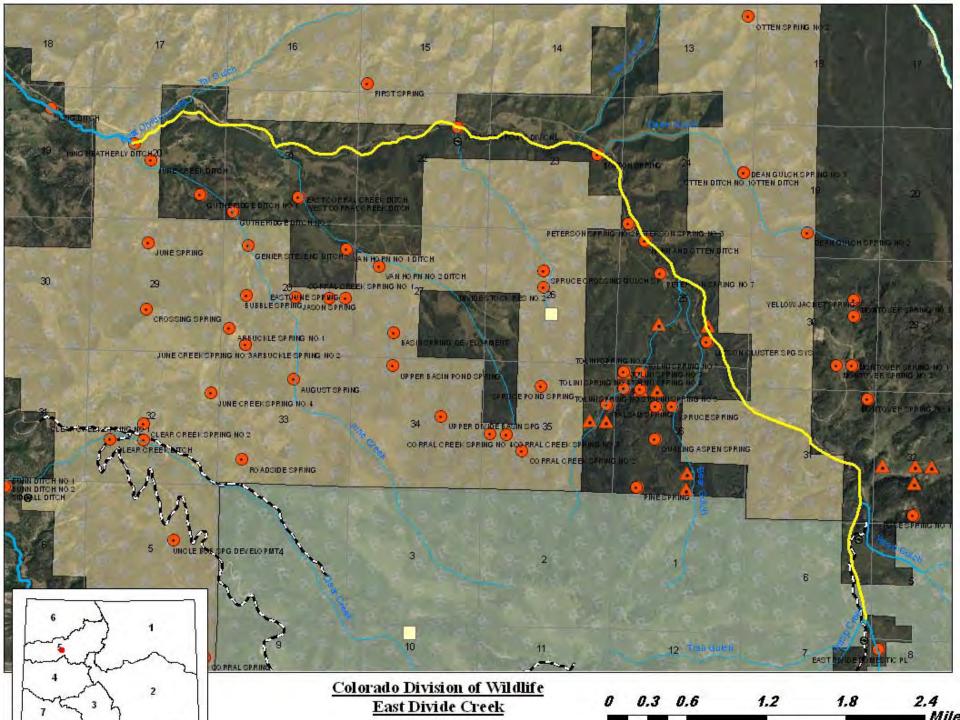
Lower Terminus: June Creek

Latitude: 39° 26' 01.8"N Longitude: 107° 34' 51.0"W

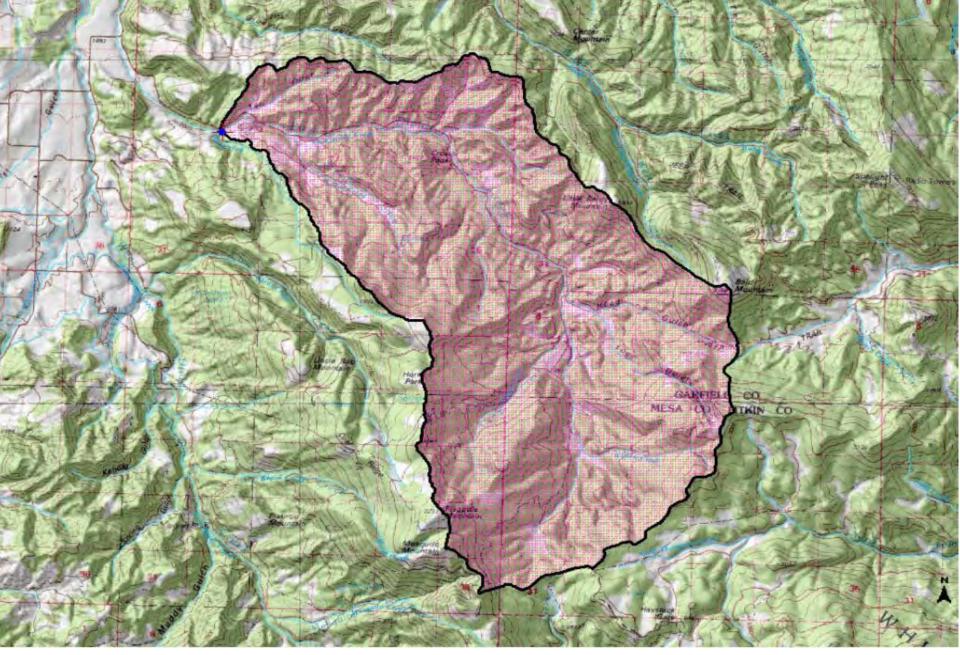
ISF Appropriation

7.2 cfs (03/15 - 07/31) 1.6 cfs (08/01 - 03/14)

