COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL COMMISSION

5 CCR 1002-33

REGULATION NO. 33
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
UPPER COLORADO RIVER BASIN AND
NORTH PLATTE RIVER (PLANNING REGION 12)

APPENDIX 33-1
Stream Classifications and Water Quality Standards Tables

Effective 06/30/2021

Abbreviations and Acronyms

Aq °C Aquatic =

degrees Celsius

CL cold lake temperature tier CLL cold large lake temperature tier CS-I cold stream temperature tier one CS-II cold stream temperature tier two

D.O. dissolved oxygen

DM daily maximum temperature DUWS direct use water supply

E. coli Escherichia coli EQ existing quality mg/L milligrams per liter

mg/m² milligrams per square meter

mĹ

MWAT maximum weekly average temperature

OW outstanding waters

sculpin SC

SSE site-specific equation total recoverable Т

total t = tr trout

TVS = table value standard micrograms per liter μg/L = UP use-protected WS water supply

WS-I = warm stream temperature tier one WS-II warm stream temperature tier two WS-III warm stream temperature tier three

WL warm lake temperature tier

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

COUCYA02B	Classifications	Physical and	Biological		Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340		
	Recreation E		acute	chronic	Arsenic(T)		0.02	
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS	TVS	
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0		
Other:		pH	6.5 - 9.0		Chromium III		TVS	
Temporary Mo	odification(s):	chlorophyll a (mg/m²)			Chromium III(T)	50		
Arsenic(chroni	. ,	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS	
emperature(M	WAT) = current conditions*				Copper	TVS	TVS	
Expiration Date	e of 12/31/2024	Inorganic (mg/L)		Iron		WS		
t Iranium(acut	e) = See 33.5(3) for details.		acute	chronic	Iron(T)		1000	
·	nic) = See 33.5(3) for details.	Ammonia	TVS	TVS	Lead	TVS	TVS	
Temperature:	, , ,	Boron		0.75	Lead(T)	50		
	r temperature standards. mperature = applies from 7/1-9/30	Chloride		250	Manganese	TVS	TVS/WS	
). Adopted 6/10/2019	Chlorine	0.019	0.011	Mercury(T)		0.01	
		Cyanide	0.005		Molybdenum(T)		150	
		Nitrate	10		Nickel	TVS	TVS	
		Nitrite	0.05		Nickel(T)		100	
		Phosphorus			Selenium	TVS	TVS	
		Sulfate		WS	Silver	TVS	TVS(tr)	
		Sulfide		0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	

3. All tributaries to the Yampa River, including all wetlands, from the source to above the confluence with the Elk River, except for specific listings in Segments 1 and 4-7. Mainstem of the Bear River, including all tributaries and wetlands, from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.

COUCYA03	Classifications	Physical and Bio	ological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	
Other:		pН	6.5 - 9.0		Chromium III		TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)		150*	Chromium III(T)	50	
Arsenic(chroni	ic) = hybrid	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2024				Copper	TVS	TVS
*chlorophyll a	(mg/m²)(chronic) = applies only above	Inorganic (mg/L)			Iron		WS
the facilities lis	sted at 33.5(4).		acute	chronic	Iron(T)		1000
facilities listed	chronic) = applies only above the at 33.5(4).	Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(acut	te) = See 33.5(3) for details.	Boron		0.75	Lead(T)	50	
*Uranium(chro	onic) = See 33.5(3) for details.	Chloride		250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)		0.01
		Cyanide	0.005		Molybdenum(T)		150
		Nitrate	10		Nickel	TVS	TVS
		Nitrite	0.05		Nickel(T)		100
		Phosphorus		0.11*	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS(tr)
		Sulfide		0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

13b. Mainstem of Foidel Creek, including all tributaries and wetlands, from the source to the confluence with Middle Creek. Mainstem of Fish Creek, including all tributaries and wetlands, from County Road 27 (40.355559, -107.105131) to the confluence with Trout Creek, except for specific listings in Segment 13g. Mainstem of Middle Creek, including all tributaries and wetlands, from County Road 27 (40.339183, -107.025533) to the confluence with Trout Creek.

