

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16d. Second Creek, <u>including all tributaries</u> , from the source to the O'Brian Canal at 39.898789, 104.817661.						
COSPUS16D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Recreation E	Temperature °C	WS-III	WS-III	Arsenic	340 ---
		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	3.3*	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a	---	TVS	Chromium III(T)	---
*Uranium(acute) = See 38.5(3) for details.		E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS
*Uranium(chronic) = See 38.5(3) for details.		Inorganic (mg/L)			Copper	TVS TVS
*D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS TVS
		Boron	---	0.75	Manganese	TVS TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS TVS
		Nitrate	100	---	Selenium	TVS TVS
		Nitrite	---	0.5	Silver	TVS TVS
		Phosphorus	---	TVS*	Uranium	varies* varies*
		Sulfate	---	---	Zinc	TVS TVS
		Sulfide	---	0.002		

16e. Third Creek, <u>including all tributaries</u> , from the source to the O'Brian Canal at 39.917346, -104.784028.						
COSPUS16E	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2 Water Supply Recreation E	Temperature °C	WS-III	WS-III	Arsenic	340 ---
		acute	chronic	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		D.O. (mg/L)	---	4.0*	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
*Uranium(acute) = See 38.5(3) for details.		chlorophyll a	---	TVS	Chromium III	---
*Uranium(chronic) = See 38.5(3) for details.		E. coli (per 100 mL)	---	126	Chromium III(T)	50 ---
*D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.		Inorganic (mg/L)			Chromium VI	TVS TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS TVS
		Chlorine	0.019	0.011	Lead(T)	50 ---
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	---	0.5	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS TVS
					Silver	TVS TVS
					Uranium	varies* varies*
					Zinc	TVS TVS

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16f. Barr Lake Tributary, <u>including all tributaries</u> , from the source to the Denver Hudson Canal at 39.941142, -104.748387.							
COSPUS16F	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT	acute	chronic	
UP	Agriculture Aq Life Warm 2 Recreation E	Temperature °C	WS-III	WS-III	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	narrative*	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a	---	TVS	Chromium III(T)	---	100
		E. coli (per 100 mL)	---	126	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	---	0.5	Silver	TVS	TVS
		Phosphorus	---	TVS*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

*Uranium(acute) = See 38.5(3) for details.

*Uranium(chronic) = See 38.5(3) for details.

*D.O. (mg/L)(chronic) = When water is present, D.O. concentrations shall be maintained at levels that protect classified uses.

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3b. Hayesmount Tributaries, including all tributaries, including the Upper Hayesmount Tributary from the source to the confluence with Box Elder Creek and the Lower Hayesmount Tributaries from the source to the Denver Hudson Canal.

COSPMS03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E						
			acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	narrative*	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	---	100
*Uranium(acute) = See 38.5(3) for details.		E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 38.5(3) for details.					Copper	TVS	TVS
*D.O. (mg/L)(chronic) = When water is present, D.O. concentrations shall be maintained at levels that protect classified uses.					Inorganic (mg/L)		
						acute	chronic
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	---	0.5	Selenium	TVS	TVS
		Phosphorus	---	TVS	Silver	TVS	TVS
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS