

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

**5 CCR 1002-36**

**REGULATION NO. 36  
CLASSIFICATIONS AND NUMERIC STANDARDS  
FOR  
RIO GRANDE BASIN**

**APPENDIX 36-1  
Stream Classifications and Water Quality Standards Tables**

Effective 12/31/2023

# REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Rio Grande Basin

1. All tributaries to the Rio Grande, including all wetlands, within the Weminuche Wilderness Area.							
CORGRG01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>  *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
			Inorganic (mg/L)		Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS	
2. Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3.							
CORGRG02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024  *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
			Inorganic (mg/L)		Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
	Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS	

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 36.6 for further details on applied standards.

# REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Rio Grande Basin

3. Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek.							
CORGRG03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Fish Ingestion Standards Apply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(chronic) = See 36.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI	TVS	TVS
		E. coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			
4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.							
CORGRG04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	varies*
Temporary Modification(s):		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---	Chromium III	---	TVS
Expiration Date of 12/31/2024		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations.		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron	---	WS	
*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	varies*	varies*

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 36.6 for further details on applied standards.

# REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Alamosa River/La Jara Creek/Conejos River Basins

12. Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.						
CORGAL12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable	Aq Life Warm 2 Water Supply Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340      ---
		<b>acute</b>	<b>chronic</b>	Arsenic(T)		
		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0      ---
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---
<b>Other:</b>		E. coli (per 100 mL)	---	126	Chromium III(T)	50      ---
Temporary Modification(s):		<b>Inorganic (mg/L)</b>			Chromium VI	TVS      TVS
Arsenic(chronic) = hybrid		<b>acute</b>	<b>chronic</b>	Copper		
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Iron	---
Discharger Specific Variance(s):		Boron	---	0.75	Iron(T)	---
Nitrate(acute) = See Section 36.6(6)		Chloride	---	250	Lead	TVS      TVS
for details on the variance for the Town		Chlorine	0.019	0.011	Lead(T)	50      ---
of La Jara.		Cyanide	0.005	---	Manganese	TVS      TVS/WS
Expiration Date of 12/31/2025		Nitrate	10	---	Manganese(T)	---
*Phosphorus(chronic) = applies only above the		Nitrite	---	0.05	Mercury(T)	---
facilities listed at 36.5(4).		Phosphorus	---	TVS*	Molybdenum(T)	---
*Uranium(acute) = See 36.5(3) for details.		Sulfate	---	WS	Nickel	TVS      TVS
*Uranium(chronic) = See 36.5(3) for details.		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS      TVS
					Silver	TVS      TVS
					Uranium	varies*      varies*
					Zinc	TVS      TVS

  

13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.						
CORGAL13	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute      chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340      ---
		<b>acute</b>	<b>chronic</b>	Arsenic(T)		
		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0      ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50      ---
Arsenic(chronic) = hybrid		E. coli (per 100 mL)	---	126	Chromium VI	TVS      TVS
Expiration Date of 12/31/2024		<b>Inorganic (mg/L)</b>			Copper	TVS      TVS
*Phosphorus(chronic) = applies only above the		<b>acute</b>	<b>chronic</b>	Iron		
facilities listed at 36.5(4).		Ammonia	TVS	TVS	Iron(T)	---
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Lead	TVS      TVS
*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Lead(T)	50      ---
		Chlorine	0.019	0.011	Manganese	TVS      TVS/WS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	---	0.05	Nickel	TVS      TVS
		Phosphorus	---	TVS*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS      TVS
		Sulfide	---	0.002	Silver	TVS      TVS(tr)
					Uranium	varies*      varies*
					Zinc	TVS      TVS

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 36.6 for further details on applied standards.

# REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Closed Basin-San Luis Valley River Basin

12c. Mainstem of Saguache Creek, including all tributaries and wetlands, from a point just below the confluence with Ford Creek to Hwy 285.							
CORGCB12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340	---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.					<b>Inorganic (mg/L)</b>		
*Uranium(chronic) = See 36.5(3) for details.					<b>acute</b>	<b>chronic</b>	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	TVS	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

  

13. Mainstem of Saguache Creek from Hwy 285 to the confluence with San Luis Creek. Mainstem of Russell Creek from its source at Russell Springs to the confluence with La Garita Creek. Mainstem of Cottonwood Creek downstream of the Rio Grande National Forest Boundary.							
CORGCB13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2 Recreation E Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340	---
			<b>acute</b>	<b>chronic</b>	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Water + Fish Standards Apply</b>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
<b>Other:</b>		E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):					<b>Inorganic (mg/L)</b>		
Arsenic(chronic) = hybrid					<b>acute</b>	<b>chronic</b>	
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	0.5	Mercury(T)	---	0.01
		Phosphorus	---	TVS	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 36.6 for further details on applied standards.