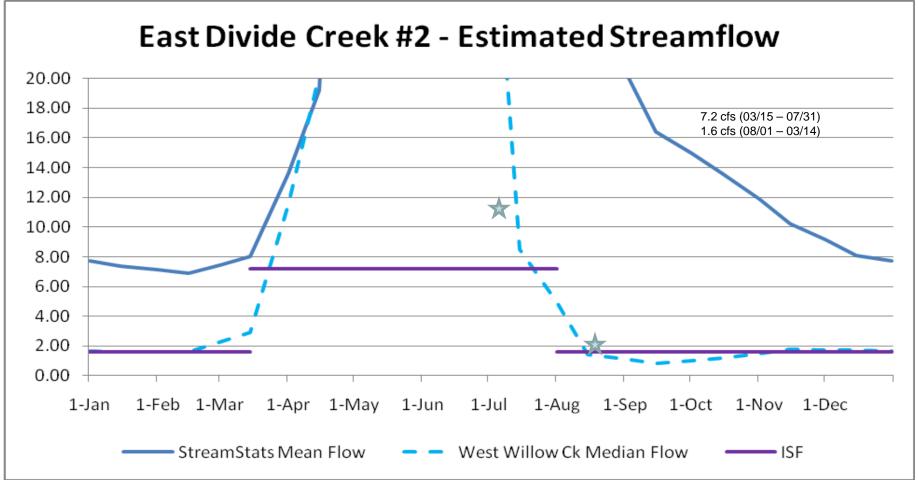
Garfield County







The total drainage area upstream of this ISF segment of East Divide Creek is 42.1 square miles.



The CDOW is recommending 7.2 cfs, summer, and 3.0 cfs, winter, based on data collection efforts.

Biological Data

Colorado River Cutthroat and Rainbow Trout Fishery.

Hydrologic Data

The hydrograph below was derived from data collected by the USGS stream gage for West Divide Creek, near Raven, CO (#09089500) and by the USGS StreamStats Water Resources Web Application Program.

