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

rou. Mainstern	· , · · · · · · · · · · · · · ·	and wetlands, from the source to ju	ust above the cor	inuence with	Temple Guich.			
COUCYA13D Classifications		Physical and Biological			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:		pН	6.5 - 9.0		Beryllium			
Temporary Modification(s):		chlorophyll a (mg/m2)		150	Cadmium		TVS	TVS
		E. Coli (per 100 mL)		126	Chromium III		TVS	TVS
Expiration Date of 6/30/2023		Inorganic	(mg/L)		Chromium III(T)			100
Selenium(chronic) = current conditions			acute	chronic	Chromium VI		TVS	TVS
Expiration Date of 12/31/2022		Ammonia	TVS	TVS	Copper		TVS	TVS
*Iron(T)(chronic) = See section 33.6(4) for iron assessment locations. *Iron(T)(chronic) = See section 33.6(4) for iron assessment locations.		Boron		0.75	Iron(T)	5/1 - 2/29		1110*
		Chloride			Iron(T)	3/1 - 4/30		3040*
		Chlorine	0.019	0.011	Lead		TVS	TVS
		Cyanide	0.005		Manganese		TVS	TVS
		Nitrate	100		Mercury			0.01(t)
		Nitrite		0.05	Molybdenum(T)			160
		Phosphorus		0.17	Nickel		TVS	TVS
		Sulfate			Selenium		TVS	TVS
		Sulfide		0.002	Silver		TVS	TVS
					Uranium			
					Zinc		TVS	TVS
13e. Mainstem	n of Sage Creek, including all tributaries	s and wetlands, from its sources to	the confluence	with the Yam	pa River.			
COUCYA13E Classifications		Physical and Biological			Metals (ug/L)			
			8			Mictais (ug/	-/	
Designation	Agriculture		DM	MWAT			acute	chronic
-	Agriculture Aq Life Warm 2	Temperature °C	•	MWAT WS-II	Aluminum			chronic
UP	- ⁻	Temperature °C	DM		Aluminum Arsenic		acute	
UP	Aq Life Warm 2	Temperature °C D.O. (mg/L)	DM WS-II	WS-II			acute	
UP	Aq Life Warm 2		DM WS-II acute	WS-II chronic	Arsenic		acute 340	
UP Qualifiers:	Aq Life Warm 2 Recreation N	D.O. (mg/L)	DM WS-II acute 	WS-II chronic 5.0	Arsenic Arsenic(T)		acute 340 	 100
UP Qualifiers: Other: Temporary Mo	Aq Life Warm 2 Recreation N	D.O. (mg/L) pH	DM WS-II acute 6.5 - 9.0	WS-II chronic 5.0	Arsenic Arsenic(T) Beryllium		acute 340 	 100
UP Qualifiers: Other: Temporary Mo Selenium(chro	Aq Life Warm 2 Recreation N odification(s):	D.O. (mg/L) pH chlorophyll a (mg/m2)	DM WS-II acute 6.5 - 9.0 	WS-II chronic 5.0 	Arsenic Arsenic(T) Beryllium Cadmium		acute 340 TVS	 100 TVS
UP Qualifiers: Other: Temporary Mo Selenium(chro Expiration Date	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM WS-II acute 6.5 - 9.0 	WS-II chronic 5.0 	Arsenic Arsenic(T) Beryllium Cadmium Chromium III		acute 340 TVS TVS	 100 TVS TVS
UP Qualifiers: Other: Temporary Mo Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I	Aq Life Warm 2 Recreation N odification(s): nic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM WS-II acute 6.5 - 9.0 (mg/L)	WS-II chronic 5.0 630 chronic	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T)		acute 340 TVS TVS 	 100 TVS TVS 100
UP Qualifiers: Other: Temporary Mo Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I Creek is the wo	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic	DM WS-II acute 6.5 - 9.0 (mg/L) acute	WS-II chronic 5.0 630 chronic	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI		acute 340 TVS TVS TVS	 100 TVS TVS 100 TVS
UP Qualifiers: Other: Temporary Mo Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I Creek is the wo See section 33 *Iron(T)(chroni	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS	WS-II chronic 5.0 630 chronic TVS	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper		acute 340 TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS TVS
UP Qualifiers: Other: Temporary Mo Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I Creek is the wo See section 33 *Iron(T)(chroni	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations.	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 	WS-II chronic 5.0 630 chronic Chronic TVS 0.75	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T)		acute 340 TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS TVS 1250*
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 	WS-II chronic 5.0 630 chronic TVS 0.75 	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T)		acute 340 TVS TVS TVS TVS TVS TVS TVS 	 100 TVS TVS 100 TVS 1250* 1000*
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019	WS-II chronic 5.0 630 chronic TVS 0.75 0.011	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005	WS-II chronic 5.0 630 chronic TVS 0.75 0.011	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS TVS TVS
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100	WS-II chronic 5.0 630 chronic TVS 0.75 0.011	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS TVS TVS 0.01(t)
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100	WS-II chronic 5.0 630 Chronic Chronic 0.011 0.05	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury Molybdenum(T)		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS 1000* TVS 0.01(t) 160
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	WS-II chronic 5.0 630 chronic TVS 0.75 0.011 0.05 0.17	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury Molybdenum(T)		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS 1000* TVS 0.01(t) 160 TVS
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	WS-II chronic 5.0 630 chronic TVS 0.75 0.011 0.05 0.17	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS 0.01(t) 160 TVS TVS
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	WS-II chronic 5.0 630 chronic TVS 0.75 0.011 0.05 0.17	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS TVS 0.01(t) 160 TVS TVS TVS
UP Qualifiers: Other: Temporary Mc Selenium(chro Expiration Date *Iron(T)(chroni Creek. Break I Creek is the wc See section 33 *Iron(T)(chroni Creek. See se	Aq Life Warm 2 Recreation N odification(s): onic) = current conditions e of 12/31/2022 ic) = 1,250(T) ug/L on Upper Sage between Upper and Lower Sage est border of Section 18, T5N, R87W. 3.6(4) for iron assessment locations. ic) = 1,000(T) ug/L on Lower Sage	D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM WS-II acute 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 100 100	WS-II chronic 5.0 630 chronic TVS 0.75 0.011 0.05 0.17	Arsenic Arsenic(T) Beryllium Cadmium Chromium III Chromium III(T) Chromium VI Copper Iron(T) Iron(T) Lead Manganese Mercury Molybdenum(T) Nickel Selenium Silver Uranium		acute 340 TVS TVS TVS TVS TVS TVS TVS TVS	 100 TVS TVS 100 TVS 1250* 1000* TVS 0.01(t) 160 TVS 0.01(t) 160 TVS TVS 0.01(t) 160 TVS

tr = trout

sc = sculpin

D.O. = dissolved oxygen DM = daily maximum MWAT = maximum weekly average temperature See 33.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.