COUCYA13B	Classifications	Physical and B	iological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		7.6
Qualifiers:		D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)		7.0	Chromium III	TVS	TVS
		pН	6.5 - 9.0		Chromium III(T)		100
	c) = See section 33.6(4) for standards nt locations for Foidel Creek and	chlorophyll a (mg/m²)		150	Chromium VI	TVS	TVS
Middle Creek.		E. Coli (per 100 mL)		126	Copper	TVS	TVS
,	e) = See 33.5(3) for details.				Iron(T)		1000
*Uranium(chro *Temperature	nic) = See 33.5(3) for details.	Inorganic (mg/L)		Iron(T)		varies*	
	r temperature standards.		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Mercury(T)		0.01
		Chloride			Molybdenum(T)		150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005		Selenium	TVS	TVS
		Nitrate	100		Silver	TVS	TVS
		Nitrite	0.05		Uranium	varies*	varies*
		Phosphorus		0.11	Zinc	TVS	TVS
		Sulfate					
		Sulfide		0.002			

13c. Mainstem of Trout Creek, including all tributaries and wetlands, from the headgate of Spruce Hill Ditch (40.317190, -107.005110) to the confluence with Fish Creek, except for specific listings in Segment 13b.

COUCYA13C	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	
Other:		pH	6.5 - 9.0		Chromium III		TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m²)		150	Chromium III(T)	50	
Arsenic(chroni	* *	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
,	e of 12/31/2024				Copper	TVS	TVS
*! !:	-) 0 20 5(0) (Inorgan	ic (mg/L)		Iron		WS
,	e) = See 33.5(3) for details. nic) = See 33.5(3) for details.		acute	chronic	Iron(T)		1000
Oranium(cmo	Tile) = 366 33.3(3) for details.	Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead(T)	50	
		Chloride		250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)		0.01
		Cyanide	0.005		Molybdenum(T)		150
		Nitrate	10		Nickel	TVS	TVS
		Nitrite	0.05		Nickel(T)		100
		Phosphorus		0.11	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS(tr)
		Sulfide		0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

D.O. = dissolved oxygen

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

13d. Mainstem of Dry Creek, including all tributaries		above the conflue		mple Gulch		
COUCYA13D Classifications	Physical and E		nce with ren	inple Guich.	Metals (ug/L)	
Designation Agriculture	1 Hysical and E	DM	MWAT		acute	chronic
UP Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	
Recreation E	Tomporaturo o	acute	chronic	Arsenic(T)		100
Qualifiers:	D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Other:	pH	6.5 - 9.0		Chromium III	TVS	TVS
	chlorophyll a (mg/m²)		150	Chromium III(T)		100
Temporary Modification(s): Iron(chronic) = current condition 3/1 - 4/3	0 E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Date of 6/30/2023	Inorganio	(mg/L)		Copper	TVS	TVS
•		acute	chronic	Iron(T)		varies*
*Iron(T)(chronic) = See section 33.6(4) for standard and assessment locations.	Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.	Boron		0.75	Manganese	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.	Chloride			Mercury(T)		0.01
	Chlorine	0.019	0.011	Molybdenum(T)		150
	Cyanide	0.005		Nickel	TVS	TVS
	Nitrate	100		Selenium	TVS	TVS
	Nitrite	0.05		Silver	TVS	TVS
	Phosphorus		0.17	Uranium	varies*	varies*
	Sulfate			Zinc	TVS	TVS
	Sulfide		0.002			
13e. Mainstem of Sage Creek, including all tributari	es and wetlands, from the source t	o the confluence v	vith the Yam	pa River.		
COUCYA13E Classifications	Physical and E	Biological			Metals (ug/L)	
Designation Agriculture		DM	MWAT		acute	chronic
UP Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	
Water Supply		acute	chronic	Arsenic(T)		0.02-10 ^A
Recreation N	D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Qualifiers:	pH	6.5 - 9.0		Cadmium(T)	5.0	
Other:	chlorophyll a (mg/m²)			Chromium III		TVS
Temporary Modification(s):	E. Coli (per 100 mL)		630	Chromium III(T)	50	
Selenium(chronic) = current conditions*	Inorganio	(mg/L)		Chromium VI	TVS	TVS
Expiration Date of 12/31/2022		acute	chronic	Copper	TVS	TVS
*Iron(T)(chronic) = See section 33.6(4) for standard	Ammonia	TVS	TVS	Iron		WS
and assessment locations for Sage Creek. *Uranium(acute) = See 33.5(3) for details.	Boron		0.75	Iron(T)		1000
Uranium(acute) = See 33.5(3) for details.	Chloride		250	Iron(T)		varies
*TempMod: Selenium = Adopted 6/9/2014	Chlorine	0.019	0.011	Lead	TVS	TVS
rempinion coloniam raopted 6,6,20 m	Cyanide	0.005		Lead(T)	50	
	Nitrate	10		Manganese	TVS	TVS/WS
	Nitrite	0.05		Mercury(T)		0.01
	Phosphorus		0.17	Molybdenum(T)		150
	Sulfate		WS	Nickel	TVS	TVS
	Sulfide		0.002	Nickel(T)		100
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