<u>Stream</u>: West Divide Creek

Executive Summary

Water Division: 5 Water District: 45 CDOW#: 22967

<u>Segment</u>: Little Beaver Creek to Mosquito Creek

Upper Terminus: Little Beaver Creek

Latitude: 39° 16' 13.8"N Longitude: 107° 27' 32.3"W

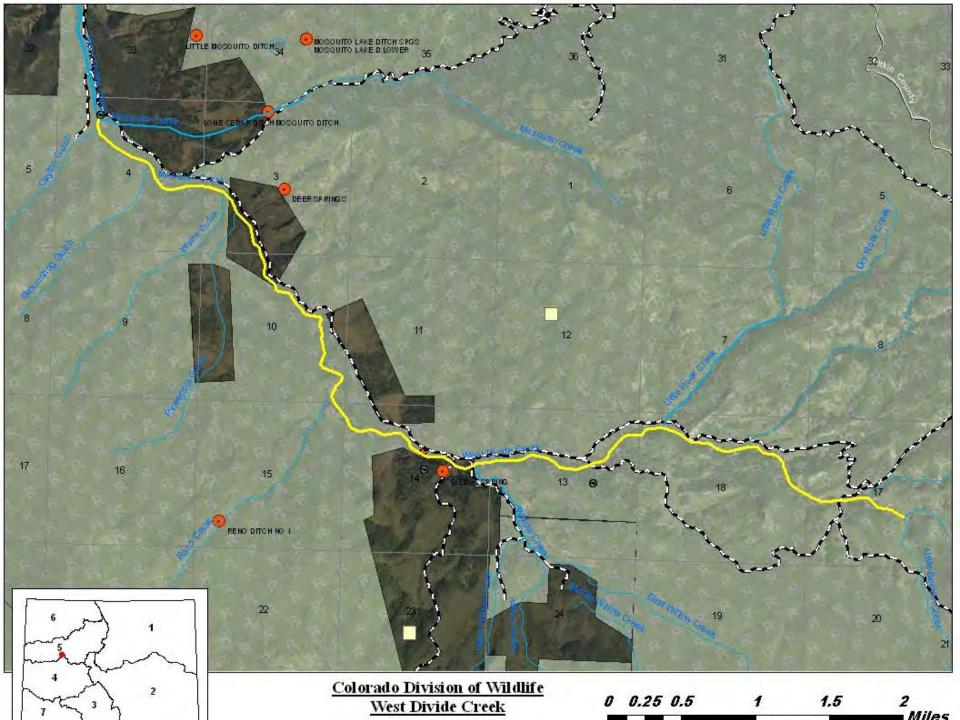
Lower Terminus: Mosquito Creek

Latitude: 39° 18' 26.1"N Longitude: 107° 33' 43.9"W

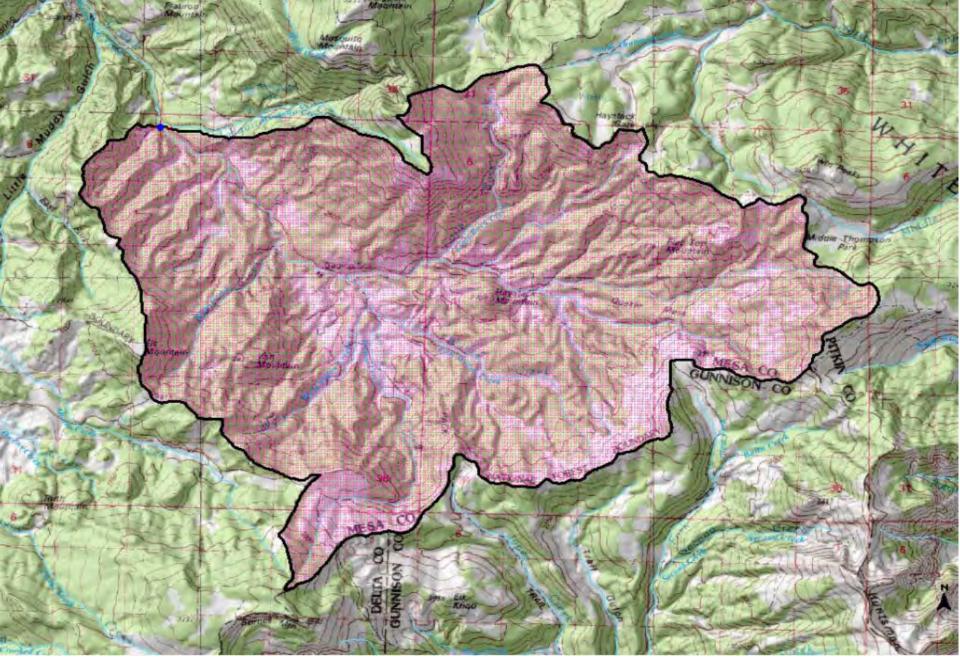
ISF Appropriation

14.1 cfs (04/01 - 07/14) 5.50 cfs (07/15 - 08/14) 1.80 cfs (08/15 - 03/31)

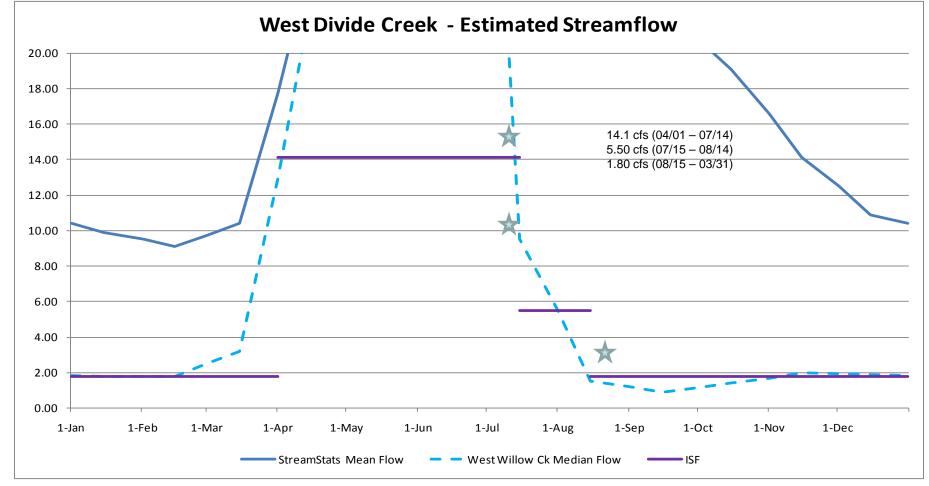
Mesa County







The total drainage area upstream of this ISF segment of West Divide Creek is 47.1 square miles.



Instream Flow Recommendation(s)

The CDOW is recommending 14.1 cfs, summer, and 7.1 cfs, winter, based on data collection efforts.

Biological Data

Cutthroat and Rainbow Trout, Bluehead Sucker, Mottled Sculpin, Speckled Dace Fisheries

Hydrologic Data

The hydrograph below was derived from data collected by the USGS stream gage for West Divide Creek, near Raven, CO (#09089500) and by the USGS StreamStats Water Resources Web Application Program.

