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 06/30/20202021

Abbreviations and Acroynms

Aq °C Aquatic =

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 = Escherichia coli EQ existing quality mg/L milligrams per liter

 $mg/m^2 =$ milligrams per square meter

mĹ

MWAT = maximum weekly average temperature

OW outstanding waters

sculpin SC =

SSE site-specific equation total recoverable Τ =

total t = tr trout

TVS = table value standard μg/L micrograms per liter = ÜP 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

COSJAF03B	Classifications		Physic	al and Biologi	cal		Metals (ug/L)			
Designation	Recreation E	5/15 - 9/10			DM	MWAT		acute	chronic	
JP	Recreation N	9/11 - 5/14					Aluminum			
Qualifiers:					acute	chronic	Arsenic			
Other:		D.O. (mg/L)			3.0	Beryllium				
			pH		6.0-9.0		Cadmium			
Temporary Modification(s): Copper(ac/ch) = current condition*			chlorophyll a (mg/m²)			150*	Chromium III			
Expiration Date of 12/31/2022			E. Coli (per 100 mL)	5/15 - 9/10		126	Chromium VI			
*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc		E. Coli (per 100 mL)	9/11 - 5/14		630	Copper				
						Iron				
	d toward maintainir standards establish		Inorganic (mg/L)				Lead			
water quality standards established for segments 4a and 4b. *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5).				acute	chronic	Manganese				
		Ammonia				Mercury				
TempMod: Copper = Adopted 6/12/2006		Boron				Molybdenum(T)				
		Chloride				Nickel				
			Chlorine				Selenium			
			Cyanide				Silver			
			Nitrate				Uranium			
			Nitrite				Zinc			
			Phosphorus							
			i ilospilorus							
			Sulfate							
	of the Animas Rive	er, including wetland	Sulfate Sulfide	ely above the co			reek to a point immediately	y above the confluenc	e with Deer F	
Creek.	T	er, including wetland	Sulfate Sulfide s, from a point immediate	ely above the co	onfluence w			y above the confluenc	e with Deer F	
Creek.		er, including wetland	Sulfate Sulfide s, from a point immediate		onfluence w				e with Deer F chronic	
creek. COSJAF04A Designation	Classifications	er, including wetland	Sulfate Sulfide s, from a point immediate		onfluence w	 rith Mineral C		Metals (ug/L)		
creek. COSJAF04A Designation	Classifications Agriculture	er, including wetland	Sulfate Sulfide s, from a point immediate		cal	 oith Mineral C	1	Metals (ug/L) acute	chronic	
Creek. COSJAF04A Designation	Classifications Agriculture Aq Life Cold 2*	er, including wetland	Sulfate Sulfide s, from a point immediate		cal DM CS-I	ith Mineral C MWAT CS-I	Aluminum	Metals (ug/L) acute varies*	chronic varies*	
Creek. COSJAF04A Designation UP Qualifiers:	Classifications Agriculture Aq Life Cold 2*	er, including wetland	Sulfate Sulfide s, from a point immediate Physic Temperature °C		cal DM CS-I acute	ith Mineral C MWAT CS-I chronic	Aluminum Arsenic	Metals (ug/L) acute varies*	chronic varies*	
Creek. COSJAF04A Designation IP Qualifiers:	Classifications Agriculture Aq Life Cold 2* Recreation E	er, including wetland	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L)		cal DM CS-I acute	mwat CS-I chronic 6.0	Aluminum Arsenic Arsenic(T)	Metals (ug/L) acute varies* 340	chronic varies*	
Creek. COSJAF04A Designation	Classifications Agriculture Aq Life Cold 2* Recreation E		Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning)		cal DM CS-I acute	mwat CS-I chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium	Metals (ug/L) acute varies* 340	chronic varies* 100	
Creek. COSJAF04A Designation UP Qualifiers: Other: Copper(ac/ch	Classifications Agriculture Aq Life Cold 2* Recreation E Indidification(s):		Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH		cal DM CS-I acute	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium	Metals (ug/L) acute varies* 340 TVS	chronic varies* 100 TVS	
Creek. COSJAF04A Designation UP Qualifiers: Comporary N Copper(ac/ch Expiration Da	Classifications Agriculture Aq Life Cold 2* Recreation E Iodification(s):) = current condition te of 12/31/2022	n <u>*</u>	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²)		DM CS-I acute varies*	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III	Metals (ug/L) acute varies* 340 TVS TVS	chronic varies* 100 TVS TVS	
Creek. COSJAF04A Designation IP Qualifiers: Cherry Copper(ac/ch Expiration Da Classificatior	Classifications Agriculture Aq Life Cold 2* Recreation E Indidification(s):	n <u>*</u>	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	al and Biologi	cal DM CS-I acute varies*	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)	Metals (ug/L) acute varies* 340 TVS TVS	chronic varies* 100 TVS TVS	
Creek. COSJAF04A Designation UP Qualifiers: Comporary M Copper(ac/ch expiration Da Classification rout Aluminum(ac	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current condition te of 12/31/2022 a: Aquatic life indication cute) = Standards a	n <u>*</u> ator goal: Brook re listed on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)		cal DM CS-I acute varies*	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS	chronic varies* 100 TVS TVS 100 TVS	
