

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

**5 CCR 1002-32**

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

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

Effective 06/30/2017

# 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			DM	MWAT			
					acute	chronic	
OW	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---	---
			acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	160
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

  

1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.							
COARUA01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
					acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---	---
			acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	210
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.

COARUA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	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	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
*Designation: 9/30/00 Base-line does not apply		pH	6.5 - 9.0	---	Cadmium	---	SSE*
*Cadmium(acute) = 1.136672- (ln(hardness)*0.041838)*e^(0.9151*ln(hardness)-3.6236)		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	SSE*	---
*Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)					Chromium III(T)	---	100
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		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	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	---	SSE*
					Zinc	SSE*	---

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 details on TVS, TVS(tr), WS, temperature standards.

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2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.						
COARUA02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable*	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I CS-I	Aluminum	---	---
			acute chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	SSE*
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium III(T)	---
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	SSE*
					Zinc	---
					Zinc	SSE*

3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.						
COARUA03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II CS-II	Aluminum	---	---
			acute chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
					Chromium III(T)	---
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
					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 details on TVS, TVS(tr), WS, temperature standards.

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4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.								
COARUA04A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT				
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	11/1 - 3/31	CS-II	CS-II	acute	chronic	
		Temperature °C	4/1 - 10/31	24.8	22.1	Aluminum	---	---
Qualifiers:			acute	chronic		Arsenic	340	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021	D.O. (mg/L)	---	6.0		Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0		Beryllium	---	---
		pH	6.5 - 9.0	---		Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---		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		Manganese	TVS	TVS/WS
		Cyanide	0.005	---		Mercury	---	0.01(t)
		Nitrate	10	---		Molybdenum(T)	---	160
		Nitrite	---	0.05		Nickel	TVS	TVS
		Phosphorus	---	---		Selenium	TVS	TVS
		Sulfate	---	WS		Silver	TVS	TVS(tr)
		Sulfide	---	0.002		Uranium	---	---
			acute	chronic		Zinc	TVS	TVS
4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.								
COARUA04B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT				
Reviewable	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II		acute	chronic	
		D.O. (mg/L)	---	5.0		Aluminum	---	---
Qualifiers:		pH	6.5 - 9.0	---		Arsenic	340	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021	chlorophyll a (mg/m <sup>2</sup> )	---	---		Arsenic(T)	---	0.02
		E. Coli (per 100 mL)	---	126		Beryllium	---	---
		Inorganic (mg/L)				Cadmium	TVS	TVS
			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		Manganese	TVS	TVS/WS
		Phosphorus	---	---		Mercury	---	0.01(t)
		Sulfate	---	WS		Molybdenum(T)	---	160
		Sulfide	---	0.002		Nickel	TVS	TVS
			acute	chronic		Selenium	TVS	TVS
		Ammonia	TVS	TVS		Silver	TVS	TVS
		Boron	---	0.75		Uranium	---	---
		Chloride	---	250		Zinc	TVS	TVS
		Chlorine	0.019	0.011				
		Cyanide	0.005	---				
		Nitrate	10	---				
		Nitrite	---	0.5				
		Phosphorus	---	---				
		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 details on TVS, TVS(tr), WS, temperature standards.

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5. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 6 through 12b.

COARUA05	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	Aluminum	---	---			
			acute chronic	Arsenic	340	---			
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02		
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---		
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS		
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---		
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS		
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).					<b>Inorganic (mg/L)</b>	Copper	TVS TVS		
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).						acute chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000		
		Boron	---	0.75	Lead	TVS	TVS		
		Chloride	---	250	Manganese	TVS	TVS/WS		
		Chlorine	0.019	0.011	Mercury	---	0.01(t)		
		Cyanide	0.005	---	Molybdenum(T)	---	160		
		Nitrate	10	---	Nickel	TVS	TVS		
		Nitrite	---	0.05	Selenium	TVS	TVS		
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)		
		Sulfate	---	WS	Uranium	---	---		
		Sulfide	---	0.002	Zinc	TVS	TVS		

6. Mainstem of California Gulch, including all tributaries, from the source to the confluence with the Arkansas River. Mainstem of St. Kevin's Gulch from the source to the confluence with Tennessee Creek.

COARUA06	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Recreation N							
<b>Qualifiers:</b>								
<b>Other:</b>		D.O. (mg/L)	---	---	Aluminum	---	---	
		pH	---	---	Arsenic	---	---	
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Beryllium	---	---	
		E. Coli (per 100 mL)	---	630	Cadmium	---	---	
					Chromium III	---	---	
					Chromium VI	---	---	
					<b>Inorganic (mg/L)</b>	Copper	---	
						acute chronic	Iron	---
		Ammonia	---	---	Lead	---	---	
		Boron	---	---	Manganese	---	---	
		Chloride	---	---	Mercury	---	---	
		Chlorine	---	---	Molybdenum(T)	---	---	
		Cyanide	---	---	Nickel	---	---	
		Nitrate	---	---	Selenium	---	---	
		Nitrite	---	---	Silver	---	---	
		Phosphorus	---	---	Uranium	---	---	
		Sulfate	---	---	Zinc	---	---	
		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 details on TVS, TVS(tr), WS, temperature standards.

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7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.							
COARUA07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---	
Qualifiers:		acute	chronic	Arsenic	340	---	
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		D.O. (spawning)	---	7.0	Beryllium	---	
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	0.002	Uranium	---	---	
				Zinc	TVS	TVS	
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 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Aluminum	---	
Qualifiers:		acute	chronic	Arsenic	340	---	
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		D.O. (spawning)	---	7.0	Beryllium	---	
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	0.002	Uranium	---	---	
				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 details on TVS, TVS(tr), WS, temperature standards.

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## Upper Arkansas River Basin

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).

COARUA08B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Aluminum	---	---
			acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	SSE*	TVS
Cadmium(chronic) = 1.6		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	TVS	TVS
Zinc(acute) = 754		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
Zinc(chronic) = 505					Chromium VI	TVS	TVS
Expiration Date of 12/31/2018		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
temperature(DM) = No acute standard	11/1 - 3/31		acute	chronic	Iron(T)	---	1000
temperature(MWAT) = 14	11/1 - 3/31	Ammonia	TVS	TVS	Lead	TVS	TVS
Expiration Date of 12/31/2017		Boron	---	0.75	Manganese	TVS	TVS
*Cadmium(acute) = (1.136672- [ln(hardness)*0.041838]*e^(0.9789*ln(hardness)- 3.5146)		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	160
		Cyanide	---	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

9. Mainstem of Iowa Gulch from a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch) to the confluence with the Arkansas River.

COARUA09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	CS-I	CS-I	Aluminum	---	---
			acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
*Cadmium(acute) = (1.136672- [ln(hardness)*0.041838]*e^(0.9789*ln(hardness)- 3.5146)		pH	6.5 - 9.0	---	Cadmium	SSE*	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		<b>Inorganic (mg/L)</b>			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	160
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

10. Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.							
COARUA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---	---
		acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	14.6	10.6	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
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	750	---
		acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	5.0-9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	---	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

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

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		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
Expiration Date of 12/31/2021			<b>Inorganic (mg/L)</b>		Chromium VI	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).					Copper	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).					Iron	---
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	---	0.05	Selenium	TVS
		Phosphorus	---	0.11*	Silver	TVS
		Sulfate	---	WS	Uranium	---
		Sulfide	---	0.002	Zinc	TVS

  

12b. Mainstem of Cottonwood Creek (Chaffee County), from the source to the confluence with the Arkansas River; South Fork of the Arkansas, including all tributaries and wetlands, from the National Forest boundary to the confluence with the Arkansas River.						
COARUA12B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
Expiration Date of 12/31/2021			<b>Inorganic (mg/L)</b>		Chromium VI	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).					Copper	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).					Iron	---
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	---	0.05	Selenium	TVS
		Phosphorus	---	0.11*	Silver	TVS
		Sulfate	---	WS	Uranium	---
		Sulfide	---	0.002	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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

13. All tributaries to the Arkansas River, including wetlands, which are on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 12b, 14a, 14c and 15-27.

COARUA13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

14a. Mainstem of Big Red Creek, Little Red Creek, and Rush Creek and Hardscrabble Creek from their sources to their confluence with the Arkansas River.

COARUA14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					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	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	160
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.5	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

14b. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from the confluence with Brown's Creek to the Chaffee/Fremont County line, except for the specific listing in segment 12b.

COARUA14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021		<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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

14c. Mainstems of North and South Hardscrabble Creeks, including all tributaries and wetlands, from their sources to their confluences.

COARUA14C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	10/31 - 5/31	CS-I	CS-I	Aluminum	---	---
	Recreation E	Temperature °C	6/30 - 9/30	22.1	17	Arsenic	340	---
	Water Supply				Arsenic(T)	---	0.02	
<b>Qualifiers:</b>			acute	chronic	Beryllium	---	---	
<b>Other:</b>		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
		D.O. (spawning)	---	7.0	Chromium III	---	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	50	---	
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
		<b>Inorganic (mg/L)</b>			Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS/WS	
		Chloride	---	250	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum(T)	---	160	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	10	---	Selenium	TVS	TVS	
		Nitrite	---	0.05	Silver	TVS	TVS(tr)	
		Phosphorus	---	0.11	Uranium	---	---	
		Sulfate	---	WS	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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

14d. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from the Chaffee/Fremont County line to the inlet to Pueblo Reservoir, except for specific listings in segments 14a, 14c and 15-27.

