

# REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Upper South Platte River Basin

15. Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado, to a point immediately below the confluence with Big Dry Creek.							
COSPUS15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Warm 1	acute	chronic	acute	chronic		
	Recreation E	Temperature °C	WS-I	WS-I	Arsenic	340	---
	Water Supply				Arsenic(T)	---	0.02
<b>Qualifiers:</b>		D.O. (mg/L)	varies*	varies*	Cadmium	TVS	TVS
<b>Other:</b>		pH	6.0-9.0*	---	Cadmium(T)	5.0	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Expiration Date of 12/31/2024		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Discharger Specific Variance(s):		<b>Inorganic (mg/L)</b>			Copper	---	TVS*
Selenium(acute) = TVS: no limit					Copper	TVS*	---
Selenium(chronic) = TVS: 24 µg/L					Iron	---	WS
Expiration Date of 12/31/2023					Iron(T)	---	1000
*Ammonia(acute) = See section 38.6(4) for site-specific standards.		Ammonia	TVS*	TVS*	Lead	TVS	TVS
*Ammonia(chronic) = See section 38.6(4) for site-specific standards.		Boron	---	0.75	Lead(T)	50	---
*Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=26.4 ug/l		Chloride	---	250	Manganese	TVS	TVS/400
Downstream of the Metro Hite WWTF outfall.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
*Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)= 18.0 ug/l		Cyanide	0.005	---	Molybdenum(T)	---	150
Downstream of the Metro Hite WWTF outfall.		Nitrate	10	---	Nickel	TVS	TVS
*Uranium(acute) = See 38.5(3) for details.		Nitrite	1.0	---	Nickel(T)	---	100
*Uranium(chronic) = See 38.5(3) for details.		Phosphorus	---	---	Selenium	TVS	TVS
*D.O. (mg/L)(acute) = See section 38.6(4) for site-specific standards.		Sulfate	---	WS	Silver	TVS	TVS
*D.O. (mg/L)(chronic) = See section 38.6(4) for site-specific standards.		Sulfide	---	0.002	Uranium	varies*	varies*
*pH(acute) = 6.0 - 9.0 from 64th Ave. downstream 2 miles					Zinc	TVS	TVS
*Variance: Selenium = see 38.6(6) for details.							
16a. Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.							
COSPUS16A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Warm 2	acute	chronic	acute	chronic		
	Water Supply	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E				Arsenic(T)	---	0.02-10 <sup>A</sup>
<b>Qualifiers:</b>		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Other:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
*Uranium(acute) = See 38.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
*Uranium(chronic) = See 38.5(3) for details.		E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
		<b>Inorganic (mg/L)</b>			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen  
DM = daily maximum  
MWAT = maximum weekly average temperature  
See 38.6 for further details on applied standards.