COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

WATER QUALITY CONTROL COMMISSION

5 CCR 1002-38

REGULATION NO. 38 CLASSIFICATIONS AND NUMERIC STANDARDS FOR <u>SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN</u> REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN

APPENDIX 38-1 Stream Classifications and Water Quality Standards Tables

Effective 06/30/20182019

	ns of East Plum Creek, West Plum Cree dary of National Forest lands to their co		ary of National Fo	orest lands to	Chatfield Reservoir, mains	stems of Stark Creek	and Gove Creek
COSPUS10A	Classifications	Physical and Bi	ological		I	Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02
Qualifiers:		pН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)		150*	Cadmium	TVS	TVS
Temporary Mo	odification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Arsenic(chroni		Inorganic	(mg/L)		Chromium III		TVS
Expiration Dat	e of 12/31/2021		acute	chronic	Chromium III(T)	50	
Copper(ac/ch)	= current condition*	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2018	Boron		0.75	Copper	TVS	TVS
Manganese(ch condition*	nronic) = current	Chloride		250	Iron		WS
Expiration Dat	c of 6/30/2019	Chlorine	0.019	0.011	Iron(T)		1000
temperature(D condition*	M/MWAT) = current 12/1 - 2/29	Cyanide	0.005		Lead	TVS	TVS
	e of 12/31/2020	Nitrate	10		Lead(T)	50	
•		Nitrite		0.5	Manganese	TVS	TVS/WS
	(mg/m2)(chronic) = applies only above sted at 38.5(4).	Phosphorus		0.17*	Mercury		0.01(t)
*Phosphorus(c facilities listed	chronic) = applies only above the $28.5(4)$	Sulfate		WS	Molybdenum(T)		150
*TempMod: Co	opper = East Plum Creek and Plum	Sulfide		0.002	Nickel	TVS	TVS
	he PCWRA discharge. anganese = applies to the manganese				Nickel(T)		100
WS standard.	0 11 0				Selenium	TVS	TVS
	mperature(12/1 - 2/29) = East Plum m Creek below the PCWRA discharge.				Silver	TVS	TVS
2.500 414 14					Uranium		
					Zinc	TVS	TVS

14. Mainstem	of the South Platte River from the outle	et of Chatfield Reservoir to the Burlir	ngton Ditch dive	rsion in Den	ver, Colorado.		
COSPUS14	Classifications	Physical and Bio	logical		N	letals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I*	WS-I*	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)			Cadmium	TVS	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Arsenic(chroni		Inorganic (r	ng/L)		Chromium III		TVS
Expiration Dat	e of 12/31/2021		acute	chronic	Chromium III(T)	50	
Chloride(chror	nic) = current condition	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
temperature(D condition	M/MWAT) = current 12/1 - 2/13	Boron		0.75	Copper		TVS*
	e of 12/31/2020	Chloride		250	Copper	TVS*	
*Copper(acute	e) = Copper BLM-based FMB	Chlorine	0.019	0.011	Iron		WS
Cu FMB(ac)=3	31.5 ug/l	Cyanide	0.005		lron(T)		1000
	f Marcy Gulch. hic) = Copper BLM-based FMB	Nitrate	10		Lead	TVS	TVS
Cu FMB(ch)=2	20.8 ug/l	Nitrite		0.5	Lead(T)	50	
	f Marcy Gulch. = summer criteria apply from 2/14 -	Phosphorus			Manganese	TVS	TVS/190
11/30		Sulfate		WS	Mercury		0.01(t)
		Sulfide		0.002	Molybdenum(T)		150
					Nickel	TVS	TVS
					Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

COSPUS15	Classifications	Physical and Biol	ogical		N	letals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	varies*	varies*	Arsenic(T)		0.02-10 ^A
Qualifiers:		рН	6.0-9.0*		Beryllium		
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Temporary M	lodification(s):	chlorophyll a (mg/m2)			Cadmium(T)	5.0	
	nic) = current condition	E. Coli (per 100 mL)		126	Chromium III		TVS
Sulfate(chroni	ic) = current condition				Chromium III(T)	50	
	DM/MWAT) = current	Inorganic (n	ng/L)		Chromium VI	TVS	TVS
condition Expiration Dat	te of 12/31/2020		acute	chronic	Copper		TVS*
	pecific Variance(s):	Ammonia	TVS*	TVS*	Copper	TVS*	
0 1	ite) = TVS: no limit	Boron		0.75	Iron		WS
	onic) = TVS: 24 µg/L	Chloride		250	Iron(T)		1000
	te of 12/31/2023	Chlorine	0.019	0.011	Lead	TVS	TVS
*Ammonia(ac	ute) = See attached table for site-	Cyanide	0.005		Lead(T)	50	
specific stand	lards. ronic) = See attached table for site-	Nitrate	10		Manganese	TVS	TVS/400
specific stand	lards.	Nitrite		1.0	Mercury		0.01(t)
*Copper(acute Cu FMB(ac)=	e) = Copper BLM-based FMB	Phosphorus			Molybdenum(T)		150
Downstream of	of the Metro Hite WWTF outfall.	Sulfate		WS	Nickel	TVS	TVS
*Copper(chroi Cu FMB(ch)=	nic) = Copper BLM-based FMB 23.5 ug/l	Sulfide		0.002	Nickel(T)		100
Downstream of	of the Metro Hite WWTF outfall.				Selenium	TVS	TVS
specific stand					Silver	TVS	TVS
*D.O. (mg/L)(specific stand	chronic) = See attached table for site-				Uranium		
*pH(acute) = 6 miles	6.0 - 9.0 from 64th Ave. downstream 2				Zinc	TVS	TVS
*Variance: Se	elenium = see 38.6(6) for details.						

16g. Marcy Gu	Ilch, including all wetlands from the sou	rce to the confluence with the South	Platte.				
COSPUS16G	Classifications	Physical and Biolo	gical			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
Qualifiers:		D.O. (mg/L)		5.0	Arsenic(T)		100
Other:		рН	6.5 - 9.0		Beryllium		
Temporary Mo	odification(s):	chlorophyll a (mg/m2)			Cadmium	TVS	TVS
temperature(D		E. Coli (per 100 mL)		126	Chromium III	TVS	TVS
condition*	e of 12/31/2020	Inorganic (mg	g/L)		Chromium III(T)		100
•			acute	chronic	Chromium VI	TVS	TVS
Copper(acute Cu FMB(ac)=6) = Copper BLM-based FMB 57 1 μα/l	Ammonia	TVS	TVS	Copper		TVS
below the Cent	tennial WWTF.	Boron		0.75	Copper	TVS*	
*Copper(chron Cu FMB(ch)=4	ic) = Copper BLM-based FMB 3.3 ug/l	Chloride			Iron(T)		1000
	tennial WWTF. ite) = See section 38.6(4)(b) for	Chlorine	0.019	0.011	Lead	TVS	TVS
assessment lo	cations.	Cyanide	0.005		Manganese	TVS	TVS
*Selenium(chro assessment lo	onic) = See section 38.6(4)(b) for cations	Nitrate	100		Mercury		0.01(t)
*TempMod: ter	mperature(12/1 - 2/29) = downstream	Nitrite		0.5	Molybdenum(T)		
of Centennial \	WWIF	Phosphorus			Nickel	TVS	TVS
		Sulfate			Selenium	21*	13*
		Sulfide		0.002	Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