COARUA14D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2 Recreation E	CS-II	CS-II				
Qualifiers:		acute	chronic				
		Temperature °C			Aluminum	---	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
		D.O. (spawning)	---	7.0	Beryllium(T)	---	100
		pH	6.5 - 9.0	---	Cadmium(T)	---	10
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	---	100
					Copper(T)	---	200
					Iron	---	---
		Inorganic (mg/L)			Lead(T)	---	100
		acute	chronic		Manganese	---	---
		Ammonia	---	---	Mercury	---	---
		Boron	---	0.75	Molybdenum(T)	---	160
		Chloride	---	---	Nickel(T)	---	200
		Chlorine	---	---	Selenium(T)	---	20
		Cyanide	0.2	---	Silver	---	---
		Nitrate	100	---	Uranium	---	---
		Nitrite	---	10	Zinc(T)	---	2000
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	---			

15. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for specific listings in segment 25. Mainstems of Texas, Badger, Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Mainstem of Newlin Creek from the National Forest boundary to the City of Florence water diversion.

COARUA15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I				
Qualifiers:		acute	chronic				
		Temperature °C			Aluminum	---	---
		D.O. (mg/L)	---	6.0	Arsenic	340	---
		D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02
		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS(tr)	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

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

16a. Mainstem of Middle Tallahassee Creek, including all tributaries and wetlands, from the source to the intersection with Road 23.									
COARUA16A	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---		
	Recreation E		acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02		
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---		
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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			Manganese	TVS	TVS/WS
		Cyanide	0.005	---			Mercury	---	0.01(t)
		Nitrate	10	---			Molybdenum(T)	---	160
		Nitrite	---	0.05			Nickel	TVS	TVS
		Phosphorus	---	0.11			Selenium	TVS	TVS
		Sulfate	---	WS			Silver	TVS	TVS(tr)
		Sulfide	---	0.002			Uranium	---	---
							Zinc	TVS	TVS

  

16b. Mainstem of North Tallahassee Creek, South Tallahassee Creek, Middle Tallahassee Creek, and Tallahassee Creek from their sources to a point immediately below their confluence with South Tallahassee Creek, except for the specific listing in segment 16a.									
COARUA16B	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---		
	Recreation E		acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 <sup>A</sup>		
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---		
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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			Manganese	TVS	TVS/WS
		Cyanide	0.005	---			Mercury	---	0.01(t)
		Nitrate	10	---			Molybdenum(T)	---	160
		Nitrite	---	0.05			Nickel	TVS	TVS
		Phosphorus	---	0.11			Selenium	TVS	TVS
		Sulfate	---	WS			Silver	TVS	TVS(tr)
		Sulfide	---	0.002			Uranium	---	---
							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 details on TVS, TVS(tr), WS, temperature 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		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Aluminum	---	---
Qualifiers:			acute	chronic	Arsenic	340	---
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

17c. Mainstem of Cottonwood Creek from F6 Road to the confluence with Currant Creek.							
COARUA17C	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	Aluminum	---	---
Qualifiers:			acute	chronic	Arsenic	340	---
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

18. Mainstem of Currant Creek (Park County), including all tributaries and wetlands, from the source to the confluence with Tallahassee Creek, except for the specific listings in 17a, 17b, and 17c.

COARUA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b> Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS	

19. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to immediately below the confluence with High Creek.

COARUA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b> Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
				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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

20a. Mainstem of Fourmile Creek, including all tributaries and wetlands, from immediately below the confluence with High Creek to a point immediately above the confluence with Long Gulch, except for the specific listing to segment 23.								
COARUA20A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	11/1 - 2/29	14.2	9.7	Aluminum	---	---
		Temperature °C	3/1 - 10/31	27.1	21	Arsenic	340	---
Qualifiers:						Arsenic(T)	---	7.6
Other:			acute	chronic		Beryllium	---	---
	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0		Chromium III	TVS	TVS
		pH	6.5 - 9.0	---		Chromium III(T)	---	100
		chlorophyll a (mg/m <sup>2</sup> )	---	150*		Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126		Copper	TVS	TVS
						Iron(T)	---	1000
		Inorganic (mg/L)				Lead	TVS	TVS
			acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS		Mercury	---	0.01(t)
		Boron	---	0.75		Molybdenum(T)	---	160
		Chloride	---	---		Nickel	TVS	TVS
		Chlorine	0.019	0.011		Selenium	TVS	TVS
		Cyanide	0.005	---		Silver	TVS	TVS(tr)
		Nitrate	100	---		Uranium	---	---
		Nitrite	---	0.05		Zinc	TVS	TVS
		Phosphorus	---	0.11*				
		Sulfate	---	---				
		Sulfide	---	0.002				
20b. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.								
COARUA20B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	11/1 - 2/29	13	9.4	Aluminum	---	---
		Temperature °C	3/1 - 10/31	28.1	22	Arsenic	340	---
Qualifiers:						Arsenic(T)	---	0.02
Other:			acute	chronic		Beryllium	---	---
	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021  *Sulfate(chronic) = Dissolved standards applicable at the point of withdraw. *Manganese(chronic) = Dissolved standards applicable at the point of withdraw.	D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0		Chromium III	---	TVS
		pH	6.5 - 9.0	---		Chromium III(T)	50	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---		Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126		Copper	TVS	TVS
						Iron	---	WS
		Inorganic (mg/L)				Iron(T)	---	1000
			acute	chronic		Lead	TVS	TVS
		Ammonia	TVS	TVS		Manganese	TVS	TVS/WS
		Boron	---	0.75		Mercury	---	0.01(t)
		Chloride	---	250		Molybdenum(T)	---	160
		Chlorine	0.019	0.011		Nickel	TVS	TVS
		Cyanide	0.005	---		Selenium	TVS	TVS
		Nitrate	10	---		Silver	TVS	TVS(tr)
		Nitrite	---	0.05		Uranium	---	---
		Phosphorus	---	---		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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---	---
		acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS(sa)	TVS(ela)	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	160
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
21b. Mainstem of Cripple Creek from a point 1.5 miles upstream to the confluence with Fourmile Creek.							
COARUA21B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-I	CS-I	Aluminum	---	---
		acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS(sp)	TVS(elp)	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	160
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

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

22a. Mainstem of Arequa Gulch from the source to the confluence with Cripple Creek.							
COARUA22A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 2 Recreation N	DM	MWAT	acute	chronic		
UP		Temperature °C	CS-II	CS-II	Aluminum	11000	11000
		acute	chronic	Arsenic	340	---	
<b>Qualifiers:</b>	D.O. (mg/L)	---	6.0	Arsenic(T)	---	100	
<b>Other:</b>	D.O. (spawning)	---	7.0	Beryllium	---	---	
	pH	6.0 - 9.0	---	Cadmium	TVS	TVS	
	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS	TVS	
	E. Coli (per 100 mL)	---	630	Chromium III(T)	---	100	
					Chromium VI	TVS	TVS
					Inorganic (mg/L)		
			acute	chronic	Copper	TVS	TVS
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	---	Manganese	5903	3674	
	Chlorine	0.019	0.011	Mercury	---	0.01(t)	
	Cyanide	0.005	---	Molybdenum(T)	---	160	
	Nitrate	100	---	Nickel	TVS	TVS	
	Nitrite	---	0.05	Selenium	TVS	TVS	
	Phosphorus	---	0.11	Silver	TVS	TVS	
	Sulfate	---	---	Uranium	---	---	
	Sulfide	---	0.002	Zinc	3500	600	

  

22b. Squaw Gulch from the source to the confluence with Cripple Creek.							
COARUA22B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 2 Recreation N	DM	MWAT	acute	chronic		
UP		Temperature °C	CS-II	CS-II	Aluminum	---	---
		acute	chronic	Arsenic(T)	---	200	
<b>Qualifiers:</b>	D.O. (mg/L)	---	6.0	Beryllium	---	---	
<b>Other:</b>	D.O. (spawning)	---	7.0	Cadmium(T)	---	50	
	pH	6.5 - 9.0	---	Chromium III(T)	---	1000	
	chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium VI(T)	---	1000	
	E. Coli (per 100 mL)	---	630	Copper(T)	---	500	
					Iron	---	---
					Inorganic (mg/L)		
			acute	chronic	Lead(T)	---	100
	Ammonia	---	---	Manganese	---	---	
	Boron	---	5.0	Mercury(T)	---	10	
	Chloride	---	---	Molybdenum(T)	---	160	
	Chlorine	---	---	Nickel	---	---	
	Cyanide	0.2	---	Selenium(T)	---	50	
	Nitrate	100	---	Silver	---	---	
	Nitrite	---	10	Uranium	---	---	
	Phosphorus	---	0.11	Zinc(T)	---	25000	
	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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (mg/L)	---	6.0	Arsenic(T)	---	100	
Other:	pH	6.5 - 9.0	---	Beryllium	---	---	
	chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS	
	Inorganic (mg/L)			Chromium III(T)	---	100	
	acute	chronic	Chromium VI	TVS	TVS		
	Ammonia	TVS	TVS	Copper	TVS	TVS	
	Boron	---	0.75	Iron(T)	---	1000	
	Chloride	---	---	Lead	TVS	TVS	
	Chlorine	---	0.011	Manganese	TVS	TVS	
	Cyanide	0.005	---	Mercury	---	0.01(t)	
	Nitrate	100	---	Molybdenum(T)	---	160	
	Nitrite	---	0.05	Nickel	TVS	TVS	
	Phosphorus	---	0.11*	Selenium	TVS	TVS	
	Sulfate	---	---	Silver	TVS	TVS	
	Sulfide	---	0.002	Uranium	---	---	
			Zinc	TVS	TVS		

