

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

1a. Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.						
COSPMS01A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02	
Water Supply		D.O. (mg/L)	varies*	varies*	Cadmium	TVS TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Qualifiers:		chlorophyll a (mg/m ²)	---	TVS	Chromium III	--- TVS
Other:		E. coli (per 100 mL)	---	126	Chromium III(T)	50 ---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	26.4* ---	
Expiration Date of 12/31/2024		Ammonia	TVS*	TVS*	Copper	--- 18.0*
*Ammonia(acute) = See section 38.6(4) for site-specific standards.		Boron	---	0.75	Iron	--- WS
*Ammonia(chronic) = See section 38.6(4) for site-specific standards.		Chloride	---	250	Iron(T)	--- 1000
*Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=26.4 ug/l		Chlorine	0.019	0.011	Lead	TVS TVS
*Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)=18.0 ug/l		Cyanide	0.005	---	Lead(T)	50 ---
*Uranium(acute) = See 38.5(3) for details.		Nitrate	10	---	Manganese	TVS TVS/WS
*Uranium(chronic) = See 38.5(3) for details.		Nitrite	---	0.5	Mercury(T)	--- 0.01
*D.O. (mg/L)(acute) = See section 38.6(4) for site-specific standards.		Phosphorus	---	---	Molybdenum(T)	--- 150
*D.O. (mg/L)(chronic) = See section 38.6(4) for site-specific standards.		Sulfate	---	WS	Nickel	TVS TVS
		Sulfide	---	0.002	Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS
					Uranium	varies* varies*
					Zinc	TVS TVS
1b. Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.						
COSPMS01B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02	
Water Supply		D.O. (mg/L)	---	5.0	Cadmium	TVS TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Qualifiers:		chlorophyll a (mg/m ²)	---	TVS	Chromium III	--- TVS
Other:		E. coli (per 100 mL)	---	126	Chromium III(T)	50 ---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS TVS	
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Iron	--- WS
*Uranium(acute) = See 38.5(3) for details.		Boron	---	0.75	Iron(T)	--- 1000
*Uranium(chronic) = See 38.5(3) for details.		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.