1. Mainstern C		st and West Cherry Creek to the in	liet of Cherry Cree	k Reservoir.			
COSPCH01	Classifications	Physical and	Biological		N	letals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02-10 ^A
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)		150*	Cadmium	TVS	TVS
Temporary M	lodification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Copper(ac/ch)) = current condition*	Inorgani	c (mg/L)		Chromium III		TVS
Expiration Dat	te of 12/31/2020		acute	chronic	Chromium III(T)	50	
*chlorophvll a	(mg/m2)(chronic) = applies only	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
above the faci	ilities listed at 38.5(4).	Boron		0.75	Copper	TVS	TVS
	chronic) = effective 12/31/2020. bove the facilities listed at 38.5(4).	Chloride		250	Iron		WS
*TempMod: C	opper = below the PWSD WWTF	Chlorine	0.019	0.011	lron(T)		1000
outfall.		Cyanide	0.005		Lead	TVS	TVS
		Nitrate	10		Lead(T)	50	
		Nitrite		0.5	Manganese	TVS	TVS/WS
		Phosphorus		0.17*	Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel	TVS	TVS
					Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS
					ZINC	103	103
3 Mainstem c	of Cherry Creek from the outlet of Che	rry Creek Reservoir to the conflue	nce with the South	Platte River		103	103
3. Mainstem c	of Cherry Creek from the outlet of Che Classifications	rry Creek Reservoir to the conflue Physical and		Platte River		letals (ug/L)	173
	-			Platte River			chronic
COSPCH03	Classifications		Biological			letals (ug/L)	
COSPCH03 Designation	Classifications Agriculture	Physical and	Biological DM	MWAT	N	letals (ug/L) acute	chronic
COSPCH03 Designation	Classifications Agriculture Aq Life Warm 2	Physical and	Biological DM WS-II	MWAT WS-II	Aluminum	letals (ug/L) acute 	chronic
COSPCH03 Designation	Classifications Agriculture Aq Life Warm 2 Recreation E	Physical and Temperature °C	Biological DM WS-II acute	MWAT WS-II chronic	Aluminum Arsenic	letals (ug/L) acute 340	chronic
COSPCH03 Designation Reviewable	Classifications Agriculture Aq Life Warm 2 Recreation E	Physical and Temperature °C D.O. (mg/L)	Biological DM WS-II acute 	MWAT WS-II chronic 5.0	Aluminum Arsenic Arsenic(T)	letals (ug/L) acute 340 	chronic
COSPCH03 Designation Reviewable Qualifiers: Other:	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	Biological DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium	letals (ug/L) acute 340 TVS	chronic 0.02-10 ^A
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	Biological DM WS-II acute 6.5 - 9.0 	MWAT WS-II chronic 5.0 	Aluminum Arsenic Arsenic(T) Beryllium	letals (ug/L) acute 340 	chronic 0.02-10 ^A
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsonic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	Biological DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T)	letals (ug/L) acute 340 TVS 5.0	chronic 0.02-10 ^A TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsonic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	Biological DM WS-II acute 6.5 - 9.0 c (mg/L)	MWAT WS-II chronic 5.0 126 chronic	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III	letals (ug/L) acute 340 TVS 5.0 	chronic 0.02-10 ^A TVS TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsonic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute	MWAT WS-II chronic 5.0 126 chronic TVS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T)	letals (ug/L) acute 340 TVS 5.0 50	chronic 0.02-10 ^A TVS TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsonic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS	MWAT WS-II chronic 5.0 126 chronic	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI	letals (ug/L) acute 340 TVS 5.0 50 TVS	chronic 0.02-10 A TVS TVS TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron	letals (ug/L) acute 340 TVS 5.0 50 TVS TVS	chronic 0.02-10 A TVS TVS TVS TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019	MWAT WS-II chronic 5.0 126 chronic TVS 0.75	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper	letals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS	chronic 0.02-10 ^A TVS TVS TVS TVS STVS WS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead	letals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS	chronic 0.02-10 A TVS TVS TVS UVS VVS WS 1000 TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chloride Cyanide Nitrate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T)	letals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50	chronic 0.02-10 A TVS TVS TVS TVS TVS TVS TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorite Nitrate Nitrite	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese	Ietals (ug/L) acute 340 TVS 5.0 TVS TVS TVS 50 TVS TVS 50 TVS	Chronic 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) c (mg/L) C (mg/L) 0.019 0.005 10 10	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5	Aluminum Arsenic Arsenic(T) Beryllium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury	letals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS	Chronic
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS c (mg/L) 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	Ietals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS	chronic 0.02-10 A TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) c (mg/L) C (mg/L) 0.019 0.005 10 10	MWAT WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	letals (ug/L) acute 340 TVS 5.0 50 TVS 50 TVS 50 TVS 50 TVS TVS TVS TVS TVS 50 TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS	chronic 0.02-10 A TVS TVS TVS WS 1000 TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS c (mg/L) 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Aluminum 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)	Ietals (ug/L) acute 340 340 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS TVS TVS -	Chronic 0.02-10 A TVS TVS TVS WS 1000 TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS c (mg/L) 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	letals (ug/L) acute 340 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS TVS	chronic 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 1000 TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS c (mg/L) 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium Silver	Ietals (ug/L) acute 340 340 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS 50 TVS TVS 50 TVS TVS <tr tr=""></tr>	Chronic 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 1000 TVS 1000 TVS
COSPCH03 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ic) = hybrid	Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS c (mg/L) 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	letals (ug/L) acute 340 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS TVS TVS	Chronic

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

D.O. = dissolved oxygen DM = daily maximum MWAT = maximum weekly average temperature See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

1c. Bear Creel	k Reservoir.							
COSPBE01C	Classifications	Physic	al and Biolog	ical			Metals (ug/L)	
Designation	Agriculture			DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum		
	Recreation E	Temperature °C	4/1 - 12/31	CLL	23.3	Arsenic	340	
	Water Supply					Arsenic(T)		0.02
Qualifiers:				acute	chronic	Beryllium		
Other:		D.O. (mg/L)			6.0	Cadmium	TVS(tr)	TVS
Temporary M	odification(s):	D.O. (spawning)			7.0	Cadmium(T)	5.0	
Arsenic(chroni	ic) = hybrid	pН		6.5 - 9.0		Chromium III		TVS
Expiration Dat	e of 12/31/2021	chlorophyll a (ug/L)	7/1 - 9/30		12.2*	Chromium III(T)	50	
	ug/L)(chronic) = current	E. Coli (per 100 mL)			126	Chromium VI	TVS	TVS
condition Phosphorus(cl	hronic) = current					Copper	TVS	TVS
condition		h	norganic (mg/	L)		Iron		WS
Expiration Dat	e of 12/31/2020			acute	chronic	lron(T)		1000
	(ug/L)(chronic) = mean concentration ough collection of samples that are	Ammonia		TVS	TVS	Lead	TVS	TVS
representative	of the mixed layer during summer	Boron			0.75	Lead(T)	50	
	August, September) and with an equency of once in five years.	Chloride			250	Manganese	TVS	TVS/WS
*Phosphorus(chronic) = mean concentration	Chlorine		0.019	0.011	Mercury		0.01(t)
representative	bugh collection of samples that are of the mixed layer during summer	Cyanide		0.005		Molybdenum(T)		150
	August, September) and with an equency of once in five years.	Nitrate		10		Nickel	TVS	TVS
	equency of once in five years.	Nitrite			0.05	Nickel(T)		100
		Phosphorus	7/1 - 9/30		22.2*	Selenium	TVS	TVS
		Sulfate			WS	Silver	TVS	TVS(tr)
		Sulfide			0.002	Uranium		
						Zinc	TVS	TVS