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

  

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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	Qualifiers:	D.O. (spawning)	---	7.0	Beryllium	---	---
Other:	pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
	chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury	---	0.01(t)	
	Nitrate	10	---	Molybdenum(T)	---	160	
	Nitrite	---	0.05	Nickel	TVS	TVS	
	Phosphorus	---	0.11	Selenium	TVS	TVS	
	Sulfate	---	WS	Silver	TVS	TVS(tr)	
	Sulfide	---	0.002	Uranium	---	---	
			Zinc	TVS	TVS		

Temporary Modification(s):  
Arsenic(chronic) = hybrid  
Expiration Date of 12/31/2021

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 details on TVS, TVS(tr), WS, temperature standards.

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

25. Mainstem of Cottonwood Creek (Custer County) from the headwaters to Section 23, T20S, R65W.							
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	Aluminum	---	---
		acute	chronic	Arsenic			
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper			
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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	Aluminum	---	---
		acute	chronic	Arsenic			
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI			
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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.							
COARUA27	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:  Other:	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					<b>Inorganic (mg/L)</b>		
						acute	chronic
		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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	160
	Phosphorus	---	0.11	Nickel	TVS	TVS	
	Sulfate	---	WS	Selenium	TVS	TVS	
	Sulfide	---	0.002	Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS	

  

28. All lakes and reservoirs within the Mount Massive and Collegiate Peaks Wilderness areas.							
COARUA28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:  Other:  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					<b>Inorganic (mg/L)</b>		
						acute	chronic
		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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	160
	Phosphorus	---	0.025*	Nickel	TVS	TVS	
	Sulfate	---	WS	Selenium	TVS	TVS	
	Sulfide	---	0.002	Silver	TVS	TVS(tr)	
				Uranium	---	---	
				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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

29. All lakes and reservoirs tributary to the Arkansas River from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 28 and 30.							
COARUA29	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		acute	chronic				
<b>Qualifiers:</b>		Temperature °C	CL	CL	Aluminum	---	
<b>Other:</b>		D.O. (mg/L)	---	6.0	Arsenic	340	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Arsenic(T)	---	
		pH	6.5 - 9.0	---	Beryllium	---	
		chlorophyll a (ug/L)	---	8*	Cadmium	TVS(tr)	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	160
					Nickel	TVS	TVS
					Selenium	TVS	TVS
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Sulfide	---	0.002		
			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	DM	MWAT	acute	chronic		
Reviewable		acute	chronic				
<b>Qualifiers:</b>		Temperature °C	CLL	CLL	Aluminum	---	
<b>Other:</b>		D.O. (mg/L)	---	6.0	Arsenic	340	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium	---	
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	160
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
			Uranium	---	---		
			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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

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

COARUA31	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic				
Reviewable	Aq Life Cold 1	CL	CL	---	---	Aluminum	---		
	Recreation E	acute	chronic	340	---	Arsenic	---		
	Water Supply	---	6.0	---	0.02	Arsenic(T)	---		
<b>Qualifiers:</b>		---	7.0	---	---	Beryllium	---		
<b>Other:</b>		6.5 - 9.0	---	TVS(tr)	TVS	Cadmium	---		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		---	8*	---	TVS	Chromium III	---		
		---	126	---	---	TVS	Chromium III(T)	---	
		Inorganic (mg/L)			TVS	TVS	Chromium VI	---	
		acute	chronic	---	WS	TVS	TVS	Copper	---
		TVS	TVS	---	1000	---	---	Iron	---
		---	0.75	---	---	---	---	Iron(T)	---
		---	250	---	---	---	---	Lead	---
		0.019	0.011	---	---	---	---	Manganese	---
		0.005	---	---	---	---	---	Mercury	---
		10	---	---	---	---	---	Molybdenum(T)	---
		---	0.05	---	---	---	---	Nickel	---
		---	0.025*	---	---	---	---	Selenium	---
		---	WS	---	---	---	---	Silver	---
		---	0.002	---	---	---	---	Uranium	---
						TVS	TVS	Zinc	---

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	---	---	Aluminum	---		
	Recreation E	acute	chronic	340	---	Arsenic	---		
	Water Supply	---	6.0	---	0.02	Arsenic(T)	---		
<b>Qualifiers:</b>		---	7.0	---	---	Beryllium	---		
<b>Other:</b>		6.5 - 9.0	---	TVS(tr)	TVS	Cadmium	---		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		---	8*	---	TVS	Chromium III	---		
		---	126	---	---	---	Chromium III(T)	---	
		Inorganic (mg/L)			TVS	TVS	Chromium VI	---	
		acute	chronic	---	WS	TVS	TVS	Copper	---
		TVS	TVS	---	1000	---	---	Iron	---
		---	0.75	---	---	---	---	Iron(T)	---
		---	250	---	---	---	---	Lead	---
		0.019	0.011	---	---	---	---	Manganese	---
		0.005	---	---	---	---	---	Mercury	---
		10	---	---	---	---	---	Molybdenum(T)	---
		---	0.05	---	---	---	---	Nickel	---
		---	0.025*	---	---	---	---	Selenium	---
		---	WS	---	---	---	---	Silver	---
		---	0.002	---	---	---	---	Uranium	---
						TVS	TVS	Zinc	---

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

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

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

COARUA33	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CL,CLL	CL,CLL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 <sup>A</sup>	
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---	
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS	TVS
			acute	chronic	Copper	TVS	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	WS
		Boron	---	0.75	Iron(T)	---	1000	1000
		Chloride	---	250	Lead	TVS	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160	160
		Nitrite	---	0.05	Nickel	TVS	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---	---
					Zinc	TVS	TVS	TVS

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

COARUA34	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---	
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS	TVS
			acute	chronic	Copper	TVS	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	WS
		Boron	---	0.75	Iron(T)	---	1000	1000
		Chloride	---	250	Lead	TVS	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160	160
		Nitrite	---	0.05	Nickel	TVS	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper Arkansas River Basin

35. DeWeese Reservoir.									
COARUA35	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---	
	Recreation E	Temperature °C	4/1 - 12/31	CLL	21.3	Arsenic	340	---	
	Water Supply					Arsenic(T)	---	0.02	
Qualifiers:			acute	chronic					
Other:		D.O. (mg/L)	---	6.0		Beryllium	---	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0		Cadmium	TVS(tr)	TVS	
		pH	6.5 - 9.0	---		Chromium III	---	TVS	
		chlorophyll a (ug/L)	---	8*		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			Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011			Mercury	---	0.01(t)
		Cyanide	0.005	---			Molybdenum(T)	---	160
		Nitrate	10	---			Nickel	TVS	TVS
		Nitrite	---	0.05			Selenium	TVS	TVS
		Phosphorus	---	0.025*			Silver	TVS	TVS(tr)
		Sulfate	---	WS			Uranium	---	---
		Sulfide	---	0.002			Zinc	TVS	TVS

