

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL COMMISSION**

**5 CCR 1002-32**

**REGULATION NO. 32  
CLASSIFICATIONS AND NUMERIC STANDARDS  
FOR  
ARKANSAS RIVER BASIN**

**APPENDIX 32-1  
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2021~~ 12/31/2021

## Abbreviations and Acronyms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
EQ	=	existing quality
mg/L	=	milligrams per liter
mg/m <sup>2</sup>	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

1a. All streams and wetlands within Mount Massive and Collegiate Peaks Wilderness areas.								
COARUA01A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	CS-I	CS-I	340	---	Arsenic		
	Recreation E	acute	chronic	---	0.02	Arsenic(T)		
	Water Supply	---	6.0	TVS	TVS	Cadmium		
Qualifiers:		---	7.0	5.0	---	Cadmium(T)		
Other:		6.5 - 9.0	---	---	TVS	Chromium III		
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		---	150	50	---	Chromium III(T)		
		---	126	TVS	TVS	Chromium VI		
		Inorganic (mg/L)			TVS	TVS	Copper	
		acute	chronic	---	WS	---	WS	Iron
		TVS	TVS	---	1000	---	1000	Iron(T)
		---	0.75	TVS	TVS	TVS	TVS	Lead
		---	250	---	---	50	---	Lead(T)
		0.019	0.011	TVS	TVS/WS	---	0.01	Manganese
		0.005	---	---	---	---	150	Mercury(T)
		10	---	TVS	TVS	---	150	Molybdenum(T)
		0.05	0.05	TVS	TVS	---	100	Nickel
		---	0.11	---	---	TVS	TVS	Nickel(T)
		---	WS	TVS	TVS	TVS	TVS	Selenium
		---	0.002	TVS	TVS(tr)	varies*	varies*	Silver
		---	---	TVS	TVS	TVS	TVS	Uranium
---	---	TVS	TVS	TVS	TVS	Zinc		

  

1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.								
COARUA01B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Aq Life Cold 1	DM	MWAT	acute	chronic			
Reviewable	Recreation E	CS-I	CS-I	340	---	Arsenic		
	Water Supply	acute	chronic	---	0.02	Arsenic(T)		
Qualifiers:		---	6.0	TVS	TVS	Cadmium		
Other:		---	7.0	5.0	---	Cadmium(T)		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		6.5 - 9.0	---	---	TVS	Chromium III		
		---	150	50	---	---	Chromium III(T)	
		---	126	TVS	TVS	TVS	TVS	Chromium VI
		Inorganic (mg/L)			TVS	TVS	TVS	Copper
		acute	chronic	---	WS	---	WS	Iron
		TVS	TVS	---	1000	---	1000	Iron(T)
		---	---	TVS	TVS	TVS	TVS	Lead
		---	250	---	---	50	---	Lead(T)
		0.019	0.011	TVS	TVS/WS	---	0.01	Manganese
		0.005	---	---	---	---	210	Mercury(T)
		10	---	TVS	TVS	---	210	Molybdenum(T)
		0.05	0.05	TVS	TVS	---	100	Nickel
		---	0.11	---	---	TVS	TVS	Nickel(T)
		---	WS	TVS	TVS	TVS	TVS	Selenium
		---	0.002	TVS	TVS(tr)	varies*	varies*	Silver
---	---	TVS	TVS	TVS	TVS	Uranium		
---	---	TVS	TVS	TVS	TVS	Zinc		

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.						
COARUA02A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50
Expiration Date of 12/31/2024		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Copper	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).			acute	chronic	Iron	---
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05---	--0.05	Nickel	TVS
		Phosphorus	---	0.11*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS
2b. Mainstem of the Arkansas River from a point immediately above California Gulch to a point immediately above the confluence with Lake Fork.						
COARUA02B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable*	Aq Life Cold 1 Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS
*Designation: 9/30/00 Base-line does not apply		pH	6.5 - 9.0	---	Chromium III(T)	---
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium VI	TVS
*Uranium(acute) = See 32.5(3) for details.		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Copper	TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron(T)	---
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)			acute	chronic	Lead	TVS
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Ammonia	TVS	TVS	Manganese	TVS
		Boron	---	0.75	Mercury(T)	---
		Chloride	---	---	Molybdenum(T)	---
		Chlorine	0.019	0.011	Nickel	TVS
		Cyanide	0.005	---	Selenium	TVS
		Nitrate	100	---	Silver	TVS
		Nitrite	0.05---	--0.05	Uranium	varies*
		Phosphorus	---	---	Zinc	---
		Sulfate	---	---	Zinc	SSE*
		Sulfide	---	0.002		---

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.						
COARUA02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable*	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS      SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50      ---
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron	---	WS
*Designation: 9/30/00 Base-line does not apply *Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178) *Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS      TVS
		Chloride	---	250	Lead(T)	50      ---
		Chlorine	0.019	0.011	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05---	--0.05	Nickel	TVS      TVS
		Phosphorus	---	---	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS      TVS
		Sulfide	---	0.002	Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	---
					Zinc	SSE*      ---

  

3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.						
COARUA03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50      ---
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron	---	WS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS      TVS
		Chloride	---	250	Lead(T)	50      ---
		Chlorine	0.019	0.011	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05---	--0.05	Nickel	TVS      TVS
		Phosphorus	---	---	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS      TVS
		Sulfide	---	0.002	Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence.							
COARUA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	varies*	varies*	Arsenic	340 ---	--- 0.02
<b>Qualifiers:</b>			acute	chronic	Arsenic(T)	---	0.02
<b>Other:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=CSII and MWAT=CSII from 11/1-3/31 DM= 24.8 and MWAT=22.1 from 4/1-10/31		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence, to the inlet of Pueblo Reservoir.							
COARUA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340 ---	--- 0.02
<b>Qualifiers:</b>			acute	chronic	Arsenic(T)	---	0.02
<b>Other:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5---	--0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

5a. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 5b through 12b.

COARUA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0-05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of Trout Creek from its source to Trout Creek Reservoir, including all tributaries and wetlands.

COARUA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0-05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

6. Mainstem of California Gulch, including all tributaries, from the source to the confluence with the Arkansas River. Mainstem of St. Kevin's Gulch from the source to the confluence with Tennessee Creek.								
COARUA06	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Recreation N							
Qualifiers:			acute	chronic				
Other:	D.O. (mg/L)	---	---		Arsenic	---	---	
	pH	---	---		Cadmium	---	---	
	chlorophyll a (mg/m <sup>2</sup> )	---	---		Chromium III	---	---	
*Uranium(acute) = See 32.5(3) for details.	<u>E-ColiE_coli</u> (per 100 mL)	---	630		Chromium VI	---	---	
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)				Copper	---	---
			acute	chronic		Iron	---	---
	Ammonia	---	---		Lead	---	---	
	Boron	---	---		Manganese	---	---	
	Chloride	---	---		Mercury(T)	---	---	
	Chlorine	---	---		Molybdenum(T)	---	---	
	Cyanide	---	---		Nickel	---	---	
	Nitrate	---	---		Selenium	---	---	
	Nitrite	---	---		Silver	---	---	
	Phosphorus	---	---		Uranium	varies*	varies*	
	Sulfate	---	---		Zinc	---	---	
	Sulfide	---	---					
7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.								
COARUA07	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply							
Qualifiers:			acute	chronic				
Other:	Temperature °C	CS-I	CS-I		Arsenic	340	---	
	D.O. (mg/L)	---	6.0		Arsenic(T)	---	0.02	
	D.O. (spawning)	---	7.0		Cadmium	TVS	TVS	
	pH	6.5 - 9.0	---		Cadmium(T)	5.0	---	
	chlorophyll a (mg/m <sup>2</sup> )	---	150		Chromium III	---	TVS	
Temporary Modification(s):	<u>E-ColiE_coli</u> (per 100 mL)	---	126		Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		Inorganic (mg/L)				Chromium VI	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					Iron	---	WS	
*Uranium(chronic) = See 32.5(3) for details.	Ammonia	TVS	TVS		Iron(T)	---	1000	
	Boron	---	0.75		Lead	TVS	TVS	
	Chloride	---	250		Lead(T)	50	---	
	Chlorine	0.019	0.011		Manganese	TVS	TVS/WS	
	Cyanide	0.005	---		Mercury(T)	---	0.01	
	Nitrate	10	---		Molybdenum(T)	---	150	
	Nitrite	<del>0.05</del>	<del>---</del>		Nickel	TVS	TVS	
	Phosphorus	---	0.11		Nickel(T)	---	100	
	Sulfate	---	WS		Selenium	TVS	TVS	
	Sulfide	---	0.002		Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

8a. Mainstem of Iowa Gulch from the source to the historic upper ASARCO water supply intake at 39.224327, -106.223432.							
COARUA08A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
<b>Qualifiers:</b>  <b>Other:</b>  *Cadmium(acute) = (1.136672- [ln(hardness)*0.041838]*e^(0.9789*ln(hardness)- 3.5146) *Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7977*ln(hardness)- 3.5338) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Zinc(acute) = 0.978*e^(0.8571[ln(hardness)]+1.3673) *Zinc(chronic) = 0.986*e^(0.8571[ln(hardness)]+1.1711)	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
	D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
	chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS	
	<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---	
				Chromium VI	TVS	TVS	
	Inorganic (mg/L)			Copper	TVS	TVS	
	acute	chronic	Iron	---	WS		
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	150	
	Nitrite	0.05---	---0.05	Nickel	TVS	TVS	
Phosphorus	---	0.11	Nickel(T)	---	100		
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	---	SSE*		
			Zinc	SSE*	---		

  

8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432 to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch) at 39.215532, -106.286037.							
COARUA08B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
<b>Qualifiers:</b>  <b>Other:</b>  *Cadmium(acute) = (1.136672- [ln(hardness)*0.041838]*e^(0.9789*ln(hardness)- 3.5146) *Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7977*ln(hardness)- 3.5338) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Zinc(acute) = 0.978*e^(0.8571[ln(hardness)]+1.3673) *Zinc(chronic) = 0.986*e^(0.8571[ln(hardness)]+1.1711)		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
	D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
	pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
	chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---	100	
	<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
				Copper	TVS	TVS	
	Inorganic (mg/L)			Iron(T)	---	1000	
	acute	chronic	Lead	TVS	TVS		
	Ammonia	TVS	TVS	Manganese	TVS	TVS	
	Boron	---	0.75	Mercury(T)	---	0.01	
	Chloride	---	---	Molybdenum(T)	---	150	
	Chlorine	0.019	0.011	Nickel	TVS	TVS	
	Cyanide	---	---	Selenium	TVS	TVS	
	Nitrate	100	---	Silver	TVS	TVS(tr)	
	Nitrite	0.05---	---0.05	Uranium	varies*	varies*	
Phosphorus	---	0.11	Zinc	---	SSE*		
Sulfate	---	---	Zinc	SSE*	---		
Sulfide	---	0.002					

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

9. Mainstem of Iowa Gulch from a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch) at 39.215532, -106.286037 to the confluence with the Arkansas River.							
COARUA09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	7.6
		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Other:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---	100
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05---	---0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	---	SSE*
		Sulfide	---	0.002	Zinc	SSE*	---
10. Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.							
COARUA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	14.6	10.6
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

11. Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.						
COARUA11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E	CS-I	CS-I	Aluminum	750	---
Qualifiers:		acute	chronic	Arsenic	340	---
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 5.0-9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- 150 E.-ColiE. coli (per 100 mL) --- 126  <b>Inorganic (mg/L)</b> acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- --- Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 100 --- Nitrite 0.05--- ---0.05 Phosphorus --- 0.11 Sulfate --- --- Sulfide --- 0.002	Arsenic(T) --- 7.6 Cadmium TVS TVS Chromium III TVS TVS Chromium III(T) --- 100 Chromium VI TVS TVS Copper TVS TVS Iron(T) --- 1000 Lead TVS TVS Manganese TVS TVS Mercury(T) --- 0.01 Molybdenum(T) --- 150 Nickel TVS TVS Selenium TVS TVS Silver TVS TVS(tr) Uranium varies* varies* Zinc TVS TVS				
*Uranium(acute) = See 32.5(3) for details.						
*Uranium(chronic) = See 32.5(3) for details.						