COSPCL02A	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq 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:		рН	6.5 - 9.0		Cadmium	TVS(tr)	TVS
Femporary M	odification(s):	chlorophyll a (mg/m2)		150*	Cadmium(T)	5.0	
Arsenic(chroni		E. Coli (per 100 mL)		126	Chromium III		TVS
	e of 12/31/2021				Chromium III(T)	50	
Zinc(chronic) =	= 353	Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Zinc(acute) = 5	586		acute	chronic	Copper	TVS	TVS
Expiration Date	e of 7/1/2020	Ammonia	TVS	TVS	Iron		WS
	(mg/m2)(chronic) = applies only above	Boron		0.75	Iron(T)		1000
	ted at 38.5(4).	Chloride		250	Lead	TVS	TVS
0	9/30/00 Baseline does not apply chronic) = applies only above the	Chlorine	0.019	0.011	Lead(T)	50	
acilities listed	at 38.5(4).	Cyanide	0.005		Manganese	TVS	TVS/WS
Zinc(acute) = Zinc(chronic)	0.978e^(0.8537[In(hardness)]+1.9467)	Nitrate	10		Mercury		0.01(t)
- ()	= 7[In(hardness)]+1.8032)	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		SSE*
					Zinc	SSE*	

COSPCL02C	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq 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:		pН	6.5 - 9.0		Cadmium	TVS(tr)	TVS
Femporary Mo	odification(s):	chlorophyll a (mg/m2)		150*	Cadmium(T)	5.0	
Arsenic(chroni		E. Coli (per 100 mL)		126	Chromium III		TVS
Expiration Date	e of 12/31/2021				Chromium III(T)	50	
Cadmium(chro	nic) = current condition	Inorgani	ic (mg/L)		Chromium VI	TVS	TVS
Copper(chroni	c) = current condition		acute	chronic	Copper	TVS	TVS
Expiration Date	e of 7/1/2020	Ammonia	TVS	TVS	Iron		WS
	(mg/m2)(chronic) = applies only above	Boron		0.75	Iron(T)		1000
	ted at 38.5(4).	Chloride		250	Lead	TVS	TVS
0	0/30/00 Baseline does not apply hronic) = applies only above the	Chlorine	0.019	0.011	Lead(T)	50	
acilities listed	at 38.5(4).	Cyanide	0.005		Manganese	TVS	TVS/WS
Zinc(acute) = Zinc(chronic)	0.978e^(0.8537[ln(hardness)]+1.9467)	Nitrate	10		Mercury		0.01(t)
	= 7[ln(hardness)]+1.8032)	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		SSE*
					Zinc	SSE*	

11. Mainstem	of Clear Creek from a point just above t	he Argo Tunnel discharge to the F	armers Highline	Canal divers	ion in Golden, Colorado.		
COSPCL11	Classifications	Physical and Bi	ÿ		,	Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq 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:		рН	6.5 - 9.0		Cadmium	TVS(tr)	TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m2)			Cadmium(T)	5.0	
Arsenic(chroni		E. Coli (per 100 mL)		126	Chromium III		TVS
	e of 12/31/2021				Chromium III(T)	50	
temperature(D	M/MWAT) = current	Inorganic	(mg/L)		Chromium VI	TVS	TVS
condition* Expiration Date	e of 6/30/2019		acute	chronic	Copper		17
Expiration Dat		Ammonia	TVS	TVS	Iron		WS
	0.978e^(0.8537[In(hardness)]+1.9467)	Boron		0.75	Iron(T)		1000
*Zinc(chronic) 0.986e^(0.853	= 7[ln(hardness)]+1.8032)	Chloride		250	Lead	TVS	TVS
*TempMod: ter	mperature = from a point just	Chlorine	0.019	0.011	Lead(T)	50	
	f the US 6 Bridge to the Farmers I diversion in Golden, Colorado.	Cyanide	0.005		Manganese	TVS	TVS/WS
		Nitrate	10		Mercury		0.01(t)
		Nitrite		0.05	Molybdenum(T)		150
		Phosphorus			Nickel	TVS	TVS
		Sulfate		WS	Nickel(T)		100
		Sulfide		0.002	Selenium	TVS	TVS
		Cullus		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	SSE*	
					Zinc		SSE*
10h Mainatam	of North Closer Crock including all tribu	torios and watlands from a naist i		fluonoo with			
	n of North Clear Creek including all tribu s in Segment 13a.	taries and wetlands from a point ju	ust delow the con	iffuence with	Chase Guich to the coni	luence with Clear Creek	k, except for the
COSPCL13B	Classifications	Physical and Bio	ological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
Qualifiers:		D.O. (mg/L)			Λ recenter(T)		
Other:		D.O. (spawning)		6.0	Arsenic(T)		100
Temporary M				6.0 7.0	Beryllium		
	odification(s):	pH	 6.5 - 9.0				100
. ,	odification(s):			7.0	Beryllium		100
Cadmium(chro	$\frac{\text{Ddiffication(s):}}{\text{onic)} = 4.7}$	рН	6.5 - 9.0	7.0	Beryllium Cadmium	 TVS(tr)	100 TVS
Cadmium(chro Expiration Date temperature(D	Ddification(s): D <mark>onic) = 4.7</mark>	pH chlorophyll a (mg/m2)	6.5 - 9.0 	7.0 150*	Beryllium Cadmium Chromium III	 TVS(tr) TVS	100 TVS TVS
Cadmium(chro Expiration Date temperature(D condition	odification(s): o nic) = 4.7 e of 12/31/2018 M/MWAT) = current	pH chlorophyll a (mg/m2)	6.5 - 9.0 	7.0 150*	Beryllium Cadmium Chromium III Chromium III(T)	 TVS(tr) TVS 	100 TVS TVS 100
Cadmium(chro Expiration Date temperature(D condition Expiration Date	odification(s): onic) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020	pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	6.5 - 9.0 	7.0 150*	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI	 TVS(tr) TVS TVS	100 TVS TVS 100 TVS
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a	odification(s): e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above	pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	6.5 - 9.0 (mg/L)	7.0 150* 126	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper	 TVS(tr) TVS TVS 	100 TVS TVS 100 TVS 64
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	calification(s): pnic) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (6.5 - 9.0 (mg/L) acute	7.0 150* 126 chronic	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T)	 TVS(tr) TVS TVS 	100 TVS TVS 100 TVS 64 5400
Cadmium(chrc Expiration Date temperature(D condition Expiration Date *chlorophyll a (the facilities lis	pairication(s): pric) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above the at 38.5(4). hronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia	6.5 - 9.0 (mg/L) acute TVS	7.0 150* 126 chronic TVS	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead	 TVS(tr) TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	pairication(s): pric) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above the at 38.5(4). hronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia Boron	6.5 - 9.0 (mg/L) acute TVS 	7.0 150* 126 chronic TVS 0.75	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese	 TVS(tr) TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	pairication(s): poiric) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). $(hronic) = applies only above the at 38.5(4).$	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia Boron Chloride	6.5 - 9.0 (mg/L) acute TVS 	7.0 150* 126 chronic TVS 0.75 	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury	 TVS(tr) TVS TVS TVS TVS TVS 	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t)
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	conication(s): e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia Boron Chloride Chlorine	6.5 - 9.0 (mg/L) acute TVS 0.019	7.0 150* 126 chronic TVS 0.75 0.011	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T)	 TVS(tr) TVS TVS TVS TVS TVS 	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	calification(s): e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia Boron Chloride Chlorine Cyanide Nitrate	6.5 - 9.0 (mg/L) acute TVS 0.019 0.005	7.0 150* 126 chronic TVS 0.75 0.011 	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel	 TVS(tr) TVS TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150 TVS
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	calification(s): e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100	7.0 150* 126 chronic TVS 0.75 0.011 0.05	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium	 TVS(tr) TVS TVS TVS TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150 TVS TVS
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	conication(s): poinc) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Inorganic (Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 	7.0 150* 126 chronic TVS 0.75 0.011 	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver	 TVS(tr) TVS TVS TVS TVS TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150 TVS TVS TVS(tr)
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	conication(s): poinc) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Inorganic (Ammonia Boron Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	7.0 150* 126 chronic TVS 0.75 0.011 0.05 0.11*	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver Uranium	 TVS(tr) TVS TVS TVS TVS TVS TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150 TVS TVS TVS TVS(tr)
Cadmium(chro Expiration Date temperature(D condition Expiration Date *chlorophyll a the facilities lis *Phosphorus(c	conication(s): poinc) = 4.7 e of 12/31/2018 M/MWAT) = current e of 12/31/2020 (mg/m2)(chronic) = applies only above ted at 38.5(4). chronic) = applies only above the at 38.5(4).	pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (Inorganic (Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 	7.0 150* 126 chronic TVS 0.75 0.011 0.05 0.11*	Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver Uranium	 TVS(tr) TVS TVS TVS TVS TVS TVS TVS TVS TVS	100 TVS TVS 100 TVS 64 5400 TVS TVS 0.01(t) 150 TVS TVS TVS TVS(tr)

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 details on TVS, TVS(tr), WS, temperature standards.

	n of Clear Creek from the Farmers Hig	hline Canal diversion in Golden, 0	Colorado to the De	nver Water	conduit #16 crossing.		
COSPCL14A	Classifications	Physical and E	iological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation N		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02-10
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)			Cadmium	TVS	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		630	Cadmium(T)	5.0	
	M/MWAT) = current	Inorganio	: (mg/L)		Chromium III		TVS
condition Expiration Date	e of 6/30/2019		acute	chronic	Chromium III(T)	50	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
*Zinc(acute) = effect ratio).	TVS x (times) the FWER (final water	Boron		0.75	Copper	TVS	TVS
Expiration date		Chloride		250	Iron		WS
*Zinc(chronic) water effect ra	= TVS x (times) the FWER (final tio).	Chlorine	0.019	0.011	Iron(T)		1000
Expiration date		Cyanide	0.005		Lead	TVS	TVS
		Nitrate	10		Lead(T)	50	
		Nitrite		0.5	Manganese	TVS	244
		Phosphorus			Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel	TVS	TVS
		Sunde		0.002	Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium 		
					Zinc	TVSx1.57*	TVSx1.57*
	n of Clear Creek from the Denver Wate	er conduit #16 crossing to a point	just below Youngf	ield Street in	Wheat Ridge, Colorado).	
	Classifications	Physical and E	•			Metals (ug/L)	
Designation	Agriculture						
			DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	MWAT WS-II	Aluminum	acute	chronic
UP	Aq Life Warm 2 Recreation E	Temperature °C			Aluminum Arsenic		
	Aq Life Warm 2	Temperature °C D.O. (mg/L)	WS-II	WS-II			
Qualifiers:	Aq Life Warm 2 Recreation E Water Supply		WS-II acute	WS-II chronic	Arsenic	 340	
	Aq Life Warm 2 Recreation E Water Supply	D.O. (mg/L)	WS-II acute 	WS-II chronic 5.0	Arsenic Arsenic(T)	 340 	 0.02
Qualifiers:	Aq Life Warm 2 Recreation E Water Supply	D.O. (mg/L) pH	WS-II acute 6.5 - 9.0	WS-II chronic 5.0	Arsenic Arsenic(T) Beryllium	 340 	 0.02
Qualifiers: Water + Fish 3	Aq Life Warm 2 Recreation E Water Supply Standards	D.O. (mg/L) pH chlorophyll a (mg/m2)	WS-II acute 6.5 - 9.0 	WS-II chronic 5.0 	Arsenic Arsenic(T) Beryllium Cadmium	 340 TVS	 0.02 TVS
Qualifiers: Water + Fish 5 Other:	Aq Life Warm 2 Recreation E Water Supply Standards odification(s):	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	WS-II acute 6.5 - 9.0 	WS-II chronic 5.0 	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T)	 340 TVS 5.0	 0.02 TVS
Qualifiers: Water + Fish Other: Temporary Ma Arsenic(chroni	Aq Life Warm 2 Recreation E Water Supply Standards odification(s):	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	WS-II acute 6.5 - 9.0 	WS-II chronic 5.0 126	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III	 340 TVS 5.0 	 0.02 TVS TVS
Qualifiers: Water + Fish Other: Temporary M Arsenic(chroni Expiration Date temperature(D	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic	WS-II acute 6.5 - 9.0 t (mg/L) acute	WS-II chronic 5.0 126 chronic	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III	 340 TVS 5.0 50	 0.02 TVS TVS
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Dat temperature(D condition	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid te of 12/31/2021 OM/MWAT) = current	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic	WS-II acute 6.5 - 9.0 t (mg/L) acute TVS	WS-II chronic 5.0 126 chronic TVS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI	 340 TVS 5.0 50 TVS	 0.02 TVS TVS TVS
Qualifiers: Water + Fish Other: Temporary Me Arsenic(chroni Expiration Dat temporature(D) condition Expiration Dat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 DM/MWAT) = current e of 6/30/2019	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 	WS-II chronic 5.0 126 chronic TVS 0.75	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper	 340 TVS 5.0 50 TVS TVS	 0.02 TVS TVS TVS TVS
Qualifiers: Water + Fish Other: Temporary Me Arsenic(chroni Expiration Dat temperature(D) condition Expiration Dat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid te of 12/31/2021 OM/MWAT) = current	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 	WS-II chronic 5.0 126 chronic TVS 0.75 250	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron	 340 TVS 5.0 50 TVS TVS TVS 	 0.02 TVS TVS TVS TVS WS
Qualifiers: Water + Fish 3 Other: Temporary Mi Arsenic(chroni Expiration Dat temperature(D condition Expiration Dat *Zinc(acute) = effect ratio). Expiration date	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 VM/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20.	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine	WS-II acute 6.5 - 9.0 (mg/L) acute TVS TVS 0.019	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	 340 TVS 5.0 50 TVS TVS TVS 	 0.02 TVS TVS TVS TVS WS 1000
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Dat temperature(D) condition Expiration Dat *Zinc(acute) = effect ratio). Expiration dat *Zinc(chronic) water effect ra	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead	 340 TVS 5.0 50 TVS TVS TVS 	 0.02 TVS TVS TVS TVS WS 1000 TVS
Qualifiers: Water + Fish 3 Other: Temporary Mid Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic)	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	WS-II acute 6.5 - 9.0 (mg/L) acute TVS C.019 0.019 0.005	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T)	 340 TVS 5.0 50 TVS TVS TVS 50	 0.02 TVS TVS TVS TVS WS 1000 TVS
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect ra	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chloride Cyanide Nitrate Nitrite Phosphorus	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10	WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t)
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10 10 10	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5 WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 1000 TVS 244 0.01(t) 150
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chloride Cyanide Nitrate Nitrite Phosphorus	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10	WS-II chronic 5.0 126 Chronic TVS 0.75 250 0.011 0.5 	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t) 150 TVS
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10 10 10	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5 WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T)	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t) 150 TVS 100
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10 10 10	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5 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	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t) 150 TVS 100 TVS
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10 10 10	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5 WS	Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium VI Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t) 150 TVS 100
Qualifiers: Water + Fish 3 Other: Temporary Me Arsenic(chroni Expiration Date temperature(D) condition Expiration Date *Zinc(acute) = effect ratio). Expiration date *Zinc(chronic) water effect rat	Aq Life Warm 2 Recreation E Water Supply Standards odification(s): ic) = hybrid e of 12/31/2021 M/MWAT) = current e of 6/30/2019 TVS x (times) the FWER (final water e of 12/31/20. = TVS x (times) the FWER (final tio).	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 10 10 10	WS-II chronic 5.0 126 chronic TVS 0.75 250 0.011 0.5 0.5 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	 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS	 0.02 TVS TVS TVS TVS WS 1000 TVS 244 0.01(t) 150 TVS 100 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 details on TVS, TVS(tr), WS, temperature standards.

	of Clear Creek from Youngfield Street			ne South Pla			
COSPCL15	Classifications	Physical and Biolo	gical		Me	etals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1*	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)			Cadmium	TVS	TVS
Temporary N	lodification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Arsenic(chron	ic) = hybrid	Inorganic (m	g/L)		Chromium III		TVS
Expiration Da	te of 12/31/2021		acute	chronic	Chromium III(T)	50	
temperature(E condition	OM/MWAT) = current	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
	te of 6/30/2019	Boron		0.75	Copper	TVS	TVS
		Chloride		250	Iron		WS
	n: Aquatic life warm 1 goal qualifier. = TVS x (times) the FWER (final water	Chlorine	0.019	0.011	Iron(T)		1000
effect ratio).		Cyanide	0.005		Lead	TVS	TVS
	te of 12/31/20.) = TVS x (times) the FWER (final	Nitrate	10		Lead(T)	50	
water effect ra	atio).	Nitrite		0.5	Manganese	TVS	TVS/WS
Expiration dat	te of 12/31/20.	Phosphorus			Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel	TVS	TVS
					Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVSx1.57*	TVSx1.57*

		confluence with Boulder Creek.					
COSPBO07B	Classifications	Physical and Bio	logical		Me	etals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02-10 ^A
Qualifiers:		pН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)			Cadmium	TVS	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Arsenic(chron	ic) = hybrid	Inorganic (I	ng/L)		Chromium III		TVS
Expiration Dat	te of 12/31/2021		acute	chronic	Chromium III(T)	50	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron		0.75	Copper	TVS	TVS
		Chloride		250	Iron		WS
		Chlorine	0.019	0.011	Iron(T)		1000
		Cyanide	0.005		Lead	TVS	TVS
		Nitrate	10		Lead(T)	50	
		Nitrite		0.5	Manganese	TVS	TVS/WS
		Phosphorus			Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel	TVS	TVS
					Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS
8. All tributarie	es to South Boulder Creek, including all	wetlands from South Boulder Road	to the confluen	ce with Boul			
from Highway	93 to the confluence with Boulder Cree	ek.		ce with Boul	der Creek and all tributaries	to Coal Creek, inclu	
from Highway COSPBO08	93 to the confluence with Boulder Cree Classifications	wetlands from South Boulder Road ek. Physical and Bio	logical		der Creek and all tributaries	to Coal Creek, inclu etals (ug/L)	ding all wetlands
from Highway	93 to the confluence with Boulder Cree Classifications Agriculture	ek. Physical and Bio	logical DM	MWAT	der Creek and all tributaries f	to Coal Creek, inclu etals (ug/L) acute	
from Highway COSPBO08 Designation	93 to the confluence with Boulder Cree Classifications	ek.	logical DM WS-II	MWAT WS-II	der Creek and all tributaries Ma	to Coal Creek, inclu etals (ug/L) acute 	ding all wetlands chronic
from Highway COSPBO08 Designation	93 to the confluence with Boulder Cree Classifications Agriculture Aq Life Warm 2	ek. Physical and Bio Temperature °C	logical DM WS-II acute	MWAT WS-II chronic	der Creek and all tributaries f Me Aluminum Arsenic	to Coal Creek, inclu etals (ug/L) acute 340	ding all wetlands chronic
from Highway COSPBO08 Designation UP Qualifiers:	93 to the confluence with Boulder Cree Classifications Agriculture Aq Life Warm 2	Physical and Bio Temperature °C D.O. (mg/L)	logical DM WS-II acute 	MWAT WS-II chronic 5.0	der Creek and all tributaries i Ma Aluminum Arsenic Arsenic(T)	to Coal Creek, inclu etals (ug/L) acute 340 	ding all wetlands chronic 100
from Highway COSPBO08 Designation UP Qualifiers: Other:	93 to the confluence with Boulder Cree Classifications Agriculture Aq Life Warm 2 Recreation E	Physical and Bio Temperature °C D.O. (mg/L) pH	logical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium	to Coal Creek, inclu etals (ug/L) acute 340 	ding all wetlands chronic 100
from Highway COSPBO08 Designation UP Qualifiers: Other: Temporary M	93 to the confluence with Boulder Cree Classifications Agriculture Aq Life Warm 2 Recreation E Odification(s):	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	logical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 150*	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium	to Coal Creek, inclu etals (ug/L) acute 340 TVS	ding all wetlands chronic 100 TVS
from Highway COSPBO08 Designation UP Qualifiers: Other: Temporary M Selenium(chro	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	logical DM WS-II acute 6.5 - 9.0 	MWAT WS-II chronic 5.0	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS	ding all wetlands chronic 100 TVS TVS
from Highway COSPBO08 Designation UP Qualifiers: Other: Temporary M Selenium(chro	93 to the confluence with Boulder Cree Classifications Agriculture Aq Life Warm 2 Recreation E Odification(s):	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	logical DM WS-II acute 6.5 - 9.0 mg/L)	MWAT WS-II chronic 5.0 150* 126	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS 	ding all wetlands chronic 100 TVS TVS TVS 100
from Highway COSPBO08 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a	93 to the confluence with Boulder Creat Classifications Agriculture Aq Life Warm 2 Recreation E Codification(s): conic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n	logical DM WS-II acute 6.5 - 9.0 mg/L) acute	MWAT WS-II chronic 5.0 150* 126 chronic	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III(T)	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS	ding all wetlands chronic 100 TVS TVS 100 TVS
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	ek. Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (m Ammonia	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS	MWAT WS-II chronic 5.0 150* 126 chronic TVS	der Creek and all tributaries f Mo Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 TVS TVS 100 TVS 100 TVS TVS
from Highway COSPBO08 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a the facilities list	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	ek. Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 	MWAT WS-II chronic 5.0 150* 126 chronic TVS 0.75	der Creek and all tributaries i Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III Chromium VI Copper Iron	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 TVS TVS 100 TVS 100 TVS TVS CVS CVS CVS CVS CVS CVS CVS CVS CVS C
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 	MWAT WS-II chronic 5.0 150* 126 chronic TVS 0.75 	der Creek and all tributaries f Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS 	ding all wetlands chronic 100 TVS TVS 100 TVS 100 TVS 100 TVS 100 1000
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS TVS 0.019	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 0.011	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 TVS TVS 100 TVS 1000 TVS
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	ek. Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 0.011	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Manganese	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 100 TVS 100 TVS 1000 TVS 1000 TVS
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide Nitrate	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 0.011	der Creek and all tributaries f Ma Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron Iron Iron(T) Lead Manganese Mercury	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS 	ding all wetlands chronic 100 TVS TVS 100 TVS 1000 TVS 1000 TVS 1000 TVS 0.01(t)
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (mg/m2) Chloride Chloride Chloride Chlorine Cyanide Nitrate Nitrate Nitrite	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100	MWAT WS-II chronic 5.0 150* 126 0.01 TVS 0.75 0.011 0.011	der Creek and all tributaries f Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Manganese Mercury Molybdenum(T)	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 TVS 100 TVS 100 TVS 1000 TVS 1000 TVS 0.01(t) 150
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100 100	MWAT WS-II chronic 5.0 126 0.75 0.75 0.011 0.53 0.54	der Creek and all tributaries f Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 1000 TVS 1000 TVS 1000 TVS 1000 100 100 100 100 100 1
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 0.011 0.011 0.5 0.17* 	der Creek and all tributaries f Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 TVS TVS 100 TVS 100 TVS 0.01(t) 150 TVS TVS 0.01(t)
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100 100	MWAT WS-II chronic 5.0 126 0.75 0.75 0.011 0.53 0.54	der Creek and all tributaries f M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 100 TVS 100 TVS 100 TVS 1000 TVS 0.01(t) 150 TVS TVS 150 TVS
from Highway COSPB008 Designation UP Qualifiers: Other: Temporary M Selenium(chro Expiration Dal *chlorophyll a the facilities lik *Phosphorus()	93 to the confluence with Boulder Creations Classifications Agriculture Aq Life Warm 2 Recreation E Indification(s): poic) = current condition te of 12/31/2020 (mg/m2)(chronic) = applies only above sted at 38.5(4). chronic) = applies only above the	Physical and Bio Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic (n Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	logical DM WS-II acute 6.5 - 9.0 mg/L) acute TVS 0.019 0.005 100 100	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 0.011 0.011 0.5 0.17* 	der Creek and all tributaries f Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium	to Coal Creek, inclu etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS TVS TVS	ding all wetlands chronic 100 TVS TVS 100 TVS 100 TVS 1000 TVS 0.01(t) 150 TVS TVS 0.7VS