sc = sculpin

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

13f. Mainstem	of Trout Creek, including all tributar	<u> </u>	ediately below the		vith Fish Creek to the conf	luence with the Yampa	a River.
	Classifications	Physical and				Metals (ug/L)	
	Agriculture	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DM	MWAT		acute	chronic
	Ag Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	
	Recreation E	Tomporataro C	acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	
Other:		pH	6.5 - 9.0		Chromium III		TVS
		chlorophyll a (mg/m²)		150	Chromium III(T)	50	
Temporary Mo		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chronic		L. Coli (per 100 IIIL)		120		TVS	TVS
Expiration Date	e of 12/31/2024	lu	: - (/l \)		Copper		
*Uranium(acute	e) = See 33.5(3) for details.	inorgan	ic (mg/L)		Iron		WS
*Uranium(chro	nic) = See 33.5(3) for details.		acute	chronic	Iron(T)	 	1000
*Temperature :	= r temperature standards.	Ammonia	TVS	TVS	Lead	TVS	TVS
See 33.6(4) 101	temperature standards.	Boron		0.75	Lead(T)	50	
		Chloride		250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)		0.01
		Cyanide	0.005		Molybdenum(T)		150
		Nitrate	10		Nickel	TVS	TVS
		Nitrite	0.05		Nickel(T)	-	100
		Phosphorus		0.11	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS(tr)
		Sulfide		0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
13g. All tributar	ries to Fish Creek from the confluer	nce with Cow Camp Creek (40.3987	773, -107.016467)	to the conflue	ence with Trout Creek.		
COUCYA13G	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		7.6
Qualifiers:		D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0		Chromium III	TVS	TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m²)		150	Chromium III(T)		100
-	nic) = current conditions*	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
,	e of 12/31/2022	Inorgan	ic (mg/L)		Copper	TVS	TVS
			acute	chronic	Iron(T)		1000
	e) = See 33.5(3) for details.	Ammonia	TVS	TVS	Lead	TVS	TVS
,	nic) = See 33.5(3) for details.	Boron		0.75	Manganese	TVS	TVS
rempivioa: Se	elenium = Adopted 6/9/2014	Chloride			Mercury(T)		0.01
		Chlorine	0.019	0.011	Molybdenum(T)		150
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	100		Selenium	TVS	TVS
		Nitrite	0.05		Silver	TVS	TVS
		Phosphorus		0.17	Uranium	varies*	varies*
		Sulfate			Zinc	TVS	TVS
		Sulfide		0.002			,,,
		Guillae		0.002			

