

**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 ²	=	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

Animas and Florida River Basins

3b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.							
COSJAF03B	Classifications		Physical and Biological			Metals (ug/L)	
Designation	Recreation E	5/15 - 9/10	DM	MWAT	acute		chronic
UP	Recreation N	9/11 - 5/14					
Qualifiers:			acute	chronic			
Other: Temporary Modification(s): Copper(ac/ch) = current condition* Expiration Date of 12/31/2022 *The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b. *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *TempMod: Copper = Adopted 6/12/2006	D.O. (mg/L)		---	3.0	---	---	
	pH		6.0-9.0	---	---	---	
	chlorophyll a (mg/m ²)		---	150*	---	---	
	E. Coli (per 100 mL)	5/15 - 9/10	---	126	---	---	
	E. Coli (per 100 mL)	9/11 - 5/14	---	630	---	---	
	Inorganic (mg/L)						
				acute	chronic		
	Ammonia		---	---	---	---	---
	Boron		---	---	---	---	---
	Chloride		---	---	---	---	---
	Chlorine		---	---	---	---	---
	Cyanide		---	---	---	---	---
	Nitrate		---	---	---	---	---
	Nitrite		---	---	---	---	---
	Phosphorus		---	---	---	---	---
Sulfate		---	---	---	---	---	
Sulfide		---	---	---	---	---	

4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.							
COSJAF04A	Classifications		Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute		chronic
UP	Aq Life Cold 2*		CS-I	CS-I			
UP	Recreation E						
Qualifiers:			acute	chronic			
Other: Temporary Modification(s): Copper(ac/ch) = current condition* Expiration Date of 12/31/2022 *Classification: Aquatic life indicator goal: Brook Trout *Aluminum(acute) = Standards are listed on Table 1. *Aluminum(chronic) = Standards are listed on Table 1. *Iron(chronic) = Standards are listed on Table 1. *Zinc(acute) = Standards are listed on Table 1. *Zinc(chronic) = Standards are listed on Table 1. *pH(acute) = Standards are listed on Table 1. *TempMod: Copper = Adopted 6/12/2017	Temperature °C		CS-I	CS-I	varies*	varies*	
	D.O. (mg/L)		---	6.0	340	---	
	D.O. (spawning)		---	7.0	---	100	
	pH		varies*	---	TVS	TVS	
	chlorophyll a (mg/m ²)		---	---	TVS	TVS	
	E. Coli (per 100 mL)		---	126	---	100	
	Inorganic (mg/L)						
				acute	chronic		
	Ammonia		TVS	TVS	---	varies*	
	Boron		---	0.75	TVS	TVS	
	Chloride		---	---	---	0.01(t)	
	Chlorine		0.019	0.011	---	150	
	Cyanide		0.005	---	TVS	TVS	
	Nitrate		100	---	TVS	TVS	
	Nitrite		---	---	TVS	TVS(tr)	
Phosphorus		---	---	---	---		
Sulfate		---	---	varies*	varies*		
Sulfide		---	0.002				

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.

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

9. Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).							
COSJLP09	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture Aq Life Warm 2 Recreation E	Temperature °C	WS-III	WS-III	Aluminum	---	---
			acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
Ammonia(ac/ch) = current conditions*		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
Expiration Date of 6/30/2024			Inorganic (mg/L)		Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		Ammonia	TVS	TVS	Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Boron	---	0.75	Iron(T)	---	1000
*TempMod: Ammonia = Adopted 8/14/2006		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		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	---	250	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

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T = total recoverable
t = total
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sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards.