

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

**5 CCR 1002-34**

**REGULATION NO. 34  
CLASSIFICATIONS AND NUMERIC STANDARDS  
FOR  
SAN JUAN RIVER AND DOLORES RIVER BASINS**

**APPENDIX 34-1  
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 <sup>2</sup>	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
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 #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.							
COSJLP07A	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	---	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic	---	
Other:		pH	6.5 - 9.0	---	Arsenic(T)	---	
<del>Temporary Modification(s):</del>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Beryllium	---	
<del>Ammonia(ac/ch) = current conditions*</del>		E. Coli (per 100 mL)	---	126	Cadmium	TVS      TVS	
<del>Expiration Date of 6/30/2024.</del>		Inorganic (mg/L)			Chromium III(T)	---	100
<del>Discharger Specific Variance(s):</del>		acute	chronic	Chromium VI	TVS	TVS	
<del>Ammonia (acute/chronic) = See Section 34.6(d) for details on variance for Vista Verde Village Mobile Home Park.</del>		Ammonia	TVS	TVS	Copper	TVS      TVS	
<del>Expiration Date of 6/30/2031.</del>		Boron	---	0.75	Iron(T)	---	2200
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 34.5(5).		Chloride	---	---	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Chlorine	0.019	0.011	Manganese	TVS	TVS
*TempMod: Ammonia = Adopted 8/14/2006		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
10. All tributaries to the San Juan River in Montezuma Dolores and San Miguel Counties, including all wetlands, except for the specific listings in Segments 2 through 8c and Segments 10b and 11.							
COSJLP10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute      chronic			
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-III    WS-III	Aluminum	---	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic	---	
Other:		pH	6.5 - 9.0	---	Arsenic(T)	---	
<del>Discharger Specific Variance(s):</del>		chlorophyll a (mg/m <sup>2</sup> )	---	150*	Beryllium	---	
<del>Ammonia (acute/chronic) = See Section 34.6(e) for details on variance for the Town of Dove Creek.</del>		E. Coli (per 100 mL)	---	126	Beryllium(T)	---	
<del>Expiration Date of 6/30/2025.</del>		Inorganic (mg/L)			Cadmium	TVS	TVS
*chlorophyll a (mg/m <sup>2</sup> )(chronic) = applies only above the facilities listed at 34.5(5).		acute	chronic	Chromium III	TVS	TVS	
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Ammonia	TVS	TVS	Chromium III(T)	---	
		Boron	---	0.75	Chromium VI	TVS	
		Chloride	---	---	Copper	TVS	
		Chlorine	0.019	0.011	Iron(T)	---	
		Cyanide	0.005	---	Lead	TVS	
		Nitrate	100	---	Manganese	TVS	
		Nitrite	---	---	Mercury	---	
		Phosphorus	---	0.17*	Molybdenum(T)	---	
		Sulfate	---	---	Nickel	TVS	
		Sulfide	---	0.002	Selenium	TVS	
					Silver	TVS	
					Uranium	---	
					Zinc	TVS	

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

D.O. = dissolved oxygen  
 DM = daily maximum  
 MWAT = maximum weekly average temperature  
 See 34.6 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) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.
- (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.