Stream: Meadow Creek

Executive Summary

Water Division: 5 Water District: 39 CDOW#: 21131

Segment: Outlet Meadow Creek Reservoir to Main Elk Creek

Upper Terminus: Meadow Creek Reservoir

Latitude: 39º 48' 24.3"N Longitude: 107º 32' 43.7"W

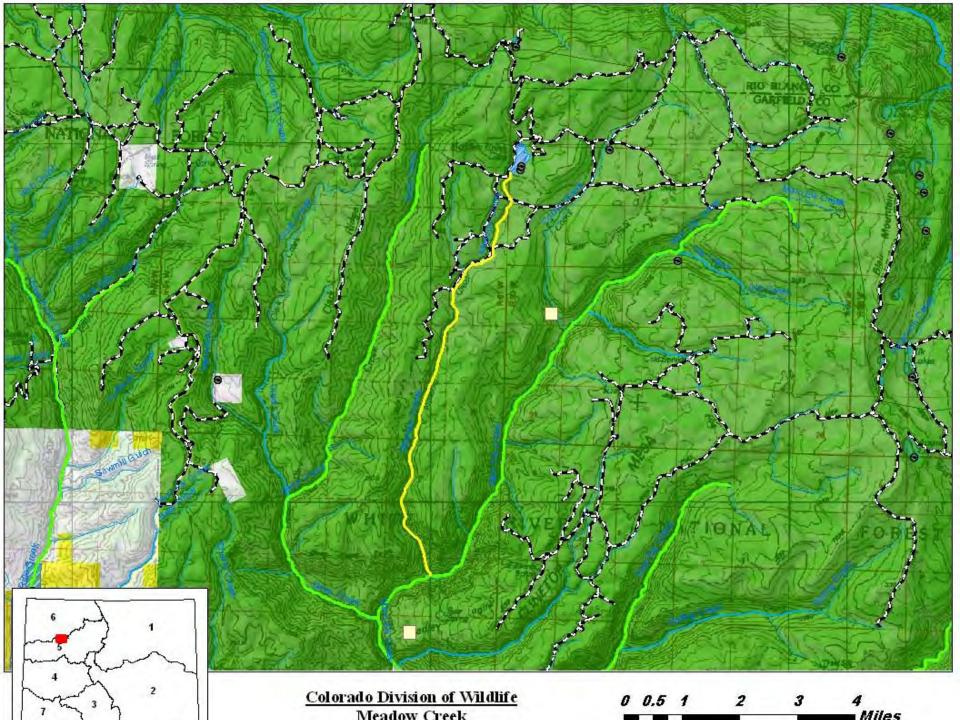
Lower Terminus: Main Elk Creek

Latitude: 39° 42' 18.6"N Longitude: 107° 34' 03.5"W

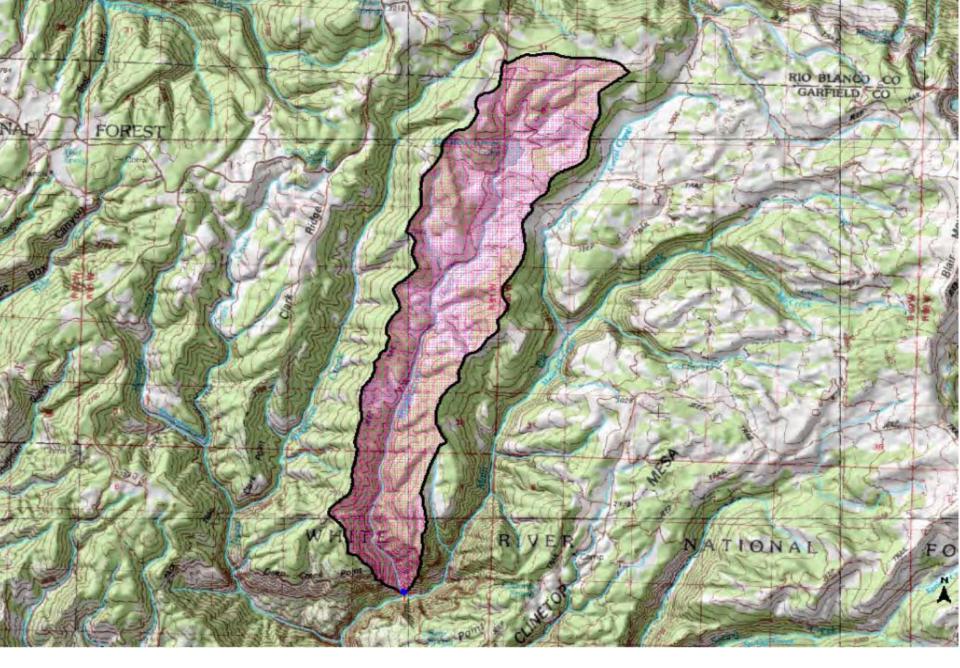
ISF Appropriation

2.1 cfs (04/01 - 09/30) 1.3 cfs (10/01 - 03/31)

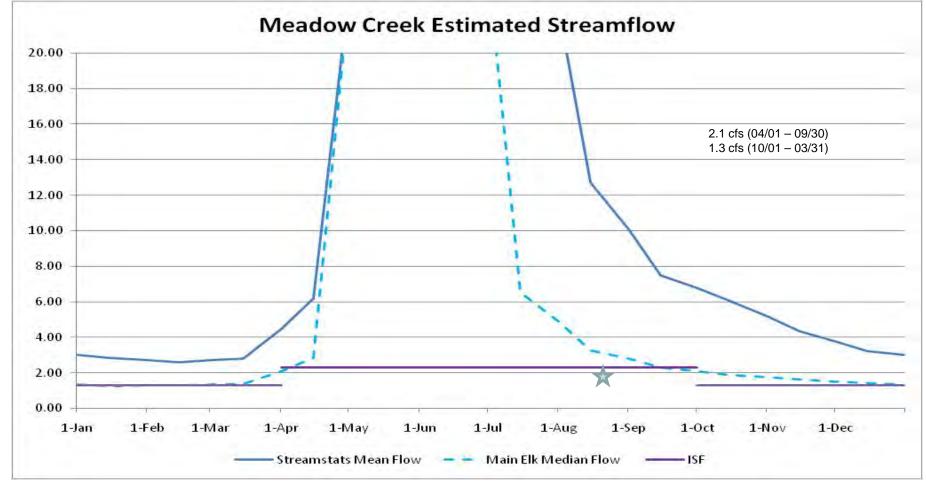
Garfield County







The total drainage area upstream of this ISF segment of Meadow Creek is 12.4 square miles.



Instream Flow Recommendation(s)

The CDOW is recommending 2.1 cfs, summer, and 1.3 cfs, winter, based on data collection efforts.

Biological Data

Brook and Rainbow Trout Fishery

Hydrologic Data

The hydrograph below was derived from data collected by the USGS stream gage for Main Elk Creek, near New Castle, CO (#09086470) and by the USGS StreamStats Water Resources Web Application Program.