sc = sculpin

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

13h Mainsterr	o of Dry Creek (near Hayden), inclu	ding all tributaries and wetlands, fro	m above the conflue	ence with Te	emple Gulch to the confluen	ce with the Yamna Ri	ver
	Classifications	Physical and		51100 With 10		Metals (ug/L)	¥01.
Designation		i iiyoloal alia	DM	MWAT		acute	chronic
UP	Ag Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		7.6
Qualifiers:		D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0		Chromium III	TVS	TVS
ouioi.		chlorophyll a (mg/m²)		150	Chromium III(T)		100
*Uranium(acut	te) = See 33.5(3) for details.	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
*Uranium(chro	onic) = See 33.5(3) for details.	" '	ic (mg/L)		Copper	TVS	TVS
		g	acute	chronic	Iron(T)		1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Manganese	TVS	TVS
		Chloride			Mercury(T)		0.01
		Chlorine	0.019	0.011	Molybdenum(T)		150
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	100		Selenium	TVS	TVS
		Nitrite	0.05		Silver	TVS	TVS
		Phosphorus		0.17	Uranium	varies*	varies*
		Sulfate			Zinc	TVS	TVS
		Sulfide		0.002			
13i Mainstem	of Grassy Creek, including all tribu	taries and wetlands, from the source	e to immediately abo		Luence with Scotchmans Gr	ulch	
	Classifications	Physical and				Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP							
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	
		Temperature °C	WS-II acute		Arsenic Arsenic(T)		100
Qualifiers:	Aq Life Warm 2	Temperature °C D.O. (mg/L)		WS-II		340	 100 TVS
	Aq Life Warm 2		acute	WS-II chronic	Arsenic(T)	340	
Qualifiers: Other:	Aq Life Warm 2 Recreation N	D.O. (mg/L)	acute 	WS-II chronic 5.0	Arsenic(T) Cadmium	340 TVS	TVS
Qualifiers: Other: Temporary Mo	Aq Life Warm 2 Recreation N odification(s):	D.O. (mg/L)	acute 6.5 - 9.0	ws-II chronic 5.0	Arsenic(T) Cadmium Chromium III	340 TVS TVS	TVS TVS
Qualifiers: Other: Temporary Mo Iron(chronic) =	Aq Life Warm 2 Recreation N odification(s): = current conditions*	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	acute 6.5 - 9.0 	WS-II chronic 5.0	Arsenic(T) Cadmium Chromium III Chromium III(T)	340 TVS TVS 	TVS TVS 100
Qualifiers: Other: Temporary Molern (chronic) = Expiration Date	Aq Life Warm 2 Recreation N odification(s): = current conditions* te of 6/30/2023	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	acute 6.5 - 9.0 	WS-II chronic 5.0	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI	340 TVS TVS TVS	TVS TVS 100 TVS
Qualifiers: Other: Temporary Molron(chronic) = Expiration Date Selenium(chro	Aq Life Warm 2 Recreation N odification(s): = current conditions*	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL)	acute 6.5 - 9.0 ic (mg/L)	WS-II chronic 5.0 630	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper	340 TVS TVS TVS TVS	TVS TVS 100 TVS TVS
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date	Aq Life Warm 2 Recreation N odification(s): = current conditions* te of 6/30/2023 onic) = current conditions* te of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani	acute 6.5 - 9.0 ic (mg/L) acute	WS-II chronic 5.0 630 chronic	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T)	340 TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date *Urranium(acut	Aq Life Warm 2 Recreation N odification(s): = current conditions* te of 6/30/2023 onic) = current conditions* te of 12/31/2022 te) = See 33.5(3) for details.	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani	acute 6.5 - 9.0 ic (mg/L) acute TVS	WS-II chronic 5.0 630 chronic TVS	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead	340 TVS TVS TVS TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000 TVS
Qualifiers: Other: Temporary Moleon(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro	Aq Life Warm 2 Recreation N odification(s): = current conditions* te of 6/30/2023 onic) = current conditions* te of 12/31/2022 te) = See 33.5(3) for details. onic) = See 33.5(3) for details.	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron	acute 6.5 - 9.0 ic (mg/L) acute TVS	WS-II chronic 5.0 630 chronic TVS 0.75	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese	340 TVS TVS TVS TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000 TVS TVS 1000 TVS TVS
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro *TempMod: Iro	Aq Life Warm 2 Recreation N odification(s): = current conditions* the of 6/30/2023 onic) = current conditions* the of 12/31/2022 the end of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	acute 6.5 - 9.0 ic (mg/L) acute TVS	WS-II chronic 5.0 630 chronic TVS 0.75	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury(T)	340 TVS TVS TVS TVS TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000 TVS 1000 TVS TVS 0.01
Qualifiers: Other: Temporary Moliron(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro *TempMod: Iro	Aq Life Warm 2 Recreation N odification(s): = current conditions* te of 6/30/2023 onic) = current conditions* te of 12/31/2022 te) = See 33.5(3) for details. onic) = See 33.5(3) for details.	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019	## WS-II chronic 5.0 630 Chronic TVS 0.75 0.011	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T)	340 TVS TVS TVS TVS TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000 TVS TVS 0.01 150
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro *TempMod: Iro	Aq Life Warm 2 Recreation N odification(s): = current conditions* the of 6/30/2023 onic) = current conditions* the of 12/31/2022 the end of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	## Chronic 5.0 630 Chronic TVS 0.75 0.011	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel	340 TVS TVS TVS TVS TVS TVS TVS TVS TVS	TVS TVS 100 TVS TVS 1000 TVS TVS 0.01 150 TVS
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro *TempMod: Iro	Aq Life Warm 2 Recreation N odification(s): = current conditions* the of 6/30/2023 onic) = current conditions* the of 12/31/2022 the end of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 100	Chronic 5.0 630 chronic TVS 0.75 0.011	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium	340 TVS	TVS TVS 100 TVS TVS 1000 TVS TVS 0.01 150 TVS TVS
Qualifiers: Other: Temporary Mo Iron(chronic) = Expiration Date Selenium(chro Expiration Date *Uranium(acut *Uranium(chro *TempMod: Iro	Aq Life Warm 2 Recreation N odification(s): = current conditions* the of 6/30/2023 onic) = current conditions* the of 12/31/2022 the end of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 100 0.05	## WS-II chronic 5.0 630 Chronic TVS 0.75 0.011	Arsenic(T) Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver	340 TVS	TVS TVS 100 TVS TVS 1000 TVS TVS 0.01 150 TVS TVS TVS

