

**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 12/31/2024

## 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 Aq Life Cold 1 Recreation E Water Supply	DM	MWAT		acute	chronic
OW		CS-I	CS-I	Temperature °C	340	---
		acute	chronic		---	0.02
		---	6.0	D.O. (mg/L)	TVS	TVS
		---	7.0	D.O. (spawning)	5.0	---
		6.5 - 9.0	---	pH	---	TVS
		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---
		---	126	E. Coli (per 100 mL)	TVS	TVS
		Inorganic (mg/L)			TVS	TVS
		acute	chronic		---	WS
		TVS	TVS	Ammonia	---	1000
		---	0.75	Boron	TVS	TVS
		---	250	Chloride	50	---
		0.019	0.011	Chlorine	TVS	TVS/WS
		0.005	---	Cyanide	---	0.01
		10	---	Nitrate	---	150
		---	0.05	Nitrite	TVS	TVS
		---	TVS	Phosphorus	---	100
		---	WS	Sulfate	TVS	TVS
		---	0.002	Sulfide	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS
1b. Mainstem of the East Fork 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 Recreation E Water Supply	DM	MWAT		acute	chronic
Reviewable		CS-I	CS-I	Temperature °C	340	---
		acute	chronic		---	0.02
		---	6.0	D.O. (mg/L)	TVS	TVS
		---	7.0	D.O. (spawning)	5.0	---
		6.5 - 9.0	---	pH	---	TVS
		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---
		---	126	E. Coli (per 100 mL)	TVS	TVS
		Inorganic (mg/L)			TVS	TVS
		acute	chronic		---	WS
		TVS	TVS	Ammonia	---	1000
		---	---	Boron	TVS	TVS
		---	250	Chloride	50	---
		0.019	0.011	Chlorine	TVS	TVS/WS
		0.005	---	Cyanide	---	0.01
		10	---	Nitrate	---	210
		---	0.05	Nitrite	TVS	TVS
		---	TVS	Phosphorus	---	100
		---	WS	Sulfate	TVS	TVS
		---	0.002	Sulfide	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

2a. Mainstem of the East Fork Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with 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	---
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 12/31/2029		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
*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
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	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	---
Qualifiers:			acute	chronic	Arsenic(T)	---	7.6
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	SSE*
*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)		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> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (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)	---	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(tr)
		Nitrite	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	---	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

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	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	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
*Designation: 9/30/00 Base-line does not apply		Ammonia	TVS	TVS	Lead	TVS	TVS
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		Boron	---	0.75	Lead(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 32.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)		Cyanide	0.005	---	Molybdenum(T)	---	150
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---
3. Mainstem of the Arkansas River from a point immediately above the confluence with 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	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
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			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	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

## 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)		
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029			<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
*Temperature =		Boron	---	0.75	Lead	TVS	TVS
DM and MWAT=CS-II from 11/1-3/31		Chloride	---	250	Lead(T)	50	---
DM= 24.8 and MWAT=22.1 from 4/1-10/31		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	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)		
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
Reviewable	Aq Life Warm 1	Temperature °C	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	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> )	---	TVS	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid			<b>Inorganic (mg/L)</b>		Chromium VI	TVS	TVS
Expiration Date of 12/31/2029			<b>acute</b>	<b>chronic</b>	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		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	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 Browns 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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 32.5(3) for details.		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	---	TVS*	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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> )	---	TVS	Chromium III	---	TVS	
	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	Nickel	TVS	TVS	
Phosphorus	---	TVS	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> )	---	TVS	Chromium III(T)	---	100	
	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	Uranium	varies*	varies*	
Phosphorus	---	TVS	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 Aq Life Cold 1 Recreation E		DM	MWAT		acute	chronic	
Reviewable			CS-I	CS-I	Arsenic	340	---	
Qualifiers:			acute	chronic	Arsenic(T)	---	7.6	
Other:		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
<p>*Cadmium(acute) = <math>(1.136672 - \ln(\text{hardness}) * 0.041838) * e^{(0.9789 * \ln(\text{hardness}) - 3.5146)}</math></p> <p>*Cadmium(chronic) = <math>(1.101672 - \ln(\text{hardness}) * 0.041838) * e^{(0.7977 * \ln(\text{hardness}) - 3.5338)}</math></p> <p>*Uranium(acute) = See 32.5(3) for details.</p> <p>*Uranium(chronic) = See 32.5(3) for details.</p> <p>*Zinc(acute) = <math>0.978 * e^{(0.8571[\ln(\text{hardness})] + 1.3673)}</math></p> <p>*Zinc(chronic) = <math>0.986 * e^{(0.8571[\ln(\text{hardness})] + 1.1711)}</math></p>		D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
		pH	6.5 - 9.0	---	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	---	Chromium VI	TVS	TVS
		Inorganic (mg/L)				Copper	TVS	TVS
						Iron(T)	---	1000
						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(tr)
		Nitrite	---	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	TVS	---	Zinc	---	SSE*
Sulfate	---	---	---	Zinc	SSE*	---		
Sulfide	---	0.002	---					

  

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 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	
<p>*Uranium(acute) = See 32.5(3) for details.</p> <p>*Uranium(chronic) = See 32.5(3) for details.</p>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	---	Chromium VI	TVS	TVS
		Inorganic (mg/L)				Copper	14.6	10.6
						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	---	TVS	---	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

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	Temperature °C	CS-I	CS-I	Aluminum(T)	750	---
Qualifiers:		acute	chronic	Arsenic	340	---	
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	5.0-9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
		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	Silver	TVS	TVS(tr)
		Phosphorus	---	TVS	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
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	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS*	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

COARUA12B		Physical and Biological			Metals (ug/L)		
Designation	Classifications	DM	MWAT	acute	chronic		
Reviewable	Agriculture						
	Aq Life Cold 1	CS-II	CS-II	340	---		
	Recreation E	<b>acute</b>	<b>chronic</b>	---	0.02		
	Water Supply	---	6.0	TVS	TVS		
<b>Qualifiers:</b>		---	7.0	5.0	---		
<b>Other:</b>		6.5 - 9.0	---	---	TVS		
Temporary Modification(s):		---	TVS	50	---		
Arsenic(chronic) = hybrid		---	126	TVS	TVS		
Expiration Date of 12/31/2029				TVS	TVS		
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>		---	WS		
*Uranium(acute) = See 32.5(3) for details.		<b>acute</b>	<b>chronic</b>	---	1000		
*Uranium(chronic) = See 32.5(3) for details.		TVS	TVS	TVS	TVS		
	Ammonia	---	0.75	TVS	TVS		
	Boron	---	250	TVS	TVS/WS		
	Chloride	0.019	0.011	---	0.01		
	Chlorine	0.005	---	---	150		
	Cyanide	10	---	TVS	TVS		
	Nitrate	---	0.05	---	100		
	Nitrite	---	TVS*	TVS	TVS		
	Phosphorus	---	WS	TVS	TVS(tr)		
	Sulfate	---	0.002	varies*	varies*		
	Sulfide	---		TVS	TVS		
	Zinc			TVS	TVS		

  