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

36. All lakes and reservoirs tributary to the mainstem of Currant Creek (Park County) from the source to the confluence with Tallahassee Creek, except lakes and reservoirs tributary to Cottonwood Creek (Fremont County) from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road. All lakes and reservoirs tributary to the mainstem of Middle Tallahassee Creek from the source to the intersection with Road 23.									
COARUA36	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---		
	Recreation E				Arsenic	340	---		
	Water Supply				Arsenic(T)	---	0.02		
Qualifiers:			acute	chronic					
Other:		D.O. (mg/L)	---	6.0		Beryllium	---	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0		Cadmium	TVS(tr)	TVS	
		pH	6.5 - 9.0	---		Chromium III	---	TVS	
		chlorophyll a (ug/L)	---	8*		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			Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011			Mercury	---	0.01(t)
		Cyanide	0.005	---			Molybdenum(T)	---	160
		Nitrate	10	---			Nickel	TVS	TVS
		Nitrite	---	0.05			Selenium	TVS	TVS
		Phosphorus	---	0.025*			Silver	TVS	TVS(tr)
		Sulfate	---	WS			Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature 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	CL,CLL	CL,CLL			
Qualifiers:		acute	chronic			
Other:						
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Temperature °C	6.5 - 9.0	---	---	---
		D.O. (mg/L)	---	6.0	---	0.02
		D.O. (spawning)	---	7.0	---	---
		pH	6.5 - 9.0	---	---	---
		chlorophyll a (ug/L)	---	8*	---	---
		E. Coli (per 100 mL)	---	126	---	---
		Inorganic (mg/L)			---	---
		acute	chronic			
		Ammonia	TVS	TVS	---	WS
		Boron	---	0.75	---	---
		Chloride	---	250	---	---
		Chlorine	0.019	0.011	---	0.01(t)
		Cyanide	0.005	---	---	160
		Nitrate	10	---	TVS	TVS
		Nitrite	---	0.05	TVS	TVS
		Phosphorus	---	0.025*	TVS	TVS(tr)
		Sulfate	---	WS	---	---
		Sulfide	---	0.002	TVS	TVS
					Aluminum	---
					Arsenic	340
					Arsenic(T)	---
					Beryllium	---
					Cadmium	TVS(tr)
					Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

  

38. All lakes and reservoirs tributary to the mainstem of East and West Beaver Creeks from the source to the confluence with Beaver Creek. This segment includes Skagway and Bison Reservoirs.						
COARUA38	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	CL,CLL	CL,CLL			
Qualifiers:		acute	chronic			
Other:						
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: Bison Reservoir = DUWS *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Temperature °C	6.5 - 9.0	---	---	---
		D.O. (mg/L)	---	6.0	---	0.02
		D.O. (spawning)	---	7.0	---	---
		pH	6.5 - 9.0	---	---	---
		chlorophyll a (ug/L)	---	8*	---	---
		E. Coli (per 100 mL)	---	126	---	---
		Inorganic (mg/L)			---	---
		acute	chronic			
		Ammonia	TVS	TVS	---	WS
		Boron	---	0.75	---	---
		Chloride	---	250	---	---
		Chlorine	0.019	0.011	---	0.01(t)
		Cyanide	0.005	---	---	160
		Nitrate	10	---	TVS	TVS
		Nitrite	---	0.05	TVS	TVS
		Phosphorus	---	0.025*	TVS	TVS(tr)
		Sulfate	---	WS	---	---
		Sulfide	---	0.002	TVS	TVS
					Aluminum	---
					Arsenic	340
					Arsenic(T)	---
					Beryllium	---
					Cadmium	TVS(tr)
					Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	---
					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 details on TVS, TVS(tr), WS, temperature 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.							
COARUA39	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CL	CL	Aluminum	---	---	
Qualifiers:		acute	chronic	Arsenic	340	---	
Other:		---	6.0	Arsenic(T)	---	0.02	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (mg/L)	---	7.0	Beryllium	---	
		D.O. (spawning)	---	---	Cadmium	TVS(tr)	TVS
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.025*	Silver	TVS	TVS(tr)
Sulfate	---	WS	Uranium	---	---		
Sulfide	---	0.002	Zinc	TVS	TVS		

  

40. Brush Hollow Reservoir.							
COARUA40	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Warm 1 Recreation E Water Supply	WL	WL	Aluminum	---	---	
Qualifiers:		acute	chronic	Arsenic	340	---	
Other:		---	5.0	Arsenic(T)	---	0.02	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (mg/L)	---	20*	Beryllium	---	
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (ug/L)	---	---	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.083*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS
Sulfide	---	0.002	Uranium	---	---		
			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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

1. All tributaries, including wetlands, to the Arkansas River within the Sangre de Cristo, Greenhorn, and Spanish Peaks Wilderness Areas.								
COARMA01	Classifications	Physical and Biological		Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
		D.O. (spawning)	---	7.0	Beryllium	---	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 temperature(ac/ch) = current conditions Expiration Date of 7/1/2021		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury	---	0.01(t)	
		Nitrate	10	---	Molybdenum(T)	---	160	
		Nitrite	---	0.05	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	---	---	
					Zinc	TVS	TVS	

  

2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.								
COARMA02	Classifications	Physical and Biological		Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
		D.O. (spawning)	---	7.0	Beryllium	---	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 temperature(ac/ch) = current conditions Expiration Date of 7/1/2021		chlorophyll a (mg/m <sup>2</sup> )	---	---	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	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury	---	0.01(t)	
		Nitrate	10	---	Molybdenum(T)	---	160	
		Nitrite	---	0.05	Nickel	TVS	TVS	
		Phosphorus	---	---	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	---	---	
					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 details on TVS, TVS(tr), WS, temperature standards.

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

3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.							
COARMA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
Expiration Date of 12/31/2021			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	26.3	17.1
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

4a. Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.							
COARMA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
*Selenium(acute) = See selenium assessment location at 32.6(4).		<b>Inorganic (mg/L)</b>			Chromium III(T)	---	100
*Selenium(chronic) = See selenium assessment location at 32.6(4).			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	2376*	2110*
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---
			acute	chronic	Arsenic	340
<b>Qualifiers:</b>	D.O. (mg/L)	---	5.0		Arsenic(T)	---
<b>Other:</b>	pH	6.5 - 9.0	---		Beryllium	---
Temporary Modification(s):	chlorophyll a (mg/m <sup>2</sup> )	---	150		Cadmium	TVS
Ammonia(ac/ch) = current conditions	E. Coli (per 100 mL)	---	126		Chromium III	TVS
Arsenic(ac/ch) = current conditions	<b>Inorganic (mg/L)</b>				Chromium III(T)	---
Boron(chronic) = current conditions		acute	chronic		Chromium VI	TVS
Cadmium(ac/ch) = current conditions	Ammonia	TVS	TVS		Copper	TVS
Chlorine(ac/ch) = current conditions	Boron	---	0.75		Iron(T)	---
chlorophyll a (mg/m <sup>2</sup> )(chronic) = current conditions	Chloride	---	---		Lead	TVS
Chromium III(chronic) = current conditions	Chlorine	0.019	0.011		Manganese	TVS
Chromium III(ac/ch) = current conditions	Cyanide	0.005	---		Mercury	---
Chromium VI(ac/ch) = current conditions	Nitrate	100	---		Molybdenum(T)	---
Copper(ac/ch) = current conditions	Nitrite	---	0.05		Nickel	TVS
Cyanide(acute) = current conditions	Phosphorus	---	0.17		Selenium	TVS
D.O. (mg/L)(chronic) = current conditions	Sulfate	---	---		Silver	TVS
E. Coli (per 100 mL)(chronic) = current conditions	Sulfide	---	0.002		Uranium	---
Iron(chronic) = current conditions					Zinc	TVS
Lead(ac/ch) = current conditions						
Manganese(ac/ch) = current conditions						
Mercury(chronic) = current conditions						
Molybdenum(chronic) = current conditions						
Nickel(ac/ch) = current conditions						
Nitrate(acute) = current conditions						
Nitrite(chronic) = current conditions						
pH(acute) = current conditions						
Phosphorus(chronic) = current conditions						
Selenium(ac/ch) = current conditions						
Silver(ac/ch) = current conditions						
Sulfide(chronic) = current conditions						
Zinc(ac/ch) = current conditions						
Expiration Date of 12/31/2018						

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 details on TVS, TVS(tr), WS, temperature standards.



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

4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.							
COARMA04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

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

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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

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

COARMA04D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Aluminum	---	---
		acute	chronic	Arsenic(T)	---	100	
<b>Qualifiers:</b>	D.O. (mg/L)	---	5.0	Beryllium(T)	---	100	
<b>Other:</b>  *chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	pH	6.5 - 9.0	---	Cadmium(T)	---	10	
	chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100	
	Inorganic (mg/L)			Chromium VI(T)	---	100	
	acute	chronic	Copper(T)	---	200		
	Ammonia	---	---	Iron	---	---	
	Boron	---	0.75	Lead(T)	---	100	
	Chloride	---	---	Manganese	---	---	
	Chlorine	---	---	Mercury	---	---	
	Cyanide	0.2	---	Molybdenum(T)	---	160	
	Nitrate	100	---	Nickel(T)	---	200	
	Nitrite	---	10	Selenium(T)	---	20	
	Phosphorus	---	0.17*	Silver	---	---	
	Sulfate	---	---	Uranium	---	---	
	Sulfide	---	---	Zinc(T)	---	2000	

