

**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 06/30/~~2020~~2021

Abbreviations and Acroynms

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

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

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		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	acute
	Recreation E		acute	chronic	Arsenic(T)	340
	Water Supply				Cadmium	TVS
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	5.0
Other:		D.O. (spawning)	---	7.0	Chromium III	---
		pH	6.5 - 9.0	---	Chromium III(T)	50
		chlorophyll a (mg/m ²)	---	---	Chromium VI	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	varies*
*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Uranium(acute) = See 36.5(3) for details.						
*Uranium(chronic) = See 36.5(3) for details.						
*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
Inorganic (mg/L)						
		acute		chronic		
Ammonia		TVS		TVS		Manganese
Boron		---		0.75		Mercury(T)
Chloride		---		250		Molybdenum(T)
Chlorine		0.019		0.011		Nickel
Cyanide		0.005		---		Nickel(T)
Nitrate		10		---		Selenium
Nitrite		0.05		---		Silver
Phosphorus		---		---		Uranium
Sulfate		---		WS		Zinc
Sulfide		---		0.002		

7. Mainstem of West Willow Creek from the Park Regent Mine dump (37.890445, -106.936868) to the confluence with East Willow Creek. Mainstem of Willow Creek, including all tributaries, from the confluence of East and West Willow Creeks to the confluence with the Rio Grande.						
CORGRG07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	acute
	Recreation E		acute	chronic	Arsenic(T)	340
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	varies*
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---
		chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS
		E. Coli (per 100 mL)	---	126	Copper	varies*
					Iron(T)	---
					Lead	varies*
					Manganese	varies*
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	varies*
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 36.5(4).						
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).						
*Cadmium(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Copper(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Copper(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Lead(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Lead(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Manganese(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations.						
*Uranium(acute) = See 36.5(3) for details.						
*Uranium(chronic) = See 36.5(3) for details.						
*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.						
*Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.						

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.