sc = sculpin

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

COUCYA13J	Classifications	Physical and	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340		
	Recreation N		acute	chronic	Arsenic(T)		100	
Qualifiers:		D.O. (mg/L)		5.0	Cadmium	TVS	TVS	
Other:		pH	6.5 - 9.0		Chromium III	TVS	TVS	
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium III(T)		100	
' '	onic) = current conditions*	E. Coli (per 100 mL)		630	Chromium VI	TVS	TVS	
Expiration Dat	e of 12/31/2022	Inorganic (mg/L)			Copper	TVS	TVS	
*11 ' /	0 00 5(0) (1 1 1		acute	chronic	Iron(T)		1000	
,	te) = See 33.5(3) for details.	Ammonia	TVS	TVS	Lead	TVS	TVS	
,	onic) = See 33.5(3) for details. elenium = Adopted 12/11/2017	Boron		0.75	Manganese	TVS	TVS	
rempiriou. O	eleniam – Adopted 12/11/2017	Chloride			Mercury(T)		0.01	
		Chlorine	0.019	0.011	Molybdenum(T)		150	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	100		Selenium	TVS	TVS	
		Nitrite	0.05		Silver	TVS	TVS	
		Phosphorus		0.17	Uranium	varies*	varies*	
		Sulfate			Zinc	TVS	TVS	
		Sulfide		0.002				

^{14.} Mainstem of Elkhead Creek, including all tributaries and wetlands, from the boundary of the National Forest lands, to a point immediately below the confluence with Calf Creek. Dry Fork Elkhead Creek, including all tributaries and wetlands, from the source to a point immediately below 80A Road (40.612676, -107.228533), which are not on National Forest lands.

COUCYA14	Classifications	Physical and	Biological		N	/letals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	
Other:		pH	6.5 - 9.0		Chromium III		TVS
		chlorophyll a (mg/m²)		150	Chromium III(T)	50	
,	te) = See 33.5(3) for details.	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
*Uranium(chro	onic) = See 33.5(3) for details.				Copper	TVS	TVS
		Inorgan	ic (mg/L)		Iron		WS
			acute	chronic	Iron(T)		1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead(T)	50	
		Chloride		250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)		0.01
		Cyanide	0.005		Molybdenum(T)		150
		Nitrate	10		Nickel	TVS	TVS
		Nitrite	0.05		Nickel(T)		100
		Phosphorus		0.11	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS(tr)
		Sulfide		0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

sc = sculpin

D.O. = dissolved oxygen

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS - FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.