COARUA13		Physical and Biological			Metals (ug/L)		
Designation	Classifications	DM	MWAT	acute	chronic		
Reviewable	Agriculture						
	Aq Life Cold 1	CS-I	CS-I	340	---		
	Recreation E	<b>acute</b>	<b>chronic</b>	---	0.02		
	Water Supply	---	6.0	TVS	TVS		
<b>Qualifiers:</b>		---	7.0	5.0	---		
<b>Other:</b>		6.5 - 9.0	---	---	TVS		
Temporary Modification(s):		---	TVS	50	---		
Arsenic(chronic) = hybrid		---	126	TVS	TVS		
Expiration Date of 12/31/2029				TVS	TVS		
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>		---	WS		
*Uranium(acute) = See 32.5(3) for details.		<b>acute</b>	<b>chronic</b>	---	1000		
*Uranium(chronic) = See 32.5(3) for details.		TVS	TVS	TVS	TVS		
	Ammonia	---	0.75	TVS	TVS		
	Boron	---	250	TVS	TVS/WS		
	Chloride	0.019	0.011	---	0.01		
	Chlorine	0.005	---	---	150		
	Cyanide	10	---	TVS	TVS		
	Nitrate	---	0.05	---	100		
	Nitrite	---	TVS*	TVS	TVS		
	Phosphorus	---	WS	TVS	TVS(tr)		
	Sulfate	---	0.002	varies*	varies*		
	Sulfide	---		TVS	TVS		
	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			
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)	---	100
*Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (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)	---	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	Uranium	varies*	varies*
		Phosphorus	---	TVS	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 Browns Creek to the Chaffee/Fremont County line.							
COARUA14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
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	---	TVS
Expiration Date of 12/31/2029		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		E. Coli (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)	---	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	Nickel	TVS	TVS
		Phosphorus	---	TVS	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

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 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	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM and MWAT=CS-I from 11/1-5/31 DM=22.1 and MWAT=17 from 6/1-10/31		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	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 Aq Life Warm 1 Recreation E	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Other:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
*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	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	---	0.5	Selenium	TVS	TVS
		Phosphorus	---	TVS*	Silver	TVS	TVS
		Sulfate	---	---	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

## 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 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
			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
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		E. Coli (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)	---	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	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS*	Zinc	TVS	TVS
		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 Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	7.6
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Beryllium(T)	---	100
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
		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	---	0.5	Silver	TVS	TVS
		Phosphorus	---	TVS	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

## Upper Arkansas River Basin

15a. Mainstem of Badger Creek from the source to the confluence with the Arkansas River, including all tributaries and wetlands. Mainstem of Texas Creek from the Forest Service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on Forest Service land.

COARUA15A	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
<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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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.			<b>acute</b>	<b>chronic</b>	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	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15b. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for waterbodies in Upper Arkansas segment 25 and Middle Arkansas segment 1. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from the sources to the confluences with the Arkansas River, except for waterbodies in Middle Arkansas segment 1. Tributaries and wetlands to Texas Creek which are on Forest Service land, except for waterbodies in Middle Arkansas segment 1. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).

COARUA15B	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
<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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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.			<b>acute</b>	<b>chronic</b>	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	---	TVS	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

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 Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		acute	chronic				
Qualifiers:							
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	Inorganic (mg/L)					
Reviewable							
Qualifiers:							
Other:							
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# 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		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	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
					Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.					Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.					Lead	TVS	TVS
			Inorganic (mg/L)		Lead(T)	50	---
			acute	chronic	Manganese	TVS	TVS/WS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	250	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Nickel(T)	---	100
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	10	---	Silver	TVS	TVS(tr)
		Nitrite	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS	Zinc	TVS	TVS
		Sulfate	---	WS			
		Sulfide	---	0.002			

  

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		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	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
					Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.					Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.					Lead	TVS	TVS
			Inorganic (mg/L)		Lead(T)	50	---
			acute	chronic	Manganese	TVS	TVS/WS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	250	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Nickel(T)	---	100
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	10	---	Silver	TVS	TVS(tr)
		Nitrite	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS	Zinc	TVS	TVS
		Sulfate	---	WS			
		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

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:	*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> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (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)	---	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	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS	Zinc	TVS	TVS
	Sulfate	---	---				
	Sulfide	---	0.002				
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> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
	Sulfate	---	WS	Selenium	TVS	TVS	
	Sulfide	---	0.002	Silver	TVS	TVS(tr)	
				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

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		acute	chronic
Reviewable	Aq Life Cold 2 Recreation E	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> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS(sa)	TVS(ela)	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	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS*	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			
21b. Mainstem of Cripple Creek from a point 1.5 miles upstream of the confluence with Fourmile Creek to the confluence with Fourmile Creek.							
COARUA21B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-I	CS-I	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> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS(sp)	TVS(elp)	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	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	---	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

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	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	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.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100	
		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	Silver	TVS	TVS	
		Phosphorus	---	TVS*	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	---	
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---	
		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	Nickel	TVS	TVS	
		Phosphorus	---	TVS	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

25. Mainstem of Cottonwood Creek (Custer County) from the headwaters to 37.940597, -105.411656, except for waterbodies in Middle Arkansas Segment 1.							
COARUA25	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:	*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> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			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 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	100
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
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	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
		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	---	0.5	Silver	TVS	TVS
		Phosphorus	---	TVS	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

## 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		acute	chronic				
Qualifiers:							
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	6.5 - 9.0	---				
		---	6.0				
		---	7.0				
		---	TVS				
		---	126				
		Inorganic (mg/L)					
		acute	chronic				
		TVS	TVS				
		---	0.75				
		---	250				
		0.019	0.011				
		0.005	---				
		10	---				
		---	0.05				
		---	TVS				
	---	WS					
	---	0.002					
				340	---		
				---	0.02		
				TVS	TVS		
				5.0	---		
				---	TVS		
				50	---		
				TVS	TVS		
				TVS	TVS		
				---	WS		
				---	1000		
				TVS	TVS		
				50	---		
				TVS	TVS/WS		
				---	0.01		
				---	150		
				TVS	TVS		
				---	100		
				TVS	TVS		
				TVS	TVS(tr)		
				varies*	varies*		
				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		acute	chronic				
Qualifiers:							
Other:	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	6.5 - 9.0	---				
		---	6.0				
		---	7.0				
		---	TVS				
		---	126				
		Inorganic (mg/L)					
		acute	chronic				
		TVS	TVS				
		---	0.75				
		---	250				
		0.019	0.011				
		0.005	---				
		10	---				
		---	0.05				
		---	TVS				
	---	WS					
	---	0.002					
				340	---		
				---	0.02		
				TVS	TVS		
				5.0	---		
				---	TVS		
				50	---		
				TVS	TVS		
				TVS	TVS		
				---	WS		
				---	1000		
				TVS	TVS		
				50	---		
				TVS	TVS/WS		
				---	0.01		
				---	150		
				TVS	TVS		
				---	100		
				TVS	TVS		
				TVS	TVS(tr)		
				varies*	varies*		
				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 Browns 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	---	
<b>Qualifiers:</b>  <b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Temperature °C	CL	CL	Arsenic(T)	---	0.02
		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)	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
	Nitrogen	---	TVS	Nickel(T)	---	100	
	Phosphorus	---	TVS	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	---	
<b>Qualifiers:</b>  <b>Other:</b>  *Classification: DUWS applies to Twin Lakes and Elbert Forebay. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM and MWAT=CLL from 1/1-3/31  Turquoise Reservoir, Twin Lakes (Upper and Lower), Mt. Elbert Forebay DM=22.4 and MWAT=16.6 from 4/1-12/31  All others DM and MWAT=CLL from 4/1-12/31		Temperature °C	varies*	varies*	Arsenic(T)	---	0.02
		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)	---	DUWS	Chromium III(T)	50	---
		chlorophyll a (ug/L)	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	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	Nickel(T)	---	100	
	Nitrogen	---	TVS	Selenium	TVS	TVS	
	Phosphorus	---	TVS	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