Creek. COSJAF04A Designation	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current condition te of 12/31/2022 a: Aquatic life indication cute) = Standards a	n <u>*</u> ator goal: Brook	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	al and Biologi	DM CS-I acute varies*	rith Mineral C MWAT CS-I chronic 6.0 7.0 126	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS TVS	chronic varies* 100 TVS TVS 100 TVS TVS	
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creek. COSJAF04A Designation	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current conditionate of 12/31/2022 a: Aquatic life indicationate of the color of t	n*_ ator goal: Brook re listed on Table 1. are listed on Table sted on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	al and Biologi	cal DM CS-I acute varies* acute TVS	mwat CS-I chronic 6.0 7.0 126	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Lead	Metals (ug/L) acute varies* 340 TVS	chronic varies* 100 TVS TVS 100 TVS TVS TVS TVS Varies*	
Creek. COSJAF04A Designation RP Rualifiers: Comporary M Copper(ac/ch expiration Da Classification rout Aluminum(ac Aluminum(ch lron(chronic) Zinc(acute) =	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current conditionate of 12/31/2022 a: Aquatic life indicature) = Standards aronic) = Standards = Standards are life	n*_ ator goal: Brook re listed on Table 1. are listed on Table sted on Table 1. ed on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	al and Biologi	cal DM CS-I acute varies* acute TVS	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Lead Manganese	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS TVS TVS TVS	chronic varies* 100 TVS TVS 100 TVS TVS TVS Varies* TVS	
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Creek. COSJAF04A Designation JP Qualifiers: Copper(ac/ch Expiration Da Classification Classification Copper(ac/ch Aluminum(ac Aluminum(ch Iron(chronic) Zinc(acute) = Zinc(chronic) pH(acute) =	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current condition te of 12/31/2022 a: Aquatic life indication(c) = Standards are list = Standards are list = Standards are list = Standards are list	n* ator goal: Brook re listed on Table 1. are listed on Table sted on Table 1. ed on Table 1. d on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide	al and Biologi	DM CS-I acute varies* TVS 0.019 0.005		Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury Molybdenum(T) Nickel	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS TVS TVS TVS	chronic varies* 100 TVS TVS 100 TVS TVS Varies* TVS TVS 0.01(t) 150 TVS	
Creek. COSJAF04A Designation JP Qualifiers: Copper(ac/ch Expiration Da Classification Classification Copper(ac/ch Aluminum(ac Aluminum(ch Iron(chronic) Zinc(acute) = Zinc(chronic) pH(acute) =	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current condition te of 12/31/2022 a: Aquatic life indication(s) = Standards are listed and a standards are listed to s	n* ator goal: Brook re listed on Table 1. are listed on Table sted on Table 1. ed on Table 1. d on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate	al and Biologi	cal DM CS-I acute varies* TVS 0.019 0.005 100	inth Mineral C MWAT CS-I chronic 6.0 7.0 126 Chronic TVS 0.75 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Lead Manganese Mercury Molybdenum(T) Nickel Selenium	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS TVS TVS TVS	Chronic varies* 100 TVS TVS 100 TVS TVS Varies* TVS 0.01(t) 150 TVS	
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Creek. COSJAF04A Designation JP Qualifiers: Emporary N Copper(ac/ch Expiration Da Classification Trout Aluminum(ac Aluminum(ch Iron(chronic) Zinc(acute) = Zinc(chronic) pH(acute) =	Classifications Agriculture Aq Life Cold 2* Recreation E dodification(s):) = current condition te of 12/31/2022 a: Aquatic life indication(s) = Standards are listed and a standards are listed to s	n* ator goal: Brook re listed on Table 1. are listed on Table sted on Table 1. ed on Table 1. d on Table 1.	Sulfate Sulfide s, from a point immediate Physic Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate	al and Biologi	cal DM CS-I acute varies* TVS 0.019 0.005 100	ith Mineral C MWAT CS-I chronic 6.0 7.0 126 Chronic TVS 0.75 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Lead Manganese Mercury Molybdenum(T) Nickel Selenium	Metals (ug/L) acute varies* 340 TVS TVS TVS TVS TVS TVS TVS	Chronic varies* 100 TVS TVS 100 TVS TVS Varies* TVS 0.01(t) 150 TVS	

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

COSJLP09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
JP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
Qualifiers:		D.O. (mg/L)		5.0	Arsenic(T)		100
Other: Temporary Modification(s): Ammonia(ac/ch) = current conditions* Expiration Date of 6/30/2021		рН	6.5 - 9.0		Beryllium		
		chlorophyll a (mg/m²)		150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)		126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)		100
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		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