  

12a. Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.						
COARUA12A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- 150* E.-ColiE. coli (per 100 mL) --- 126  <b>Inorganic (mg/L)</b> acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- 250 Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 10 --- Nitrite 0.05--- ---0.05 Phosphorus --- 0.11* Sulfate --- WS Sulfide --- 0.002	Cadmium TVS TVS Cadmium(T) 5.0 --- Chromium III --- TVS Chromium III(T) 50 --- Chromium VI TVS TVS Copper TVS TVS Iron --- WS Iron(T) --- 1000 Lead TVS TVS Lead(T) 50 --- Manganese TVS TVS/WS Mercury(T) --- 0.01 Molybdenum(T) --- 150 Nickel TVS TVS Nickel(T) --- 100 Selenium TVS TVS Silver TVS TVS(tr) Uranium varies* varies* Zinc TVS TVS				
Temporary Modification(s):						
Arsenic(chronic) = hybrid						
Expiration Date of 12/31/2024						
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).						
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).						
*Uranium(acute) = See 32.5(3) for details.						
*Uranium(chronic) = See 32.5(3) for details.						

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

COARUA12B		Physical and Biological			Metals (ug/L)		
Designation	Classifications		DM	MWAT		acute	chronic
Reviewable	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

  

COARUA13		Physical and Biological			Metals (ug/L)		
Designation	Classifications		DM	MWAT		acute	chronic
Reviewable	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

14a. Mainstem of Big Red Creek, Little Red Creek, and Hardscrabble Creek from their sources to their confluence with the Arkansas River.						
COARUA14A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2 Recreation E	Temperature °C	WS-II WS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6
Fish Ingestion Standards Apply		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS TVS
*Uranium(acute) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---
*Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium VI	TVS TVS
		<u>E. Coli</u> (per 100 mL)	---	126	Copper	TVS TVS
		Inorganic (mg/L)		Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS TVS
		Boron	---	0.75	Mercury(T)	---
		Chloride	---	---	Molybdenum(T)	---
		Chlorine	0.019	0.011	Nickel	TVS TVS
		Cyanide	0.005	---	Selenium	TVS TVS
		Nitrate	100	---	Silver	TVS TVS
		Nitrite	<u>0.5</u>	<u>0.5</u>	Uranium	varies* varies*
		Phosphorus	---	0.17	Zinc	TVS TVS
		Sulfate	---	---		
		Sulfide	---	0.002		
14b. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from the confluence with Brown's Creek to the Chaffee/Fremont County line, except for the specific listing in segment 12b.						
COARUA14B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
Temporary Modification(s):		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---	Chromium III	---
Expiration Date of 12/31/2024		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50 ---
*Uranium(acute) = See 32.5(3) for details.		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS TVS
		Chloride	---	250	Lead(T)	50 ---
		Chlorine	0.019	0.011	Manganese	TVS TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	<u>0.05</u>	<u>0.05</u>	Nickel	TVS TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS TVS
		Sulfide	---	0.002	Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

14c. Mainstems of North and South Hardscrabble Creeks, including all tributaries and wetlands, from their sources to their confluences.							
COARUA14C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	varies*	varies*	Arsenic	340 ---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=CSI and MWAT=CSI from 11/1-5/31 DM= 22.1 and MWAT=17 from 6/1-10/31	D.O. (mg/L)	---	6.0	Cadmium	TVS TVS	
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---	
		pH	6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50 ---	
		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	Lead	TVS TVS	
		Chloride	---	250	Lead(T)	50 ---	
		Chlorine	0.019	0.011	Manganese	TVS TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	
		Nitrate	10	---	Mercury(T)	---	
		Nitrite	0.05---	---0.05	Molybdenum(T)	---	
		Phosphorus	---	0.11	Nickel	TVS TVS	
		Sulfate	---	WS	Nickel(T)	---	
		Sulfide	---	0.002	Selenium	TVS TVS	
					Silver	TVS TVS(tr)	
					Uranium	varies* varies*	
					Zinc	TVS TVS	

  

14d. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from immediately above the confluence of 6-mile Creek (38.405677, -105.122321) to the inlet to Pueblo Reservoir, except for specific listings in segments 14a, 14c, 14e, 14f, and 15-27.							
COARUA14D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WS-II	WS-II	Arsenic(T)	---	
Qualifiers:		acute	chronic	Beryllium(T)	---	7.6	
Other:	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium(T)	---	
		D.O. (spawning)	---	7.0	Chromium III(T)	---	
		pH	6.5 - 9.0	---	Chromium VI(T)	100 100	
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Copper(T)	---	
		<u>E.-Coli</u> (per 100 mL)	---	126	Copper(T)	---	
		Inorganic (mg/L)			Iron	---	---
		acute	chronic	Lead(T)	---	100	
		Ammonia	---	---	Manganese	---	
		Boron	---	0.75	Mercury(T)	---	
		Chloride	---	---	Molybdenum(T)	---	
		Chlorine	---	---	Nickel(T)	---	
		Cyanide	0.2	---	Selenium(T)	---	
		Nitrate	100	---	Silver	---	
		Nitrite	10	---	Uranium	varies* varies*	
		Phosphorus	---	0.11*	Zinc(T)	---	
		Sulfate	---	---	---	2000	
		Sulfide	---	---	---	---	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

## REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

14e. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands from the Chaffee/Fremont County line to immediately below the confluence with Chandler Creek (38.407024,-105.137940). Newlin Creek (except for listings in segment 15b), Mineral Creek, Adobe Creek, and Oak Creek, including all tributaries and wetlands which are not on National Forest Service Land.

COARUA14E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Other:</b>		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium VI	TVS	TVS
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	---	---	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05---	---0.05	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			

14f. Turkey Creek including all tributaries and wetlands from its source to immediately below the confluence with Little Turkey Creek at 38.594727, -104.851458.

COARUA14F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic(T)	---	7.6
	Recreation E	acute	chronic	Beryllium(T)	---	100	
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10
<b>Other:</b>		D.O. (spawning)	---	7.0	Chromium III(T)	---	100
		pH	6.5 - 9.0	---	Chromium VI(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Copper(T)	---	200
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Iron	---	---
					Lead(T)	---	100
		Inorganic (mg/L)			Manganese	---	---
		acute	chronic	Mercury(T)	---	---	
		Ammonia	---	---	Molybdenum(T)	---	150
		Boron	---	0.75	Nickel(T)	---	200
		Chloride	---	---	Selenium(T)	---	20
		Chlorine	---	---	Silver	---	---
		Cyanide	0.2	---	Uranium	varies*	varies*
		Nitrate	100	---	Zinc(T)	---	2000
		Nitrite	10	---			
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	---			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

COARUA15A		Physical and Biological			Metals (ug/L)		
Designation	Classifications	DM	MWAT	acute	chronic		
Reviewable	Agriculture						
	Aq Life Cold 1 Recreation E Water Supply	CS-II	CS-II				
<b>Qualifiers:</b>				<b>acute</b>	<b>chronic</b>		
<b>Other:</b>							
Temporary Modification(s):							
Arsenic(chronic) = hybrid							
Expiration Date of 12/31/2024							
*Uranium(acute) = See 32.5(3) for details.							
*Uranium(chronic) = See 32.5(3) for details.							
		Temperature °C				Arsenic	340
						Arsenic(T)	---
						Arsenic(T)	0.02
		D.O. (mg/L)	---	6.0		Cadmium	TVS
		D.O. (spawning)	---	7.0		Cadmium(T)	5.0
		pH	6.5 - 9.0	---		Chromium III	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150		Chromium III(T)	50
		<del>E. Coli</del> E. coli (per 100 mL)	---	126		Chromium VI	TVS
						Copper	TVS
						Iron	---
						Iron(T)	1000
						Lead	TVS
		Ammonia	TVS	TVS		Lead(T)	50
		Boron	---	0.75		Manganese	TVS
		Chloride	---	250		Mercury(T)	---
		Chlorine	0.019	0.011		Molybdenum(T)	---
		Cyanide	0.005	---		Nickel	TVS
		Nitrate	10	---		Nickel(T)	---
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05		Selenium	TVS
		Phosphorus	---	0.11		Silver	TVS
		Sulfate	---	WS		Uranium	varies*
		Sulfide	---	0.002		Zinc	TVS
							varies*

  

COARUA15B		Physical and Biological			Metals (ug/L)		
Designation	Classifications	DM	MWAT	acute	chronic		
Reviewable	Agriculture						
	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I				
<b>Qualifiers:</b>				<b>acute</b>	<b>chronic</b>		
<b>Other:</b>							
Temporary Modification(s):							
Arsenic(chronic) = hybrid							
Expiration Date of 12/31/2024							
*Uranium(acute) = See 32.5(3) for details.							
*Uranium(chronic) = See 32.5(3) for details.							
		Temperature °C				Arsenic	340
						Arsenic(T)	---
						Arsenic(T)	0.02
		D.O. (mg/L)	---	6.0		Cadmium	TVS
		D.O. (spawning)	---	7.0		Cadmium(T)	5.0
		pH	6.5 - 9.0	---		Chromium III	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150		Chromium III(T)	50
		<del>E. Coli</del> E. coli (per 100 mL)	---	126		Chromium VI	TVS
						Copper	TVS
						Iron	---
						Iron(T)	1000
						Lead	TVS
		Ammonia	TVS	TVS		Lead(T)	50
		Boron	---	0.75		Manganese	TVS
		Chloride	---	250		Mercury(T)	---
		Chlorine	0.019	0.011		Molybdenum(T)	---
		Cyanide	0.005	---		Nickel	TVS
		Nitrate	10	---		Nickel(T)	---
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05		Selenium	TVS
		Phosphorus	---	0.11		Silver	TVS
		Sulfate	---	WS		Uranium	varies*
		Sulfide	---	0.002		Zinc	TVS
							varies*

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

16a. Mainstem of Middle Tallahassee Creek, including all tributaries and wetlands, from the source to the intersection with Road 23.							
COARUA16A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute      chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340      ---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---	
		pH	6.5 - 9.0      ---		Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Mercury(T)	---	150
		Nitrite	<u>0.05</u> ---	<u>---</u> 0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
		16b. Mainstem of North Tallahassee Creek, South Tallahassee Creek, Middle Tallahassee Creek, and Tallahassee Creek from their sources to a point immediately below their confluence with South Tallahassee Creek, except for the specific listing in segment 16a.					
COARUA16B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute      chronic			
Reviewable	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340      ---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---	
		pH	6.5 - 9.0      ---		Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Mercury(T)	---	150
		Nitrite	<u>0.05</u> ---	<u>---</u> 0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

16c. Mainstem of Tallahassee Creek from a point immediately below the confluence with South Tallahassee Creek to the confluence with the Arkansas River.								
COARUA16C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute      chronic				
Reviewable		CS-II	CS-II	Arsenic	340	---		
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02		
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0		---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---	
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		Ammonia	acute	chronic	Iron	---	WS	
		Boron	TVS	TVS	Iron(T)	---	1000	
		Chloride	---	0.75	Lead	TVS	TVS	
		Chlorine	---	250	Lead(T)	50	---	
		Cyanide	0.019	0.011	Manganese	TVS	TVS/WS	
		Nitrate	0.005	---	Mercury(T)	---	0.01	
		Nitrite	10	---	Molybdenum(T)	---	150	
		Phosphorus	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS	
		Sulfate	---	0.11	Nickel(T)	---	100	
		Sulfide	---	WS	Selenium	TVS	TVS	
	---	0.002	Silver	TVS	TVS(tr)			
			Uranium	varies*	varies*			
			Zinc	TVS	TVS			

  

17a. Mainstem of Cottonwood Creek (Fremont County), including all tributaries and wetlands, from the source to a point immediately below the confluence with North Waugh Creek.								
COARUA17A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute      chronic				
Reviewable		CS-I	CS-I	Arsenic	340	---		
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02		
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0		---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---	
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		Ammonia	acute	chronic	Iron	---	WS	
		Boron	TVS	TVS	Iron(T)	---	1000	
		Chloride	---	0.75	Lead	TVS	TVS	
		Chlorine	---	250	Lead(T)	50	---	
		Cyanide	0.019	0.011	Manganese	TVS	TVS/WS	
		Nitrate	0.005	---	Mercury(T)	---	0.01	
		Nitrite	10	---	Molybdenum(T)	---	150	
		Phosphorus	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS	
		Sulfate	---	0.11	Nickel(T)	---	100	
		Sulfide	---	WS	Selenium	TVS	TVS	
	---	0.002	Silver	TVS	TVS(tr)			
			Uranium	varies*	varies*			
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

17b. Mainstem of Cottonwood Creek (Fremont county), including all tributaries and wetlands, from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road.							
COARUA17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 2 Recreation E	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	100	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium VI	TVS	TVS
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05---	---0.05	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			
*Uranium(acute) = See 32.5(3) for details.							
*Uranium(chronic) = See 32.5(3) for details.							

