

**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 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>
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 #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Lower Colorado River

4e. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to immediately above the Last Chance Ditch.						
COLCLC04E	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---      100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS      TVS
Other:	*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Iron(T)(chronic) = 3500(T) ug/L on unnamed tributary and 5900(T) ug/L on Dry Creek, see section 37.6(4)(c) for iron assessment locations. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	TVS      TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---      100
		E. coli (per 100 mL)	---	630	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron(T)	---      varies*	
		Ammonia	TVS	TVS	Lead	TVS      TVS
		Boron	---	0.75	Manganese	TVS      TVS
		Chloride	---	---	Mercury(T)	---      0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---      150
		Cyanide	0.005	---	Nickel	TVS      TVS
		Nitrate	100	---	Selenium	TVS      TVS
		Nitrite	---	0.05	Silver	TVS      TVS
		Phosphorus	---	0.11*	Uranium	varies*      varies*
		Sulfate	---	---	Zinc	TVS      TVS
		Sulfide	---	0.002		

  

4f. Mainstem of Dry Creek including all tributaries and wetlands from a point immediately above the Last Chance Ditch 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 Recreation N	Temperature °C	CS-II	CS-II	Arsenic	340      ---
		acute	chronic	Arsenic(T)	---      7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS      TVS
Other:	*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	TVS      TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	---      100
		E. coli (per 100 mL)	---	630	Chromium VI	TVS      TVS
		Inorganic (mg/L)			Copper	TVS      TVS
		acute	chronic	Iron(T)	---      1000	
		Ammonia	TVS	TVS	Lead	TVS      TVS
		Boron	---	0.75	Manganese	TVS      TVS
		Chloride	---	---	Mercury(T)	---      0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---      150
		Cyanide	0.005	---	Nickel	TVS      TVS
		Nitrate	100	---	Selenium	TVS      TVS
		Nitrite	---	0.05	Silver	TVS      TVS
		Phosphorus	---	0.11*	Uranium	varies*      varies*
		Sulfate	---	---	Zinc	TVS      TVS
		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 37.6 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.