COSPBO09	Classifications	Physical and Biolo	Metals (ug/L)				
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02
Qualifiers:		рН	6.5 - 9.0		Beryllium		
Other:		chlorophyll a (mg/m2)			Cadmium	TVS	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Arsenic(chroni		Inorganic (mg/L)			Chromium III		TVS
	e of 12/31/2021		acute	chronic	Chromium III(T)	50	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron		0.75	Copper	TVS	TVS
Expiration Bat	0 01 12/01/2020	Chloride		250	Iron		WS
		Chlorine	0.019	0.011	lron(T)		1000
		Cyanide	0.005		Lead	TVS	TVS
		Nitrate	10		Lead(T)	50	
		Nitrite		0.5	Manganese	TVS	TVS/WS
		Phosphorus			Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel	TVS	TVS
					Nickel(T)		100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

COSPSV06	Classifications	Physical and	Biological	Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic
JP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
Qualifiers:		D.O. (mg/L)		5.0	Arsenic(T)		100
Other:		рН	6.5 - 9.0		Beryllium		
Cemporary N	Iodification(s):	chlorophyll a (mg/m ²)			Cadmium	TVS	TVS
Iron(chronic) = current condition Manganese(ac/ch) = current condition		E. Coli (per 100 mL)		126	Chromium III	TVS	TVS
		Inorgan	ic (mg/L)		Chromium III(T)		100
Expiration Date of 12/31/2020			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron		0.75	lron(T)		1000
		Chloride			Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	100		Molybdenum(T)		150
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate			Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS
. Boulder Re	eservoir, Coot Lake, Left Hand Valley Re	eservoir and Spurgeon Reservoir					
COSPSV07	Classifications	Physical and	Biological		N	letals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		5.0	Arsenic(T)		0.02
	DUWS*	рН	6.5 - 9.0		Beryllium		
Qualifiers:		chlorophyll a (ug/L)			Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)		126	Cadmium(T)	5.0	
Femporary N	Iodification(s):	Inorgan	ic (mg/L)		Chromium III		TVS
Arsenic(chror	nic) = hybrid		acute	chronic	Chromium III(T)	50	
Expiration Da	te of 12/31/2021	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
Iron(chronic) = current condition*		Boron		0.75	Copper	TVS	TVS
	ac/ch) = current condition	Chloride		250	Iron		WS
. ,		Chlorine	0.019	0.011	Iron(T)		1000
Manganese(a	ite of 12/31/2020				Lead	TVS	TVS
Manganese(a Expiration Da Classificatior	n: DUWS applies to Boulder, Spurgeon	Cyanide	0.005				
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Cyanide Nitrate	0.005 10		Lead(T)	50	
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon				Lead(T) Manganese	50 TVS	TVS/WS
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate	10				
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite	10 	 0.5	Manganese	TVS	TVS/WS 0.01(t) 150
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite Phosphorus	10 	 0.5 	Manganese Mercury	TVS	0.01(t)
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite Phosphorus Sulfate	10 	0.5 WS	Manganese Mercury Molybdenum(T)	TVS 	0.01(t) 150 TVS
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite Phosphorus Sulfate	10 	0.5 WS	Manganese Mercury Molybdenum(T) Nickel	TVS TVS	0.01(t) 150 TVS 100
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite Phosphorus Sulfate	10 	0.5 WS	Manganese Mercury Molybdenum(T) Nickel Nickel(T)	TVS TVS 	0.01(t) 150
Manganese(a Expiration Da Classification and Left Hand	n: DUWS applies to Boulder, Spurgeon d Valley Reservoirs only.	Nitrate Nitrite Phosphorus Sulfate	10 	0.5 WS	Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	TVS TVS TVS	0.01(t) 150 TVS 100 TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Thompson River Basin