  

17c. Mainstem of Cottonwood Creek from F6 Road to the confluence with Currant Creek.							
COARUA17C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies	varies
					Zinc	---	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

18. Mainstem of Currant Creek (Park County), including all tributaries and wetlands, from the source to the confluence with Tallahassee Creek, except for the specific listings in 17a, 17b, and 17c.							
COARUA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
	Inorganic (mg/L)			Copper	TVS	TVS	
	acute	chronic	Iron	---	WS		
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	150	
	Nitrite	<u>0.05</u>	<u>---</u>	<u>---</u> 0.05	Nickel	TVS	TVS
	Phosphorus	---	0.11	Nickel(T)	---	100	
	Sulfate	---	WS	Selenium	TVS	TVS	
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		
19. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to immediately below the confluence with High Creek.							
COARUA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
	Inorganic (mg/L)			Copper	TVS	TVS	
	acute	chronic	Iron	---	WS		
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	150	
	Nitrite	<u>0.05</u>	<u>---</u>	<u>---</u> 0.05	Nickel	TVS	TVS
	Phosphorus	---	0.11	Nickel(T)	---	100	
	Sulfate	---	WS	Selenium	TVS	TVS	
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

20a. Mainstem of Fourmile Creek, including all tributaries and wetlands, from immediately below the confluence with High Creek to a point immediately above the confluence with Long Gulch, except for the specific listing to segment 23.							
COARUA20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	varies*	varies*	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- 150* E-ColiE_coli (per 100 mL) --- 126 Inorganic (mg/L) acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- --- Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 100 --- Nitrite 0.05--- ---0.05 Phosphorus --- 0.11* Sulfate --- --- Sulfide --- 0.002	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium VI	TVS	TVS
		E-ColiE_coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
	Phosphorus	---	0.11*				
	Sulfate	---	---				
	Sulfide	---	0.002				
20b. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.							
COARUA20B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	varies*	varies*	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- 150* E-ColiE_coli (per 100 mL) --- 126 Inorganic (mg/L) acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- 250 Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 10 --- Nitrite 0.05--- ---0.05 Phosphorus --- 0.11* Sulfate --- WS* Sulfide --- 0.002	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
		E-ColiE_coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS*
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
	Phosphorus	---	0.11*	Selenium	TVS	TVS	
	Sulfate	---	WS*	Silver	TVS	TVS(tr)	
	Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

21a. Mainstem of Cripple Creek from the source to a point 1.5 miles upstream of the confluence with Fourmile Creek.							
COARUA21A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	100
Other:	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium VI	TVS	TVS
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS(sa)	TVS(ela)	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05---	--0.05	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			
21b. Mainstem of Cripple Creek from a point 1.5 miles upstream to the confluence with Fourmile Creek.							
COARUA21B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	100
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium VI	TVS	TVS
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS(sp)	TVS(elp)	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05---	--0.05	Zinc	TVS	TVS
		Phosphorus	---	---			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

22a. Mainstem of Arequa Gulch from the source to the confluence with Cripple Creek.						
COARUA22A	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
UP	Agriculture Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Aluminum	11000
Qualifiers:			acute	chronic	Arsenic	340
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
*Uranium(acute) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium	TVS
*Uranium(chronic) = See 32.5(3) for details.		pH	6.0 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS
					Copper	TVS
					Iron(T)	---
					Lead	TVS
					Manganese	5903
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	3500
						600
<b>Inorganic (mg/L)</b>						
			acute	chronic		
		Ammonia	TVS	TVS		
		Boron	---	0.75		
		Chloride	---	---		
		Chlorine	0.019	0.011		
		Cyanide	0.005	---		
		Nitrate	100	---		
		Nitrite	0.05---	---0.05		
		Phosphorus	---	0.11		
		Sulfate	---	---		
		Sulfide	---	0.002		

  

22b. Squaw Gulch from the source to the confluence with Cripple Creek.						
COARUA22B	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
UP	Agriculture Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Arsenic(T)	---
Qualifiers:			acute	chronic	Cadmium(T)	---
Other:		D.O. (mg/L)	---	6.0	Chromium III(T)	---
*Uranium(acute) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium VI(T)	---
*Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Copper(T)	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Iron	---
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	630	Lead(T)	---
					Manganese	---
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	---
					Selenium(T)	---
					Silver	---
					Uranium	varies*
					Zinc(T)	---
						25000
<b>Inorganic (mg/L)</b>						
			acute	chronic		
		Ammonia	---	---		
		Boron	---	5.0		
		Chloride	---	---		
		Chlorine	---	---		
		Cyanide	0.2	---		
		Nitrate	100	---		
		Nitrite	10	---		
		Phosphorus	---	0.11		
		Sulfate	---	---		
		Sulfide	---	---		

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

23. Mainstem of Wilson Creek (Teller County), including all tributaries and wetlands, from the source to the confluence with Fourmile Creek.								
COARUA23	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	100	
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	100	
		<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		<b>Inorganic (mg/L)</b>				Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0-05---	---0.05	Silver	TVS	TVS	
		Phosphorus	---	0.11*	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				
		24. Mainstem of East and West Beaver Creeks, including all tributaries and wetlands, from the source to the confluence with Beaver Creek; mainstem of Beaver Creek from the source to the point of diversion to Brush Hollow Reservoir.						
		COARUA24	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS	
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		<b>Inorganic (mg/L)</b>				Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0-05---	---0.05	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

25. Mainstem of Cottonwood Creek (Custer County) from the headwaters to 37.940597, -105.411656.							
COARUA25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Qualifiers:	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E.-Co#E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
			Inorganic (mg/L)		Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS	

  

26. Mainstem of Beaver Creek from the point of diversion for Brush Hollow Reservoir to the confluence with the Arkansas River.							
COARUA26	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---	100
		<u>E.-Co#E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
			Inorganic (mg/L)		Iron(T)	---	1000
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS
		Nitrite	0.5---	---0.5	Uranium	varies*	varies*
		Phosphorus	---	0.17	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

27. Mainstem of Eightmile Creek, including all tributaries and wetlands, from the source to the mouth of Phantom Canyon (38.495270,-105.110024).						
COARUA27	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	340 ---
Qualifiers:	D.O. (mg/L)	acute	chronic	Arsenic(T)	--- 0.02	
		---	6.0	Cadmium	TVS TVS	
Other:	D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---	
		pH	6.5 - 9.0	---	Chromium III	--- TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50 ---	
	<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS	
	Inorganic (mg/L)			Copper	TVS TVS	
	acute	chronic	Iron	--- WS		
	Ammonia	TVS	TVS	Iron(T)	--- 1000	
	Boron	---	0.75	Lead	TVS TVS	
	Chloride	---	250	Lead(T)	50 ---	
	Chlorine	0.019	0.011	Manganese	TVS TVS/WS	
	Cyanide	0.005	---	Mercury(T)	--- 0.01	
	Nitrate	10	---	Molybdenum(T)	--- 150	
	Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS TVS	
	Phosphorus	---	0.11	Nickel(T)	--- 100	
	Sulfate	---	WS	Selenium	TVS TVS	
	Sulfide	---	0.002	Silver	TVS TVS(tr)	
				Uranium	varies* varies*	
			Zinc	TVS TVS		

  

28. All lakes and reservoirs within the Mount Massive and Collegiate Peaks Wilderness areas.						
COARUA28	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	
OW		Temperature °C	CL	CL	Arsenic	340 ---
Qualifiers:	D.O. (mg/L)	acute	chronic	Arsenic(T)	--- 0.02	
		---	6.0	Cadmium	TVS TVS	
Other:	D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---	
		pH	6.5 - 9.0	---	Chromium III	--- TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (ug/L)	---	8*	Chromium III(T)	50 ---	
	<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS	
	Inorganic (mg/L)			Copper	TVS TVS	
	acute	chronic	Iron	--- WS		
	Ammonia	TVS	TVS	Iron(T)	--- 1000	
	Boron	---	0.75	Lead	TVS TVS	
	Chloride	---	250	Lead(T)	50 ---	
	Chlorine	0.019	0.011	Manganese	TVS TVS/WS	
	Cyanide	0.005	---	Mercury(T)	--- 0.01	
	Nitrate	10	---	Molybdenum(T)	--- 150	
	Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS TVS	
	Phosphorus	---	0.025*	Nickel(T)	--- 100	
	Sulfate	---	WS	Selenium	TVS TVS	
	Sulfide	---	0.002	Silver	TVS TVS(tr)	
				Uranium	varies* varies*	
			Zinc	TVS TVS		

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

29. All lakes and reservoirs tributary to the Arkansas River from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 28 and 30.						
COARUA29	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	
Reviewable		acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:	chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS
	<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
	<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
				Iron(T)	---	1000
	Ammonia	TVS	TVS	Lead	TVS	TVS
	Boron	---	0.75	Lead(T)	50	---
	Chloride	---	250	Manganese	TVS	TVS/WS
	Chlorine	0.019	0.011	Mercury(T)	---	0.01
	Cyanide	0.005	---	Molybdenum(T)	---	150
	Nitrate	10	---	Nickel	TVS	TVS
	Nitrite	<del>0.05</del>	<del>0.05</del>	Nickel(T)	---	100
	Phosphorus	---	0.025*	Selenium	TVS	TVS
	Sulfate	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS	
30. Turquoise Reservoir, Clear Creek Reservoir, Twin Lakes and Mt. Elbert Forebay.						
COARUA30	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply DUWS*	DM	MWAT	acute	chronic	
Reviewable		acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (spawning)	varies*	varies*	Arsenic(T)	---	0.02
		pH	6.5 - 9.0	---	Cadmium	TVS
Other:	chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
	<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---	TVS
	<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
				Iron(T)	---	1000
	Ammonia	TVS	TVS	Lead	TVS	TVS
	Boron	---	0.75	Lead(T)	50	---
	Chloride	---	250	Manganese	TVS	TVS/WS
	Chlorine	0.019	0.011	Mercury(T)	---	0.01
	Cyanide	0.005	---	Molybdenum(T)	---	150
	Nitrate	10	---	Nickel	TVS	TVS
	Nitrite	<del>0.05</del>	<del>0.05</del>	Nickel(T)	---	100
	Phosphorus	---	0.025*	Selenium	TVS	TVS
	Sulfate	---	WS	Silver	TVS	TVS(tr)
Sulfide	---	0.002	Uranium	varies*	varies*	
			Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

31. All lakes and reservoirs tributary to the Arkansas River which are on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 32 and 34-40.

COARUA31	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

32. All lakes and reservoirs tributary to the South Fork of the Arkansas from the source to the confluence with the Arkansas River.

COARUA32	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

33. All lakes and reservoirs tributary to the Arkansas River which are not on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 32 and 34-40.

COARUA33	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

34. All lakes and reservoirs tributary to the mainstems of Texas, Badger, Hayden, Hamilton, Stout, and Big Cottonwood Creeks from their sources to their confluences with the Arkansas River. All lakes and reservoirs tributary to the mainstem of Grape Creek from the source to the outlet of DeWeese Reservoir, except for the specific listing in segment 35.

COARUA34	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL	CL	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

35. DeWeese Reservoir.							
COARUA35	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	varies*	varies*	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>  <b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=CLL and MWAT=CLL from 1/1-3/31 DM= CLL and MWAT=21.3 from 4/1-12/31	Water Supply	---	6.0	Cadmium	TVS	TVS	
	D.O. (mg/L)	---	7.0	Cadmium(T)	5.0	---	
	D.O. (spawning)	6.5 - 9.0	---	Chromium III	---	TVS	
	pH	---	8*	Chromium III(T)	50	---	
	chlorophyll a (ug/L)	---	126	Chromium VI	TVS	TVS	
	<b>E-Coli</b> (per 100 mL)	Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	150	
	Nitrite	0.05---	---0.05	Nickel	TVS	TVS	
	Phosphorus	---	0.025*	Nickel(T)	---	100	
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

36. All lakes and reservoirs tributary to the mainstem of Currant Creek (Park County) from the source to the confluence with Tallahassee Creek, except lakes and reservoirs tributary to Cottonwood Creek (Fremont County) from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road. All lakes and reservoirs tributary to the mainstem of Middle Tallahassee Creek from the source to the intersection with Road 23.