4e. Golf Course Wash

COARMA04E	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	Aluminum	---	---
		acute	chronic	Arsenic	340	---	
<b>Qualifiers:</b>	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100	
<b>Other:</b>	pH	6.5 - 9.0	---	Beryllium	---	---	
	chlorophyll a (mg/m <sup>2</sup> )	---	150	Beryllium(T)	---	100	
	E. Coli (per 100 mL)	---	126	Cadmium	---	---	
	Inorganic (mg/L)			Cadmium(T)	---	10	
	acute	chronic	Chromium III	TVS	TVS		
	Ammonia	TVS	TVS	Chromium III(T)	---	100	
	Boron	---	0.75	Chromium VI	---	---	
	Chloride	---	---	Chromium VI(T)	---	100	
	Chlorine	---	---	Copper	---	---	
	Cyanide	0.2	---	Copper(T)	---	200	
	Nitrate	100	---	Iron	---	---	
	Nitrite	---	10	Lead	---	---	
	Phosphorus	---	0.17	Lead(T)	---	100	
	Sulfate	---	---	Manganese	---	---	
	Sulfide	---	---	Mercury	---	---	
			Molybdenum(T)	---	160		
			Nickel	---	---		
			Nickel(T)	---	200		
			Selenium	1797	1769		
			Silver	---	---		
			Uranium	---	---		
			Zinc	---	---		
			Zinc(T)	---	2000		

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 32.6 for details on TVS, TVS(tr), WS, temperature 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		
UP	Aq Life Warm 2 Recreation P	Temperature °C	WS-III	WS-III	Aluminum	---
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---
		E. Coli (per 100 mL)	---	205	Chromium VI(T)	---
		Inorganic (mg/L)			Copper(T)	---
			acute	chronic	Iron	---
		Ammonia	---	---	Lead(T)	---
		Boron	---	0.75	Manganese(T)	---
		Chloride	---	---	Mercury	---
		Chlorine	---	---	Molybdenum(T)	---
		Cyanide	0.2	---	Nickel(T)	---
		Nitrate	100	---	Selenium(T)	---
		Nitrite	---	10	Silver	---
		Phosphorus	---	0.17*	Uranium	---
		Sulfate	---	---	Zinc(T)	---
		Sulfide	---	---		2000
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).						
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).						

  

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

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 details on TVS, TVS(tr), WS, temperature standards.

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

5a. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary.						
COARMA05A	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
UP	Agriculture					
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E					
	Water Supply					
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic	340
<b>Other:</b>		D.O. (spawning)	---	7.0	Arsenic(T)	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Beryllium	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS(tr)
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III	---
		<b>Inorganic (mg/L)</b>			Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	250	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	10	---	Selenium	TVS
		Nitrite	---	0.05	Silver	TVS
		Phosphorus	---	0.11	Uranium	---
		Sulfate	---	WS	Zinc	TVS
		Sulfide	---	0.002		

  

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 near Burnt Mill.						
COARMA05B	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
UP	Agriculture					
	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E					
	Water Supply					
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic	340
<b>Other:</b>		D.O. (spawning)	---	7.0	Arsenic(T)	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Beryllium	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS(tr)
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III	---
		<b>Inorganic (mg/L)</b>			Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	250	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	10	---	Selenium	TVS
		Nitrite	---	0.05	Silver	TVS
		Phosphorus	---	0.11	Uranium	---
		Sulfate	---	WS	Zinc	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 details on TVS, TVS(tr), WS, temperature 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 near Burnt Mill to a point immediately upstream of the confluence with Edson Arroyo.						
COARMA06A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 2	WS-II	WS-II	---	---	---
	Recreation E	acute	chronic	---	---	---
	Water Supply	---	5.0	---	---	0.02-10 <sup>A</sup>
Qualifiers:		pH	6.5 - 9.0	---	---	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	150*	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	---	TVS
		Inorganic (mg/L)				
		acute	chronic			
		Ammonia	TVS	TVS	---	---
		Boron	---	0.75	---	WS
		Chloride	---	250	---	1000
		Chlorine	---	0.011	TVS	TVS
		Cyanide	0.005	---	TVS	TVSWS
		Nitrate	10	---	---	0.01(t)
		Nitrite	---	0.05	---	160
		Phosphorus	---	0.17*	TVS	TVS
		Sulfate	---	WS	TVS	TVS
		Sulfide	---	0.002	TVS	TVS
		Zinc	---	---	TVS	TVS
6b. Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.						
COARMA06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 2	WS-II	WS-II	---	---	---
	Recreation E	acute	chronic	---	---	---
	Water Supply	---	5.0	---	---	0.02-10 <sup>A</sup>
Qualifiers:		pH	6.5 - 9.0	---	---	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	TVS	TVS
Temporary Modification(s): temperature(DM/MWAT) = "current conditions" Expiration Date of 12/31/2018  *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4).		E. Coli (per 100 mL)	---	126	---	TVS
		Inorganic (mg/L)				
		acute	chronic			
		Ammonia	TVS	TVS	---	---
		Boron	---	0.75	---	WS
		Chloride	---	250	---	1000
		Chlorine	---	0.011	TVS	TVS
		Cyanide	0.005	---	TVS	TVSWS
		Nitrate	10	---	---	0.01(t)
		Nitrite	---	0.05	---	160
		Phosphorus	---	---	TVS	TVS
		Sulfate	---	WS	173*	50*
		Sulfide	---	0.002	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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature 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	Temperature °C	WS-II	WS-II	Aluminum	--- ---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III(T)	50
Expiration Date of 12/31/2021		acute	chronic	Chromium VI	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		Ammonia	TVS	TVS	Copper	TVS TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS TVS
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	0.17*	Nickel	TVS TVS
		Sulfate	---	700	Selenium	TVS TVS
		Sulfide	---	0.002	Silver	TVS TVS(tr)
					Uranium	---
					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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.



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

11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.

COARMA11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

12. Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.

COARMA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

13b. Mainstem of the Cucharas River from a point immediately above the confluence with Middle Creek to the point of diversion for the Walsenburg public water supply. All tributaries, including wetlands, to the Cucharas River from the San Isabel National Forest boundary to the point of diversion for the Walsenburg public water supply, 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.

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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

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

14. Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.								
COARMA14	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WS-II	WS-II	Aluminum	---	---	
			<b>acute</b>	<b>chronic</b>	Arsenic	340	---	
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6	
<b>Other:</b>	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	pH	6.5 - 9.0	---	Beryllium	---	---	
		chlorophyll a (mg/m <sup>2</sup> )	---	150*		Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126		Chromium III	TVS	TVS
			Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS		Copper	TVS	TVS
		Boron	---	0.75		Iron(T)	---	1000
		Chloride	---	---		Lead	TVS	TVS
		Chlorine	0.019	0.011		Manganese	TVS	TVS
		Cyanide	0.005	---		Mercury	---	0.01(t)
		Nitrate	100	---		Molybdenum(T)	---	160
		Nitrite	---	0.5		Nickel	TVS	TVS
		Phosphorus	---	0.17*		Selenium	TVS	TVS
		Sulfate	---	---		Silver	TVS	TVS
		Sulfide	---	0.002		Uranium	---	---
						Zinc	TVS	TVS

  

15. Mainstem of Cucharas River from the outlet of Cucharas Reservoir to the confluence with the Huerfano River.								
COARMA15	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Aluminum	---	---	
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	100	
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100	
<b>Other:</b>	*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).	pH	6.5 - 9.0	---	Cadmium(T)	---	10	
		chlorophyll a (mg/m <sup>2</sup> )	---	---		Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126		Chromium III(T)	---	100
			Inorganic (mg/L)			Chromium VI(T)	---	100
			acute	chronic		Copper(T)	---	200
		Ammonia	---	---		Iron	---	---
		Boron	---	0.75		Lead(T)	---	100
		Chloride	---	---		Manganese	---	---
		Chlorine	---	---		Mercury	---	---
		Cyanide	0.2	---		Molybdenum(T)	---	160
		Nitrate	100	---		Nickel(T)	---	200
		Nitrite	---	10		Selenium(T)	---	20
		Phosphorus	---	---		Silver	---	---
		Sulfate	---	---		Uranium	---	---
		Sulfide	---	---		Zinc(T)	---	2000

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

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

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

16. Deleted.							
COARMA16	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				
17. All tributaries to Apache Creek, including wetlands, from the source to a point immediately below the confluence of North and South Apache Creeks, except for the specific listings in segment 1. All tributaries, including wetlands, to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 1 and 11a.							
COARMA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CS-I	CS-I	Aluminum	---	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply			Arsenic(T)	---	0.02	
Qualifiers:				D.O. (mg/L)	---	6.0	
Other:				D.O. (spawning)	---	7.0	
Temporary Modification(s):				pH	6.5 - 9.0	---	
Arsenic(chronic) = hybrid				chlorophyll a (mg/m <sup>2</sup> )	---	150	
Expiration Date of 12/31/2021				E. Coli (per 100 mL)	---	126	
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
				Chromium VI	TVS	TVS	
				Copper	TVS	TVS	
				Iron	---	WS	
				Ammonia	TVS	TVS	
				Boron	---	0.75	
				Chloride	---	250	
				Chlorine	0.019	0.011	
				Cyanide	0.005	---	
				Nitrate	10	---	
				Nitrite	---	0.05	
				Phosphorus	---	0.11	
				Sulfate	---	WS	
				Sulfide	---	0.002	
				Lead	TVS	TVS	
				Manganese	TVS	TVS/WS	
				Mercury	---	0.01(t)	
				Molybdenum(T)	---	160	
				Nickel	TVS	TVS	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

18a Mainstem of Boggs Creek from the source to Pueblo Reservoir.						
COARMA18A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III(T)	50
Expiration Date of 12/31/2021			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	---
					Zinc	TVS
18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to Arkansas River, that flows from the south and whose confluence with the Arkansas River is located at 38.267623, -104.668298. Mainstem of Rush Creek (Pueblo County) from the source to the confluence with the Arkansas River.						
COARMA18B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III(T)	50
Expiration Date of 12/31/2021			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Selenium	2498
		Sulfide	---	0.002	Silver	TVS
					Uranium	---
					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 details on TVS, TVS(tr), WS, temperature standards.