## Upper Arkansas River Basin

31. All lakes and reservoirs tributary to the Arkansas River which are on National Forest lands, from the confluence with Browns 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	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029		Inorganic (mg/L)		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		TVS	TVS	Iron(T)	---	1000
		---	0.75	Lead	TVS	TVS
		---	250	Lead(T)	50	---
		0.019	0.011	Manganese	TVS	TVS/WS
		0.005	---	Mercury(T)	---	0.01
		10	---	Molybdenum(T)	---	150
		---	0.05	Nickel	TVS	TVS
		---	TVS	Nickel(T)	---	100
		---	TVS	Selenium	TVS	TVS
		---	WS	Silver	TVS	TVS(tr)
		---	0.002	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	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029		Inorganic (mg/L)		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		TVS	TVS	Iron(T)	---	1000
		---	0.75	Lead	TVS	TVS
		---	250	Lead(T)	50	---
		0.019	0.011	Manganese	TVS	TVS/WS
		0.005	---	Mercury(T)	---	0.01
		10	---	Molybdenum(T)	---	150
		---	0.05	Nickel	TVS	TVS
		---	TVS	Nickel(T)	---	100
		---	TVS	Selenium	TVS	TVS
		---	WS	Silver	TVS	TVS(tr)
		---	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

33. All lakes and reservoirs tributary to the Arkansas River which are not on National Forest lands, from the confluence with Browns 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	CL,CLL	CL,CLL	---	---	---	---
	Recreation E			acute	chronic		
	Water Supply						
<b>Qualifiers:</b>							
<b>Other:</b>							
*Uranium(acute) = See 32.5(3) for details.							
*Uranium(chronic) = See 32.5(3) for details.							
		Temperature °C				Arsenic	340
						Arsenic(T)	---
		D.O. (mg/L)	---	6.0		Cadmium	TVS
						Cadmium(T)	5.0
		D.O. (spawning)	---	7.0		Chromium III	---
		pH	6.5 - 9.0	---		Chromium III(T)	50
		chlorophyll a (ug/L)	---	TVS		Chromium VI	TVS
		E. Coli (per 100 mL)	---	126		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

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	CL	CL	---	---	---	---
	Recreation E			acute	chronic		
	Water Supply						
<b>Qualifiers:</b>							
<b>Other:</b>							
*Uranium(acute) = See 32.5(3) for details.							
*Uranium(chronic) = See 32.5(3) for details.							
		Temperature °C				Arsenic	340
						Arsenic(T)	---
		D.O. (mg/L)	---	6.0		Cadmium	TVS
						Cadmium(T)	5.0
		D.O. (spawning)	---	7.0		Chromium III	---
		pH	6.5 - 9.0	---		Chromium III(T)	50
		chlorophyll a (ug/L)	---	TVS		Chromium VI	TVS
		E. Coli (per 100 mL)	---	126		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 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*	CL,CLL	CL,CLL				
		acute	chronic				
	Temperature °C	---	---	Arsenic	340	---	
	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	D.O. (spawning)	---	7.0	Cadmium	TVS	TVS	
<b>Qualifiers:</b>	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
<b>Other:</b>	chlorophyll a (ug/L)	---	DUWS	Chromium III	---	TVS	
Temporary Modification(s):	chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/2029	<b>Inorganic (mg/L)</b>			Copper	TVS	TVS	
*Classification: DUWS applies to Ott Reservoir.				Iron	---	WS	
*Uranium(acute) = See 32.5(3) for details.				Iron(T)	---	1000	
*Uranium(chronic) = See 32.5(3) for details.				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	---	0.05	Selenium	TVS	TVS	
	Nitrogen	---	TVS	Silver	TVS	TVS(tr)	
	Phosphorus	---	TVS	Uranium	varies*	varies*	
	Sulfate	---	WS	Zinc	TVS	TVS	
	Sulfide	---	0.002				

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*	CL,CLL	CL,CLL				
		acute	chronic				
	Temperature °C	---	---	Arsenic	340	---	
	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	D.O. (spawning)	---	7.0	Cadmium	TVS	TVS	
<b>Qualifiers:</b>	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
<b>Other:</b>	chlorophyll a (ug/L)	---	DUWS	Chromium III	---	TVS	
Temporary Modification(s):	chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/2029	<b>Inorganic (mg/L)</b>			Copper	TVS	TVS	
*Classification: DUWS applies to Bison Reservoir.				Iron	---	WS	
*Uranium(acute) = See 32.5(3) for details.				Iron(T)	---	1000	
*Uranium(chronic) = See 32.5(3) for details.	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	
	Nitrogen	---	TVS	Selenium	TVS	TVS	
	Phosphorus	---	TVS	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

## 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 Reviewable	Agriculture Aq Life Cold 1 Recreation E Water Supply		DM	MWAT				
		Temperature °C	CL	CL	acute	chronic		
			acute	chronic				
Qualifiers:		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 (ug/L)	---	TVS	Chromium III(T)	50	---	
		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		Nickel	TVS	TVS
		Nitrogen	---	TVS		Nickel(T)	---	100
		Phosphorus	---	TVS		Selenium	TVS	TVS
		Sulfate	---	WS		Silver	TVS	TVS(tr)
Sulfide	---	0.002		Uranium	varies*	varies*		
				Zinc	TVS	TVS		

  

40. Brush Hollow Reservoir.								
COARUA40	Classifications	Physical and Biological			Metals (ug/L)			
Designation Reviewable	Agriculture Aq Life Warm 1 Recreation E Water Supply		DM	MWAT				
		Temperature °C	WL	WL	acute	chronic		
			acute	chronic				
Qualifiers:		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 (ug/L)	---	TVS	Chromium III	---	TVS	
		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		Molybdenum(T)	---	150
		Nitrogen	---	TVS		Nickel	TVS	TVS
		Phosphorus	---	TVS		Nickel(T)	---	100
		Sulfate	---	WS		Selenium	TVS	TVS
		Sulfide	---	0.002		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			Cadmium	TVS	TVS
Qualifiers:				D.O. (mg/L)	---	6.0
Other:				D.O. (spawning)	---	7.0
				pH	6.5 - 9.0	---
				chlorophyll a (ug/L)	---	TVS
				E. Coli (per 100 mL)	---	126
				Inorganic (mg/L)		
		acute	chronic	Iron	---	WS
				Iron(T)	---	1000
				Lead	TVS	TVS
				Lead(T)	50	---
				Ammonia	TVS	TVS
				Boron	---	0.75
				Chloride	---	250
				Chlorine	0.019	0.011
				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
				Nitrogen	---	TVS
				Selenium	TVS	TVS
				Phosphorus	---	TVS
				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

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 Recreation E Water Supply	acute	chronic	Temperature °C	CS-I	CS-I	Arsenic	340	---			
Qualifiers:		D.O. (mg/L)	---	6.0	D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02		
Other:		pH	6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Cadmium	TVS	TVS		
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	Chromium III(T)	50	---		
		Inorganic (mg/L)			Chromium VI	TVS	TVS	Copper	TVS	TVS		
		acute	chronic	Iron	---	WS	Iron(T)	---	1000	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---	Manganese	TVS	TVS/WS		
		Boron	---	0.75	Mercury(T)	---	0.01	Molybdenum(T)	---	150		
		Chloride	---	250	Nickel	TVS	TVS	Nickel(T)	---	100		
		Chlorine	0.019	0.011	Selenium	TVS	TVS	Silver	TVS	TVS(tr)		
		Cyanide	0.005	---	Sulfate	---	WS	Uranium	varies*	varies*		
		Nitrate	10	---	Sulfide	---	0.002	Zinc	TVS	TVS		
		Nitrite	---	0.05								
		Phosphorus	---	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 Recreation E Water Supply	acute	chronic	Temperature °C	varies*	varies*	Arsenic	340	---			
Qualifiers:		D.O. (mg/L)	---	6.0	D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02		
Other:		pH	6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Cadmium	TVS	TVS		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = See 32.6(4) for temperature standards.		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	Chromium III(T)	50	---		
		Chromium VI	TVS	TVS	Copper	TVS	TVS	Iron	---	WS		
		Inorganic (mg/L)			Iron(T)	---	1000	Lead	TVS	TVS		
		acute	chronic	Ammonia	TVS	TVS	Lead(T)	50	---			
		Boron	---	0.75	Manganese	TVS	TVS/WS	Mercury(T)	---	0.01		
		Chloride	---	250	Molybdenum(T)	---	150	Nickel	TVS	TVS		
		Chlorine	0.019	0.011	Nickel(T)	---	100	Selenium	TVS	TVS		
		Cyanide	0.005	---	Silver	TVS	TVS(tr)	Uranium	varies*	varies*		
		Nitrate	10	---	Zinc	TVS	TVS					
		Nitrite	---	0.05								
		Phosphorus	---	---								