36. All lakes and reservoirs tributary to the mainstem of Currant Creek (Park County) from the source to the confluence with Tallahassee Creek, except lakes and reservoirs tributary to Cottonwood Creek (Fremont County) from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road. All lakes and reservoirs tributary to the mainstem of Middle Tallahassee Creek from the source to the intersection with Road 23.							
COARUA36	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>  <b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	Water Supply	---	6.0	Cadmium	TVS	TVS	
	D.O. (mg/L)	---	7.0	Cadmium(T)	5.0	---	
	D.O. (spawning)	6.5 - 9.0	---	Chromium III	---	TVS	
	pH	---	8*	Chromium III(T)	50	---	
	chlorophyll a (ug/L)	---	126	Chromium VI	TVS	TVS	
	<b>E-Coli</b> (per 100 mL)	Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	150	
	Nitrite	0.05---	---0.05	Nickel	TVS	TVS	
	Phosphorus	---	0.025*	Nickel(T)	---	100	
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

37. All lakes and reservoirs tributary to the mainstem of Fourmile Creek from the source to the confluence with the Arkansas River. This segment includes Wrights Reservoir.							
COARUA37	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
Temporary Modification(s):		<span style="color: red;">E-ColiE_coli</span> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Iron	---	WS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Classification: DUWS applies to Ott Reservoir		Boron	---	0.75	Lead	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Chloride	---	250	Lead(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0-05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
38. All lakes and reservoirs tributary to the mainstem of East and West Beaver Creeks from the source to the confluence with Beaver Creek. This segment includes Skagway and Bison Reservoirs.							
COARUA38	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
Temporary Modification(s):		<span style="color: red;">E-ColiE_coli</span> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Iron	---	WS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Classification: Bison Reservoir = DUWS		Boron	---	0.75	Lead	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Chloride	---	250	Lead(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0-05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

39. All lakes and reservoirs tributary to the mainstem of Eightmile Creek from the source to the mouth of Phantom Canyon (38.495270,-105.110024).										
COARUA39	Classifications	Physical and Biological			Metals (ug/L)					
Designation	Agriculture		DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL	CL	Arsenic	340	---			
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02			
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS			
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---			
		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS	---		
		E-ColiE. coli (per 100 mL)	---	126	Chromium III(T)	50	---	---		
		Inorganic (mg/L)			Chromium VI	TVS	TVS	TVS		
		acute			chronic			Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	---	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS	TVS	TVS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	---	---	
		Nitrate	10	---	Molybdenum(T)	---	150	---	---	
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS	TVS	TVS	
		Phosphorus	---	0.025*	Nickel(T)	---	100	---	---	
		Sulfate	---	WS	Selenium	TVS	TVS	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS	TVS	TVS(tr)	
					Uranium	varies*	varies*			
					Zinc	TVS	TVS			
40. Brush Hollow Reservoir.										
COARUA40	Classifications	Physical and Biological			Metals (ug/L)					
Designation	Agriculture		DM	MWAT		acute	chronic			
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WL	WL	Arsenic	340	---			
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02			
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS			
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS			
		E-ColiE. coli (per 100 mL)	---	126	Chromium III(T)	50	---	---		
		Inorganic (mg/L)			Chromium VI	TVS	TVS	TVS		
		acute			chronic			Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	---	---	
		Boron	---	0.75	Iron(T)	---	1000	---	---	
		Chloride	---	250	Lead	TVS	TVS	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	---	---	
		Cyanide	0.005	---	Manganese	TVS	TVS	TVS	TVS	
		Nitrate	10	---	Mercury(T)	---	0.01	---	---	
		Nitrite	0.5---	---0.5	Molybdenum(T)	---	150	---	---	
		Phosphorus	---	0.083*	Nickel	TVS	TVS	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	---	---	
		Sulfide	---	0.002	Selenium	TVS	TVS	TVS	TVS	
							Silver	TVS	TVS	
					Uranium	varies*	varies*			
					Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

41. Teller Reservoir						
COARUA41	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CLL	CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	Chromium III	---	TVS
		chlorophyll a (ug/L)	8*	Chromium III(T)	50	---
		<del>E-Coli</del> <u>E. coli</u> (per 100 mL)	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	Iron(T)	---	1000
		Boron	0.75	Lead	TVS	TVS
		Chloride	250	Lead(T)	50	---
		Chlorine	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	Mercury(T)	---	0.01
		Nitrate	10	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del>	Nickel	TVS	TVS
		Phosphorus	0.025*	Nickel(T)	---	100
		Sulfate	WS	Selenium	TVS	TVS
		Sulfide	0.002	Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

1. All tributaries, including wetlands, to the Arkansas River within the Sangre de Cristo, Greenhorn, and Spanish Peaks Wilderness Areas.							
COARMA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		<b>E-ColiE. coli</b> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<b>0.05---</b>	<b>---0.05</b>	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.							
COARMA02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
Temporary Modification(s):		<b>E-ColiE. coli</b> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<b>0.05---</b>	<b>---0.05</b>	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.							
COARMA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Qualifiers:	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<u>E-Coli</u> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05---	---0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	26.3	17.1
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

4a. Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.							
COARMA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	100
		<u>E-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	2376*	2110*
		Nitrite	0.05---	---0.05	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

4b. Mainstem of Rock Creek, Salt Creek and Peck Creek from their sources to the confluence with the Arkansas River.								
COARMA04B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
UP	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	7.6	
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---	100	
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	<del>0.05</del> ---	<del>0.05</del>	Silver	TVS	TVS	
		Phosphorus	---	0.17	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				
		4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.						
		COARMA04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Water Supply		acute	chronic	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
	<b>Qualifiers:</b>	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS	
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150	
		Phosphorus	---	0.17*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

4d. All tributaries, including wetlands, to the Arkansas River and Pueblo Reservoir from the inlet to Pueblo Reservoir to the Colorado Canal headgate, except for specific listings in the Fountain Creek Subbasin and in segments 4a, 4b, 4c and 4e through 18b.

COARMA04D Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Warm 2 Water Supply Recreation E		DM	MWAT		acute	chronic
UP			Temperature °C	WS-II	WS-II	Arsenic(T)	---
			acute	chronic	Beryllium(T)	---	100
		D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	10
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI(T)	---	100
			<b>Inorganic (mg/L)</b>		Copper(T)	---	200
			acute	chronic	Iron	---	WS
		Ammonia	---	---	Lead(T)	50	100
		Boron	---	0.75	Manganese	---	WS
		Chloride	---	250	Mercury(T)	---	---
		Chlorine	---	---	Molybdenum(T)	---	150
		Cyanide	0.2	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium(T)	---	20
		Nitrite	10	---	Silver	---	---
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc(T)	---	2000
		Sulfide	---	---			

\*chlorophyll a (mg/m<sup>2</sup>)(chronic) = applies only above the facilities listed at 32.5(4).  
 \*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).  
 \*Uranium(acute) = See 32.5(3) for details.  
 \*Uranium(chronic) = See 32.5(3) for details.

4e. Golf Course Wash

COARMA04E Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Warm 2 Recreation E		DM	MWAT		acute	chronic
UP			Temperature °C	WS-II	WS-II	Arsenic	340
			acute	chronic	Arsenic(T)	---	100
		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	---	10
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	TVS	TVS
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	---	100
			<b>Inorganic (mg/L)</b>		Chromium VI(T)	---	100
			acute	chronic	Copper(T)	---	200
		Ammonia	TVS	TVS	Iron	---	---
		Boron	---	0.75	Lead(T)	---	100
		Chloride	---	---	Manganese	---	---
		Chlorine	---	---	Mercury(T)	---	---
		Cyanide	0.2	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel(T)	---	200
		Nitrite	10	---	Selenium	TVS	TVS
		Phosphorus	---	0.17	Silver	---	---
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	---	Zinc(T)	---	2000

\*Uranium(acute) = See 32.5(3) for details.  
 \*Uranium(chronic) = See 32.5(3) for details.

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

4f. Mainstem of Black Squirrel Creek, including all tributaries and wetlands, from just below Highway 94 to Squirrel Creek Road.						
COARMA04F	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
UP	Agriculture Aq Life Warm 2 Recreation P	Temperature °C	WS-III	WS-III	Arsenic(T)	100
Qualifiers:			acute	chronic	Beryllium(T)	100
Other:		D.O. (mg/L)	---	5.0	Cadmium(T)	10
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		pH	6.5 - 9.0	---	Chromium III(T)	100
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium VI(T)	100
*Uranium(acute) = See 32.5(3) for details.		E-ColiE_coli (per 100 mL)	---	205	Copper(T)	200
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---
			acute	chronic	Lead(T)	100
		Ammonia	---	---	Manganese(T)	200
		Boron	---	0.75	Mercury(T)	---
		Chloride	---	---	Molybdenum(T)	150
		Chlorine	---	---	Nickel(T)	200
		Cyanide	0.2	---	Selenium(T)	20
		Nitrate	100	---	Silver	---
		Nitrite	10	---	Uranium	varies*
		Phosphorus	---	0.17*	Zinc(T)	2000
		Sulfate	---	---		
		Sulfide	---	---		
4g. Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.						
COARMA04G	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Arsenic(T)	100
Qualifiers:			acute	chronic	Beryllium(T)	100
Other:		D.O. (mg/L)	---	5.0	Cadmium(T)	10
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		pH	6.5 - 9.0	---	Chromium III(T)	100
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium VI(T)	100
*Selenium(acute) = See selenium assessment location at 32.6(4).		E-ColiE_coli (per 100 mL)	---	126	Copper(T)	200
*Selenium(chronic) = See selenium assessment location at 32.6(4).		Inorganic (mg/L)			Iron	---
*Uranium(acute) = See 32.5(3) for details.			acute	chronic	Lead(T)	100
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	---	---	Manganese(T)	200
		Boron	---	0.75	Mercury(T)	---
		Chloride	---	---	Molybdenum(T)	150
		Chlorine	---	---	Nickel(T)	200
		Cyanide	0.2	---	Selenium	389*
		Nitrate	100	---	Silver	---
		Nitrite	10	---	Uranium	varies*
		Phosphorus	---	0.17*	Zinc(T)	2000
		Sulfate	---	---		
		Sulfide	---	---		

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

5a. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary.

COARMA05A Classifications		Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Temporary Modification(s):		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

5b. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill.

COARMA05B Classifications		Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Temporary Modification(s):		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

6a. Mainstem of the Saint Charles River from a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill to a point immediately upstream of the confluence with Edson Arroyo.							
COARMA06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Warm 2	WS-II	WS-II	Arsenic	340	---	
	Recreation E	<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>	
	Water Supply	---	5.0	Cadmium	TVS	TVS	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic				
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVSWS
		Nitrite	<del>0.05</del>	<del>---</del>	Mercury(T)	---	0.01
		Phosphorus	---	0.17*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
6b. Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.							
COARMA06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Warm 2	varies*	varies*	Arsenic	340	---	
	Recreation E	<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>	
	Water Supply	---	5.0	Cadmium	TVS	TVS	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic				
*Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=32.6 and MWAT=WS-II from 3/1-11/30 DM=WS-II and MWAT=WS-II from 12/1-2/29		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVSWS
		Nitrite	<del>0.05</del>	<del>---</del>	Mercury(T)	---	0.01
		Phosphorus	---	---	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	173*	50*
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

7a. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1. Mainstem of Graneros Creek, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1. All tributaries to Muddy Creek, including wetlands, from the source to the San Isabel National Forest boundary.

COARMA07A Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 32.5(3) for details.					acute	chronic	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

7b. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.

COARMA07B Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 32.5(3) for details.					acute	chronic	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

8. Deleted.						
COARMA08	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Qualifiers:		acute	chronic			
Other:		Inorganic (mg/L)				
		acute	chronic			
9. Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.						
COARMA09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	5.0	Cadmium	TVS	TVS
Qualifiers:	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply	chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
Other:	<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):	Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid	acute	chronic		Copper	TVS	TVS
Expiration Date of 12/31/2024	Ammonia	TVS	TVS	Iron	---	WS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).	Boron	---	0.75	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	Chloride	---	250	Lead	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.	Chlorine	0.019	0.011	Lead(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.	Cyanide	0.005	---	Manganese	TVS	TVS/WS
	Nitrate	10	---	Mercury(T)	---	0.01
	Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150
	Phosphorus	---	0.17*	Nickel	TVS	TVS
	Sulfate	---	700	Nickel(T)	---	100
	Sulfide	---	0.002	Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

10. Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.						
COARMA10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS      TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS      TVS
		Boron	---	0.75	Manganese	TVS      TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS      TVS
		Nitrate	100	---	Selenium	TVS      TVS
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Silver	TVS      TVS
		Phosphorus	---	0.17	Uranium	varies*      varies*
		Sulfate	---	---	Zinc	TVS      TVS
		Sulfide	---	0.002		

  

11a. Mainstem of the Huerfano River including all tributaries and wetlands, from the source to 570 Road near Malachite, except for the specific listings in segment 1. Pass Creek, including all tributaries and wetlands, from the source to 565 Road. Muddy Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Bruff Creek, except for the specific listings in segment 1. Mainstem of Turkey Creek (in Huerfano County) from the source to 620 Road, except for the specific listings in segment 1.						
COARMA11A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50      ---
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS      TVS
		Chloride	---	250	Lead(T)	50      ---
		Chlorine	0.019	0.011	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	<del>0.05</del> ---	<del>0.05</del>	Nickel	TVS      TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS      TVS
		Sulfide	---	0.002	Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.						
COARMA11B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	acute	chronic			
Qualifiers:						
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.					
	Temperature °C	CS-II	CS-II	340	---	
	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 <sup>A</sup>
	D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
	chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
	<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
				Iron(T)	---	1000
				Lead	TVS	TVS
				Lead(T)	50	---
				Manganese	TVS	TVSWS
				Mercury(T)	---	0.01
				Molybdenum(T)	---	150
				Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS

  

12. Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.						
COARMA12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Water Supply Recreation E	acute	chronic			
Qualifiers:						
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.					
	Temperature °C	WS-II	WS-II	340	---	
	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 <sup>A</sup>
	pH	6.5 - 9.0	---	Cadmium	TVS	TVS
	chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium(T)	5.0	---
	<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---	TVS
				Chromium III(T)	50	---
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
				Iron(T)	---	1000
				Lead	TVS	TVS
				Lead(T)	50	---
				Manganese	TVS	TVSWS
				Mercury(T)	---	0.01
				Molybdenum(T)	---	150
				Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

13a. All tributaries, including wetlands, to the Cucharas River within the San Isabel National Forest boundaries, except for the specific listings in segment 1. Mainstem of the Cucharas River, from the source to a point immediately above the confluence with Middle Creek, except for the specific listings in segment 1. Wahatoya Creek, including all tributaries and wetlands, from the source to the confluence with the Cucharas River, except for the specific listings in segment 1. All tributaries to Middle Creek, including wetlands, from the source to a point immediately below the confluence of North and South Middle Creeks.

COARMA13A Classifications		Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
Reviewable	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					<b>Inorganic (mg/L)</b>		
*Uranium(chronic) = See 32.5(3) for details.						acute	chronic
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13b. Mainstem of the Cucharas River from a point immediately above the confluence with Middle Creek to the confluence with North Abeyta Creek (37.567852, -104.907046). All tributaries, including wetlands, to the Cucharas River from the San Isabel National Forest boundary to a point immediately below North Abeyta Creek (37.567852, -104.907046), except for specific listings in Segment 13a. Mainstem of Middle Creek, including all tributaries and wetlands, from a point immediately below the confluence of North and South Middle Creeks to the confluence with the Cucharas River, except for specific listings in 13a.

COARMA13B Classifications		Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
Reviewable	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).					<b>Inorganic (mg/L)</b>		
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).						acute	chronic
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

13c. All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.								
COARMA13C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	0.02-10 <sup>A</sup>	
	Recreation N		<b>acute</b>	<b>chronic</b>	Beryllium(T)	---	4.0	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS	
<b>Other:</b>  *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---	
		<del>E-Coli</del> E. coli (per 100 mL)	---	630	Chromium VI(T)	50	100	
		<b>Inorganic (mg/L)</b>				Copper(T)	---	200
			<b>acute</b>	<b>chronic</b>	Iron	---	WS	
		Ammonia	---	---	Lead(T)	50	100	
		Boron	---	0.75	Manganese	---	WS	
		Chloride	---	250	Mercury(T)	2.0	---	
		Chlorine	---	---	Molybdenum(T)	---	150	
		Cyanide	0.2	---	Nickel(T)	---	100	
		Nitrate	10	---	Nickel(T)	---	100	
		Nitrite	1.0	---	Selenium(T)	---	20	
		Phosphorus	---	0.17*	Silver(T)	---	100	
		Sulfate	---	WS	Uranium	varies*	varies*	
		Sulfide	---	0.05	Zinc(T)	---	2000	
		14. Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.						
COARMA14	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Water Supply		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
<b>Other:</b>  *chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS	
		<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		<b>Inorganic (mg/L)</b>				Chromium VI	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150	
		Phosphorus	---	0.17*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
			Uranium	varies*	varies*			
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

15. Mainstem of Cucharas River from the outlet of Cucharas Reservoir to the confluence with the Huerfano River.						
COARMA15	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
			acute	chronic		chronic
UP	Agriculture Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Arsenic(T)	100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Beryllium(T)	100
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	10
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS
*Uranium(chronic) = See 32.5(3) for details.		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	100
		<b>Inorganic (mg/L)</b>			Chromium VI(T)	100
			acute	chronic	Copper(T)	200
		Ammonia	---	---	Iron	---
		Boron	---	0.75	Lead(T)	100
		Chloride	---	---	Manganese	---
		Chlorine	---	---	Mercury(T)	---
		Cyanide	0.2	---	Molybdenum(T)	150
		Nitrate	100	---	Nickel(T)	200
		Nitrite	10	---	Selenium(T)	20
		Phosphorus	---	---	Silver	---
		Sulfate	---	---	Uranium	varies*
		Sulfide	---	---	Zinc(T)	2000
16. Deleted.						
COARMA16	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
			acute	chronic		chronic
<b>Qualifiers:</b>						
<b>Other:</b>		<b>Inorganic (mg/L)</b>				
			acute	chronic		

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

17. All tributaries to Apache Creek, including wetlands, from the source to a point immediately below the confluence of North and South Apache Creeks, except for the specific listings in segment 1. All tributaries, including wetlands, to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 1 and 11a.

COARMA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

18a. Mainstem of Boggs Creek from the source to Pueblo Reservoir.

COARMA18A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Temporary Modification(s):		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid					Chromium VI	TVS	TVS
Expiration Date of 12/31/2024		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.			acute	chronic	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.5---	---0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to Arkansas River, that flows from the south and whose confluence with the Arkansas River is located at 38.267623, -104.668298. Mainstem of Rush Creek (Pueblo County) from the source to the confluence with the Arkansas River.						
COARMA18B	Classifications	Physical and Biological			Metals (ug/L)	
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b> <b>chronic</b>
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340      ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02
		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0      ---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---      TVS
Temporary Modification(s):		<del>E. Coli</del> <b>E. coli</b> (per 100 mL)	---	126	Chromium III(T)	50      ---
Arsenic(chronic) = hybrid					Chromium VI	TVS      TVS
Expiration Date of 12/31/2024					Copper	TVS      TVS
*Uranium(acute) = See 32.5(3) for details.					Iron	---      WS
*Uranium(chronic) = See 32.5(3) for details.					Iron(T)	---      1000
					Lead	TVS      TVS
					Lead(T)	50      ---
					Manganese	TVS      TVS/WS
					Mercury(T)	---      0.01
					Molybdenum(T)	---      150
					Nickel	TVS      TVS
					Nickel(T)	---      100
					Selenium	TVS      TVS
					Silver	TVS      TVS
					Uranium	varies*      varies*
					Zinc	TVS      TVS
19. All lakes and reservoirs tributary to the Arkansas River within the Sangre de Cristo, Greenhorn, and Spanish Peaks Wilderness areas.						
COARMA19	Classifications	Physical and Biological			Metals (ug/L)	
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b> <b>chronic</b>
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL	CL	Arsenic	340      ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---      TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50      ---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<del>E. Coli</del> <b>E. coli</b> (per 100 mL)	---	126	Chromium VI	TVS      TVS
*Uranium(acute) = See 32.5(3) for details.					Copper	TVS      TVS
*Uranium(chronic) = See 32.5(3) for details.					Iron	---      WS
					Iron(T)	---      1000
					Lead	TVS      TVS
					Lead(T)	50      ---
					Manganese	TVS      TVS/WS
					Mercury(T)	---      0.01
					Molybdenum(T)	---      150
					Nickel	TVS      TVS
					Nickel(T)	---      100
					Selenium	TVS      TVS
					Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

20. Pueblo Reservoir.							
COARMA20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
	DUWS	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	5*	Chromium III(T)	50	---
Temporary Modification(s):		<b>E-ColiE. coli</b> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*chlorophyll a (ug/L)(chronic) = See assessment location at 32.6(4).					<b>Inorganic (mg/L)</b>		
*Uranium(acute) = See 32.5(3) for details.						acute	chronic
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Temperature =		Boron	---	0.75	Lead	TVS	TVS
DM=CLL and MWAT=CLL from 1/1-3/31		Chloride	---	250	Lead(T)	50	---
DM= CLL and MWAT=23.6 from 4/1-12/31		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

21. All lakes and reservoirs tributary to Chico Creek from the source to the confluence with the Arkansas River.							
COARMA21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<b>E-ColiE. coli</b> (per 100 mL)	---	126	Chromium III(T)	50	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					<b>Inorganic (mg/L)</b>		
*Uranium(acute) = See 32.5(3) for details.						acute	chronic
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.5---	---0.5	Mercury(T)	---	0.01
		Phosphorus	---	0.083*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

22. All lakes and reservoirs tributary to the Saint Charles River from the source to a point immediately above the CF&I diversion canal near Burnt Mill.						
COARMA22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute      chronic
UP	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL	CL	Arsenic	340      ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---      TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50      ---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
*Uranium(acute) = See 32.5(3) for details.					Copper	TVS      TVS
*Uranium(chronic) = See 32.5(3) for details.					Iron	---      WS
					Iron(T)	---      1000
					Lead	TVS      TVS
					Lead(T)	50      ---
					Manganese	TVS      TVS/WS
					Mercury(T)	---      0.01
					Molybdenum(T)	---      150
					Nickel	TVS      TVS
					Nickel(T)	---      100
					Selenium	TVS      TVS
					Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS
23. All lakes and reservoirs tributary to Greenhorn Creek from the source to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, except for specific listings in segment 19. All lakes and reservoirs tributary to Graneros Creek from the source to the San Isabel National Forest boundary, except for specific listings in segment 19. All lakes and reservoirs tributary to Muddy Creek from the source to 232/Bondurant Road. Beckwith Reservoir.						
COARMA23	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute      chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	CL	CL	Arsenic	340      ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---      TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50      ---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
*Classification: DUWS Applies only to Beckwith Reservoir					Copper	TVS      TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Iron	---      WS
*Uranium(acute) = See 32.5(3) for details.					Iron(T)	---      1000
*Uranium(chronic) = See 32.5(3) for details.					Lead	TVS      TVS
					Lead(T)	50      ---
					Manganese	TVS      TVS/WS
					Mercury(T)	---      0.01
					Molybdenum(T)	---      150
					Nickel	TVS      TVS
					Nickel(T)	---      100
					Selenium	TVS      TVS
					Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

24. All lakes and reservoirs tributary to the Huerfano River from the source to Highway 69 at Badito, except for the specific listings in segment 19. All lakes and reservoirs tributary to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 19.

COARMA24	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic				
Reviewable	Aq Life Cold 1	CL	CL			Arsenic	340	---	
	Recreation E	acute	chronic			Arsenic(T)	---	0.02	
	Water Supply			D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>				D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>				pH	6.5 - 9.0	---	Chromium III	---	TVS
				chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
				<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
				Inorganic (mg/L)			Copper	TVS	TVS
				acute	chronic		Iron	---	WS
				Ammonia	TVS	TVS	Iron(T)	---	1000
				Boron	---	0.75	Lead	TVS	TVS
				Chloride	---	250	Lead(T)	50	---
				Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
				Cyanide	0.005	---	Mercury(T)	---	0.01
				Nitrate	10	---	Molybdenum(T)	---	150
				Nitrite	0-05---	---0.05	Nickel	TVS	TVS
				Phosphorus	---	0.025*	Nickel(T)	---	100
				Sulfate	---	WS	Selenium	TVS	TVS
				Sulfide	---	0.002	Silver	TVS	TVS(tr)
							Uranium	varies*	varies*
							Zinc	TVS	TVS

\*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.  
 \*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.  
 \*Uranium(acute) = See 32.5(3) for details.  
 \*Uranium(chronic) = See 32.5(3) for details.

25. All lakes and reservoirs tributary to the Cucharas River from the source to the point of diversion for the Walsenburg public water supply, except for the specific listings in segment 19. Huajatolla Reservoirs and Diagre Reservoir

COARMA25	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic				
Reviewable	Aq Life Cold 1	CL	CL			Arsenic	340	---	
	Recreation E	acute	chronic			Arsenic(T)	---	0.02	
	Water Supply			D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>				D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>				pH	6.5 - 9.0	---	Chromium III	---	TVS
				chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
				<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
				Inorganic (mg/L)			Copper	TVS	TVS
				acute	chronic		Iron	---	WS
				Ammonia	TVS	TVS	Iron(T)	---	1000
				Boron	---	0.75	Lead	TVS	TVS
				Chloride	---	250	Lead(T)	50	---
				Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
				Cyanide	0.005	---	Mercury(T)	---	0.01
				Nitrate	10	---	Molybdenum(T)	---	150
				Nitrite	0-05---	---0.05	Nickel	TVS	TVS
				Phosphorus	---	0.025*	Nickel(T)	---	100
				Sulfate	---	WS	Selenium	TVS	TVS
				Sulfide	---	0.002	Silver	TVS	TVS(tr)
							Uranium	varies*	varies*
							Zinc	TVS	TVS

\*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.  
 \*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.  
 \*Uranium(acute) = See 32.5(3) for details.  
 \*Uranium(chronic) = See 32.5(3) for details.

