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

5 CCR 1002-37

REGULATION NO. 37
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
LOWER COLORADO RIVER BASIN

APPENDIX 37-1
Stream Classifications and Water Quality Standards Tables

Effective 06/30/2019

## **REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS** Lower Yampa/Green River

io. Manisterii	of the Little Shake River from a	a point immediately above the confluence	e with Powder was	ii to the com	luence with the Yampa Riv	er.	
COLCLY16	Classifications	Physical and	Biological		ı	Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02-10 <sup>A</sup>
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m²)		150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)		126	Chromium III		TVS
		Inorganic (mg/L)			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)		4400
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005		Manganese	TVS	TVS/WS
		Nitrate	10		Mercury		0.01(t)
		Nitrite		0.05	Molybdenum(T)		160
		Phosphorus		0.17	Nickel	TVS	TVS
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS
					Uranium		
					<b>-</b> :	T\/C	T\ (C
					Zinc	TVS	TVS
		om its first crossing of the Colorado/Wyo	oming border to a p	oint immedia			
specific listing	aries to the Little Snake River from the Segment 18.  Classifications	om its first crossing of the Colorado/Wyo		oint immedia	Itely below the confluence v		
specific listing	in Segment 18.			oint immedia	Itely below the confluence v	with Fourmile Creek, e	
specific listing COLCLY17A	in Segment 18.  Classifications		Biological		Itely below the confluence v	with Fourmile Creek, of	except for the
specific listing COLCLY17A Designation	in Segment 18.  Classifications  Agriculture	Physical and	Biological DM	MWAT	tely below the confluence v	vith Fourmile Creek, of Metals (ug/L) acute	except for the
specific listing COLCLY17A Designation	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and	Biological  DM  CS-II	MWAT CS-II	tely below the confluence of	vith Fourmile Creek, of Metals (ug/L) acute 	chronic
specific listing COLCLY17A Designation Reviewable	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C	Biological  DM  CS-II  acute	MWAT CS-II chronic	Aluminum Arsenic	with Fourmile Creek, of Metals (ug/L)  acute 340	chronic
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)	Biological  DM  CS-II  acute	MWAT CS-II chronic 6.0	Aluminum Arsenic Arsenic(T)	with Fourmile Creek, of Metals (ug/L)  acute  340	chronic 7.6
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L) D.O. (spawning)	DM CS-II acute	MWAT CS-II chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium	with Fourmile Creek, of Metals (ug/L)  acute  340	chronic 7.6
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH	DM CS-II acute  6.5 - 9.0	MWAT CS-II chronic 6.0 7.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr)	chronic 7.6 TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning)  pH  chlorophyll a (mg/m²)	DM CS-II acute  6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS	chronic 7.6 TVS TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	DM CS-II acute  6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)	with Fourmile Creek, of Metals (ug/L)  acute  340  TVS(tr) TVS	chronic 7.6 TVS TVS 100
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	DM CS-II acute  6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS TVS	chronic 7.6 TVS TVS 100 TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	DM CS-II acute  6.5 - 9.0 	MWAT CS-II chronic 6.0 7.0 150 205	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper	with Fourmile Creek, of Metals (ug/L)  acute 340 TVS(tr) TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning)  pH  chlorophyll a (mg/m²)  E. Coli (per 100 mL)	DM   CS-II   acute     6.5 - 9.0       ic (mg/L)   acute	MWAT CS-II chronic 6.0 7.0 150 205	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T)	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 1000
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron(T) Lead	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 1000 TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia Boron	DM   CS-II   acute	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron(T) Lead Manganese	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS TVS TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 1000 TVS TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani Ammonia Boron Chloride	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L)  acute TVS	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS	chronic 7.6 TVS TVS 100 TVS TVS 1000 TVS TVS 0.01(t)
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia Boron Chloride Chlorine	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L)  acute  TVS 0.019	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T)	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS TVS TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 1000 TVS TVS 0.01(t)
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L)  D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia Boron Chloride Chlorine Cyanide	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS	Chronic 7.6 TVS TVS 100 TVS TVS 1000 TVS TVS 0.01(t) 160 TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia Boron Chloride Chlorine Cyanide Nitrate	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L)  acute  TVS 0.019 0.005 100	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS	Chronic 7.6 TVS TVS 100 TVS 1000 TVS TVS 0.01(t) 160 TVS TVS
specific listing COLCLY17A Designation Reviewable Qualifiers:	in Segment 18.  Classifications  Agriculture  Aq Life Cold 1	Physical and Temperature °C  D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)  Inorgani  Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	Biological  DM  CS-II  acute 6.5 - 9.0 ic (mg/L)  acute TVS 0.019 0.005 100	MWAT CS-II chronic 6.0 7.0 150 205  chronic TVS 0.75 0.011 0.05	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver	with Fourmile Creek, of Metals (ug/L)  acute  340 TVS(tr) TVS	Chronic 7.6 TVS TVS 100 TVS 1000 TVS TVS 0.01(t) 160 TVS TVS