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 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>	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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	---	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 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340	---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	100
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
<b>Other:</b>	*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> )	---	TVS	Chromium III(T)	---	100
		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(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	Silver	TVS	TVS
		Phosphorus	---	TVS*	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 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340	---
<b>Qualifiers:</b>			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	7.6
<b>Other:</b>	*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
		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(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	Silver	TVS	TVS
		Phosphorus	---	TVS	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 Water Supply Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340	---
<b>Qualifiers:</b>			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
<b>Other:</b>	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *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)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS*	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

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	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Recreation P	Temperature °C	WS-III	WS-III	Arsenic(T)	--- 100
		acute	chronic	Beryllium(T)	--- 100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	--- 10
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(T)	--- 100
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI(T)	--- 100
		E. Coli (per 100 mL)	---	205	Copper(T)	--- 200
		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* varies*
		Phosphorus	---	TVS*	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	acute	chronic	
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Arsenic(T)	--- 100
		acute	chronic	Beryllium(T)	--- 100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	--- 10
Other:	*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.	pH	6.5 - 9.0	---	Chromium III(T)	--- 100
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI(T)	--- 100
		E. Coli (per 100 mL)	---	126	Copper(T)	--- 200
		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	389* 369*
		Nitrate	100	---	Silver	--- ---
		Nitrite	10	---	Uranium	varies* varies*
		Phosphorus	---	TVS*	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	Agriculture	DM	MWAT	acute	chronic		
UP	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					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	Agriculture	DM	MWAT	acute	chronic		
UP	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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	Temperature °C	340	---
	Recreation E	<b>acute</b>	<b>chronic</b>		---	0.02-10 <sup>A</sup>
	Water Supply	---	5.0	D.O. (mg/L)	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Chromium VI	TVS
*Uranium(chronic) = See 32.5(3) for details.		<b>acute</b>	<b>chronic</b>		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	TVS*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	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*	Temperature °C	340	---
	Recreation E	<b>acute</b>	<b>chronic</b>		---	0.02-10 <sup>A</sup>
	Water Supply	---	5.0	D.O. (mg/L)	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---
*Selenium(acute) = See selenium assessment location at 32.6(4).		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
*Selenium(chronic) = See selenium assessment location at 32.6(4).		<b>Inorganic (mg/L)</b>			Chromium VI	TVS
*Uranium(acute) = See 32.5(3) for details.		<b>acute</b>	<b>chronic</b>		Copper	TVS
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---
*Temperature =		Boron	---	0.75	Iron(T)	---
DM=32.6 and MWAT=WS-II from 3/1-11/30		Chloride	---	250	Lead	TVS
DM=WS-II and MWAT=WS-II from 12/1-2/29		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	173*
					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

## 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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	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	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	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	---	TVS	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

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	340	---	---
	Recreation E	acute	chronic	---	0.02	
	Water Supply	---	5.0	TVS	TVS	
Qualifiers:						
Water + Fish Standards Apply						
Other:		Inorganic (mg/L)				
		acute	chronic			
	Temporary Modification(s):	TVS	TVS	TVS	TVS	TVS
	Arsenic(chronic) = hybrid	---	0.75	---	1000	
	Expiration Date of 12/31/2029	---	250	TVS	TVS	
	*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	0.019	0.011	50	---	
	*Uranium(acute) = See 32.5(3) for details.	0.005	---	TVS	TVS/WS	
	*Uranium(chronic) = See 32.5(3) for details.	10	---	---	0.01	
		---	0.5	---	150	
		---	TVS*	TVS	TVS	
		---	700	---	100	
		---	0.002	TVS	TVS	
				TVS	TVS	
				TVS	TVS	
				varies*	varies*	
				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	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		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.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
*Uranium(chronic) = See 32.5(3) for details.		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	---	0.5	Silver	TVS	TVS
		Phosphorus	---	TVS	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	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
<b>Qualifiers:</b>	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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 Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute		chronic	
Reviewable			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	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
					<b>Inorganic (mg/L)</b>		
			acute	chronic	Iron	---	WS
*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	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	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 Aq Life Warm 2 Water Supply Recreation E	DM	MWAT	acute		chronic	
UP			Temperature °C	WS-II	WS-II	Arsenic	340
			acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.					<b>Inorganic (mg/L)</b>		
			acute	chronic	Chromium VI	TVS	TVS
		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	Mercury(T)	---	0.01
		Phosphorus	---	TVS	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

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	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					<b>Inorganic (mg/L)</b>		
*Uranium(chronic) = See 32.5(3) for details.					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).					<b>Inorganic (mg/L)</b>		
*Uranium(acute) = See 32.5(3) for details.					Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.					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	---	TVS*	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

13c. All tributaries and wetlands to the Cucharas and Huerfano Rivers not on Forest Service lands, except for waterbodies in segments 13a and 13b.						
COARMA13C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Warm 2 Recreation N Water Supply	DM	MWAT	acute	chronic	
UP		Temperature °C	WS-III	WS-III	Arsenic(T)	--- 0.02-10 <sup>A</sup>
		<b>acute</b>	<b>chronic</b>	Beryllium(T)	---	4.0
		D.O. (mg/L)	---	5.0	Cadmium(T)	5.0 ---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---
<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 ---
		E. Coli (per 100 mL)	---	630	Chromium VI(T)	50 100
		Inorganic (mg/L)		Copper(T)	---	200
		acute	chronic	Iron	---	WS
		Ammonia	---	---	Lead(T)	50 100
		Boron	---	0.75	Manganese	---
		Chloride	---	250	Mercury(T)	2.0 ---
		Chlorine	---	---	Molybdenum(T)	---
		Cyanide	0.2	---	Nickel(T)	---
		Nitrate	10	---	Nickel(T)	---
		Nitrite	1.0	---	Selenium(T)	---
		Phosphorus	---	TVS*	Silver(T)	---
		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 Aq Life Warm 1 Water Supply Recreation E	DM	MWAT	acute	chronic	
Reviewable		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>	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *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> )	---	TVS	Chromium III	---
		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	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS TVS
		Chlorine	0.019	0.011	Lead(T)	50 ---
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	TVS*	Nickel	TVS TVS
		Sulfate	---	WS	Nickel(T)	---
		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 the 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	
UP	Agriculture 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	Beryllium(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
			<b>Inorganic (mg/L)</b>		Chromium VI	TVS	TVS
			<b>acute</b>	<b>chronic</b>	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite		0.5	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS
16. Deleted.							
COARMA16	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
					acute	chronic	
<b>Qualifiers:</b>			<b>acute</b>	<b>chronic</b>			
<b>Other:</b>			<b>Inorganic (mg/L)</b>				
			<b>acute</b>	<b>chronic</b>			

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		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
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
<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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					<b>Inorganic (mg/L)</b>		
*Uranium(chronic) = See 32.5(3) for details.						<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	Nickel(T)	---	100
		Phosphorus	---	TVS	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		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
Reviewable	Aq Life Warm 1	Temperature °C	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	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> )	---	TVS	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid					<b>Inorganic (mg/L)</b>		
Expiration Date of 12/31/2029						<b>acute</b>	<b>chronic</b>
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Copper	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		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	Mercury(T)	---	0.01
		Phosphorus	---	TVS	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	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