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

## REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

26. Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake.							
COARMA26	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 1	varies*	varies*	acute	chronic		
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	---	6.0	Arsenic(T)	---	0.02	
	DUWS	---	7.0	Cadmium	TVS	TVS	
Qualifiers:		---	7.0	Cadmium(T)	5.0	---	
Other:		6.5 - 9.0	---	Chromium III	---	TVS	
		pH	8*	Chromium III(T)	50	---	
		chlorophyll a (ug/L)	---	Chromium VI	TVS	TVS	
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
27. Deleted.							
COARMA27	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT				
		acute	chronic	acute	chronic		
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

28. Valco Ponds and Runyon/Fountain Lake.							
COARMA28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

1a. Mainstem of Fountain Creek, including all tributaries and wetlands, from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 1b.							
COARFO01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
						Uranium	varies*
				Zinc	TVS	TVS	

  

1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.							
COARFO01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
OW		Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
						Uranium	varies*
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

2a. Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.							
COARFO02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
Qualifiers:	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.							
COARFO02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
Qualifiers:	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	3300
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	485	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	28.1
					Silver	TVS	TVS
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

3a. All tributaries to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for the mainstem of Monument Creek in the Air Force Academy lands and specific listings in segment 3b. Cheyenne Creek, including tributaries and wetlands from the source to the confluence with Fountain Creek. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Little Fountain Creek from the source to Highway 115. Rock Creek from the source to Highway 115. North Monument Creek from the source to the confluence with Monument Creek. Beaver Creek from the source to the confluence with Monument Creek.

COARFO03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Bear Creek, and all tributaries, from the source to a point immediately upstream of Gold Camp Road.

COARFO03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

4a. Mainstems of Jackson Creek, Monument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek and South Douglas Creek, from the sources to confluences with Monument Creek, including all tributaries and wetlands, which are not within the boundaries of the National Forest or Air Force Academy lands.

COARFO04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	100
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5---	--0.5	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4b. All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek and an unnamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).

COARFO04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5---	--0.5	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

4c. Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including tributaries and wetlands, from the sources to confluences with Monument Creek.						
COARFO04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	WS-II	WS-II	340	---	
	Recreation E	acute	chronic	---	0.02-10 <sup>A</sup>	
	Water Supply			TVS	TVS	
Qualifiers:				TVS	TVS	
Other:				5.0	---	
	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).	6.5 - 9.0	---	---	---	
	*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	---	150*	---	TVS	
	*Uranium(acute) = See 32.5(3) for details.	---	126	50	---	
	*Uranium(chronic) = See 32.5(3) for details.	Inorganic (mg/L)		TVS	TVS	
		acute	chronic	TVS	TVS	
		TVS	TVS	---	WS	
		---	0.75	---	1000	
		---	250	TVS	TVS	
		0.019	0.011	50	---	
		0.005	---	TVS	TVS/WS	
		10	---	---	0.01	
		0.5---	--0.5	---	150	
		---	0.17*	TVS	TVS	
		---	WS	---	100	
		---	0.002	TVS	TVS	
				TVS	TVS	
				varies*	varies*	
				TVS	TVS	

  

4d. All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.						
COARFO04D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	WS-II	WS-II	340	---	
	Recreation E	acute	chronic	---	100	
Qualifiers:				TVS	TVS	
Other:				TVS	TVS	
	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).	6.5 - 9.0	---	---	100	
	*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	---	150*	---	100	
	*Uranium(acute) = See 32.5(3) for details.	---	126	TVS	TVS	
	*Uranium(chronic) = See 32.5(3) for details.	Inorganic (mg/L)		TVS	TVS	
		acute	chronic	TVS	TVS	
		TVS	TVS	---	1000	
		---	0.75	TVS	TVS	
		---	250	TVS	TVS	
		0.019	0.011	---	150	
		0.005	---	TVS	TVS	
		100	---	TVS	TVS	
		0.5---	--0.5	TVS	TVS	
		---	0.17*	varies*	varies*	
		---	---	TVS	TVS	
		---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

4e. All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) near Pueblo except for specific listings in 3a, 4d, 5a and 5b.									
COARF004E	Classifications	Physical and Biological			Metals (ug/L)				
Designation			DM	MWAT	acute	chronic			
UP	Agriculture								
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---		
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>		
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS		
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---		
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS		
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---		
		<b>Inorganic (mg/L)</b>			<b>acute</b>	<b>chronic</b>	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS	TVS	
		Boron	---	0.75	Iron	---	WS	1000	
		Chloride	---	250	Lead	TVS	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	---	
		Cyanide	0.005	---	Manganese	TVS	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	---	
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150	---	
		Phosphorus	---	0.17*	Nickel	TVS	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	---	
		Sulfide	---	0.002	Selenium	TVS	TVS	TVS	
					Silver	TVS	TVS	TVS	
					Uranium	varies*	varies*	varies*	
					Zinc	TVS	TVS	TVS	
COARF005A	Classifications	Physical and Biological			Metals (ug/L)				
Designation			DM	MWAT	acute	chronic			
Reviewable	Agriculture								
	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---		
	Water Supply		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02		
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS		
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---		
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---		
		<b>Inorganic (mg/L)</b>			<b>acute</b>	<b>chronic</b>	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS	TVS	
		Boron	---	0.75	Iron	---	WS	1000	
		Chloride	---	250	Lead	TVS	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	---	
		Cyanide	0.005	---	Manganese	TVS	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	---	
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150	---	
		Phosphorus	---	0.17*	Nickel	TVS	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	---	
		Sulfide	---	0.002	Selenium	TVS	TVS	TVS	
					Silver	TVS	TVS	TVS	
					Uranium	varies*	varies*	varies*	
					Zinc	TVS	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

5b. Jimmy Camp Creek from Old Pueblo Road (38.673200, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735) to the confluence with Fountain Creek.

COARFO05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1 Recreation N	Temperature °C	WS-II	WS-II	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS	TVS
			<b>Inorganic (mg/L)</b>		Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

\*Uranium(acute) = See 32.5(3) for details.  
\*Uranium(chronic) = See 32.5(3) for details.

6. Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Fountain Creek.

COARFO06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
			<b>Inorganic (mg/L)</b>		Chromium VI	TVS	TVS
			acute	chronic	Copper	---	TVS*
		Ammonia	TVS	TVS	Copper	TVS*	---
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVSWS
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Mercury(T)	---	0.01
		Phosphorus	---	0.17*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

\*chlorophyll a (mg/m<sup>2</sup>)(chronic) = applies only above the facilities listed at 32.5(4).  
\*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).  
\*Copper(acute) = Copper BLM –based Fixed Monitoring Benchmark (FMB)  
Copper FMBa = 28.4µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge.  
\*Copper(chronic) = Copper BLM –based Fixed Monitoring Benchmark (FMB)  
Copper FMBc = 17.8µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge.  
\*Uranium(acute) = See 32.5(3) for details.  
\*Uranium(chronic) = See 32.5(3) for details.

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

7a. Pikeview Reservoir, Willow Springs Pond #1, and Willow Springs Pond #2.							
COARFO07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
UP	Agriculture		WL	WL			
	Aq Life Warm 2		acute	chronic			
	Recreation E						
	Water Supply						
Qualifiers:							
Water + Fish Standards Apply							
Other:							
*Uranium(acute) = See 32.5(3) for details.		Temperature °C			Arsenic	340	---
*Uranium(chronic) = See 32.5(3) for details.					Arsenic(T)	---	0.02
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

7b. Prospect Lake, Quail Lake, and Monument Lake.							
COARFO07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
UP	Agriculture		WL	WL			
	Aq Life Warm 2		acute	chronic			
	Recreation E						
Qualifiers:							
Fish Ingestion Standards Apply							
Other:							
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Temperature °C			Arsenic	340	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Arsenic(T)	---	7.6
*Uranium(acute) = See 32.5(3) for details.		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

8. All lakes and reservoirs tributary to the mainstem of Fountain Creek from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 9.						
COARFO08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	CL	CL	Arsenic	340 ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---
		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50 ---
Temporary Modification(s):		<u>E.-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
Arsenic(chronic) = hybrid					Copper	TVS TVS
Expiration Date of 12/31/2024					Iron	---
					Iron(T)	---
					Lead	TVS TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Lead(T)	50 ---
*Classification: DUWS applies to Big Tooth Reservoir, Lake Moraine, Woodmoor Lake					Manganese	TVS TVS/WS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Mercury(T)	---
*Uranium(acute) = See 32.5(3) for details.					Mercury(T)	---
*Uranium(chronic) = See 32.5(3) for details.					Molybdenum(T)	---
					Nickel	TVS TVS
					Nickel(T)	---
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS
9. North Catamount Reservoir, South Catamount Reservoir, and Crystal Creek Reservoir.						
COARFO09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	CLL	CLL	Arsenic	340 ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---
		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50 ---
Temporary Modification(s):		<u>E.-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
Arsenic(chronic) = hybrid					Copper	TVS TVS
Expiration Date of 12/31/2024					Iron	---
					Iron(T)	---
					Lead	TVS TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Lead(T)	50 ---
*Classification: All reservoirs=DUWS					Manganese	TVS TVS/WS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Mercury(T)	---
*Uranium(acute) = See 32.5(3) for details.					Mercury(T)	---
*Uranium(chronic) = See 32.5(3) for details.					Molybdenum(T)	---
					Nickel	TVS TVS
					Nickel(T)	---
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

10. All lakes and reservoirs tributary to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for specific listings in Segment 11. This segment includes Rampart Reservoir.

COARFO10	Classifications	Physical and Biological		Metals (ug/L)			
Designation		DM	MWAT	acute	chronic		
Reviewable	Agriculture						
	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
				Zinc	TVS	TVS	

11. AFA Non Potable Reservoir #1 (38.70939, -104.82928) and all lakes and reservoirs tributary to Fountain Creek from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, excluding lakes and reservoirs within the boundaries of the National Forest and other lakes on Air Force Academy lands and the specific listings in segments 7a and 7b.

COARFO11	Classifications	Physical and Biological		Metals (ug/L)			
Designation		DM	MWAT	acute	chronic		
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
	DUWS*	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
<b>Other:</b>		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5---	---0.5	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	---	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

1a. Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.						
COARLA01A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Warm 2 Recreation E Water Supply	DM	MWAT	acute	chronic	
UP		varies*	varies*			
		acute	chronic			
		Temperature °C		Arsenic	340	---
		D.O. (mg/L)	---	5.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Cadmium	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium(T)	5.0
		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	19.1
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

  

1b. Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.						
COARLA01B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Warm 2 Recreation E Water Supply	DM	MWAT	acute	chronic	
UP		WS-II	WS-II			
		acute	chronic			
		Temperature °C		Arsenic	340	---
		D.O. (mg/L)	---	5.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Cadmium	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium(T)	5.0
		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

1c. Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.								
COARLA01C	Classifications	Physical and Biological			Metals (ug/L)			
Designation		DM	MWAT		acute	chronic		
UP	Agriculture							
	Aq Life Warm 2	WS-II	WS-II	Arsenic	340	---		
	Recreation E	<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02		
	Water Supply			D.O. (mg/L)	---	5.0		
<b>Qualifiers:</b>				pH	6.5 - 9.0	---		
<b>Water + Fish Standards Apply</b>				chlorophyll a (mg/m <sup>2</sup> )	---	---		
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>		Chromium III	---	TVS		
				<b>acute</b>	<b>chronic</b>	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.75	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Iron(T)	---	1000	
		Cyanide	0.005	---	Lead	TVS	TVS	
		Nitrate	10	---	Lead(T)	50	---	
		Nitrite	<del>0.5</del>	<del>0.5</del>	Manganese	TVS	TVS/190	
		Phosphorus	---	---	Mercury(T)	---	0.01	
		Sulfate	---	1900	Molybdenum(T)	---	150	
		Sulfide	---	0.002	Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

  

2a. All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a, through 9b, and Middle Arkansas Basin listings.								
COARLA02A	Classifications	Physical and Biological			Metals (ug/L)			
Designation		DM	MWAT		acute	chronic		
UP	Agriculture							
	Aq Life Warm 2	WS-III	WS-III	Arsenic	340	---		
	Recreation N	<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>		
	Water Supply			D.O. (mg/L)	---	5.0		
<b>Qualifiers:</b>				pH	6.5 - 9.0	---		
<b>Other:</b>  *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>		Chromium III	---	TVS		
				<b>acute</b>	<b>chronic</b>	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.75	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Iron(T)	---	1000	
		Cyanide	0.005	---	Lead	TVS	TVS	
		Nitrate	10	---	Lead(T)	50	---	
		Nitrite	<del>0.5</del>	<del>0.5</del>	Manganese	TVS	TVS/WS	
		Phosphorus	---	0.17*	Mercury(T)	---	0.01	
		Sulfate	---	WS	Molybdenum(T)	---	150	
		Sulfide	---	0.002	Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

