

**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 9/30/2022

## Abbreviations and Acronyms

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

# REGULATION #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	Metals (ug/L)		
Reviewable	Aq Life Warm 2 Water Supply Recreation E	acute	chronic	acute	chronic	
	Temperature °C	WS-II	WS-II	Arsenic	340	---
	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	pH	6.5 - 9.0	---	Cadmium	TVS	TVS
	chlorophyll a (mg/m2)	---	150*	Cadmium(T)	5.0	---
	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	---	Lead(T)	50	---
	Nitrate	10	---	Manganese	TVS	TVS/WS
	Nitrite	---	0.05	Manganese(T)	---	200
	Phosphorus	---	0.17*	Mercury(T)	---	0.01
	Sulfate	---	WS	Molybdenum(T)	---	150
	Sulfide	---	0.002	Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

  

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	Metals (ug/L)		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	acute	chronic	acute	chronic	
	Temperature °C	CS-II	CS-II	Arsenic	340	---
	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
	chlorophyll a (mg/m2)	---	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	Lead(T)	50	---
	Cyanide	0.005	---	Manganese	TVS	TVS/WS
	Nitrate	10	---	Mercury(T)	---	0.01
	Nitrite	---	0.05	Molybdenum(T)	---	150
	Phosphorus	---	0.11*	Nickel	TVS	TVS
	Sulfate	---	WS	Nickel(T)	---	100
	Sulfide	---	0.002	Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS

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

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

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

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Reserved.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.