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

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	Aluminum	---	---
			acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

  

20. Pueblo Reservoir.							
COARMA20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS	Temperature °C	1/1 - 3/31 CLL	CLL	Aluminum	---	---
		Temperature °C	4/1 - 12/31 CLL	23.6	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	6.0	Beryllium	---	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021  *chlorophyll a (ug/L)(chronic) = See assessment location at 32.6(4).		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	5*	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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

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

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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS(tr)	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
			Zinc	TVS	TVS		

  

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	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
			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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

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	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Beckwith Reservoir *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

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	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
<b>Other:</b>		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Middle Arkansas River Basin

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 Aq Life Cold 1 Recreation E Water Supply			DM	MWAT	acute	chronic
Reviewable		acute	chronic				
		Temperature °C	CL	CL	Aluminum	---	---
		D.O. (mg/L)	---	6.0	Arsenic	340	---
<b>Qualifiers:</b>	D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02	
<b>Other:</b>	pH	6.5 - 9.0	---	Beryllium	---	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	chlorophyll a (ug/L)	---	8*	Cadmium	TVS(tr)	TVS	
	E. Coli (per 100 mL)	---	126	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	---	Manganese	TVS	TVS/WS	
	Nitrate	10	---	Mercury	---	0.01(t)	
	Nitrite	---	0.05	Molybdenum(T)	---	160	
	Phosphorus	---	0.025*	Nickel	TVS	TVS	
	Sulfate	---	WS	Selenium	TVS	TVS	
	Sulfide	---	0.002	Silver	TVS	TVS(tr)	
				Uranium	---	---	
			Zinc	TVS	TVS		

  

26. ,Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake..								
COARMA26	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	1/1 - 3/31	CLL	CLL	Aluminum	---	---
		Temperature °C	4/1 - 12/31	CLL *	18.8*	Arsenic	340	---
	Temperature °C	4/1 - 12/31	CLL *	21.7*	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>	Temperature °C		CL*	CL*	Beryllium	---	---	
<b>Other:</b>		<b>acute</b>	<b>chronic</b>	Cadmium	TVS(tr)	TVS		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Horseshoe (MWAT=18.8) *Temperature(4/1 - 12/31) = Martin (MWAT=21.7) *Temperature = Walsenburg (MWAT=CL)	D.O. (mg/L)	---	6.0	Chromium III	---	TVS		
	D.O. (spawning)	---	7.0	Chromium III(T)	50	---		
	pH	6.5 - 9.0	---	Chromium VI	TVS	TVS		
	chlorophyll a (ug/L)	---	8*	Copper	TVS	TVS		
	E. Coli (per 100 mL)	---	126	Iron	---	WS		
	<b>Inorganic (mg/L)</b>			Iron(T)	---	1000		
		<b>acute</b>	<b>chronic</b>	Lead	TVS	TVS		
	Ammonia	TVS	TVS	Manganese	TVS	TVS/WS		
	Boron	---	0.75	Mercury	---	0.01(t)		
	Chloride	---	250	Molybdenum(T)	---	160		
	Chlorine	0.019	0.011	Nickel	TVS	TVS		
	Cyanide	0.005	---	Selenium	TVS	TVS		
	Nitrate	10	---	Silver	TVS	TVS(tr)		
	Nitrite	---	0.05	Uranium	---	---		
	Phosphorus	---	0.025*	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 details on TVS, TVS(tr), WS, temperature standards.

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

27. Teller Reservoir							
COARMA27	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	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	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

  

28. Valco Ponds and Runyon/Fountain Lake.							
COARMA28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS(tr)	
		E. Coli (per 100 mL)	---	126	Chromium III	---	
		Inorganic (mg/L)			Chromium III(T)	50	---
			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.

COARFO01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

2a. Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.							
COARFO02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	---	
		Inorganic (mg/L)			Chromium III(T)	50	---
			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	290	Selenium	TVS	4.8
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS
2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.							
COARFO02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	---	
		Inorganic (mg/L)			Chromium III(T)	50	---
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	3300
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	485	Selenium	42.3	28.1
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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.

COARF003A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

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

COARF003B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

4. All tributaries to Fountain Creek which are not 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 specific listings in segments 5 and 6.

COARFO04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 <sup>A</sup>
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

5. Marshland on Nash Property (60 acres at 13030 Old Pueblo Road, El Paso County) located in Section 28 T16S R65W; Jimmy Camp Creek from the irrigation diversion east of Old Pueblo Road to its confluence with Fountain Creek; unnamed tributary from the boundary of Fort Carson to the confluence with Fountain Creek; located in S1/2, SW1/4, Section 6 and N1/2, NW1/4, Section 7, T16S, R65W.

COARFO05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation N		acute	chronic	Arsenic	340	---
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
<b>Other:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	630	Chromium III	TVS	TVS
		<b>Inorganic (mg/L)</b>			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

6. Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Fountain Creek.							
COARFO06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Cadmium	TVS	
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Copper(acute) = Copper BLM –based Fixed Monitoring Benchmark (FMB) Copper FMBa = 28.4µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge. *Copper(chronic) = Copper BLM –based Fixed Monitoring Benchmark (FMB) Copper FMBc = 17.8µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge.		<b>Inorganic (mg/L)</b>			Chromium III	---	
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS*	---
		Chloride	---	250	Copper	---	TVS*
		Chlorine	0.019	0.011	Iron	---	WS
		Cyanide	0.005	---	Iron(T)	---	1000
		Nitrate	10	---	Lead	TVS	TVS
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	160
		Sulfide	---	0.002	Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

  

7a. Pikeview Reservoir, Willow Springs Pond #1, and Willow Springs Pond #2.							
COARFO07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	
<b>Other:</b>		E. Coli (per 100 mL)	---	126	Chromium III	---	
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Copper(acute) = Copper BLM –based Fixed Monitoring Benchmark (FMB) Copper FMBa = 28.4µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge. *Copper(chronic) = Copper BLM –based Fixed Monitoring Benchmark (FMB) Copper FMBc = 17.8µg/L for a subsegment of Monument Creek from immediately above the Tri-Lakes Wastewater Treatment Facility to the North Gate Boulevard Bridge.		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	
			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

7b. Prospect Lake, Quail Lake, and Monument Lake.						
COARFO07B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WL	WL	Aluminum	---      ---
		<b>acute</b>	<b>chronic</b>		Arsenic	340      ---
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Arsenic(T)	---      7.6
<b>Fish Ingestion Standards Apply</b>		pH	6.5 - 9.0	---	Beryllium	---      ---
<b>Other:</b>		chlorophyll a (ug/L)	---	20*	Cadmium	TVS      TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III	TVS      TVS
		<b>Inorganic (mg/L)</b>			Chromium III(T)	---      100
		<b>acute</b>	<b>chronic</b>		Chromium VI	TVS      TVS
		Ammonia	TVS	TVS	Copper	TVS      TVS
		Boron	---	0.75	Iron(T)	---      1000
		Chloride	---	---	Lead	TVS      TVS
		Chlorine	0.019	0.011	Manganese	TVS      TVS
		Cyanide	0.005	---	Mercury	---      0.01(t)
		Nitrate	100	---	Molybdenum(T)	---      160
		Nitrite	---	0.5	Nickel	TVS      TVS
		Phosphorus	---	0.083*	Selenium	TVS      TVS
		Sulfate	---	---	Silver	TVS      TVS
		Sulfide	---	0.002	Uranium	---      ---
					Zinc	TVS      TVS
8. All lakes and reservoirs tributary to the mainstem of Fountain Creek from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 9.						
COARFO08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL	CL	Aluminum	---      ---
		<b>acute</b>	<b>chronic</b>		Arsenic	340      ---
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Arsenic(T)	---      0.02
<b>Other:</b>		D.O. (spawning)	---	7.0	Beryllium	---      ---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)      TVS
		chlorophyll a (ug/L)	---	8*	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	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury	---      0.01(t)
		Nitrate	10	---	Molybdenum(T)	---      160
		Nitrite	---	0.05	Nickel	TVS      TVS
		Phosphorus	---	0.025*	Selenium	TVS      TVS
		Sulfate	---	WS	Silver	TVS      TVS(tr)
		Sulfide	---	0.002	Uranium	---      ---
					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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Fountain Creek Basin

9. North Catamount Reservoir, South Catamount Reservoir, and Crystal Creek Reservoir.							
COARFO09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Other:		chlorophyll a (ug/L)	---	8*	Chromium III	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: All reservoirs=DUWS *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