2b. King Arroyo.							
COARLA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute      chronic			
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-III	WS-III	Arsenic(T)	---	200
		acute	chronic				
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium(T)	---	50
<b>Livestock Watering Only</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	1000
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		<u>E-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI(T)	---	1000
		Inorganic (mg/L)			Copper(T)	---	500
		acute	chronic				
		Ammonia	---	---	Iron	---	---
		Boron	---	5.0	Lead(T)	---	100
		Chloride	---	---	Manganese	---	---
		Chlorine	---	---	Mercury(T)	---	10
		Cyanide	0.2	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	---	---
		Nitrite	10	---	Selenium(T)	---	50
		Phosphorus	---	0.17*	Silver	---	---
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	---	Zinc(T)	---	25000

  

2c. Mainstem of Wildhorse Creek, including all tributaries, from a point immediately below US Highway 287 in Kit Carson to the confluence with Big Sandy Creek.							
COARLA02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute      chronic			
UP	Aq Life Warm 2 Recreation N	Temperature °C	WS-III	WS-III	Arsenic(T)	---	100
		acute	chronic				
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	---	50
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS	TVS
		<u>E-Coli</u> E. coli (per 100 mL)	---	630	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI(T)	---	100
		acute	chronic				
		Ammonia	---	---	Copper(T)	---	200
		Boron	---	0.75	Iron	---	---
		Chloride	---	---	Lead(T)	---	100
		Chlorine	---	---	Manganese	---	---
		Cyanide	0.2	---	Mercury(T)	---	---
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	10	---	Nickel(T)	---	200
		Phosphorus	---	0.17	Selenium(T)	---	50
		Sulfate	---	---	Silver	---	---
		Sulfide	---	---	Uranium	varies*	varies*
					Zinc(T)	---	2000

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

2d. Unnamed tributary from the source north of county road 350 (37.304487, -104.29068) to the confluence with the Purgatoire.						
COARLA02D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Recreation N	Temperature °C	WS-III	WS-III	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
Other:	*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	TVS      TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---
		<u>E.-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS      TVS
		Boron	---	0.75	Manganese	TVS      TVS
		Chloride	---	250	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS      TVS
		Nitrate	100	---	Selenium	TVS      TVS
		Nitrite	0.5---	--0.5	Silver	TVS      TVS
		Phosphorus	---	0.17*	Uranium	varies*      varies*
		Sulfate	---	---	Zinc	TVS      TVS
		Sulfide	---	0.002		

  

3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.						
COARLA03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50      ---
		<u>E.-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS      TVS
		Chloride	---	250	Lead(T)	50      ---
		Chlorine	0.019	0.011	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05---	--0.05	Nickel	---
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS      TVS
		Sulfide	---	0.002	Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

3b. Mainstem of West Torino Canyon Creek, North Fork, Middle Fork and mainstem of Trujillo Creek, Mitotes Canyon Creek, Luis Canyon Creek, Wheeler Canyon Creek, Mauricio Canyon Creek, Daisy Canyon Creek, Adobe Canyon Creek, Gonzales Canyon Creek, Frio Canyon Creek, Borrego Canyon Creek, Munoz Canyon Creek, William Canyon Creek and Castro Canyon Creek, including all tributaries, from their sources to their confluences with the Apishapa River, except for the specific listings in Middle Arkansas segment 1.

COARLA03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation N		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	630	Chromium VI(T)	50	---
		<b>Inorganic (mg/L)</b>			Copper(T)	200	---
			<b>acute</b>	<b>chronic</b>	Iron	---	WS
		Ammonia	---	0.5	Lead(T)	50	---
		Boron	---	0.75	Manganese	---	WS
		Chloride	---	250	Mercury(T)	2.0	---
		Chlorine	---	---	Molybdenum(T)	---	150
		Cyanide	0.2	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium(T)	---	20
		Nitrite	1.0	---	Silver(T)	100	---
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc(T)	---	2000
		Sulfide	---	0.05			

\*Uranium(acute) = See 32.5(3) for details.  
\*Uranium(chronic) = See 32.5(3) for details.

3c. The mainstem of Jarosa Canyon Creek including all tributaries from the source to the confluence with the Apishapa River.

COARLA03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<del>0.05</del>	<del>0.05</del>	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

\*Uranium(acute) = See 32.5(3) for details.  
\*Uranium(chronic) = See 32.5(3) for details.

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

4a. Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River. Mainstem of Timpas Creek from the source to the Arkansas River.						
COARLA04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340      ---
		<b>acute</b>	<b>chronic</b>		Arsenic(T)	---      0.02
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0      ---
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---      TVS
		<del>E-Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50      ---
		Inorganic (mg/L)			Chromium VI	TVS      TVS
		acute	chronic		Copper	TVS      TVS
		Ammonia	TVS	TVS	Iron	---      WS
		Boron	---	0.75	Iron(T)	---      1805
		Chloride	---	250	Lead	TVS      TVS
		Chlorine	0.019	0.011	Lead(T)	50      ---
		Cyanide	0.005	---	Manganese	TVS      TVS/WS
		Nitrate	10	---	Mercury(T)	---      0.01
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---      150
		Phosphorus	---	0.17	Nickel	TVS      TVS
		Sulfate	---	WS	Nickel(T)	---      100
		Sulfide	---	0.002	Selenium	TVS      TVS
					Silver	TVS      TVS
					Uranium	varies*      varies*
					Zinc	TVS      TVS

  

4b. Mainstem of Lorencito Canyon, from the source to the confluence with the Purgatoire River.						
COARLA04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340      ---
		<b>acute</b>	<b>chronic</b>		Arsenic(T)	---      100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS      TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	---      100
		<del>E-Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic		Iron(T)	---      1000
		Ammonia	TVS	TVS	Lead	TVS      TVS
		Boron	---	4.0	Manganese	TVS      TVS
		Chloride	---	---	Mercury(T)	---      0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---      150
		Cyanide	0.005	---	Nickel	TVS      TVS
		Nitrate	100	---	Selenium	TVS      TVS
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Silver	TVS      TVS
		Phosphorus	---	0.17	Uranium	varies*      varies*
		Sulfate	---	---	Zinc	TVS      TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

5a. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Guajatoyah Creek; mainstem of the Middle Fork of the Purgatoire River, including all tributaries and wetlands, from the source to the Bar Ni Ranch Road at Stonewall Gap; Mainstem of the South Fork of the Purgatoire River, including all tributaries and wetlands, from the source to Tercio.

COARLA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from a point immediately below the confluence with Guajatoyah Creek to the confluence with the Purgatoire River. Mainstem of the Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to the confluence with the North Fork of the Purgatoire River. Mainstem of the South Fork of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.

COARLA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

5c. Purgatoire mainstem from Trinidad Lake outlet works to I-25. Mainstem of Raton Creek from the source to the confluence of Purgatoire River.							
COARLA05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute      chronic			
Reviewable		CS-II	CS-II	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
pH		6.5 - 9.0	---	---	Cadmium(T)	5.0	---
chlorophyll a (mg/m <sup>2</sup> )		---	150*	---	Chromium III	---	TVS
E-ColiE_coli (per 100 mL)		---	126	---	Chromium III(T)	50	---
Inorganic (mg/L)			---	Chromium VI	TVS	TVS	
acute		chronic	---	---	Copper	TVS	TVS
Ammonia		TVS	TVS	---	Iron	---	WS
Boron		---	2.0	---	Iron(T)	---	1000
Chloride		---	250	---	Lead	TVS	TVS
Chlorine		0.019	0.011	---	Lead(T)	50	---
Cyanide		0.005	---	---	Manganese	TVS	TVS/WS
Nitrate		10	---	---	Mercury(T)	---	0.01
Nitrite		0.05---	--0.05	---	Molybdenum(T)	---	150
Phosphorus		---	0.11*	---	Nickel	TVS	TVS
Sulfate		---	WS	---	Nickel(T)	---	100
Sulfide		---	0.002	---	Selenium	TVS	TVS
---		---	---	---	Silver	TVS	TVS(tr)
---		---	---	---	Uranium	varies*	varies*
---		---	---	---	Zinc	TVS	TVS

6a. All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.							
COARLA06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture UP Aq Life Cold 2 Recreation E	DM	MWAT	acute      chronic			
Reviewable		CS-II	CS-II	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	100	
Other:	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
pH		6.5 - 9.0	---	---	Chromium III	TVS	TVS
chlorophyll a (mg/m <sup>2</sup> )		---	150*	---	Chromium III(T)	---	100
E-ColiE_coli (per 100 mL)		---	126	---	Chromium VI	TVS	TVS
Inorganic (mg/L)			---	Copper	TVS	TVS	
acute		chronic	---	---	Iron(T)	---	1000
Ammonia		TVS	TVS	---	Lead	TVS	TVS
Boron		---	4.0	---	Manganese	TVS	TVS
Chloride		---	---	---	Mercury(T)	---	0.01
Chlorine		0.019	0.011	---	Molybdenum(T)	---	150
Cyanide		0.005	---	---	Nickel	TVS	TVS
Nitrate		100	---	---	Selenium	TVS	TVS
Nitrite		0.5---	--0.5	---	Silver	TVS	TVS
Phosphorus		---	0.11*	---	Uranium	varies*	varies*
Sulfate		---	---	---	Zinc	TVS	TVS
Sulfide		---	0.002	---	---	---	---

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

6b. Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.						
COARLA06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
					acute	chronic
UP	Agriculture Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic(T)	--- 0.02-10 <sup>A</sup>
			<b>acute</b>	<b>chronic</b>	Beryllium(T)	--- 4.0
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
		pH	6.5 - 9.0	---	Chromium III	--- TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50 ---
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS
					Copper	TVS TVS
					Iron	--- WS
					Iron(T)	--- 1000
			<b>acute</b>	<b>chronic</b>	Lead	TVS TVS
		Ammonia	TVS	TVS	Lead(T)	50 ---
		Boron	---	2.0	Manganese	TVS TVS/WS
		Chloride	---	250	Mercury(T)	--- 0.01
		Chlorine	0.019	0.011	Molybdenum(T)	--- 150
		Cyanide	0.005	---	Nickel	TVS TVS
		Nitrate	10	---	Nickel(T)	--- 100
		Nitrite	0.5---	--0.5	Selenium	TVS TVS
		Phosphorus	---	---	Silver	TVS TVS
		Sulfate	---	WS	Uranium	varies* varies*
		Sulfide	---	0.002	Zinc	TVS TVS
<b>Inorganic (mg/L)</b>						
7. Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.						
COARLA07	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT		
					acute	chronic
Reviewable	Agriculture Aq Life Warm 1 Water Supply Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340 ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	--- 0.02
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	--- TVS
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50 ---
					Chromium VI	TVS TVS
			<b>acute</b>	<b>chronic</b>	Copper	TVS TVS
		Ammonia	TVS	TVS	Iron	--- WS
		Boron	---	0.75	Iron(T)	--- 1000
		Chloride	---	250	Lead	TVS TVS
		Chlorine	0.019	0.011	Lead(T)	50 ---
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury(T)	--- 0.01
		Nitrite	0.5---	--0.5	Molybdenum(T)	--- 150
		Phosphorus	---	---	Nickel	TVS TVS
		Sulfate	---	WS	Nickel(T)	--- 100
		Sulfide	---	0.002	Selenium	TVS TVS
					Silver	TVS TVS
					Uranium	varies* varies*
					Zinc	TVS TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