18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to the 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)		
Designation	Agriculture	DM	MWAT	acute      chronic			
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340      ---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	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> )	---	TVS	Chromium III	---	TVS
		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	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)		
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:	*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	Cadmium(T)	5.0      ---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Nitrogen	---	TVS	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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):		chlorophyll a (ug/L)		TVS	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
Expiration Date of 12/31/2029					Iron	---	WS
*chlorophyll a (ug/L)(chronic) = See assessment location at 32.6(4). *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=23.6 from 4/1-12/31		Inorganic (mg/L)			Iron(T)	---	1000
			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	---	0.05	Selenium	TVS	TVS
		Nitrogen	---	---	Silver	TVS	TVS(tr)
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc	TVS	TVS
		Sulfide	---	0.002			

  

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)	---	TVS	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2029			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		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	Molybdenum(T)	---	150
		Nitrogen	---	TVS	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	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	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>  <b>Other:</b>  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	Water Supply			D.O. (mg/L)	---	6.0	
				D.O. (spawning)	---	7.0	
				pH	6.5 - 9.0	---	
				chlorophyll a (ug/L)	---	TVS	
				E. Coli (per 100 mL)	---	126	
			Inorganic (mg/L)				
			acute	chronic	Iron	---	WS
			TVS	TVS	Iron(T)	---	1000
			---	0.75	Lead	TVS	TVS
			---	250	Lead(T)	50	---
			0.019	0.011	Manganese	TVS	TVS/WS
			0.005	---	Mercury(T)	---	0.01
			10	---	Molybdenum(T)	---	150
			---	0.05	Nickel	TVS	TVS
			---	TVS	Nickel(T)	---	100
		---	TVS	Selenium	TVS	TVS	
		---	WS	Silver	TVS	TVS(tr)	
		---	0.002	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	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>  <b>Other:</b>  *Classification: DUWS applies to Beckwith Reservoir. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	Water Supply			D.O. (mg/L)	---	6.0	
	DUWS*			D.O. (spawning)	---	7.0	
				pH	6.5 - 9.0	---	
				chlorophyll a (ug/L)	---	DUWS	
				chlorophyll a (ug/L)	---	TVS	
				E. Coli (per 100 mL)	---	126	
			Inorganic (mg/L)				
			acute	chronic	Iron	---	WS
			TVS	TVS	Iron(T)	---	1000
			---	0.75	Lead	TVS	TVS
			---	250	Lead(T)	50	---
			0.019	0.011	Manganese	TVS	TVS/WS
			0.005	---	Mercury(T)	---	0.01
			10	---	Molybdenum(T)	---	150
			---	0.05	Nickel	TVS	TVS
		---	TVS	Nickel(T)	---	100	
		---	TVS	Selenium	TVS	TVS	
		---	WS	Silver	TVS	TVS(tr)	
		---	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

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 Recreation E Water Supply	CL	CL	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details.	*Uranium(chronic) = See 32.5(3) for details.	D.O. (spawning)	---	7.0	5.0	---	
		pH	6.5 - 9.0	---	---	TVS	
		chlorophyll a (ug/L)	---	TVS	50	---	
		E. Coli (per 100 mL)	---	126	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	---	1000	
		Chloride	---	250	Lead	TVS	
		Chlorine	0.019	0.011	TVS	TVS	
		Cyanide	0.005	---	Lead(T)	50	
		Nitrate	10	---	Manganese	TVS	
		Nitrite	---	0.05	TVS	TVS/WS	
		Nitrogen	---	TVS	Mercury(T)	---	
		Phosphorus	---	TVS	---	0.01	
		Sulfate	---	WS	Molybdenum(T)	---	
		Sulfide	---	0.002	Nickel	TVS	
					Nickel(T)	---	
					Selenium	TVS	
					Silver	TVS	
					Uranium	varies*	
					Zinc	varies*	

  

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 Recreation E Water Supply	CL	CL	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details.	*Uranium(chronic) = See 32.5(3) for details.	D.O. (spawning)	---	7.0	5.0	---	
		pH	6.5 - 9.0	---	---	TVS	
		chlorophyll a (ug/L)	---	TVS	50	---	
		E. Coli (per 100 mL)	---	126	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	---	1000	
		Chloride	---	250	Lead	TVS	
		Chlorine	0.019	0.011	TVS	TVS	
		Cyanide	0.005	---	Lead(T)	50	
		Nitrate	10	---	Manganese	TVS	
		Nitrite	---	0.05	TVS	TVS/WS	
		Nitrogen	---	TVS	Mercury(T)	---	
		Phosphorus	---	TVS	---	0.01	
		Sulfate	---	WS	Molybdenum(T)	---	
		Sulfide	---	0.002	Nickel	TVS	
					Nickel(T)	---	
					Selenium	TVS	
					Silver	TVS	
					Uranium	varies*	
					Zinc	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 Middle Arkansas River Basin

26. Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake.						
COARMA26	Classifications	Physical and Biological			Metals (ug/L)	
<b>Designation</b>	Agriculture		<b>DM</b>	<b>MWAT</b>		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS
	DUWS	D.O. (spawning)	---	7.0	Cadmium(T)	5.0
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---
<b>Other:</b>		chlorophyll a (ug/L)	---	DUWS	Chromium III(T)	50
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Chromium VI	TVS
*Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Copper	TVS
*Temperature =		<b>Inorganic (mg/L)</b>			Iron	---
Horseshoe DM=CLL and MWAT=CLL from 1/1-			<b>acute</b>	<b>chronic</b>	Iron(T)	---
3/31, DM= CLL and MWAT=18.8 from 4/1-12/31.		Ammonia	TVS	TVS	Lead	TVS
Martin DM=CLL and MWAT=CLL from 1/1-3/31,		Boron	---	0.75	Lead(T)	50
DM= CLL and MWAT=21.7 from 4/1-12/31.		Chloride	---	250	Manganese	TVS
Walsenburg DM=CL and MWAT=CL		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	---	0.05	Nickel(T)	---
		Nitrogen	---	TVS	Selenium	TVS
		Phosphorus	---	TVS	Silver	TVS
		Sulfate	---	WS	Uranium	varies*
		Sulfide	---	0.002	Zinc	TVS
27. Deleted.						
COARMA27	Classifications	Physical and Biological			Metals (ug/L)	
<b>Designation</b>			<b>DM</b>	<b>MWAT</b>		
			<b>acute</b>	<b>chronic</b>		
<b>Qualifiers:</b>			<b>acute</b>	<b>chronic</b>		
<b>Other:</b>		<b>Inorganic (mg/L)</b>				
			<b>acute</b>	<b>chronic</b>		

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		DM	MWAT		acute	chronic			
Reviewable	Agriculture								
	Aq Life Warm 1	WL	WL	Arsenic	340	---			
	Recreation E	acute	chronic	Arsenic(T)	---	0.02			
	Water Supply			D.O. (mg/L)	---	5.0			
<b>Qualifiers:</b>				pH	6.5 - 9.0	---			
<b>Other:</b>  *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.				chlorophyll a (ug/L)	---	TVS			
				E. Coli (per 100 mL)	---	126			
				<b>Inorganic (mg/L)</b>					
				acute	chronic	Chromium III	---	TVS	
				Ammonia	TVS	TVS	Chromium III(T)	50	---
				Boron	---	0.75	Chromium VI	TVS	TVS
				Chloride	---	250	Copper	TVS	TVS
				Chlorine	0.019	0.011	Iron	---	WS
				Cyanide	0.005	---	Iron(T)	---	1000
				Nitrate	10	---	Lead	TVS	TVS
				Nitrite	---	0.5	Lead(T)	50	---
				Phosphorus	---	---	Manganese	TVS	TVS/WS
				Sulfate	---	WS	Mercury(T)	---	0.01
				Sulfide	---	0.002	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