	or the Big monipoon in	om the Greeley	/-Loveland Canal diversio	on to County Ro	ad 11H.				
COSPBT04B	Classifications			cal and Biologi				Metals (ug/L)	
Designation	Agriculture				DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1		Temperature °C		WS-I	WS-I	Aluminum		
	Recreation E	5/1 - 10/15			acute	chronic	Arsenic	340	
	Recreation N	10/16 - 4/30	D.O. (mg/L)			5.0	Arsenic(T)		0.02
	Water Supply		рН		6.5 - 9.0		Beryllium		
Qualifiers:			chlorophyll a (mg/m2)				Cadmium	TVS	TVS
Other:			E. Coli (per 100 mL)	5/1 - 10/15		126	Cadmium(T)	5.0	
Temporary M	lodification(s):		E. Coli (per 100 mL)	10/16 - 4/30		630	Chromium III		TVS
Arsenic(chron							Chromium III(T)	50	
Expiration Dat	te of 12/31/2021		l	norganic (mg/l	_)		Chromium VI	TVS	TVS
Selenium(chro	onic) = current condition	ì			acute	chronic	Copper	TVS	TVS
Expiration Dat	te of 12/31/2020		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		0.01(t)
			Nitrite			0.5	Molybdenum(T)		150
			Phosphorus				Nickel	TVS	TVS
			Sulfate			WS	Nickel(T)		100
			Sulfide			0.002	Selenium	TVS	TVS
			Cambo			0.002	Silver	TVS	TVS
							Uranium		
							Zinc	TVS	TVS
9 Mainstem o	of the Little Thompson R	River from the C	Culver Ditch diversion to the	ne confluence w	vith the Bia	Thompson R	iver		
COSPBT09					an and big				
	Classifications		Physic	al and Biologi	cal	·		Metals (ug/L)	
Designation			Physic	al and Biologi	cal DM	-		Metals (ug/L) acute	chronic
Designation Reviewable	Agriculture Aq Life Warm 2			al and Biologi		MWAT WS-II		Metals (ug/L) acute 	chronic
	Agriculture		Physic Temperature °C	al and Biologi	DM	MWAT		acute	
	Agriculture Aq Life Warm 2			al and Biologi	DM WS-II	MWAT WS-II	Aluminum Arsenic	acute	
	Agriculture Aq Life Warm 2 Recreation E		Temperature °C	al and Biologi	DM WS-II acute	MWAT WS-II chronic	Aluminum Arsenic Arsenic(T)	acute 340	
Reviewable Qualifiers:	Agriculture Aq Life Warm 2 Recreation E		Temperature °C D.O. (mg/L) pH	al and Biologi	DM WS-II acute	MWAT WS-II chronic 5.0	Aluminum Arsenic Arsenic(T) Beryllium	acute 340 	 0.02-10 ^A
Reviewable Qualifiers: Other:	Agriculture Aq Life Warm 2 Recreation E Water Supply		Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	al and Biologi	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Aluminum Arsenic Arsenic(T) Beryllium Cadmium	acute 340 TVS	 0.02-10 ^A
Reviewable Qualifiers: Other: Temporary M	Agriculture Aq Life Warm 2 Recreation E Water Supply		Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)		DM WS-II acute 6.5 - 9.0 	MWAT WS-II chronic 5.0 150*	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T)	acute 340 	 0.02-10 ^A TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro	Agriculture Aq Life Warm 2 Recreation E Water Supply		Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	al and Biologi norganic (mg/L	DM WS-II acute 6.5 - 9.0 	MWAT WS-II chronic 5.0 150* 126	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III	acute 340 TVS 5.0 	 0.02-10 ^A TVS TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat	Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): onic) = 12.3 te of 12/31/2020		Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)		DM WS-II acute 6.5 - 9.0 	MWAT WS-II chronic 5.0 150* 126 chronic	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T)	acute 340 TVS 5.0 50	 0.02-10 ^A TVS TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a	Agriculture Aq Life Warm 2 Recreation E Water Supply Iodification(s): ponic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app		Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) It Ammonia		DM WS-II acute 6.5 - 9.0 A TVS	MWAT WS-II chronic 5.0 150* 126 chronic TVS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium III(T)	acute 340 TVS 5.0 50 TVS	 0.02-10 A TVS TVS TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) In Ammonia Boron		DM WS-II acute 6.5 - 9.0 acute TVS	MWAT WS-II chronic 5.0 150* 126 126 chronic TVS 0.75	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III Chromium VI Copper	acute 340 TVS 5.0 50 TVS TVS TVS	 0.02-10 A TVS TVS TVS TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) In Ammonia Boron Chloride		DM WS-II acute 6.5 - 9.0 acute TVS 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron	acute 340 TVS 5.0 50 TVS TVS TVS TVS	 0.02-10 A TVS TVS TVS TVS WS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) II Ammonia Boron Chloride Chlorine		DM WS-II acute 6.5 - 9.0 acute TVS 0.019	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	acute 340 TVS 5.0 50 TVS TVS TVS	 0.02-10 A TVS TVS TVS TVS TVS WS 1000
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide		DM WS-II acute 6.5 - 9.0 acute T√S 0.019 0.005	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead	acute 340 TVS 5.0 50 TVS TVS TVS TVS TVS TVS TVS	 0.02-10 A TVS TVS TVS TVS WS 1000 TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate		DM WS-II acute 6.5 - 9.0 x acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T)	acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 50 TVS 50	 0.02-10 A TVS TVS TVS VS WS 1000 TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) In Ammonia Boron Chloride Chloride Chlorine Cyanide Nitrate Nitrite		DM WS-II acute (TVS 0.019 0.005 10 	MWAT WS-II chronic 5.0 150* 126 0.15 Chronic TVS 0.75 250 0.011 0.5	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese	acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS 50 TVS	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus		DM WS-II acute 6.5 - 9.0 acute T√S 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17*	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury	acute 340 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t)
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate		DM WS-II acute 6.5 - 9.0 acute TVS 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17* WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T)	acute 340 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 5	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus		DM WS-II acute 6.5 - 9.0 acute T√S 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17*	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel	acute 340 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS 50 TVS TVS 50	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate		DM WS-II acute 6.5 - 9.0 acute TVS 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17* WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T)	acute 340 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate		DM WS-II acute 6.5 - 9.0 acute TVS 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17* WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	acute 340 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS TVS 50 TVS 50 TVS TVS 50 TVS	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100 TVS 100 TVS
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate		DM WS-II acute 6.5 - 9.0 acute TVS 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17* WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium Silver	acute 340 340 TVS 5.0 50 TVS TVS TVS 50 TV	
Reviewable Qualifiers: Other: Temporary M Selenium(chro Expiration Dat *chlorophyll a above the faci *Phosphorus(i	Agriculture Aq Life Warm 2 Recreation E Water Supply lodification(s): onic) = 12.3 te of 12/31/2020 (mg/m2)(chronic) = app lilities listed at 38.5(4). chronic) = applies only a	-	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) I Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate		DM WS-II acute 6.5 - 9.0 acute TVS 0.019 0.005 10 10 	MWAT WS-II chronic 5.0 150* 126 Chronic TVS 0.75 250 0.011 0.5 0.17* WS	Aluminum Arsenic Arsenic(T) Beryllium Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury Molybdenum(T) Nickel Nickel(T) Selenium	acute 340 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS 50 TVS TVS 50 TVS 50 TVS TVS 50 TVS	 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01(t) 150 TVS 100 TVS 100 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 details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Cache La Poudre River Basin

