COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

WATER QUALITY CONTROL COMMISSION

5 CCR 1002-32

REGULATION NO. 32 CLASSIFICATIONS AND NUMERIC STANDARDS FOR <u>ARKANSAS RIVER BASIN</u>

APPENDIX 32-1 Stream Classifications and Water Quality Standards Tables

Effective 02/14/2021

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

_ong Gulch, e	except for the specific listing to segment	23.					onfluence with
COARUA20A	Classifications	Physical and B	liological			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)		7.6
Qualifiers:		D.O. (mg/L)		6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)		7.0	Chromium III	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		рН	6.5 - 9.0		Chromium III(T)		100
		chlorophyll a (mg/m ²)		150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)		126	Copper	TVS	TVS
					Iron(T)		1000
		Inorganic	: (mg/L)		Lead	TVS	TVS
*Temperature = DM=14.2 and MWAT=9.7 from 11/1-2/29 DM= 27.1 and MWAT=21 from 3/1-10/31			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)		0.01
		Boron		0.75	Molybdenum(T)		150
		Chloride			Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005		Silver	TVS	TVS(tr)
		Nitrate	100		Uranium	varies*	varies*
		Nitrite	0.05		Zinc	TVS	TVS
		Phosphorus		0.11*			
		Sulfate					
		Sulfide		0.002			
20b. Mainstem of Fourmile Creek, including all tributa		aries and wetlands, from the confluence with Long Gulch to the					
		Physical and B	-			Metals (ug/L)	
Designation	Agriculture	T 1 20	DM · ·	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	varies*	varies*	Arsenic	340	
	Water Supply		acute	chronic	Arsenic(T)		0.02
ualifiers:	Match Cappiy	D.O. (mg/L)		6.0	Cadmium	TVS	TVS
		D.O. (spawning)		7.0	Cadmium(T)	5.0	
Other:		pH	6.5 - 9.0		Chromium III		TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)		150*	Chromium III(T)	50	
·	ic) = hybrid	E. Coli (per 100 mL)		126	Chromium VI	TVS	
					Copper	TVS	TVS TVS
xpiration Dat	ic) = hybrid te of 12/31/2024 (mg/m²)(chronic) = applies only above	Inorgania	: (mg/L)	126	Copper Iron	TVS 	TVS WS
xpiration Dat chlorophyll a ne facilities lis	ic) = hybrid te of 12/31/2024	Inorganic	: (mg/L) acute	126 chronic	Copper Iron Iron(T)	TVS 	TVS WS 1000
xpiration Dat chlorophyll a le facilities lis Phosphorus(icilities listed	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4).	Inorganic	: (mg/L) acute TVS	126 chronic TVS	Copper Iron Iron(T) Lead	TVS TVS	TVS WS 1000 TVS
xpiration Dat hlorophyll a e facilities lis Phosphorus(cilities listed Sulfate(chron the point of	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). ic) = Dissolved standards applicable withdraw.	Ammonia Boron	: (mg/L) acute TVS 	126 chronic TVS 0.75	Copper Iron Iron(T) Lead Lead(T)	TVS TVS 50	TVS WS 1000 TVS
xpiration Dat hlorophyll a e facilities lis hosphorus(cilities listed sulfate(chron the point of langanese(c	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards	Inorganic Ammonia Boron Chloride	: (mg/L) acute TVS 	126 chronic TVS 0.75 250	Copper Iron Iron(T) Lead Lead(T) Manganese	TVS TVS 50 TVS	TVS WS 1000 TVS
xpiration Dat hlorophyll a e facilities lis Phosphorus((cilities listed Sulfate(chron the point of Aanganese(oplicable at t	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). ic) = Dissolved standards applicable withdraw.	Ammonia Boron Chloride Chlorine	: (mg/L) acute TVS 0.019	126 chronic TVS 0.75 250 0.011	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T)	TVS TVS 50 TVS 	TVS WS 1000 TVS TVS/WS* 0.01
xpiration Dat chlorophyll a e facilities listed cilities listed sulfate(chron the point of Manganese(o oplicable at t Jranium(acu	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw.	Ammonia Boron Chloride Chlorine Cyanide	: (mg/L) acute TVS 0.019 0.005	126 chronic TVS 0.75 250 0.011 	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T)	TVS TVS 50 TVS 	TVS WS 1000 TVS TVS/WS* 0.01 150
xpiration Dat chlorophyll a le facilities listed cilities listed sulfate(chron the point of Aanganese(co oplicable at t Jranium(acur Jranium(chroc emperature	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw. te) = See 32.5(3) for details. onic) = See 32.5(3) for details.	Ammonia Boron Chloride Chlorine Cyanide Nitrate	: (mg/L) acute TVS 0.019 0.005 10	126 chronic TVS 0.75 250 0.011 	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel	TVS TVS 50 TVS TVS	TVS WS 1000 TVS TVS/WS* 0.01 150 TVS
xpiration Dat hlorophyll a le facilities lised cilities listed Sulfate(chron the point of Aanganese(c opplicable at t Jranium(chro Tranium(chro Tranium(chro Tranium)	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). ic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw. te) = See 32.5(3) for details. onic) = See 32.5(3) for details.	Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	e (mg/L) acute TVS 0.019 0.005 10 0.05	126 chronic TVS 0.75 250 0.011 	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T)	TVS TVS 50 TVS TVS 	TVS WS 1000 TVS TVS/WS* 0.01 150 TVS 100
chlorophyll a pe facilities list phosphorus(cicilities listed Sulfate(chron t the point of Manganese(c Manganese(c Jranium(chro Femperature M=13 and M	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw. te) = See 32.5(3) for details. onic) = See 32.5(3) for details. = IWAT=9.4 from 11/1-2/29	Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	: (mg/L) acute TVS 0.019 0.005 10	126 chronic TVS 0.75 250 0.011 0.11*	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	TVS TVS 50 TVS TVS TVS	TVS WS 1000 TVS TVS/WS* 0.01 150 TVS 100 TVS
xpiration Dat chlorophyll a le facilities lised collities listed Sulfate(chron t the point of Manganese(ch Manganese(ch Jranium(chro Femperature M=13 and M	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw. te) = See 32.5(3) for details. onic) = See 32.5(3) for details. = IWAT=9.4 from 11/1-2/29	Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	: (mg/L) acute TVS 0.019 0.005 10 0.05 	126 chronic TVS 0.75 250 0.011 0.11* WS*	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium Silver	TVS TVS 50 TVS TVS TVS TVS TVS	TVS WS 1000 TVS TVS/WS* 0.01 150 TVS 100 TVS 100 TVS
xpiration Dat chlorophyll a le facilities lised collities listed Sulfate(chron t the point of Manganese(ch Manganese(ch Jranium(chro Femperature M=13 and M	ic) = hybrid te of 12/31/2024 (mg/m ²)(chronic) = applies only above sted at 32.5(4). chronic) = applies only above the at 32.5(4). nic) = Dissolved standards applicable withdraw. chronic) = Dissolved standards he point of withdraw. te) = See 32.5(3) for details. onic) = See 32.5(3) for details. = IWAT=9.4 from 11/1-2/29	Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	: (mg/L) acute TVS 0.019 0.005 10 0.05 	126 chronic TVS 0.75 250 0.011 0.11*	Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	TVS TVS 50 TVS TVS TVS	TVS WS 1000 TVS TVS/WS* 0.01 150

D.O. = dissolved oxygen DM = daily maximum MWAT = maximum weekly average temperature See 32.6 for further details on applied standards.