## 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		DM	MWAT			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	acute 340	chronic ---
Qualifiers:		D.O. (mg/L)	acute ---	chronic 6.0	Arsenic(T)	---	0.02
Other:	pH	6.5 - 9.0	---	---	Chromium III	---	TVS
Temporary Modification(s):	chlorophyll a (mg/m <sup>2</sup> )	---	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid	E. Coli (per 100 mL)	---	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	TVS	Lead	TVS	TVS
	Boron	---	---	0.75	Lead(T)	50	---
	Chloride	---	---	250	Manganese	TVS	TVS/WS
	Chlorine	0.019	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	---	---	TVS	Selenium	TVS	TVS
	Sulfate	---	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
1b. Severy Creek, including all tributaries and wetlands, 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		DM	MWAT			
OW	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	acute 340	chronic ---
Qualifiers:		D.O. (mg/L)	acute ---	chronic 6.0	Arsenic(T)	---	0.02
Other:	pH	6.5 - 9.0	---	---	Chromium III	---	TVS
*Uranium(acute) = See 32.5(3) for details.	chlorophyll a (mg/m <sup>2</sup> )	---	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.	E. Coli (per 100 mL)	---	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		<b>Inorganic (mg/L)</b>			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
	Ammonia	TVS	TVS	TVS	Lead	TVS	TVS
	Boron	---	---	0.75	Lead(T)	50	---
	Chloride	---	---	250	Manganese	TVS	TVS/WS
	Chlorine	0.019	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	---	---	TVS	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

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.							
COARF002A	Classifications	Physical and Biological			Metals (ug/L)		
Designation Reviewable	Agriculture Aq Life Warm 2 Recreation E Water Supply		DM	MWAT			
		Temperature °C	WS-II	WS-II	acute	chronic	
			acute	chronic			
Qualifiers:		D.O. (mg/L)	---	5.0	TVS	TVS	
Other:		pH	6.5 - 9.0	---	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> )	---	TVS	---	TVS	
		E. Coli (per 100 mL)	---	126	---	50	---
		<b>Inorganic (mg/L)</b>					
			acute	chronic			
		Ammonia	TVS	TVS	TVS	TVS	TVS
		Boron	---	0.75	---	---	WS
		Chloride	---	250	---	---	1000
		Chlorine	0.019	0.011	TVS	TVS	TVS
		Cyanide	0.005	---	---	---	TVS/WS
		Nitrate	10	---	---	---	0.01
		Nitrite	---	0.5	---	---	150
		Phosphorus	---	---	TVS	TVS	TVS
		Sulfate	---	WS	---	---	100
		Sulfide	---	0.002	TVS	TVS	TVS
		Selenium	---	---	TVS	TVS	TVS
		Silver	---	---	TVS	TVS	TVS
		Uranium	varies*	varies*	---	---	---
		Zinc	---	---	TVS	TVS	TVS
2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.							
COARF002B	Classifications	Physical and Biological			Metals (ug/L)		
Designation Reviewable	Agriculture Aq Life Warm 2 Recreation E Water Supply		DM	MWAT			
		Temperature °C	WS-II	WS-II	acute	chronic	
			acute	chronic			
Qualifiers:		D.O. (mg/L)	---	5.0	TVS	TVS	
Other:		pH	6.5 - 9.0	---	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> )	---	TVS	---	TVS	
		E. Coli (per 100 mL)	---	126	---	50	---
		<b>Inorganic (mg/L)</b>					
			acute	chronic			
		Ammonia	TVS	TVS	TVS	TVS	TVS
		Boron	---	0.75	---	---	3300
		Chloride	---	250	---	---	TVS
		Chlorine	0.019	0.011	TVS	TVS	TVS
		Cyanide	0.005	---	---	---	TVS/WS
		Nitrate	10	---	---	---	0.01
		Nitrite	---	0.5	---	---	150
		Phosphorus	---	---	TVS	TVS	TVS
		Sulfate	---	485	---	---	100
		Sulfide	---	0.002	TVS	TVS	28.1
		Selenium	---	---	TVS	TVS	TVS
		Silver	---	---	TVS	TVS	TVS
		Uranium	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

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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Bear Creek, including all tributaries and wetlands, 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
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		<b>Inorganic (mg/L)</b>			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	Nickel(T)	---	100
		Phosphorus	---	TVS	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	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		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
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		<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	---	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	Silver	TVS	TVS
		Phosphorus	---	TVS*	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	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 <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> )	---	TVS	Chromium III	---	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.			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	Molybdenum(T)	---	150
		Phosphorus	---	TVS*	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	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>	
Water Supply	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
	pH	6.5 - 9.0	---	---	Cadmium(T)	5.0	---
<b>Qualifiers:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
<b>Other:</b>		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Copper	TVS	TVS	
*Uranium(chronic) = See 32.5(3) for details.		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	Molybdenum(T)	---	150
		Phosphorus	---	TVS*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

4d. All tributaries to Fountain Creek from South Academy Blvd (CO83) to below the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including all wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries to 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	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Water Supply	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
	pH	6.5 - 9.0	---	---	Chromium III	TVS	TVS
<b>Qualifiers:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
<b>Other:</b>		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 32.5(3) for details.		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	Silver	TVS	TVS
		Phosphorus	---	TVS*	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

4e. All tributaries to Fountain Creek, including all 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.

COARFO04E	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)	---	0.02-10 <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>  *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> )	---	TVS	Chromium III	---	TVS
		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
				Uranium	varies*	varies*	
				Zinc	TVS	TVS	

5a. Jimmy Camp Creek, including all tributaries and wetlands, from the source to Old Pueblo Road (38.673200, -104.696739). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek.

COARFO05A	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>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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> )	---	TVS	Chromium III	---	TVS
		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS*	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

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 Aq Life Warm 1 Recreation N	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Other:	D.O. (mg/L) --- 5.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- --- E. Coli (per 100 mL) --- 630 Inorganic (mg/L) acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- --- Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 100 --- Nitrite --- 0.5 Phosphorus --- TVS Sulfate --- --- Sulfide --- 0.002	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	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	Silver	TVS	TVS
		Phosphorus	---	TVS	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
	Sulfide	---	0.002				
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 Aq Life Warm 2 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02-10 <sup>A</sup>	
Other:	D.O. (mg/L) --- 5.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m <sup>2</sup> ) --- TVS E. 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 --- 0.5 Phosphorus --- TVS* Sulfate --- WS Sulfide --- 0.002	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> )	---	TVS	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			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	TVS/WS
		Nitrite	---	0.5	Mercury(T)	---	0.01
		Phosphorus	---	TVS*	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 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 Aq Life Warm 2 Recreation E Water Supply	Temperature °C	WL	WL	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>Water + Fish Standards Apply</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>		chlorophyll a (ug/L)	---	TVS	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		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	---	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

  

7b. Prospect Lake, Quail Lake, and Monument Lake.							
COARFO07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
UP	Agriculture Aq Life Warm 2 Recreation E	Temperature °C	WL	WL	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>Fish Ingestion Standards Apply</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	---	100
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		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(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	Silver	TVS	TVS
		Nitrogen	---	TVS	Uranium	varies*	varies*
		Phosphorus	---	TVS	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

## 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 Aq Life Cold 1 Recreation E Water Supply DUWS*	DM	MWAT	acute	chronic		
Reviewable		acute	chronic				
		Temperature °C	CL	CL	Arsenic	340	---
					Arsenic(T)	---	0.02
		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)	---	DUWS	Chromium III(T)	50	---
		chlorophyll a (ug/L)	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	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	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS
9. North Catamount Reservoir, South Catamount Reservoir, and Crystal Creek Reservoir.							
COARFO09	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				
		Temperature °C	CLL	CLL	Arsenic	340	---
					Arsenic(T)	---	0.02
		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)	---	DUWS	Chromium III(T)	50	---
		chlorophyll a (ug/L)	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	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	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	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

## 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	Agriculture	DM	MWAT	acute	chronic		
Reviewable	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)	---	DUWS	Chromium III(T)	50	---
*Classification: DUWS applies to Rampart Reservoir. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	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	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

11. AFA Non Potable Reservoir #1 (38.70939, -104.82928). 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, except for lakes and reservoirs within the boundaries of the National Forest, other lakes on Air Force Academy lands, and the waterbodies in segments 7a and 7b.