11. Mainstem		10103 011001 11 1 1. 0011113 to a poi					
COSPCP11	Classifications	Physical and I	Biological		М	etals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	
Qualifiers:		D.O. (mg/L)		5.0	Arsenic(T)		7.6
Other:		рН	6.5 - 9.0		Beryllium		
Temporary M	adification(s):	chlorophyll a (mg/m2)			Cadmium	TVS	TVS
		E. Coli (per 100 mL)		126	Chromium III	TVS	TVS
condition		Inorgani	c (mg/L)		Chromium III(T)		100
Expiration Dat	te of 12/31/2020		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron		0.75	lron(T)		1000
		Chloride			Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	100		Molybdenum(T)		150
		Nitrite		2.7	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate			Silver	TVS	TVS
		Sulfide		0.002	Uranium		
				0.002	Zinc	TVS	TVS
12. Mainstem	of the Cache La Poudre River from a p				Zinc	TVS	TVS
12. Mainstem COSPCP12	of the Cache La Poudre River from a p		ence with Boxelde		Zinc e confluence with the South	TVS	TVS
		poin immediately above the conflu	ence with Boxelde		Zinc e confluence with the South	TVS Platte River.	TVS chronic
COSPCP12	Classifications	poin immediately above the conflu	ence with Boxelde Biological	r Creek to th	Zinc e confluence with the South	TVS Platte River. etals (ug/L)	
COSPCP12 Designation	Classifications Agriculture	poin immediately above the conflu Physical and I	ence with Boxelde Biological DM	r Creek to th	Zinc e confluence with the South M	TVS Platte River. etals (ug/L) acute	
COSPCP12 Designation	Classifications Agriculture Aq Life Warm 1	poin immediately above the conflu Physical and I	ence with Boxelde Biological DM WS-I	r Creek to th MWAT WS-I	Zinc e confluence with the South M Aluminum	TVS Platte River. etals (ug/L) acute 	chronic
COSPCP12 Designation Reviewable	Classifications Agriculture Aq Life Warm 1	poin immediately above the conflu Physical and I Temperature °C	ence with Boxelde Biological DM WS-I acute	r Creek to th MWAT WS-I chronic	Zinc e confluence with the South M Aluminum Arsenic	TVS Platte River. etals (ug/L) acute 340	chronic
COSPCP12 Designation Reviewable Qualifiers: Other:	Classifications Agriculture Aq Life Warm 1 Recreation E	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L)	ence with Boxelde Biological DM WS-I acute 	MWAT WS-I chronic 5.0	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T)	TVS Platte River. etals (ug/L) acute 340 	chronic 7.6
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M	Classifications Agriculture Aq Life Warm 1 Recreation E	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0	r Creek to th MWAT WS-I chronic 5.0	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium	TVS Platte River. etals (ug/L) acute 340 	chronic 7.6
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 	r Creek to th MWAT WS-I chronic 5.0 	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium	TVS Platte River. etals (ug/L) acute 340 TVS	chronic 7.6 TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s):	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 	r Creek to th MWAT WS-I chronic 5.0 	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III	TVS Platte River. etals (ug/L) acute 340 TVS TVS	chronic 7.6 TVS TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	ence with Boxelde Biological DM WS-1 acute 6.5 - 9.0 c (mg/L)	r Creek to th MWAT WS-I chronic 5.0 126	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS 	chronic 7.6 TVS TVS TVS 100
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani	ence with Boxelde Biological WS-I acute 6.5 - 9.0 c (mg/L) acute	r Creek to th MWAT WS-I chronic 5.0 126 chronic	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III(T)	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 c (mg/L) acute TVS	r Creek to th MWAT WS-I chronic 5.0 126 chronic TVS	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III Chromium VI Copper	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 100 TVS TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron	ence with Boxelde Biological DM WS-1 acute 6.5 - 9.0 c (mg/L) acute TVS	r Creek to th MWAT WS-1 chronic 5.0 126 126 Chronic TVS 0.75	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron(T)	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS TVS 100 TVS TVS 100 TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Divin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	ence with Boxelde Biological DM WS-1 acute 6.5 - 9.0 c (mg/L) acute TVS 	r Creek to th MWAT WS-I chronic 5.0 126 chronic TVS 0.75 	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS 100 TVS 100 TVS TVS TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Divin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 c (mg/L) acute TVS 0.019	r Creek to th MWAT WS-I chronic 5.0 126 Chronic TVS 0.75 0.011	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese	TVS Platte River. etals (ug/L) acute 340 340 TVS	chronic 7.6 TVS TVS 100 TVS 100 TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005	r Creek to th MWAT WS-I chronic 5.0 126 chronic TVS 0.75 0.011 	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury	TVS Platte River. etals (ug/L) acute 340 TVS TVS <tr td=""> <tr td=""></tr></tr>	chronic 7.6 TVS TVS 100 TVS 100 TVS TVS 100 TVS TVS 1000 TVS 1000 TVS 0.01(t)
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Doin immediately above the conflu Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 (mg/L) C (mg/L) C (mg/L) 0.019 0.005 100	r Creek to th MWAT WS-I chronic 5.0 126 Chronic TVS 0.75 0.011 0.011	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T)	TVS Platte River. etals (ug/L) acute 340 TVS TVS TVS TVS TVS TVS TVS	chronic 7.6 TVS TVS 100 TVS 1000 TVS TVS 1000 TVS 0.01(t) 150
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Divin immediately above the conflue Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	ence with Boxelde Biological DM WS-1 acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 100	r Creek to th MWAT WS-1 chronic 5.0 126 chronic TVS 0.75 0.011 2.7	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel	TVS Platte River. etals (ug/L) acute 340 TVS	chronic 7.6 TVS TVS 100 TVS 100 TVS 100 TVS 1000 TVS 1000 TVS 1000 TVS 1000 TVS 1000 TVS 0.01(t) 150 TVS
COSPCP12 Designation Reviewable Qualifiers: Other: Temporary M temperature(E condition	Classifications Agriculture Aq Life Warm 1 Recreation E odification(s): DM/MWAT) = current	Decin immediately above the conflue Physical and I Physical and I Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	ence with Boxelde Biological DM WS-I acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	r Creek to th MWAT WS-I chronic 5.0 126 Chronic TVS 0.75 0.011 2.7 	Zinc e confluence with the South M Aluminum Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III Chromium III Chromium VI Copper Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium	TVS Platte River. etals (ug/L) acute 340 TVS	chronic 7.6 TVS 100 TVS 100 TVS 100 TVS 0.01(t) 150 TVS TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Cache La Poudre River Basin

13b. Mainsterr	n of Boxelder Creek	from its source to t	he confluence with the C	ache La Poudr	e River.					
COSPCP13B Classifications			Physical and Biological				Metals (ug/L)			
Designation Agriculture					DM	MWAT		acute	chronic	
Reviewable Aq Life Warm 2 Recreation N 9/16 - 5/14 Recreation P 5/15 - 9/15		Temperature °C		WS-II	WS-II	Aluminum				
				acute	chronic	Arsenic	340			
		5/15 - 9/15	D.O. (mg/L)			5.0	Arsenic(T)		100	
Qualifiers:		рН		6.5 - 9.0		Beryllium				
Other:			chlorophyll a (mg/m2)			150*	Cadmium	TVS	TVS	
Temporary Modification(s):		E. Coli (per 100 mL)	5/15 - 9/15		205	Chromium III	TVS	TVS		
Selenium(chronic) = current condition		E. Coli (per 100 mL)	9/16 - 5/14		630	Chromium III(T)		100		
Expiration Date of 12/31/2020						Chromium VI	TVS	TVS		
*chlorophyll a	(mg/m2)(chronic) =	applies only above	Inorganic (mg/L)			Copper	TVS	TVS		
the facilities lis	sted at 38.5(4).				acute	chronic	Iron(T)		1000	
[^] Phosphorus(c facilities listed	chronic) = applies o at 38.5(4).	nly above the	Ammonia		TVS	TVS	Lead	TVS	TVS	
			Boron			0.75	Manganese	TVS	TVS	
			Chloride				Mercury		0.01(t)	
			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			0.17*	Uranium			
			Sulfate				Zinc	TVS	TVS	
			Sulfide			0.002				