  

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			
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Other:		chlorophyll a (ug/L)	---	8*	Chromium III	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: Rampart Reservoir = DUWS *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Fountain Creek Basin

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

COARFO11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		<b>DM</b>	<b>MWAT</b>		<b>acute</b>	<b>chronic</b>
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		<b>acute</b>	<b>chronic</b>	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 <sup>A</sup>
		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Qualifiers:</b>		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
<b>Other:</b>  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	---	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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		Temperature °C	1/1 - 11/30	WS-II	WS-II	Aluminum	---	---
		Temperature °C	12/1 - 12/31	21.5	20.7	Arsenic	340	---
<b>Qualifiers:</b>			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02-10 <sup>A</sup>	
<b>Other:</b>		D.O. (mg/L)	---	5.0	Beryllium	---	---	
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	TVS	TVS	
Selenium(ac/ch) = existing quality		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---	TVS	
Sulfate(chronic) = existing quality		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/2018		<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)	---	2800	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury	---	0.01(t)	
		Nitrate	10	---	Molybdenum(T)	---	160	
		Nitrite	---	0.5	Nickel	TVS	TVS	
		Phosphorus	---	---	Selenium	19.1	14.1	
		Sulfate	---	329	Silver	TVS	TVS	
		Sulfide	---	0.002	Uranium	---	---	
					Zinc	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		Temperature °C	WS-II	WS-II	Aluminum	---	---
		D.O. (mg/L)	---	5.0	Arsenic	340	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Arsenic(T)	---	0.02
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Beryllium	---	---
<b>Other:</b>		E. Coli (per 100 mL)	---	126	Cadmium	TVS	TVS
Temporary Modification(s):		<b>Inorganic (mg/L)</b>			Chromium III	---	TVS
Arsenic(chronic) = hybrid			<b>acute</b>	<b>chronic</b>	Chromium III(T)	50	---
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
Discharger Specific Variance(s):		Boron	---	0.75	Copper	TVS	TVS
Selenium(chronic) = TVS:0.37 lbs/day		Chloride	---	250	Iron	---	WS
Selenium(acute) = TVS:no limit		Chlorine	0.019	0.011	Iron(T)	---	1950
Expiration Date of 12/31/2026		Cyanide	0.005	---	Lead	TVS	TVS
*Variance: Selenium = 0.37 lbs /day as a 12-month rolling average. See 32.6(6) for details.		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	0.5	Mercury	---	0.01(t)
		Phosphorus	---	---	Molybdenum(T)	---	160
		Sulfate	---	902	Nickel	TVS	TVS
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature 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	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	<b>acute</b>	<b>chronic</b>		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS
<b>Other:</b>		E. Coli (per 100 mL)	---	126	Chromium III	---
Temporary Modification(s):		<b>Inorganic (mg/L)</b>			Chromium III(T)	50
Arsenic(chronic) = hybrid		<b>acute</b>	<b>chronic</b>		Chromium VI	TVS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	1900	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	---
					Zinc	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, 3a through 9b, and Middle Arkansas Basin listings.						
COARLA02A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---
	Recreation N	<b>acute</b>	<b>chronic</b>		Arsenic(T)	---
	Water Supply	D.O. (mg/L)	---	5.0	Beryllium(T)	4.0
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	630	Chromium III(T)	50
		<b>Inorganic (mg/L)</b>			Chromium VI(T)	50
		<b>acute</b>	<b>chronic</b>		Copper(T)	---
		Ammonia	---	---	Iron	---
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	---
		Chlorine	---	---	Mercury	2.0(t)
		Cyanide	0.2	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel(T)	---
		Nitrite	---	1.0	Selenium(T)	---
		Phosphorus	---	0.17*	Silver(T)	---
		Sulfate	---	WS	Uranium	---
		Sulfide	---	0.05	Zinc(T)	---

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 details on TVS, TVS(tr), WS, temperature 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		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-III	WS-III	Aluminum	---
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium	---
Livestock Watering Only		pH	6.5 - 9.0	---	Cadmium(T)	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI(T)	---
			acute	chronic	Copper(T)	---
		Ammonia	---	---	Iron	---
		Boron	---	5.0	Lead(T)	---
		Chloride	---	---	Manganese	---
		Chlorine	---	---	Mercury	---
		Cyanide	0.2	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	---
		Nitrite	---	10	Selenium(T)	---
		Phosphorus	---	0.17*	Silver	---
		Sulfate	---	---	Uranium	---
		Sulfide	---	---	Zinc(T)	---
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4).						
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).						
2c. Mainstem of Wildhorse Creek, including all tributaries, from a point immediately below US Highway 287 in Kit Carson to the confluence with Big Sandy Creek.						
COARLA02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
UP	Aq Life Warm 2 Recreation N	Temperature °C	WS-III	WS-III	Aluminum	---
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	630	Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI(T)	---
			acute	chronic	Copper(T)	---
		Ammonia	---	---	Iron	---
		Boron	---	0.75	Lead(T)	---
		Chloride	---	---	Manganese	---
		Chlorine	---	---	Mercury	---
		Cyanide	0.2	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel(T)	---
		Nitrite	---	10	Selenium(T)	---
		Phosphorus	---	0.17	Silver	---
		Sulfate	---	---	Uranium	---
		Sulfide	---	---	Zinc(T)	---

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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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		acute	chronic
Reviewable		Temperature °C	CS-II	CS-II	Aluminum	---	---
			acute	chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					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	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

3c. The mainstem of Jarosa Canyon Creek including all tributaries from the source to the confluence with the Apishapa River.							
COARLA03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
Reviewable	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Aluminum	acute	chronic
Qualifiers:			acute	chronic	Arsenic	340	---
Other:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 <sup>A</sup>
		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
4a. Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River. Mainstem of Timpas Creek from the source to the Arkansas River.							
COARLA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
UP	Aq Life Warm 1 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Aluminum	acute	chronic
Qualifiers:			acute	chronic	Arsenic	340	---
Other:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1805
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.



# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

4b. Mainstem of Lorencito Canyon, from the source to the confluence with the Purgatoire River.						
COARLA04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-II	WS-II	Aluminum	---
			acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	---
			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	4.0	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS
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 Guajatyah 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		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---
			acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III	---
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	4.0	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	---	0.05	Nickel	TVS
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	4.0	Lead	TVS	TVS
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

5c. Purgatoire mainstem from Trinidad Lake outlet works to I-25. Mainstem of Raton Creek from the source to the confluence of Purgatoire River.

COARLA05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	2.0	Lead	TVS	TVS
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	160
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

6a. All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.									
COARLA06A	Classifications	Physical and Biological			Metals (ug/L)				
Designation		DM	MWAT		acute	chronic			
UP	Agriculture								
	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Aluminum	---	---		
		<b>acute</b>	<b>chronic</b>		Arsenic(T)	---	100		
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Beryllium(T)	---	100		
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	---	10		
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		pH	6.5 - 9.0	---	Chromium III	TVS	TVS		
		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Chromium III(T)	---	100		
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	---	100		
					Copper(T)	---	200		
					<b>Inorganic (mg/L)</b>	Iron	---	---	
					<b>acute</b>	<b>chronic</b>	Lead(T)	---	100
		Ammonia	---	---	Manganese	---	---		
		Boron	---	4.0	Mercury	---	---		
		Chloride	---	---	Molybdenum(T)	---	160		
		Chlorine	---	---	Nickel(T)	---	200		
		Cyanide	0.2	---	Selenium(T)	---	20		
		Nitrate	100	---	Silver	---	---		
		Nitrite	---	10	Uranium	---	---		
		Phosphorus	---	0.11*	Zinc(T)	---	2000		
		Sulfate	---	---					
Sulfide	---	---							
6b. Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.									
COARLA06B	Classifications	Physical and Biological			Metals (ug/L)				
Designation		DM	MWAT		acute	chronic			
UP	Agriculture								
	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Aluminum	---	---		
		<b>acute</b>	<b>chronic</b>		Arsenic(T)	---	0.02-10 <sup>A</sup>		
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Beryllium(T)	---	4.0		
<b>Other:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		pH	6.5 - 9.0	---	Chromium III	---	TVS		
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	50	100		
					Copper(T)	---	200		
					<b>Inorganic (mg/L)</b>	Iron	---	WS	
					<b>acute</b>	<b>chronic</b>	Lead(T)	50	100
		Ammonia	---	---	Manganese	---	WS		
		Boron	---	2.0	Mercury	2.0(t)	---		
		Chloride	---	250	Molybdenum(T)	---	160		
		Chlorine	---	---	Nickel(T)	---	100		
		Cyanide	0.2	---	Selenium(T)	---	20		
		Nitrate	10	---	Silver(T)	100	---		
		Nitrite	---	1.0	Uranium	---	---		
		Phosphorus	---	0.11	Zinc(T)	---	2000		
		Sulfate	---	WS					
Sulfide	---	0.05							

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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	160
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
	8. Mainstem of Ricardo Creek, including all tributaries and wetlands, which are within Colorado (Costilla and Las Animas Counties), mainstem of the Canadian River, including all tributaries, wetlands, lakes and reservoirs.						
COARLA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	150	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	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	160
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid		<b>Inorganic (mg/L)</b>			Chromium III(T)	50	---
Expiration Date of 12/31/2021			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

9b. Mainstem of Apache Creek from the source to the confluence with the North Rusk 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		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
			<b>Inorganic (mg/L)</b>		Chromium III(T)	50	---
			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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.