Is working with:

The Colorado Department of Public Health and Environment

City of Fort Collins Natural Areas Department

City of Pueblo

Stream: North Clear Creek

Executive Summary

Water Division: 1 Water District: 7 CDOW#: 10568

Segment: Chase Gulch to Clear Creek

Upper Terminus: Chase Gulch

Latitude: 39° 48' 14.2"N Longitude: 105° 29' 47.9"W

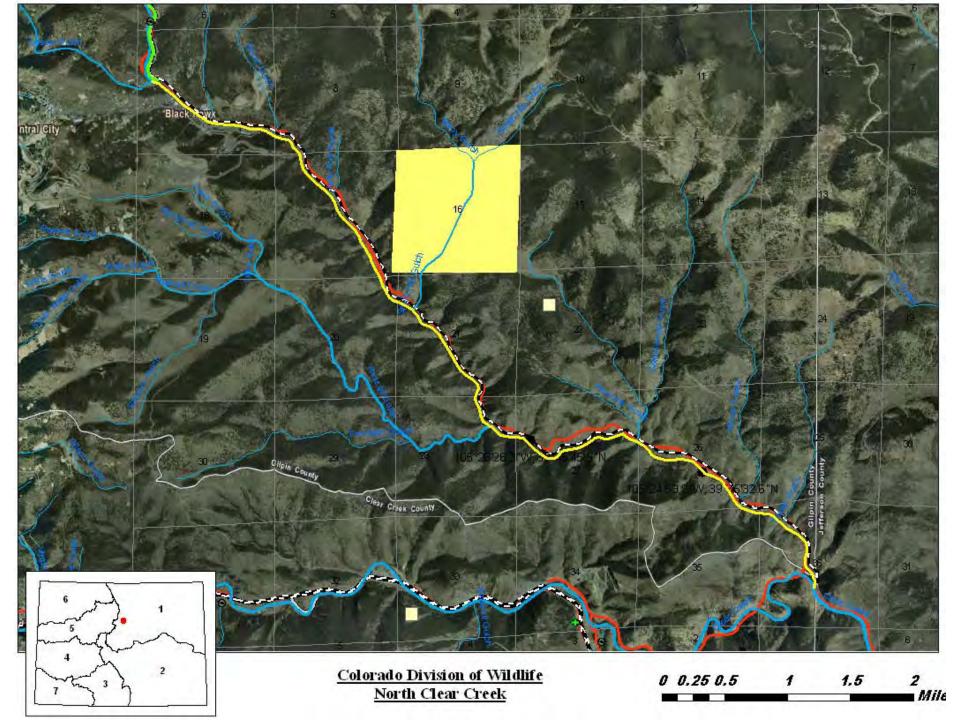
Lower Terminus: Clear Creek

Latitude: 39° 44' 45.1"N Longitude: 105° 23' 52.8"W

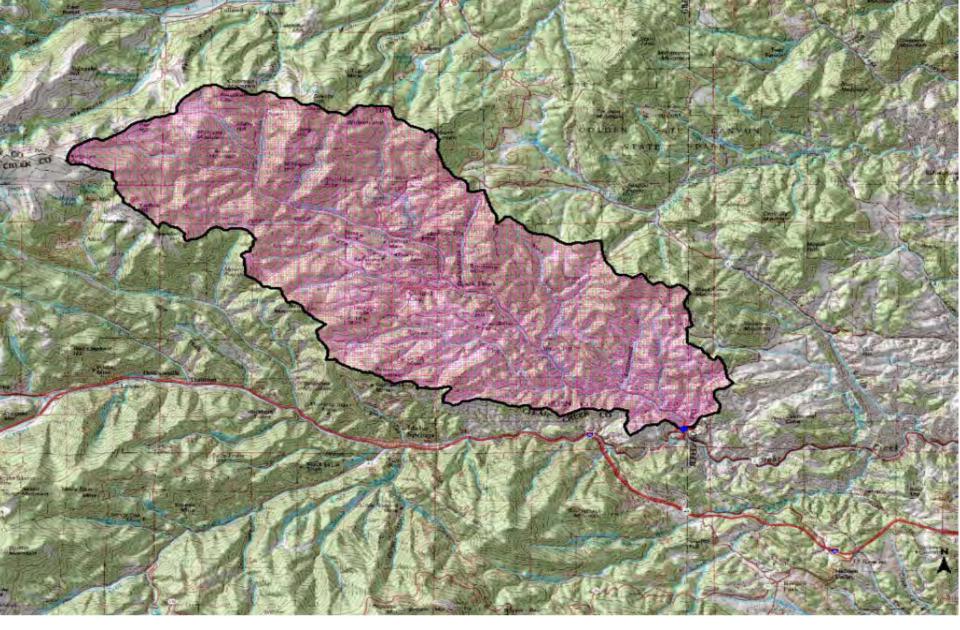
ISF Appropriation

3.75 cfs (03/15 – 10/31) 2.25 cfs (11/01 – 03/14)

Gilpin County

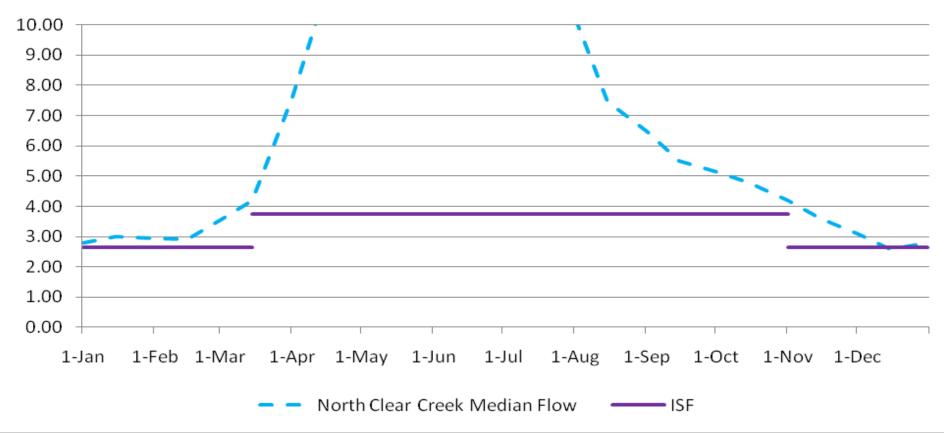






The total drainage area upstream of this ISF segment of North Clear Creek is 60.2 square miles.