8. Mainstem of Ricardo Creek, including all tributaries and wetlands, which are within Colorado (Costilla and Las Animas Counties), mainstem of the Canadian River, including all tributaries, wetlands, lakes and reservoirs.								
COARLA08	Classifications	Physical and Biological			Metals (ug/L)			
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b> <b>chronic</b>		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340      ---		
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02		
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS		
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---		
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---      TVS		
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50      ---		
		<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS      TVS		
		<b>Inorganic (mg/L)</b>				Copper	TVS      TVS	
			<b>acute</b>	<b>chronic</b>		Iron	---      WS	
		Ammonia	TVS	TVS		Iron(T)	---      1000	
		Boron	---	0.75		Lead	TVS      TVS	
		Chloride	---	250		Lead(T)	50      ---	
		Chlorine	0.019	0.011		Manganese	TVS      TVS/WS	
		Cyanide	0.005	---		Mercury(T)	---      0.01	
		Nitrate	10	---		Molybdenum(T)	---      150	
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05		Nickel	TVS      TVS	
		Phosphorus	---	0.11		Nickel(T)	---      100	
		Sulfate	---	WS		Selenium	TVS      TVS	
		Sulfide	---	0.002		Silver	TVS      TVS(tr)	
						Uranium	varies*      varies*	
						Zinc	TVS      TVS	
		9a. Mainstems of Adobe, Buffalo, Cheyenne, Clay, Gageby, Horse, Two Butte, Wildhorse and Wolf Creeks from their sources to their confluences with the Arkansas River. Mainstems of Chacuacho Creek, San Francisco Creek, Trinchera Creek and Van Bremer Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Willow Creek from Highway 287 to the confluence with the Arkansas River. Mainstem of Big Sandy Creek from the source to the El Paso/Elbert county line. Mainstem of South Rush Creek from the source to the confluence with Rush Creek. Mainstem of Middle Rush Creek from the source to the confluence with North Rush Creek. North Rush Creek from the source to the confluence with South Rush Creek. Mainstem of Rush Creek to the Lincoln County Line. Mainstem of Antelope Creek from the source to the confluence with Rush Creek; the West May Valley drain from the Fort Lyon Canal to the confluence with the Arkansas River.						
		COARLA09A	Classifications	Physical and Biological			Metals (ug/L)	
		<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b> <b>chronic</b>
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340      ---		
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02		
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS		
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0      ---		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---      TVS		
		<del>E-Coli</del> E. coli (per 100 mL)	---	126	Chromium III(T)	50      ---		
		<b>Inorganic (mg/L)</b>				Chromium VI	TVS      TVS	
			<b>acute</b>	<b>chronic</b>		Copper	TVS      TVS	
		Ammonia	TVS	TVS		Iron	---      WS	
		Boron	---	0.75		Iron(T)	---      1000	
		Chloride	---	250		Lead	TVS      TVS	
		Chlorine	0.019	0.011		Lead(T)	50      ---	
		Cyanide	0.005	---		Manganese	TVS      TVS/WS	
		Nitrate	10	---		Mercury(T)	---      0.01	
		Nitrite	<del>0.5</del> ---	<del>---</del> 0.5		Molybdenum(T)	---      150	
		Phosphorus	---	0.17		Nickel	TVS      TVS	
		Sulfate	---	WS		Nickel(T)	---      100	
		Sulfide	---	0.002		Selenium	TVS      TVS	
						Silver	TVS      TVS	
						Uranium	varies*      varies*	
						Zinc	TVS      TVS	

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

9b. Mainstem of Apache Creek from the source to the confluence with the North Rush Creek. Mainstem of Breckenridge Creek from the source to the confluence with Horse Creek. Mainstem of Little Horse Creek from the source to the confluence with Horse Creek. Mainstem of Bob Creek from the source to Meredith Reservoir. Mainstem of Big Sandy Creek within Prowers County. Mainstem of Rule Creek from the Bent/Las Animas county line to John Martin Reservoir. Mainstem of Muddy Creek from the south boundary of the Setchfield State Wildlife Area to the confluence with Rule Creek. Mainstem of Caddoa Creek from CC Road to the confluence with the Arkansas River. Mainstem of Cat Creek from the source to the confluence with Clay Creek. Mainstem of Mustang Creek from the source to the confluence with Apishapa River. Mainstem of Chicosa Creek from the source to the Arkansas River. Mainstem of Smith Canyon from the Otero/Las Animas county line to the confluence with the Purgatoire River. Mainstem of Mud Creek from V Road to the confluence with the Arkansas River. Mainstems of Frijole Creek and Luning Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Blackwell Arroyo from its source to the confluence with Luning Arroyo. Mainstem of San Isidro Creek from the source to the confluence with San Francisco Creek.

COARLA09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
<b>Other:</b>		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid			acute	chronic	Copper	TVS	TVS
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5---	---0.5	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

10. Two Buttes Reservoir, Two Buttes Pond, Hasty Lake, Holbrook Reservoir, Burchfield Lake, Nee-Skah (Queens) Reservoir, Adobe Creek Reservoir, Neeso Pah Reservoir, Nee Noshe Reservoir; Nee Gronda Reservoir.

COARLA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
*Uranium(acute) = See 32.5(3) for details.		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05---	---0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

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## Lower Arkansas River Basin

11. John Martin Reservoir.							
COARLA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Qualifiers:	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

12. Lake Henry, Lake Meredith.							
COARLA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5---	0.5	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

13. American Crystal Reservoir, Chancellor Ponds, Horse Creek Reservoir, Hugo Ponds, Jim Davis Pond, John Robertson Ponds, Karval Lake, Kinney Lake, Kissel Pond, La Junta Kids Pond, Las Animas Kids Pond, Mayhem Pond, Merit Lake, Olney Springs Pond, Otero Pond, Pursley Ponds, Ranch Reservoir, Reynolds Gravel Pit, Pyan Ponds, Thurston Reservoir, Turks Pond, Ramah Reservoir.

COARLA13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	7.6
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
*Uranium(acute) = See 32.5(3) for details.		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.			<b>Inorganic (mg/L)</b>		Copper	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5---	---0.5	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

14. All lakes and reservoirs tributary to the Apishapa River from the source to I-25, except for specific listings in Middle Arkansas segment 19.

COARLA14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.			<b>Inorganic (mg/L)</b>		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.			<b>acute</b>	<b>chronic</b>	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

## REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Arkansas River Basin

15. All lakes and reservoirs tributary to the mainstem of the North Fork of the Purgatoire River from the source to a point immediately below the confluence with Guajatoyah Creek. All lakes and reservoirs tributary to the Middle Fork of the Purgatoire River from the source to the USGS gage at Stonewall. Mainstem of the South Fork of the Purgatoire River, from the source to Tercio. Monument Lake, North Lake, Trinidad Lake, Long Canyon Reservoir and Lake Dorothey.

COARLA15	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	Temperature °C	CLL*	CLL *	Arsenic(T)	---	0.02
	Water Supply				Cadmium	TVS	TVS
	DUWS*				Cadmium(T)	5.0	---
<b>Qualifiers:</b>				<b>acute</b>	<b>chronic</b>		
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Monument Lake and North Lake *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = Trinidad Reservoir (CLL)		D.O. (mg/L)	---	6.0	Chromium III	---	TVS
		D.O. (spawning)	---	7.0	Chromium III(T)	50	---
		pH	6.5 - 9.0	---	Chromium VI	TVS	TVS
		chlorophyll a (ug/L)	---	8*	Copper	TVS	TVS
		<u>E. Coli</u> (per 100 mL)	---	126	Iron	---	WS
					Iron(T)	---	1000
					<b>Inorganic (mg/L)</b>		
					<b>acute</b>	<b>chronic</b>	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
	Sulfate	---	WS	Silver	TVS	TVS(tr)	
	Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS	

16. All lakes and reservoirs tributary to the Purgatoire River from the source to I-25, except for the specific listings in segment 15 and 17.

COARLA16	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2	Temperature °C	CL	CL	Arsenic(T)	---	100
	Recreation E				Beryllium(T)	---	100
<b>Qualifiers:</b>				<b>acute</b>	<b>chronic</b>		
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI(T)	---	100
		<u>E. Coli</u> (per 100 mL)	---	126	Copper(T)	---	200
					Iron	---	---
					<b>Inorganic (mg/L)</b>		
					<b>acute</b>	<b>chronic</b>	
		Ammonia	---	---	Lead(T)	---	100
		Boron	---	0.75	Manganese	---	---
		Chloride	---	---	Mercury(T)	---	---
		Chlorine	---	---	Molybdenum(T)	---	150
		Cyanide	0.2	---	Nickel(T)	---	200
		Nitrate	100	---	Selenium(T)	---	20
		Nitrite	10	---	Silver	---	---
		Phosphorus	---	0.025*	Uranium	varies*	varies*
	Sulfate	---	---	Zinc(T)	---	2000	
	Sulfide	---	---				

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

## REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Arkansas River Basin

17. All lakes and reservoirs tributary to Wet Canyon, from the source to the confluence with the Purgatoire River.								
COARLA17	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute      chronic		
UP	Aq Life Cold 2	Temperature °C	CL	CL	Arsenic(T)	---      0.02-10 <sup>A</sup>		
	Recreation E		<b>acute</b>	<b>chronic</b>	Beryllium(T)	---      4.0		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium(T)	5.0      ---		
Qualifiers:		D.O. (spawning)	---	7.0	Chromium III	---      TVS		
Other:		pH	6.5 - 9.0	---	Chromium III(T)	50      ---		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium VI(T)	50      100		
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Copper(T)	---	200	
		<b>Inorganic (mg/L)</b>				Iron	---	WS
			<b>acute</b>	<b>chronic</b>	Manganese	---	WS	
		Ammonia	---	---	Mercury(T)	2.0	---	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	250	Nickel(T)	---	100	
		Chlorine	---	---	Nickel(T)	---	100	
		Cyanide	0.2	---	Selenium(T)	---	20	
		Nitrate	10	---	Silver(T)	100	---	
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Uranium	varies*	varies*	
		Phosphorus	---	0.025*	Zinc(T)	---	2000	
		Sulfate	---	WS				
Sulfide	---	0.05						
18. All lakes and reservoirs tributary to Ricardo Creek, which are within Colorado (Costilla and Las Animas Counties). All lakes and reservoirs tributary to the Canadian River.								
COARLA18	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute      chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340      ---		
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---      0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS		
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---		
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50      ---		
		<del>E.-Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS      TVS		
		<b>Inorganic (mg/L)</b>				Copper	TVS      TVS	
			<b>acute</b>	<b>chronic</b>	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	<del>0.05</del> ---	<del>---</del> 0.05	Nickel	TVS	TVS	
		Phosphorus	---	0.025*	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
Sulfide	---	0.002	Silver	TVS	TVS(tr)			
			Uranium	varies*	varies*			
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.  
 T = total recoverable  
 t = total  
 tr = trout

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

19. All lakes and reservoirs tributary to the Arkansas River, except for specific listings in segments 10-18 and Middle Arkansas Basin segments 19-28.							
COARLA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Temporary Modification(s):		<del>E. Coli</del> <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Copper	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Iron	---	WS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	<del>0.5</del> ---	<del>0.5</del>	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Cimarron River Basin

1. Mainstem of the Cimarron River, including all tributaries and wetlands, in Las Animas, Baca, and Prowers Counties, except for the specific listing in segment 2.						
COARCI01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Recreation N	Temperature °C	WS-II	WS-II	Arsenic(T)	--- 100
			<b>acute</b>	<b>chronic</b>	Beryllium(T)	--- 100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium(T)	--- 10
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	--- 100
*Uranium(acute) = See 32.5(3) for details.		<u>E. Coli</u> (per 100 mL)	---	630	Chromium VI(T)	--- 100
*Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Copper(T)	--- 200
			<b>acute</b>	<b>chronic</b>	Iron	--- ---
		Ammonia	---	---	Lead(T)	--- 100
		Boron	---	0.75	Manganese	--- ---
		Chloride	---	---	Mercury(T)	--- ---
		Chlorine	---	---	Molybdenum(T)	--- 150
		Cyanide	0.2	---	Nickel(T)	--- 200
		Nitrate	100	---	Selenium(T)	--- 20
		Nitrite	10	---	Silver	--- ---
		Phosphorus	---	0.17	Uranium	varies* varies*
		Sulfate	---	---	Zinc(T)	--- 2000
		Sulfide	---	---		

  

2. Mainstem of North Carrizo Creek from the source to the Colorado/Oklahoma state line; mainstems of East and West Carrizo Creek, to the confluence with North Carrizo Creek; mainstems of Cottonwood Creek and Tecolote Creek to the confluence with West Carrizo Creek, Fitzler Pond.						
COARCI02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 1 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340 ---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	--- 7.6
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	--- 100
*Uranium(acute) = See 32.5(3) for details.		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
*Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Copper	TVS TVS
			<b>acute</b>	<b>chronic</b>	Iron(T)	--- 1000
		Ammonia	TVS	TVS	Lead	TVS TVS
		Boron	---	0.75	Manganese	TVS TVS
		Chloride	---	---	Mercury(T)	--- 0.01
		Chlorine	0.019	0.011	Molybdenum(T)	--- 150
		Cyanide	0.005	---	Nickel	TVS TVS
		Nitrate	100	---	Selenium	TVS TVS
		Nitrite	<u>0.5</u>	<u>0.5</u>	Silver	TVS TVS
		Phosphorus	---	0.17	Uranium	varies* varies*
		Sulfate	---	---	Zinc	TVS TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Cimarron River Basin

3. All lakes and reservoirs tributary to the Cimarron River.							
COARCI03	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT	acute	chronic	
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Fish Ingestion Standards Apply</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		<del>E. Coli</del> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5---	0.5	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.  
T = total recoverable  
t = total  
tr = trout

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for further details on applied standards.

## **STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES**

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) *Reserved.*
- (C) *Reserved.*