COARFO11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	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)	---	DUWS	Chromium III	---	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---
*Classification: DUWS applies to Lower Reservoir, Keeton Reservoir, Unknown Reservoir at 38.70939, -104.82928, Gold Camp Reservoir, and South Suburban Reservoir. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		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	---	0.5	Nickel	TVS	TVS
		Nitrogen	---	TVS	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS
		Sulfide	---	---	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*	340	---		
		acute	chronic	---	0.02-10 <sup>A</sup>		
Qualifiers:		D.O. (mg/L)	---	5.0	TVS	TVS	
Other:		pH	6.5 - 9.0	---	5.0	---	
Discharger Specific Variance(s): Selenium(ac/ch) = See Section 32.6(6) for details on the variance for the City of Pueblo. Expiration Date of 12/31/2028 Sulfate(chronic) = See Section 32.6(6) for details on the variance for the City of Pueblo. Expiration Date of 12/31/2028 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=WS-II and MWAT=WS-II from 1/1-11/30 DM= 21.5 and MWAT=20.7 from 12/1-12/31		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	---	TVS	
		E. Coli (per 100 mL)	---	126	50	---	---
		Inorganic (mg/L)			---	---	TVS
		acute	chronic	TVS	TVS	TVS	TVS
		Ammonia	TVS	TVS	---	WS	
		Boron	---	0.75	---	2800	
		Chloride	---	250	TVS	TVS	
		Chlorine	0.019	0.011	50	---	
		Cyanide	0.005	---	TVS	TVS/WS	
		Nitrate	10	---	---	0.01	
		Nitrite	---	0.5	---	150	
		Phosphorus	---	---	TVS	TVS	
		Sulfate	---	329	---	100	
		Sulfide	---	0.002	19.1	14.1	
		Silver	TVS	TVS	varies*	varies*	
Uranium	varies*	varies*	TVS	TVS			
Zinc	TVS	TVS	TVS	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	340	---		
		acute	chronic	---	0.02		
Qualifiers:		D.O. (mg/L)	---	5.0	TVS	TVS	
Water + Fish Standards Apply		pH	6.5 - 9.0	---	5.0	---	
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	---	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 Discharger Specific Variance(s): Selenium(chronic) = See Section 32.6(6) for details on the variance for the City of Las Animas. Expiration Date of 12/31/2025 Selenium(ac/ch) = See Section 32.6(6) for details on the variance for the City of La Junta. Expiration Date of 12/31/2026. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	50	---	
		Inorganic (mg/L)			---	---	TVS
		acute	chronic	TVS	TVS	TVS	TVS
		Ammonia	TVS	TVS	---	WS	
		Boron	---	0.75	---	1950	
		Chloride	---	250	TVS	TVS	
		Chlorine	0.019	0.011	50	---	
		Cyanide	0.005	---	TVS	TVS/WS	
		Nitrate	10	---	---	0.01	
		Nitrite	---	0.5	---	150	
		Phosphorus	---	---	TVS	TVS	
		Sulfate	---	902	---	100	
		Sulfide	---	0.002	TVS	TVS	
		Silver	TVS	TVS	varies*	varies*	
		Uranium	varies*	varies*	TVS	TVS	
Zinc	TVS	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

## 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 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
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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/190
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	1900	Nickel(T)	---	100
		Sulfide	---	0.002	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 Recreation N Water Supply	Temperature °C	WS-III	WS-III	Arsenic	340	---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>
		D.O. (mg/L)	---	5.0	Beryllium(T)	---	4.0
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	630	Chromium III	---	TVS
			<b>Inorganic (mg/L)</b>		Chromium III(T)	50	---
			<b>acute</b>	<b>chronic</b>	Chromium VI	TVS	TVS
		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	Mercury(T)	---	0.01
		Phosphorus	---	TVS*	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

## 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
		<b>acute</b>	<b>chronic</b>		Cadmium(T)	---	50
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Chromium III	TVS	TVS
<b>Livestock Watering Only</b>		pH	6.5 - 9.0	---	Chromium III(T)	---	1000
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Copper(T)	---	500
*Uranium(acute) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Iron	---	---
*Uranium(chronic) = See 32.5(3) for details.		<b>acute</b>	<b>chronic</b>		Lead(T)	---	100
		Ammonia	---	---	Manganese	---	---
		Boron	---	5.0	Mercury(T)	---	10
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel	---	---
		Cyanide	0.2	---	Selenium(T)	---	50
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	TVS*	Zinc(T)	---	25000
		Sulfate	---	---			
		Sulfide	---	---			

  

2c. Mainstem of Wildhorse Creek, including all tributaries and wetlands, 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
		<b>acute</b>	<b>chronic</b>		Beryllium(T)	---	100
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium(T)	---	50
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
*Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	630	Chromium VI(T)	---	100
		<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)	---	50
		Nitrite	10	---	Silver	---	---
		Phosphorus	---	TVS	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

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 Aq Life Warm 2 Recreation N		DM	MWAT			
UP		Temperature °C	WS-III	WS-III	Arsenic	acute	chronic
Qualifiers:			acute	chronic	Arsenic(T)	---	100
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.	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---	100
		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	---	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	Silver	TVS	TVS
		Phosphorus	---	TVS*	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 Aq Life Cold 1 Recreation E Water Supply		DM	MWAT			
Reviewable		Temperature °C	CS-II	CS-II	Arsenic	acute	chronic
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029 *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	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	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

3b. Mainstem of West Torino Canyon Creek, North Fork Trujillo Creek, Middle Fork Trujillo Creek and mainstem 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 and wetlands, from the sources to the confluences with the Apishapa River, except for the waterbodies 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		acute	chronic	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	---
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	630	Chromium VI(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			Copper(T)	---	200
			acute	chronic	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	---	TVS	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc(T)	---	2000
		Sulfide	---	0.05			

3c. The mainstem of Jarosa Canyon Creek, including all tributaries and wetlands, 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		acute	chronic	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
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	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

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 Aq Life Warm 1 Recreation E Water Supply		DM	MWAT		acute	chronic
UP			Temperature °C	WS-II	WS-II	Arsenic	340
			acute	chronic	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> )	---	TVS	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
Expiration Date of 12/31/2029			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS	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 Aq Life Warm 2 Recreation E		DM	MWAT		acute	chronic
UP			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.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
*Uranium(chronic) = See 32.5(3) for details.		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	---	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	Silver	TVS	TVS
		Phosphorus	---	TVS	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		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	Nickel(T)	---	100
		Phosphorus	---	TVS*	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

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	Agriculture Aq Life Cold 2 Recreation E Water Supply	DM	MWAT		acute	chronic	
UP		CS-II	CS-II	Temperature °C	---	0.02-10 <sup>A</sup>	
		acute	chronic				
		---	6.0	D.O. (mg/L)	TVS	TVS	
		---	7.0	D.O. (spawning)	5.0	---	
		6.5 - 9.0	---	pH	---	TVS	
		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---	
		---	126	E. Coli (per 100 mL)	TVS	TVS	
		Inorganic (mg/L)					
		acute	chronic				
		TVS	TVS	Ammonia	---	1000	
		---	2.0	Boron	TVS	TVS	
		---	250	Chloride	50	---	
		0.019	0.011	Chlorine	TVS	TVS/WS	
		0.005	---	Cyanide	---	0.01	
		10	---	Nitrate	---	150	
		---	0.5	Nitrite	TVS	TVS	
		---	---	Phosphorus	---	100	
		---	WS	Sulfate	TVS	TVS	
		---	0.002	Sulfide	varies*	varies*	
				Zinc	TVS	TVS	
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	Agriculture Aq Life Warm 1 Water Supply Recreation E	DM	MWAT		acute	chronic	
Reviewable		WS-II	WS-II	Temperature °C	340	---	
		acute	chronic				
		---	5.0	D.O. (mg/L)	---	0.02	
		6.5 - 9.0	---	pH	TVS	TVS	
		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---	
		---	126	E. Coli (per 100 mL)	TVS	TVS	
		Inorganic (mg/L)					
		acute	chronic				
		TVS	TVS	Ammonia	TVS	TVS	
		---	0.75	Boron	---	1000	
		---	250	Chloride	TVS	TVS	
		0.019	0.011	Chlorine	50	---	
		0.005	---	Cyanide	TVS	TVS/WS	
		10	---	Nitrate	---	0.01	
		---	0.5	Nitrite	---	150	
		---	---	Phosphorus	TVS	TVS	
		---	WS	Sulfate	---	100	
		---	0.002	Sulfide	TVS	TVS	
				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 and wetlands.							
COARLA08	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> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	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)		
Designation	Agriculture	DM	MWAT	acute      chronic			
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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 (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	TVS	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 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> )	---	TVS	Chromium III	---	TVS
<b>Other:</b>		E. Coli (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 12/31/2029		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	Molybdenum(T)	---	150
		Phosphorus	---	TVS	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, Lake Hasty, 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 (ug/L)	---	TVS	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
Expiration Date of 12/31/2029			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		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	Molybdenum(T)	---	150
		Nitrogen	---	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	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

11. John Martin Reservoir.							
COARLA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Warm 1 Recreation E Water Supply	WL	WL	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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)	---	TVS	Chromium III	---	TVS
		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
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	---	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 Recreation E	WL	WL	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
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	TVS
		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	---	100
		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	---	0.5	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
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	---	100
*Uranium(chronic) = See 32.5(3) for details.		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(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	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
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		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	---	0.05	Nickel	TVS	TVS
		Nitrogen	---	TVS	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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 Dorothy.

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>		D.O. (mg/L)	---	6.0	Chromium III	---	TVS
<b>Other:</b>		D.O. (spawning)	---	7.0	Chromium III(T)	50	---
*Classification: DUWS applies to Monument Lake and North Lake.		pH	6.5 - 9.0	---	Chromium VI	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	DUWS	Copper	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Iron	---	WS
*Temperature = Trinidad Reservoir (CLL)		E. Coli (per 100 mL)	---	126	Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Lead(T)	50	---
		Ammonia	TVS	TVS	Manganese	TVS	TVS/WS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	250	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Nitrogen	---	TVS	Uranium	varies*	varies*
		Phosphorus	---	TVS	Zinc	TVS	TVS
		Sulfate	---	WS			
		Sulfide	---	0.002			

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>		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10
<b>Other:</b>		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)	---	100
*Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	TVS	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	126	Copper(T)	---	200
		Inorganic (mg/L)			Iron	---	---
		acute	chronic		Lead(T)	---	100
		Ammonia	---	---	Manganese	---	---
		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*	varies*
		Nitrogen	---	TVS	Zinc(T)	---	2000
		Phosphorus	---	TVS			
		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

## 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		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Cold 2	CL	CL	Arsenic(T)	---	0.02-10 <sup>A</sup>	
	Recreation E	<b>acute</b>	<b>chronic</b>	Beryllium(T)	---	4.0	
	Water Supply			Cadmium(T)	5.0	---	
<b>Qualifiers:</b>				D.O. (mg/L)	---	6.0	
<b>Other:</b>				D.O. (spawning)	---	7.0	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		6.5 - 9.0	---	pH			
		---	TVS	chlorophyll a (ug/L)			
		---	126	E. Coli (per 100 mL)			
		Inorganic (mg/L)					
		<b>acute</b>	<b>chronic</b>				
		---	---	Ammonia			
		---	0.75	Boron			
		---	250	Chloride			
		---	---	Chlorine			
		0.2	---	Cyanide			
		10	---	Nitrate			
		---	0.05	Nitrite			
		---	TVS	Nitrogen			
		---	TVS	Phosphorus			
		---	WS	Sulfate			
---	0.05	Sulfide					
				Iron	---	WS	
				Lead(T)	50	100	
				Manganese	---	WS	
				Mercury(T)	2.0	---	
				Molybdenum(T)	---	150	
				Nickel(T)	---	100	
				Nickel(T)	---	100	
				Selenium(T)	---	20	
				Silver(T)	100	---	
				Uranium	varies*	varies*	
				Zinc(T)	---	2000	

  

18. All lakes and reservoirs tributary to Ricardo Creek in Colorado (Costilla and Las Animas Counties). All lakes and reservoirs tributary to the Canadian River.							
COARLA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Reviewable	Agriculture						
	Aq Life Cold 1	CL	CL	Arsenic	340	---	
	Recreation E	<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02	
	Water Supply			Cadmium	TVS	TVS	
<b>Qualifiers:</b>				D.O. (mg/L)	---	6.0	
<b>Other:</b>				D.O. (spawning)	---	7.0	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		6.5 - 9.0	---	pH			
		---	TVS	chlorophyll a (ug/L)			
		---	126	E. Coli (per 100 mL)			
		Inorganic (mg/L)					
		<b>acute</b>	<b>chronic</b>				
		TVS	TVS	Ammonia			
		---	0.75	Boron			
		---	250	Chloride			
		0.019	0.011	Chlorine			
		0.005	---	Cyanide			
		10	---	Nitrate			
		---	0.05	Nitrite			
		---	TVS	Nitrogen			
		---	TVS	Phosphorus			
		---	WS	Sulfate			
---	0.002	Sulfide					
				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

## Cimarron River Basin

1. Mainstem of the Cimarron River, including all tributaries and wetlands, in Las Animas, Baca, and Prowers Counties, except for the waterbodies 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>	*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)	---	100	
		E. Coli (per 100 mL)	---	630	Chromium VI(T)	---	100	
			<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	---	TVS	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc(T)	---	2000	
		Sulfide	---	---				
2. Mainstem of North Carrizo Creek from the source to the Colorado/Oklahoma state line. Mainstem of East Carrizo Creek and West Carrizo Creek to the confluence with North Carrizo Creek. Mainstem of Cottonwood Creek and Tecolote Creek to the confluence with West Carrizo Creek.								
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>	*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> )	---	TVS	Chromium III(T)	---	100	
		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(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	Silver	TVS	TVS	
		Phosphorus	---	TVS	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	Recreation E Agriculture Aq Life Warm 2	WL	WL	Temperature °C	340	---
		acute	chronic	Arsenic(T)	---	7.6
<b>Qualifiers:</b>		---	5.0	D.O. (mg/L)	TVS	TVS
<b>Fish Ingestion Standards Apply</b>		6.5 - 9.0	---	pH	TVS	TVS
<b>Other:</b>		---	TVS	chlorophyll a (ug/L)	---	100
*Uranium(acute) = See 32.5(3) for details.		---	126	E. Coli (per 100 mL)	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		<b>Inorganic (mg/L)</b>			TVS	TVS
		acute	chronic		TVS	TVS
		TVS	TVS	Ammonia	TVS	TVS
		---	0.75	Boron	TVS	TVS
		---	---	Chloride	---	0.01
		0.019	0.011	Chlorine	---	150
		0.005	---	Cyanide	TVS	TVS
		100	---	Nitrate	TVS	TVS
		---	0.5	Nitrite	TVS	TVS
		---	TVS	Nitrogen	varies*	varies*
		---	TVS	Phosphorus	TVS	TVS
		---	---	Sulfate		
		---	0.002	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.

## **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.*