North Clear Creek - Estimated Streamflow



Instream Flow Recommendation(s)

The CDOW is recommending 3.75 cfs, summer, and 2.25 cfs, winter, based on data collection efforts.

Biological Data

Brook and Brown Trout Fishery

Hydrologic Data

The hydrograph below was derived from data collected by the USGS stream gage for North Clear Creek, near Blackhawk, CO (#06718550) and by the USGS StreamStats Water Resources Web Application Program.

<u>Stream</u>: Graves Creek

Executive Summary

Water Division: 1 Water District: 3

Segment: Wyoming State Line to South Line S27 T12N R68W

Upper Terminus: Wyoming State Line

Latitude: 40° 59' 53.8"N Longitude: 105° 01' 29.4"W

Lower Terminus: South Line S27 T12N R68W

Latitude: 40° 58' 18.6"N Longitude: 104° 59' 42.0"W

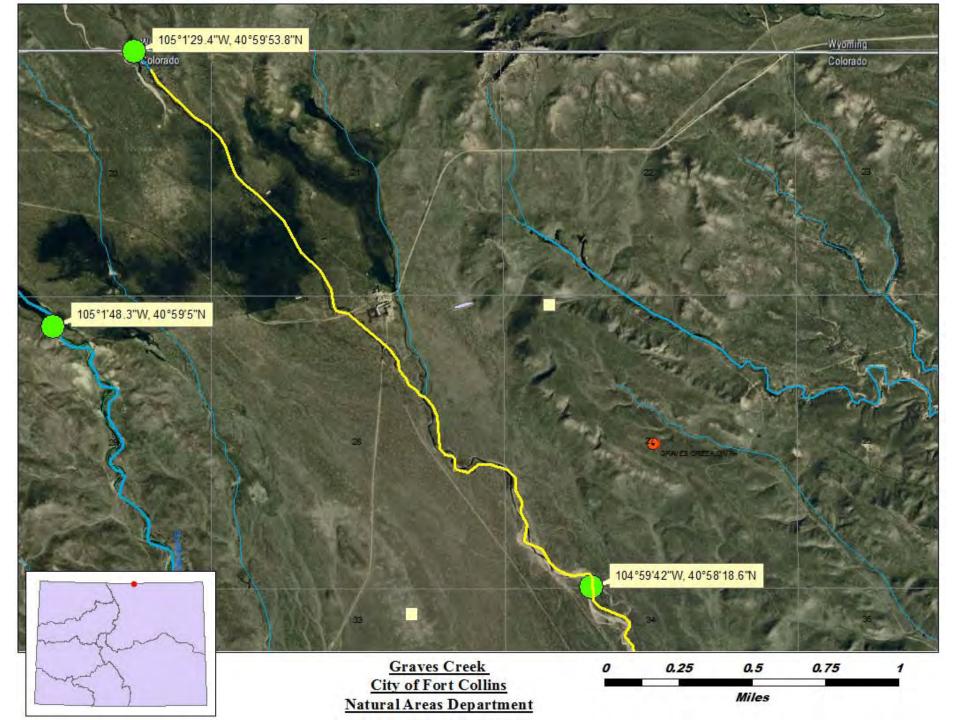
ISF Appropriation

?

Biological Data

Potential Habitat for Native Aquatic Species Brassy Minnow (ST) Iowa Darter (SSC)