sc = sculpin

## **REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Colorado River**

4e Mainstem of Dry Creek including all tributaries		mmediately above th		ce Ditch			
COLCLC04E Classifications	nd wetlands from the source to immediately above the Last Chan  Physical and Biological			Metals (ug/L)			
Designation Agriculture	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DM	MWAT		acute	chronic	
UP Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum			
Recreation N		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/m²)			Cadmium	TVS	TVS	
Copper(ac/ch) = current conditions	E. Coli (per 100 mL)		630	Chromium III	TVS	TVS	
Expiration Date of 12/31/2019	Inorganic (mg/L)			Chromium III(T)		100	
*Phosphorus(chronic) = applies only above the		acute	chronic	Chromium VI	TVS	TVS	
facilities listed at 37.5(4).	Ammonia	TVS	TVS	Copper	TVS	TVS	
*Iron(T)(chronic) = 3500(T) ug/L on unnamed tributary	Boron		0.75	Iron(T)		varies*	
and 5900(T) ug/L on Dry Creek, see section 37.6(4)(c) for iron assessment locations.	Chloride			Lead	TVS	TVS	
37.0(4)(c) for fron assessment locations.	Chlorine	0.019	0.011	Manganese	TVS	TVS	
	Cyanide	0.005		Mercury		0.01(t)	
	Nitrate	100		Molybdenum(T)		160	
	Nitrite		0.05	Nickel	TVS	TVS	
	Phosphorus		0.11*	Selenium	TVS	TVS	
	Sulfate			Silver	TVS	TVS	
	Sulfide		0.002	Uranium			
				Zinc	TVS	TVS	
4f. Mainstem of Dry Creek including all tributaries a	Ind wetlands from a point immedi	ately above the Last	Chance Ditc	h to the confluence with the	Colorado River.		
COLCLC04F Classifications	Physical and Biological			Metals (ug/L)			
Designation Agriculture		DM	MWAT		acute	chronic	
Reviewable Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum			
Recreation N		acute	chronic	Arsenic	340		
Qualifiers:	D.O. (mg/L)		6.0	Arsenic(T)		7.6	
Other:	pН	6.5 - 9.0		Beryllium			
*DI	chlorophyll a (mg/m²)			Cadmium	TVS	TVS	
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).	E. Coli (per 100 mL)		630	Chromium III	TVS	TVS	
	Inorgai	nic (mg/L)		Chromium III(T)		100	
		acute	chronic	Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS	
	Boron		0.75	Iron(T)		1000	
	Chloride			Lead	TVS	TVS	
	Chlorine	0.019	0.011	Manganese	TVS	TVS	
	Cyanide	0.005		Mercury		0.01(t)	
	Nitrate	100		Molybdenum(T)		160	
	Nitrite		0.05	Nickel	TVS	TVS	
	Phosphorus		0.11*	Selenium	TVS	TVS	
	Sulfate			Silver	TVS	TVS	
	Sulfide		0.002	Uranium			
				Zinc	TVS	TVS	

tr = troutsc = sculpin