## REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper South Platte River Basin

COSPUS16D	Classifications	from the source to the O'Brian Canal at 39.89878  Physical and Biological			l M	Metals (ug/L)			
Designation		1, 00	DM	MWAT		acute	chronic		
JP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340			
	Recreation E	remperature o	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). *Uranium(acute) = See 38.5(3) for details. *Uranium(chronic) = See 38.5(3) for		chlorophyll a		TVS	Chromium III(T)		100		
		L. con (per 100		126	Chromium VI	TVS	TVS		
		Inorgan	ic (mg/L)		Copper	TVS	TVS		
		o. gan	acute	chronic	Iron(T)		1000		
details. D O (mg/L)(c	chronic) = 15th percentile of	Ammonia	TVS	TVS	Lead	TVS	TVS		
*D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.		Boron		0.75	Manganese	TVS	TVS		
		Chloride			Mercury(T)		0.01		
		Chlorine	0.019	0.011	Molybdenum(T)		150		
		Cyanide	0.019		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	2.110	110	110		
16e Third Cre	ek, including all tributaries, fr				104 784028				
	Classifications	Physical and		9.917340, -		letals (ug/L)			
Designation		, , , , ,	DM	MWAT		acute	chronic		
JP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340			
·	Water Supply	1	acute	chronic	Arsenic(T)		0.02-10		
	Recreation E	D.O. (mg/L)		4.0*	Cadmium	TVS	TVS		
Qualifiers:		pH	6.5 - 9.0		Cadmium(T)				
Other:		•				5.0			
)ther		chlorophyll a		TVS	ì í	5.0			
Other:		E. coli (per 100		TVS	Chromium III		TVS		
	te) = See 38.5(3) for details.	E. coli (per 100			Chromium III Chromium III(T)	 50	TVS 		
:Uranium(acut :Uranium(chro	te) = See 38.5(3) for details. onic) = See 38.5(3) for	E. coli (per 100	  ic (mg/L)	TVS 126	Chromium III Chromium III(T) Chromium VI	50 TVS	TVS  TVS		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(c	onic) = See 38.5(3) for chronic) = 15th percentile of	E. coli (per 100	 ic (mg/L) acute	TVS 126 chronic	Chromium III Chromium III(T) Chromium VI Copper	 50	TVS  TVS TVS		
Uranium(acut Uranium(chro details. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan	  ic (mg/L)	TVS 126 <b>chronic</b> TVS	Chromium III Chromium III(T) Chromium VI Copper Iron	50 TVS	TVS TVS TVS WS		
Uranium(acut Uranium(chro details. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron	ic (mg/L) acute TVS	TVS 126 chronic TVS 0.75	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	 50 TVS TVS 	TVS TVS TVS WS 1000		
Uranium(acut Uranium(chro details. D.O. (mg/L)(c	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride	ic (mg/L) acute TVS	TVS 126 <b>chronic</b> TVS 0.75 250	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead	 50 TVS TVS  TVS	TVS TVS TVS WS		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine	ic (mg/L) acute TVS 0.019	TVS 126 chronic TVS 0.75 250 0.011	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T)	50 TVS TVS TVS 50	TVS TVS TVS WS 1000 TVS		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide	ic (mg/L) acute TVS 0.019 0.005	TVS 126 chronic TVS 0.75 250 0.011	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese	50 TVS TVS TVS 50 TVS 50 TVS	TVS TVS TVS WS 1000 TVS TVS/WS		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate	ic (mg/L) acute TVS 0.019 0.005	TVS 126 chronic TVS 0.75 250 0.011	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T)	50 TVS TVS TVS 50	TVS  TVS  TVS  WS  1000  TVS  TVS/WS  0.01		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate  Nitrite	ic (mg/L) acute TVS 0.019 0.005 10	TVS 126 chronic TVS 0.75 250 0.011  0.5	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T)	TVS TVS TVS TVS TVS TVS TVS TVS TOS	TVS TVS WS 1000 TVS TVS/WS 0.01 150		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate  Nitrite  Phosphorus	ic (mg/L) acute TVS 0.019 0.005 10	TVS 126  chronic TVS 0.75 250 0.011 0.5	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel	50 TVS TVS TVS 50 TVS 50 TVS	TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS		
Uranium(acut Uranium(chro details. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate  Nitrite  Phosphorus  Sulfate	ic (mg/L) acute TVS 0.019 0.005 10	TVS 126  chronic TVS 0.75 250 0.011 0.5 WS	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T)	TVS	TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100		
Uranium(acut Uranium(chro letails. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate  Nitrite  Phosphorus	ic (mg/L) acute TVS 0.019 0.005 10	TVS 126  chronic TVS 0.75 250 0.011 0.5	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	TVS	TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100 TVS		
Uranium(acut Uranium(chro details. D.O. (mg/L)(o D.O. measure	onic) = See 38.5(3) for chronic) = 15th percentile of ments collected between	E. coli (per 100  Inorgan  Ammonia  Boron  Chloride  Chlorine  Cyanide  Nitrate  Nitrite  Phosphorus  Sulfate	ic (mg/L) acute TVS 0.019 0.005 10	TVS 126  chronic TVS 0.75 250 0.011 0.5 WS	Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T)	TVS	TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100		

## REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper South Platte River Basin

16f. Barr Lake Tributary, including all tributaries, from the source to the Denver Hudson Canal at 39.941142, -104.748387.									
COSPUS16F	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT		acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340			
	Recreation E		acute	chronic	Arsenic(T)		100		
Qualifiers:		D.O. (mg/L)	r	arrative*	Cadmium	TVS	TVS		
Other:  *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		рН	6.5 - 9.0		Chromium III	TVS	TVS		
		chlorophyll a		TVS	Chromium III(T)		100		
		E. coli (per 100		126	Chromium VI	TVS	TVS		
*Uranium(acute) = See 38.5(3) for details.		Inorganic	(mg/L)		Copper	TVS	TVS		
*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.			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					

## REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle South Platte River Basin

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	Agriculture		DM	MWAT		acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340			
	Recreation E		acute	chronic	Arsenic(T)		100		
Qualifiers:		D.O. (mg/L)	n	arrative*	Cadmium	TVS	TVS		
*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.		pH	6.5 - 9.0		Chromium III	TVS	TVS		
		chlorophyll a (mg/m²)		TVS	Chromium III(T)		100		
		E. coli (per 100		126	Chromium VI	TVS	TVS		
		<i>'</i>			Copper	TVS	TVS		
		Inorganic (mg/L)			Iron(T)		1000		
			acute	chronic	Lead	TVS	TVS		
		Ammonia	TVS	TVS	Manganese	TVS	TVS		
		Boron		0.75	Mercury(T)		0.01		
		Chloride			Molybdenum(T)		150		
		Chlorine	0.019	0.011	Nickel	TVS	TVS		
		Cyanide	0.005		Selenium	TVS	TVS		
		Nitrate	100		Silver	TVS	TVS		
		Nitrite		0.5	Uranium	varies*	varies*		
		Phosphorus		TVS	Zinc	TVS	TVS		
		Sulfate					1,10		
		Sulfide		0.002					