Larimer County



Stream: Spottlewood Creek #1

Executive Summary

Water Division: 1 Water District: 3 CDOW#: 10803

Segment: NW S29 T12N R68W to Road at NW S33 T12N R68W

Upper Terminus: NW S29 T12N R68W

Latitude: 40° 59' 05.0"N Longitude: 105° 01' 48.3"W

Lower Terminus: Road at NW S33 T12N R68W

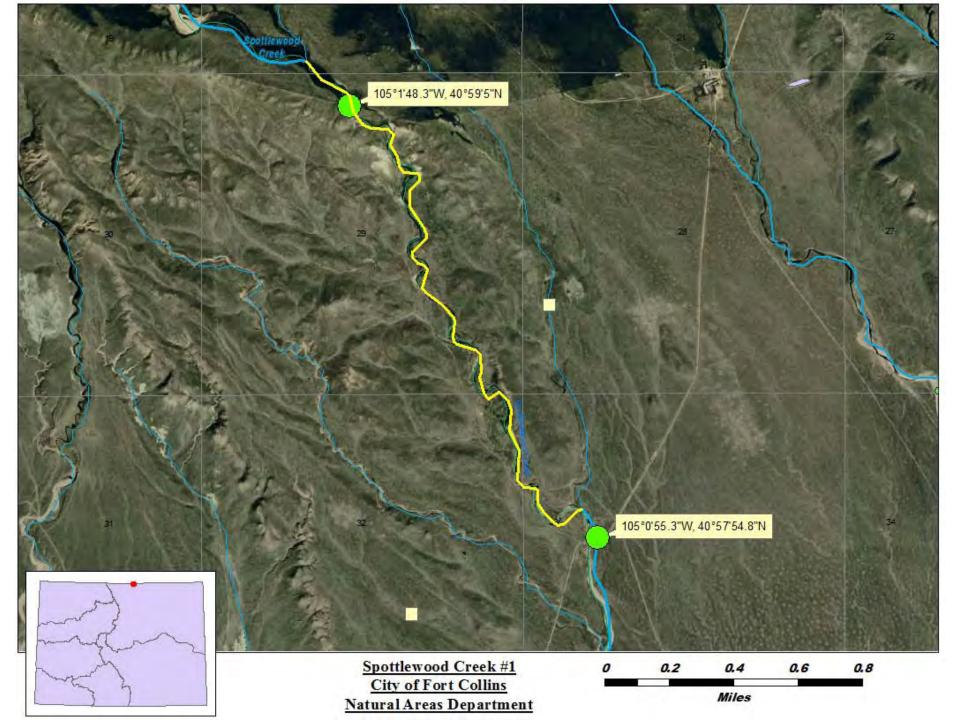
Latitude: 40° 57' 54.8"N Longitude: 105° 00' 55.3"W

ISF Appropriation

Biological Data

Potential Habitat for Native Aquatic Species Brassy Minnow (ST) Iowa Darter (SSC)

Larimer County



<u>Stream</u>: Spottlewood Creek #2

Executive Summary

Water Division: 1 Water District: 3 CDOW#: 10803

Segment: NW S34 T11N R68W to SW S34 T11N R68W

Upper Terminus: NW S34 T11N R68W

Latitude: 40° 53' 05.3"N Longitude: 104° 59' 40.0"W

Lower Terminus: SW S34 T11N R68W

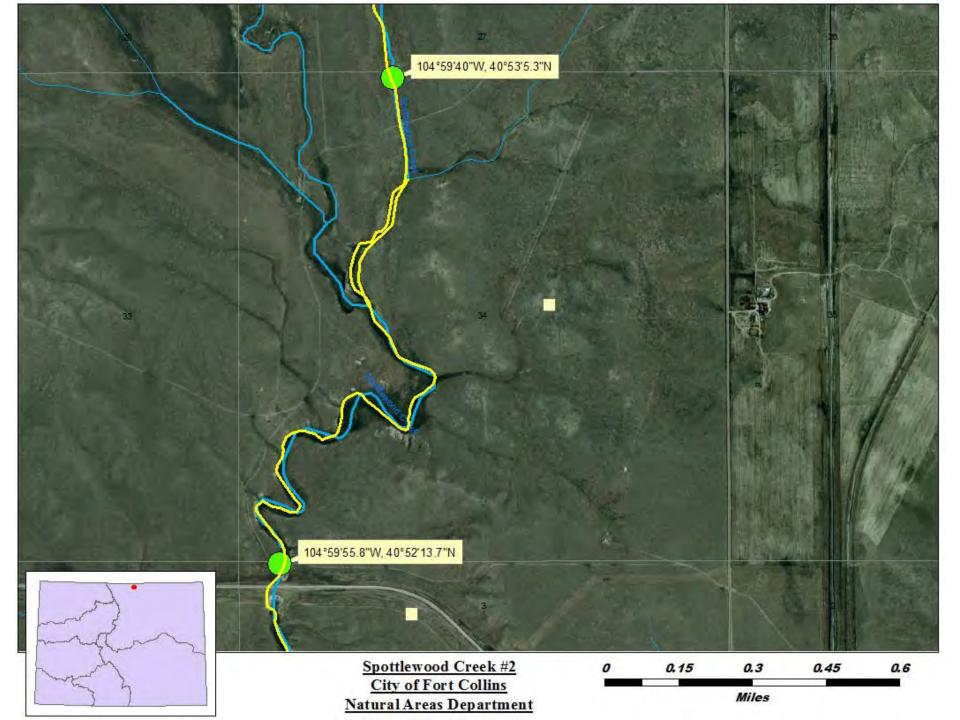
Latitude: 40° 52' 13.7"N Longitude: 104° 59' 55.8"W

ISF Appropriation

Biological Data

Habitat for Native Aquatic Species Brassy Minnow (ST) Iowa Darter (SSC)

Larimer County



<u>Stream</u>: Lone Tree Creek

Executive Summary

Water Division: 1 Water District: 1 CDOW#: 10738

Segment: NW S29 T12N R67W to SE S31 T12N R67W

Upper Terminus: NW S29 T12N R67W

Latitude: 40° 59' 10.0"N Longitude: 104° 54' 56.5"W

Lower Terminus: SE S31 T12N R67W

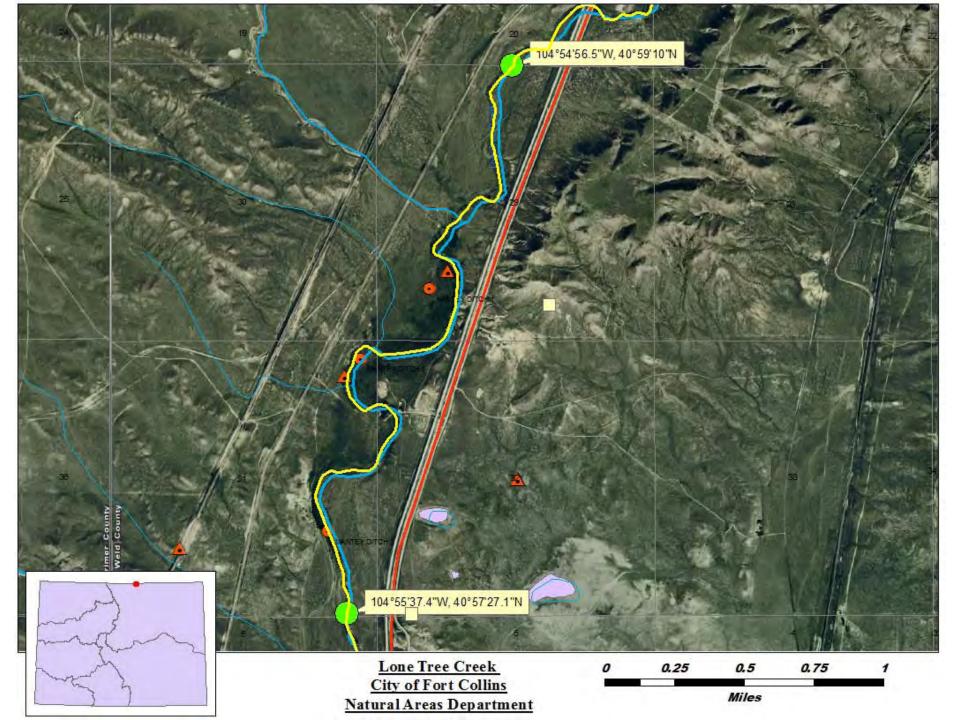
Latitude: 40° 57' 27.1"N Longitude: 104° 55' 37.4"W

ISF Appropriation

Biological Data

Habitat for Native Aquatic Species Iowa Darter (SSC)

Weld County



Stream: Arkansas River #1

Executive Summary

Water Division: 2 Water District: 10 CDOW#: 28971

Segment: Outlet of Fish Hatchery to Start of Levee

Upper Terminus: Outlet of Fish Hatchery

Latitude: 38° 16' 00.0"N Longitude: 104° 42' 44.0"W

Lower Terminus: Start of Concrete Levee

Latitude: 38° 16' 21.8"N Longitude: 104° 38' 04.3"W

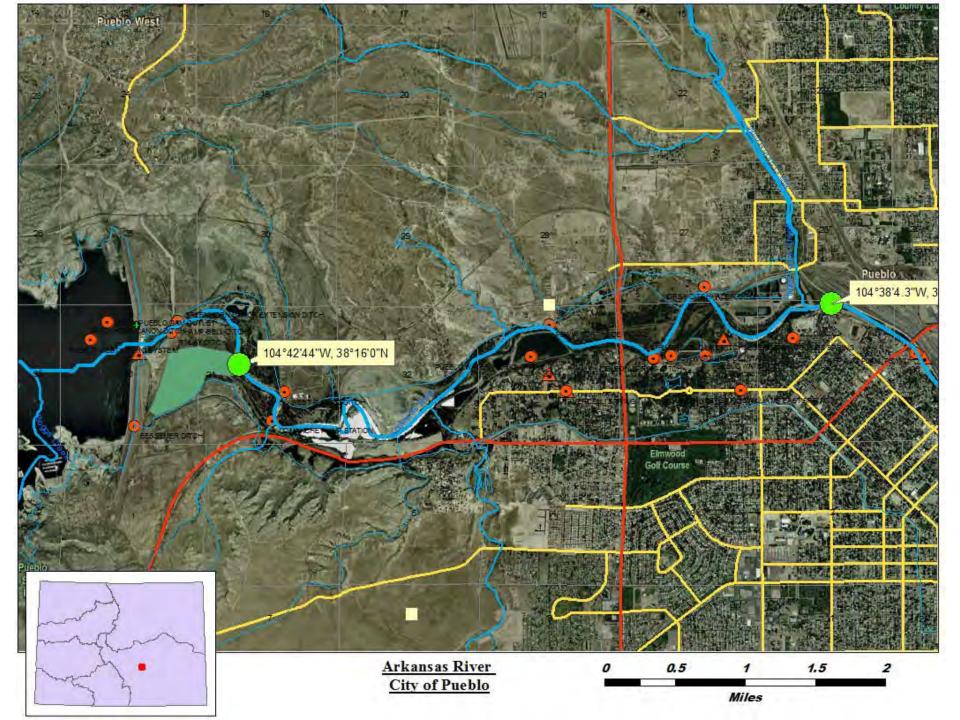
ISF Appropriation

100 cfs (01/01 - 12/31)

Biological Data

Rainbow/Cuttbow Trout Brown Trout

Pueblo County



<u>Stream</u>: Arkansas River #2

Executive Summary

Water Division: 2 Water District: 10 CDOW#: 28971

<u>Segment</u>: End of Levee to Fountain Creek

Upper Terminus: End of Concrete Levee

Latitude: 38° 15' 15.8"N Longitude: 104° 36' 23.3"W

Lower Terminus: Fountain Creek

Latitude: 38° 15' 09.8"N Longitude: 104° 35' 13.2"W

ISF Appropriation

100 cfs (01/01 - 12/31)

Biological Data

Rainbow/Cuttbow Trout Brown Trout

Pueblo County

