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

2c. South Mos	auito Creek from the source to confl	uence with Mosquito Creek and No	Name Creek from	the source t	to the confluence with So	outh Mosquito Creek	
	Classifications	Physical and		Ture source	the confidence with Se	Metals (ug/L)	
Designation		,	DM	MWAT		acute	chronic
JP	Ag Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		6.0	Arsenic(T)		0.02
Qualifiers:		D.O. (spawning)		7.0	Beryllium		
Other:		pH	6.5 - 9.0		Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m2)		150	Cadmium(T)	5.0	
Temporary Modification(s): Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		126	Chromium III		TVS
Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Con (por 100 mz)		120	Chromium III(T)	50	
		Inorgani	in (ma/L)		Chromium VI	TVS	TVS
		Inorgani	acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		WS
		Ammonia					
		Boron		0.75	Iron(T)	 TV0	1000
		Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	T) (0.04)0
		Cyanide	0.005		Manganese	TVS	TVS/WS
		Nitrate	10		Mercury		0.01(t)
		Nitrite		0.05	Molybdenum(T)		150
		Phosphorus		0.11	Nickel	TVS	TVS
		Sulfate		WS	Nickel(T)		100
		Sulfide		0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium		
					Zinc		280
	s to the South Platte River, including of the South Platte River, except for		itely below the conf	luence with	Tarryall Creek to a point	immediately above the	confluence with
COSPUS03 Classifications							
	Classifications	Physical and	Biological			Metals (ug/L)	
	Classifications Agriculture	Physical and	Biological DM	MWAT		Metals (ug/L)	chronic
Designation		Physical and Temperature °C		MWAT CS-I	Aluminum		chronic
Designation	Agriculture	·	DM		Aluminum Arsenic	acute	
Designation	Agriculture Aq Life Cold 1	·	DM CS-I	CS-I		acute	
Designation Reviewable	Agriculture Aq Life Cold 1 Recreation E	Temperature °C	DM CS-I acute	CS-I chronic	Arsenic	acute 340	
Designation	Agriculture Aq Life Cold 1 Recreation E	Temperature °C D.O. (mg/L)	DM CS-I acute	CS-I chronic 6.0	Arsenic Arsenic(T)	acute 340 	 0.02
Designation Reviewable Qualifiers:	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning)	DM CS-I acute	CS-I chronic 6.0 7.0	Arsenic Arsenic(T) Beryllium	acute 340 	 0.02
Designation Reviewable Qualifiers:	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0	Arsenic Arsenic(T) Beryllium Cadmium	acute 340 TVS(tr)	0.02 TVS
Designation Reviewable Qualifiers: Other: Femporary Mo	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2)	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0 150*	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T)	acute 340 TVS(tr) 5.0	 0.02 TVS
Designation Reviewable Qualifiers: Other: Femporary Mo Arsenic(chroni Expiration Date	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0 150*	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III	acute 340 TVS(tr) 5.0	 0.02 TVS
Designation Reviewable Qualifiers: Dther: Femporary Mo Arsenic(chroni Expiration Date schlorophyll a	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only lities listed at 38.5(4).	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0 150*	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T)	acute 340 TVS(tr) 5.0 50	 0.02 TVS TVS
Designation Reviewable Qualifiers: Dther: Femporary Mo Arsenic(chroni Expiration Date schlorophyll a sabove the facil Phosphorus(c	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0 	CS-I chronic 6.0 7.0 150* 126	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI	acute 340 TVS(tr) 5.0 50 TVS	0.02 TVS TVS TVS
Designation Reviewable Qualifiers: Dther: Femporary Mo Arsenic(chroni Expiration Date chlorophyll a	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	CS-I acute 6.5 - 9.0 c (mg/L) acute	CS-I chronic 6.0 7.0 150* 126	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper	acute 340 TVS(tr) 5.0 50 TVS TVS	0.02 TVS TVS TVS TVS
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia	DM	CS-I chronic 6.0 7.0 150* 126 chronic TVS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron	acute 340 TVS(tr) 5.0 50 TVS TVS	0.02 TVS TVS TVS TVS WS
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T)	acute 340 TVS(tr) 5.0 50 TVS TVS	0.02 TVS TVS TVS WS 1000
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	CS-I acute 6.5 - 9.0 c (mg/L) acute TVS 0.019	CS-I chronic 6.0 7.0 150* 126 chronic TVS 0.75	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS	0.02 TVS TVS TVS WS 1000
Qualifiers: Other: Emporary Moreonic Chronic Expiration Date Chlorophyll a labove the facil Phosphorus (chone)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	DM CS-I acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T)	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS 50	0.02 TVS TVS TVS WS 1000 TVS
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	CS-I acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS 50 TVS TVS TVS	0.02 TVS
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	CS-I acute 6.5 - 9.0 10 (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS 50 TVS TVS TVS	0.02 TVS TVS TVS S TVS WS 1000 TVS TVS/WS 0.01(t) 150
Qualifiers: Other: Femporary Moarsenic(chroniexpiration Date chlorophyll a labove the facil Phosphorus(choniexpiration)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	DM CS-I acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05 0.11*	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS 50 TVS TVS TVS TVS TVS	0.02 TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS
Designation Reviewable Qualifiers: Other: Temporary Moreonic (chronic expiration Date chlorophyll a libove the facil Phosphorus (chronic)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05 0.11* WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T)	acute 340 TVS(tr) 5.0 50 TVS TVS TVS TVS 50 TVS TVS 50 TVS TVS 50 TVS TVS TVS	0.02 TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS
Designation Reviewable Qualifiers: Other: Temporary Moreonic (chronic expiration Date chlorophyll a libove the facil Phosphorus (chronic)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	DM CS-I acute 6.5 - 9.0 cc (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05 0.11*	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	### Acute	0.02 TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100 TVS
Designation Reviewable Qualifiers: Other: Temporary Moreonic (chronic expiration Date chlorophyll a libove the facil Phosphorus (chronic)	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05 0.11* WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium Silver	### Acute 340 340 TVS(tr) 5.0 50 TVS TVS TVS 50 TVS	0.02 TVS TVS TVS S TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100 TVS TVS TVS TVS TVS
Designation Reviewable Dualifiers: Description Descri	Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): c) = hybrid e of 12/31/2021 (mg/m2)(chronic) = applies only ities listed at 38.5(4). chronic) = applies only above the	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150* 126 Chronic TVS 0.75 250 0.011 0.05 0.11* WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	### Acute	0.02 TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100 TVS

tr = trout