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

9c. Deleted.					
COARLA9C	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Qualifiers:		acute	chronic		
Other:		Inorganic (mg/L)			
		acute	chronic		

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

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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

COARLA10	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)		Chromium III(T)	50	---	
		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	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

11. John Martin Reservoir.

COARLA11	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III(T)	50	---	
Expiration Date of 12/31/2021		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	---	Manganese	TVS	TVS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	160
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					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 details on TVS, TVS(tr), WS, temperature standards.



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

12. Lake Henry, Lake Meridith.						
COARLA12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT			
Reviewable	Aq Life Warm 1 Recreation E	WL	WL	acute	chronic	
Qualifiers:		acute	chronic			
Other:						
	Temperature °C	---	5.0	Aluminum	---	---
				Arsenic	340	---
	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
				Chromium III(T)	---	100
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron(T)	---	1000
				Lead	TVS	TVS
				Manganese	TVS	TVS
				Mercury	---	0.01(t)
				Molybdenum(T)	---	160
				Nickel	TVS	TVS
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	---	---
				Zinc	TVS	TVS

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.

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	DM	MWAT			
Reviewable	Aq Life Warm 1 Recreation E	WL	WL	acute	chronic	
Qualifiers:		acute	chronic			
Other:						
	Temperature °C	---	5.0	Aluminum	---	---
				Arsenic	340	---
	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (mg/m <sup>2</sup> )	---	---	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
				Chromium III(T)	---	100
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron(T)	---	1000
				Lead	TVS	TVS
				Manganese	TVS	TVS
				Mercury	---	0.01(t)
				Molybdenum(T)	---	160
				Nickel	TVS	TVS
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	---	---
				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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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	DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		---	7.0	Beryllium	---	---
Other:		6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		---	8*	Chromium III	---	TVS
		---	126	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		TVS	TVS	Iron	---	WS
		---	0.75	Iron(T)	---	1000
		---	250	Lead	TVS	TVS
		0.019	0.011	Manganese	TVS	TVS/WS
		0.005	---	Mercury	---	0.01(t)
		10	---	Molybdenum(T)	---	160
		---	0.05	Nickel	TVS	TVS
		---	0.025*	Selenium	TVS	TVS
		---	WS	Silver	TVS	TVS(tr)
		---	0.002	Uranium	---	---
				Zinc	TVS	TVS
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 Guajatyoh 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	CL	CL	Aluminum	---	---
	Recreation E	CLL*	CLL*	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02
	DUWS*	---	6.0	Beryllium	---	---
Qualifiers:		---	7.0	Cadmium	TVS(tr)	TVS
Other:		6.5 - 9.0	---	Chromium III	---	TVS
		---	8*	Chromium III(T)	50	---
		---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		TVS	TVS	Iron(T)	---	1000
		---	0.75	Lead	TVS	TVS
		---	250	Manganese	TVS	TVS/WS
		0.019	0.011	Mercury	---	0.01(t)
		0.005	---	Molybdenum(T)	---	160
		10	---	Nickel	TVS	TVS
		---	0.05	Selenium	TVS	TVS
		---	0.025*	Silver	TVS	TVS(tr)
		---	WS	Uranium	---	---
		---	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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

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			
UP	Aq Life Cold 2	CL	CL	acute	chronic	
	Recreation E	acute	chronic	Aluminum	---	
<b>Qualifiers:</b>	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
<b>Other:</b>	D.O. (spawning)	---	7.0	Beryllium(T)	---	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	pH	6.5 - 9.0	---	Cadmium(T)	---	
	chlorophyll a (ug/L)	---	8*	Chromium III	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III(T)	---	
				Chromium VI(T)	---	
				Copper(T)	---	
				Iron	---	
				Lead(T)	---	
				Manganese	---	
				Mercury	---	
				Molybdenum(T)	---	
				Nickel(T)	---	
				Selenium(T)	---	
				Silver	---	
				Uranium	---	
				Zinc(T)	---	

  

17. All lakes and reservoirs tributary to Wet Canyon, from the source to the confluence with the Purgatoire River.						
COARLA17	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT			
UP	Aq Life Cold 2	CL	CL	acute	chronic	
	Recreation E	acute	chronic	Aluminum	---	
	Water Supply	acute	chronic	Arsenic(T)	---	
<b>Qualifiers:</b>	D.O. (mg/L)	---	6.0	Beryllium(T)	---	
<b>Other:</b>	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	pH	6.5 - 9.0	---	Chromium III	---	
	chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	
	E. Coli (per 100 mL)	---	126	Chromium VI(T)	50	
				Copper(T)	---	
				Iron	---	
				Lead(T)	50	
				Manganese	---	
				Mercury	2.0(t)	
				Molybdenum(T)	---	
				Nickel(T)	---	
				Selenium(T)	---	
				Silver(T)	100	
				Uranium	---	
				Zinc(T)	---	

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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Arkansas River Basin

18. All lakes and reservoirs tributary to Ricardo Creek, which are within Colorado (Costilla and Las Animas Counties). All lakes and reservoirs tributary to the Canadian River.								
COARLA18	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Beryllium	---	---	
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	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	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury	---	0.01(t)	
		Nitrate	10	---	Molybdenum(T)	---	160	
		Nitrite	---	0.05	Nickel	TVS	TVS	
		Phosphorus	---	0.025*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	---	---	
					Zinc	TVS	TVS	
19. All lakes and reservoirs tributary to the Arkansas River, except for specific listings in segments 10-18 and Middle Arkansas Basin segments 19-28.								
COARLA19	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Beryllium	---	---	
<b>Other:</b>		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021  *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
		<b>Inorganic (mg/L)</b>				Chromium III(T)	50	---
			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	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.5	Molybdenum(T)	---	160	
		Phosphorus	---	0.083*	Nickel	TVS	TVS	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	---	---	
					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 details on TVS, TVS(tr), WS, temperature standards.

# REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Cimarron River Basin

1. Mainstem of the Cimarron River, including all tributaries and wetlands, in Las Animas, Baca, and Prowers Counties, except for the specific listing in segment 2.								
COARCI01	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute      chronic				
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation N		acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	---	10	
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	TVS	TVS	
		E. Coli (per 100 mL)	---	630	Chromium III(T)	---	100	
		Inorganic (mg/L)			Chromium VI(T)	---	100	
		acute	chronic	Copper(T)	---	200		
		Ammonia	---	---	Iron	---	---	
		Boron	---	0.75	Lead(T)	---	100	
		Chloride	---	---	Manganese	---	---	
		Chlorine	---	---	Mercury	---	---	
		Cyanide	0.2	---	Molybdenum(T)	---	160	
		Nitrate	100	---	Nickel(T)	---	200	
		Nitrite	---	10	Selenium(T)	---	20	
		Phosphorus	---	0.17	Silver	---	---	
		Sulfate	---	---	Uranium	---	---	
		Sulfide	---	---	Zinc(T)	---	2000	
		2. Mainstem of North Carrizo Creek from the source to the Colorado/Oklahoma state line; mainstems of East and West Carrizo Creek, to the confluence with North Carrizo Creek; mainstems of Cottonwood Creek and Tecolote Creek to the confluence with West Carrizo Creek, Fitzler Pond.						
		COARCI02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic				
UP	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6	
Other:		pH	6.5 - 9.0	---	Beryllium	---	---	
		chlorophyll a (mg/m <sup>2</sup> )	---	150	Cadmium	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS	
		Inorganic (mg/L)			Chromium III(T)	---	100	
		acute	chronic	Chromium VI	TVS	TVS		
		Ammonia	TVS	TVS	Copper	TVS	TVS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	---	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Manganese	TVS	TVS	
		Cyanide	0.005	---	Mercury	---	0.01(t)	
		Nitrate	100	---	Molybdenum(T)	---	160	
		Nitrite	---	0.5	Nickel	TVS	TVS	
		Phosphorus	---	0.17	Selenium	TVS	TVS	
		Sulfate	---	---	Silver	TVS	TVS	
		Sulfide	---	0.002	Uranium	---	---	
					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 details on TVS, TVS(tr), WS, temperature 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	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Recreation E	Temperature °C	WL	WL	Aluminum	---
			acute	chronic	Arsenic	340
<b>Qualifiers:</b>	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
<b>Fish Ingestion Standards Apply</b>	pH	6.5 - 9.0	---	Beryllium	---	---
<b>Other:</b>	chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	<b>Inorganic (mg/L)</b>			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	160
	Nitrite	---	0.5	Nickel	TVS	TVS
	Phosphorus	---	0.083*	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				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 details on TVS, TVS(tr), WS, temperature 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.