

**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~~ 12/31/2021

Abbreviations and Acronyms

Aq	=	Aquatic
°C	=	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	=	<i>Escherichia coli</i>
EQ	=	existing quality
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
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

Upper Colorado River Basin

1. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Rocky Mountain National Park.							
COUCUC01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.			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---	---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)
2. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Arapahoe National Recreation Area, except for the specific listing in Segment 5.							
COUCUC02	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.			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---	---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)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

3. Mainstem of the Colorado River from the outlet of Lake Granby to below the confluence with the Roaring Fork River.							
COUCUC03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	varies*	varies*	Arsenic	340 ---	
		acute	chronic	Arsenic(T)	---	0.02	
		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---	
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.	pH	6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50 ---	
		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS	
		Inorganic (mg/L)			Copper	TVS TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	Lead	TVS TVS	
		Chloride	---	250	Lead(T)	50 ---	
		Chlorine	0.019	0.011	Manganese	TVS TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	
		Nitrate	10	---	Molybdenum(T)	---	
		Nitrite	0.05---	--0.05	Nickel	TVS TVS	
		Phosphorus	---	0.11*	Nickel(T)	---	
		Sulfate	---	WS	Selenium	TVS TVS	
		Sulfide	---	0.002	Silver	TVS TVS(tr)	
					Uranium	varies* varies*	
					Zinc	TVS TVS/TVS(sc)	

4. All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to above the confluence with the Roaring Fork River, which are on National Forest lands, except for the specific listings in Segments 2, 8, 9 and 10a.							
COUCUC04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340 ---	
		acute	chronic	Arsenic(T)	---	0.02	
		D.O. (mg/L)	---	6.0	Cadmium	TVS TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---	
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50 ---	
		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS	
		Inorganic (mg/L)			Copper	TVS TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	Lead	TVS TVS	
		Chloride	---	250	Lead(T)	50 ---	
		Chlorine	0.019	0.011	Manganese	TVS TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	
		Nitrate	10	---	Molybdenum(T)	---	
		Nitrite	0.05---	--0.05	Nickel	TVS TVS	
		Phosphorus	---	0.11	Nickel(T)	---	
		Sulfate	---	WS	Selenium	TVS TVS	
		Sulfide	---	0.002	Silver	TVS TVS(tr)	
					Uranium	varies* varies*	
					Zinc	TVS TVS/TVS(sc)	

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

5. Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence with the Colorado River.							
COUCUC05	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

6a. All tributaries to the Colorado River, including all wetlands, from the border of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Blue River and Muddy Creek, which are not on National Forest lands, except for the specific listings in Segments 5, 6b, 8 and 10a-c.							
COUCUC06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

6b. Mainstem of un-named tributary to Willow Creek from the headwaters to the confluence with Willow Creek (40.131422, -105.920895).						
COUCUC06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Arsenic	340 ---
Qualifiers:		acute	chronic	Arsenic(T)	---	100
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- --- E.-Co#E. coli (per 100 mL) --- 630	D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- --- E.-Co#E. coli (per 100 mL) --- 630	D.O. (spawning)	---	7.0	Chromium III	TVS TVS
	pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- --- E.-Co#E. coli (per 100 mL) --- 630	pH	6.5 - 9.0	---	Chromium III(T)	---
	chlorophyll a (mg/m ²) --- --- E.-Co#E. coli (per 100 mL) --- 630	chlorophyll a (mg/m ²)	---	---	Chromium VI	TVS TVS
	E.-Co#E. coli (per 100 mL) --- 630	E.-Co#E. coli (per 100 mL)	---	630	Copper	TVS TVS
	Inorganic (mg/L)				Iron(T)	---
	acute	chronic				
	Ammonia	TVS	TVS	Manganese	TVS	TVS
	Boron	---	0.75	Manganese(T)	---	200
	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---	---0.05	Silver	TVS	TVS(tr)
	Phosphorus	---	0.11*	Uranium	varies*	varies*
	Sulfate	---	---	Zinc	TVS	TVS
	Sulfide	---	0.002			
7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c, 7d, 7e and in the Blue River, Eagle River, and Roaring Fork River basins.						
COUCUC07A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	varies*	varies*	Arsenic	340 ---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02
Other:	D.O. (mg/L) --- 6.0 D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- 150 E.-Co#E. coli (per 100 mL) --- 126	D.O. (mg/L)	---	6.0	Cadmium	TVS TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.	D.O. (spawning) --- 7.0 pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- 150 E.-Co#E. coli (per 100 mL) --- 126	D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
	pH 6.5 - 9.0 --- chlorophyll a (mg/m ²) --- 150 E.-Co#E. coli (per 100 mL) --- 126	pH	6.5 - 9.0	---	Chromium III	---
	chlorophyll a (mg/m ²) --- 150 E.-Co#E. coli (per 100 mL) --- 126	chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50 ---
	E.-Co#E. coli (per 100 mL) --- 126	E.-Co#E. coli (per 100 mL)	---	126	Chromium VI	TVS TVS
	Inorganic (mg/L)				Copper	TVS TVS
	acute	chronic				
	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(T)	---	0.01
	Nitrite	0.05---	---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	varies*	varies*
				Zinc	TVS	TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

7b. All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River. Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek, Piney River and Blacktail Creek, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest lands.

COUCUC07B	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		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---	---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)

7c. Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch, except those waters on National Forest lands. All tributaries to Muddy Creek, including all wetlands, from the source to the inlet of Wolford Mountain Reservoir, except those waters on National Forest lands. The mainstems of Derby Creek, Cabin Creek, and Red Dirt Creeks (all tributary to the Colorado River), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except those waters on National Forest lands.

COUCUC07C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N		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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli E. coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (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---	---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)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

7d. Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to above the Highway 40 Bridge in Kremmling (40.060574, -106.398739).							
COUCUC07D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-II	CS-II	acute	chronic		
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Temperature °C	---	6.0	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
		E.-ColiE. coli (per 100 mL)	---	126	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	0.05---	--0.05	Manganese	TVS	TVS/WS
		Phosphorus	---	0.11*	Mercury(T)	---	0.01
		Sulfate	---	WS	Mercury(T)	---	0.01
		Sulfide	---	0.002	Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
			Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

7e. Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.							
COUCUC07E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 1 Recreation E	CS-II	CS-II	acute	chronic		
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Temperature °C	---	6.0	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	---	100
		E.-ColiE. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

8. Mainstem of the Williams Fork River, including all tributaries and wetlands, from the source to the confluence with the Colorado River, except for those tributaries in Segment 9.							
COUCUC08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Temperature °C	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Iron(chronic) = Point of compliance at Aspen Canyon Ranch well. *Manganese(chronic) = Point of compliance at Aspen Canyon Ranch well. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS*
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS*
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	190
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
9. All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.							
COUCUC09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
OW	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Temperature °C	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge (39.933728, -105.789785). All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segments 2 and 9.						
COUCUC10A	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	--- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
Expiration Date of 12/31/2024					Copper	TVS TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	--- WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			acute	chronic	Iron(T)	--- 1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS TVS
*Uranium(chronic) = See 33.5(3) for details.		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	<u>0.05</u> ---	<u>---0.05</u>	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)

10b. Mainstem of the Fraser River from a point immediately below the Rendezvous Bridge (39.933728, -105.789785) to a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481).						
COUCUC10B	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 Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS TVS
Expiration Date of 12/31/2024					Copper	TVS TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	--- WS
*Uranium(chronic) = See 33.5(3) for details.			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	<u>0.05</u> ---	<u>---0.05</u>	Nickel(T)	--- 100
		Phosphorus	---	---	Selenium	TVS TVS
		Sulfate	---	WS	Silver	TVS TVS(tr)
		Sulfide	---	0.002	Uranium	varies* varies*
					Zinc	TVS TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

10c. Mainstem of the Fraser River from a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481) to the confluence with the Colorado River.							
COUCUC10C	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 33.5(3) for details.					acute	chronic	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

11. All lakes and reservoirs tributary to the Colorado River within Rocky Mountain National Park, Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.							
COUCUC11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 33.5(3) for details.					acute	chronic	
*Temperature =		Ammonia	TVS	TVS	Iron(T)	---	1000
DM and MWAT=CL,CLL from 1/1-3/31		Boron	---	0.75	Lead	TVS	TVS
Rim Lake		Chloride	---	250	Lead(T)	50	---
DM=CL and MWAT=16.6 from 4/1-12/31		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
All others		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM and MWAT=CL,CLL from 4/1-12/31		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

12. Lakes and reservoirs within Arapahoe National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.								
COUCUC12	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	varies*	varies* ^B	340	---	---		
Qualifiers:		acute	chronic					
Goal Qualifier Grand Lake Clarity		---	narrative*	---	---	---		
Other:		---	6.0	5.0	---	---		
<p>*Goal Qualifier Grand Lake: 7/1-9/11, Clarity = 3.8 meter average and 2.5 meter minimum Secchi disk depth.</p> <p>*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.</p> <p>*Classification: DUWS Applies only to Grand Lake</p> <p>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.</p> <p>*Uranium(acute) = See 33.5(3) for details.</p> <p>*Uranium(chronic) = See 33.5(3) for details.</p> <p>*clarity(chronic) = For Grand Lake, the highest level of clarity attainable, consistent with the exercise of established water rights, the protection of aquatic life, and protection of water quality throughout the Three Lakes system.</p> <p>*Temperature = See 33.6(4) for temperature standards.</p>		---	7.0	---	---	TVS		
		6.5 - 9.0	---	50	---	---		
		---	8*	TVS	TVS	TVS	TVS	
		---	126	TVS	TVS	TVS	TVS	
		Inorganic (mg/L)			---	WS	---	---
		acute	chronic					
		TVS	TVS	---	1000	TVS	TVS	TVS
		---	0.75	50	---	TVS	TVS/WS	---
		---	250	---	0.01	---	0.01	---
		0.019	0.011	---	---	---	150	---
		0.005	---	TVS	TVS	TVS	TVS	---
		10	---	---	---	TVS	TVS	---
		0.05---	--0.05	---	100	---	---	---
		---	0.025*	TVS	TVS	TVS	TVS	---
		---	WS	TVS	TVS(tr)	TVS	TVS(tr)	---
---	0.002	varies*	varies*	TVS	TVS	---		
---	---	TVS	TVS	---	---	---		
13. All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue River and Eagle River subbasins.								
COUCUC13	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	varies*	varies* ^B	340	---	---		
Qualifiers:		acute	chronic					
Other:		---	6.0	5.0	---	---		
<p>*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.</p> <p>*Classification: *DUWS Applies only to Ute Creek Res</p> <p>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.</p> <p>*Uranium(acute) = See 33.5(3) for details.</p> <p>*Uranium(chronic) = See 33.5(3) for details.</p> <p>*Temperature = See 33.6(4) for temperature standards.</p>		---	7.0	---	---	TVS		
		6.5 - 9.0	---	50	---	---	---	
		---	8*	TVS	TVS	TVS	TVS	TVS
		---	126	TVS	TVS	TVS	TVS	TVS
		Inorganic (mg/L)			---	WS	---	---
		acute	chronic					
		TVS	TVS	---	1000	TVS	TVS	TVS
		---	0.75	50	---	TVS	TVS/WS	---
		---	250	---	0.01	---	0.01	---
		0.019	0.011	---	---	---	150	---
		0.005	---	TVS	TVS	TVS	TVS	---
		10	---	---	---	TVS	TVS	---
		0.05---	--0.05	---	100	---	---	---
		---	0.025*	TVS	TVS	TVS	TVS	---
		---	WS	TVS	TVS(tr)	TVS	TVS(tr)	---
---	0.002	varies*	varies*	TVS	TVS	---		
---	---	TVS	TVS	---	---	---		

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

1. Mainstem of the Blue River from the source to above the confluence with French Gulch.							
COUCBL01	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		E.-ColiE. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

2a. Mainstem of the Blue River from above the confluence with French Gulch to a point one half mile below Coyne Valley Road (39.523189, -106.050805).							
COUCBL02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	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	4	4
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Temporary Modification(s):		E.-ColiE. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			acute	chronic	Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Manganese	TVS	TVS/WS
*Zinc(acute) = e^(1.25 (ln(hard)+0.799))		Chloride	---	250	Mercury(T)	---	0.01
*Zinc(chronic) = e^(1.25 (ln(hard)+0.799))		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	SSE*	SSE*

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

2b. Mainstem of the Blue River from a point one half mile below Coyne Valley Road (39.523189, -106.050805) to above the confluence with the Swan River.							
COUCBL02B	Classifications	Physical and Biological			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	SSE*	SSE*
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
*Cadmium(acute) = $1/2e^{(1.0166(\ln(\text{hard})-3.132))}$		Ammonia	TVS	TVS	Lead(T)	50	---
*Cadmium(chronic) = $1/2e^{(1.0166(\ln(\text{hard})-3.132))}$		Boron	---	0.75	Manganese	TVS	TVS/WS
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Mercury(T)	---	0.01
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Molybdenum(T)	---	150
*Zinc(acute) = $e^{(0.9805(\ln(\text{hard})+1.402))}$		Cyanide	0.005	---	Nickel	TVS	TVS
*Zinc(chronic) = $e^{(0.9805(\ln(\text{hard})+1.402))}$		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	SSE*	SSE*

2c. Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.							
COUCBL02C	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

3. Deleted.							
COUCBL03	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				
4a. All direct tributaries, including wetlands, to Dillon Reservoir and all tributaries, including wetlands, to the Blue River above Dillon Reservoir, except for specific listings in Segments 1, 2a, 2b, 2c, 4b, 6a, 10-14 and 16.							
COUCBL04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		acute	chronic		Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

4b. North Fork of the Swan River, including all tributaries and wetlands, from the source to the confluence with the Swan River.

COUCBL04B	Classifications	Physical and Biological			Metals (ug/L)		
			DM	MWAT		acute	chronic
Designation	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Qualifiers:	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

5. Deleted.

COUCBL05	Classifications	Physical and Biological			Metals (ug/L)		
			DM	MWAT		acute	chronic
Designation							
			acute	chronic			
Qualifiers:							
Other:							

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

6a. Mainstem of the Snake River, including all tributaries and wetlands, from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8 and 9.							
COUCBL06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
					acute	chronic	
UP	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
Qualifiers:		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	---
Arsenic(chronic) = hybrid		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).						acute	chronic
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

6b. Mainstem of Camp Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River.							
COUCBL06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT			
					acute	chronic	
Reviewable	Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
Qualifiers:		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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Zinc(acute) = 0.978*e^0.8537(In Hardness)+1.5227		Inorganic (mg/L)			Copper	TVS	TVS
*Zinc(chronic) = 0.986*e^0.8537(In Hardness)+1.3519					Iron	---	WS
						acute	chronic
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

7. Mainstem of Peru Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River, except for specific listings in Segment 8.							
COUCBL07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 1	DM	MWAT	acute	chronic		
UP	Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Copper	TVS	TVS
		E.-Coli E. coli (per 100 mL)	---	126	Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	---	Molybdenum(T)	---	---
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	---	---	Uranium	varies*	varies*
		Nitrite	0.05---	---0.05	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			
8. Mainstem of Keystone Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Chihuahua Creek, including all tributaries and wetlands, from the source to the confluence with Peru Creek. Mainstem of the North Fork Snake River, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Jones Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River.							
COUCBL08	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Ammonia	TVS	TVS	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Boron	---	0.75	Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

9. Mainstem of Deer Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River.						
COUCBL09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
*Uranium(acute) = See 33.5(3) for details.		E-ColiE.coli (per 100 mL)	---	126	Chromium VI	TVS
*Uranium(chronic) = See 33.5(3) for details.					Copper	TVS
		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
10. Mainstem of French Gulch, including all tributaries and wetlands, from the source to a point 1.5 miles below Lincoln (39.484661, -105.995074).						
COUCBL10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340
			acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
*Uranium(acute) = See 33.5(3) for details.		E-ColiE.coli (per 100 mL)	---	126	Chromium VI	TVS
*Uranium(chronic) = See 33.5(3) for details.					Copper	TVS
		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05---	---0.05	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

11. Mainstem of French Gulch from a point 1.5 miles below Lincoln (39.484661, -105.995074) to the confluence with the Blue River.						
COUCBL11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340 ---
	Recreation P		acute	chronic	Arsenic(T)	--- 7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	EQ* EQ*
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS TVS
*Cadmium(acute) = existing quality *Cadmium(chronic) = existing quality *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Zinc(acute) = existing quality *Zinc(chronic) = existing quality		pH	6.5 - 9.0	---	Chromium III(T)	--- 100
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS TVS
		E-Coli E. coli (per 100 mL)	---	205	Copper	TVS TVS
		Inorganic (mg/L)			Iron(T)	--- 1000
			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(tr)
		Nitrite	0.05 ---	--- 0.05	Uranium	varies* varies*
		Phosphorus	---	0.11	Zinc	EQ* EQ*
		Sulfate	---	---		
		Sulfide	---	0.002		
12. Mainstem of Illinois Gulch and Fredonia Gulch from their sources to their confluences with the Blue River.						
COUCBL12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340 ---
	Recreation P		acute	chronic	Arsenic(T)	--- 0.02-10 ^A
	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
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50 ---
		E-Coli E. coli (per 100 mL)	---	205	Chromium VI	TVS TVS
		Inorganic (mg/L)			Copper	TVS TVS
			acute	chronic	Iron	--- WS
		Ammonia	TVS	TVS	Iron(T)	--- 1000
		Boron	---	0.75	Lead	TVS TVS
		Chloride	---	250	Lead(T)	50 ---
		Chlorine	0.019	0.011	Manganese	TVS TVSWS
		Cyanide	0.005	---	Mercury(T)	--- 0.01
		Nitrate	10	---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS TVS
		Phosphorus	---	0.11	Nickel(T)	--- 100
		Sulfate	---	WS	Selenium	TVS TVS
		Sulfide	---	0.002	Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

13. Mainstem of Tenmile Creek from the Climax Parshall Flume (39.447556, -106.157003) to a point immediately above the confluence of West Tenmile Creek and all tributaries and wetlands from the source of Tenmile Creek to a point immediately above the confluence with West Tenmile Creek, except for the specific listing in Segment 15.

COUCBL13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation P	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	7.6
Other: *Any water quality based effluent limit shall not cause or contribute to exceedances of water quality standards adopted to protect downstream uses. *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
	pH	6.5 - 9.0	---	Chromium III(T)	---	100	
	chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS	TVS	
	E. Coli E. coli (per 100 mL)	---	205	Copper	TVS	TVS	
	Inorganic (mg/L)			Iron(T)	---	1000	
		acute	chronic	Lead	TVS	TVS	
	Ammonia	TVS	TVS	Manganese	TVS	TVS	
	Boron	---	0.75	Mercury(T)	---	0.01	
	Chloride	---	---	Molybdenum(T)	---	---	
	Chlorine	0.019	0.011	Nickel	TVS	TVS	
	Cyanide	0.005	---	Selenium	TVS	TVS	
	Nitrate	100	---	Silver	TVS	TVS(tr)	
	Nitrite	0.05---	--0.05	Uranium	varies*	varies*	
	Phosphorus	---	0.11*	Zinc	TVS	TVS/TVS(sc)	
Sulfate	---	---					
Sulfide	---	0.002					

14. Mainstem of Tenmile Creek, including all tributaries and wetlands, from a point immediately above the confluence with West Tenmile Creek to Dillon Reservoir, except for the specific listings in Segment 16.

COUCBL14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 Molybdenum(chronic) = current conditions* Expiration Date of 6/30/2023 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Molybdenum = Adopted 6/9/2014	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
	pH	6.5 - 9.0	---	Chromium III	---	TVS	
	chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---	
	E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
	Inorganic (mg/L)			Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	250	Lead(T)	50	---	
	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
	Cyanide	0.005	---	Mercury(T)	---	0.01	
	Nitrate	10	---	Molybdenum(T)	---	210	
	Nitrite	0.05---	--0.05	Nickel	TVS	TVS	
	Phosphorus	---	0.11*	Nickel(T)	---	100	
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

15. Mainstem of Clinton Creek from the source to the confluence with Tenmile Creek.							
COUCBL15	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Copper	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Iron	---	WS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
	Ammonia	TVS	TVS	Lead(T)	50	---	
	Boron	---	0.75	Manganese	TVS	TVS/WS	
	Chloride	---	250	Mercury(T)	---	0.01	
	Chlorine	0.019	0.011	Molybdenum(T)	---	210	
	Cyanide	0.005	---	Nickel	TVS	TVS	
	Nitrate	10	---	Nickel(T)	---	100	
	Nitrite	0.05---	---0.05	Selenium	TVS	TVS	
	Phosphorus	---	0.11	Silver	TVS	TVS(tr)	
	Sulfate	---	WS	Uranium	varies*	varies*	
	Sulfide	---	0.002	Zinc	TVS	TVS	

16. All tributaries to the Blue River, including all wetlands, within the Eagles Nest and Ptarmigan Peak Wilderness Areas.							
COUCBL16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		<u>E.-Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Copper	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Iron	---	WS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
	Ammonia	TVS	TVS	Lead(T)	50	---	
	Boron	---	0.75	Manganese	TVS	TVS/WS	
	Chloride	---	250	Mercury(T)	---	0.01	
	Chlorine	0.019	0.011	Molybdenum(T)	---	150	
	Cyanide	0.005	---	Nickel	TVS	TVS	
	Nitrate	10	---	Nickel(T)	---	100	
	Nitrite	0.05---	---0.05	Selenium	TVS	TVS	
	Phosphorus	---	0.11	Silver	TVS	TVS(tr)	
	Sulfate	---	WS	Uranium	varies*	varies*	
	Sulfide	---	0.002	Zinc	TVS	TVS	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

17. Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.							
COUCBL17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	6.0	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		
18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listings in Segment 16.							
COUCBL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	6.0	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

19. All tributaries to the Blue River, including all wetlands, from the outlet of Green Mountain Reservoir to the confluence with the Colorado River, except for specific listings in Segment 20.						
COUCBL19	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute chronic
Reviewable	Aq Life Cold 1 Recreation N Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340 ---
			acute	chronic	Arsenic(T)	--- 0.02
		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/m ²)	---	---	Chromium III(T)	50 ---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS TVS
					Copper	TVS TVS
					Iron	--- WS
					Iron(T)	--- 1000
					Lead	TVS TVS
		Ammonia	TVS	TVS	Lead(T)	50 ---
		Boron	---	0.75	Manganese	TVS TVS/WS
		Chloride	---	250	Mercury(T)	--- 0.01
		Chlorine	0.019	0.011	Molybdenum(T)	--- 150
		Cyanide	0.005	---	Nickel	TVS TVS
		Nitrate	10	---	Nickel(T)	--- 100
		Nitrite	0.05---	---0.05	Selenium	TVS TVS
		Phosphorus	---	0.11	Silver	TVS TVS(tr)
		Sulfate	---	WS	Uranium	varies* varies*
		Sulfide	---	0.002	Zinc	TVS TVS
*Uranium(acute) = See 33.5(3) for details.						
*Uranium(chronic) = See 33.5(3) for details.						

20. Mainstems of Elliot Creek and Spruce Creek, including all tributaries and wetlands, from their sources to the confluence with the Blue River.						
COUCBL20	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute chronic
Reviewable	Aq Life Cold 1 Recreation N Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340 ---
			acute	chronic	Arsenic(T)	--- 0.02
		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/m ²)	---	---	Chromium III(T)	50 ---
		<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS TVS
					Copper	TVS TVS
					Iron	--- WS
					Iron(T)	--- 1000
					Lead	TVS TVS
		Ammonia	TVS	TVS	Lead(T)	50 ---
		Boron	---	0.75	Manganese	TVS TVS/WS
		Chloride	---	250	Mercury(T)	--- 0.01
		Chlorine	0.019	0.011	Molybdenum(T)	--- 150
		Cyanide	0.005	---	Nickel	TVS TVS
		Nitrate	10	---	Nickel(T)	--- 100
		Nitrite	0.05---	---0.05	Selenium	TVS TVS
		Phosphorus	---	0.11	Silver	TVS TVS(tr)
		Sulfate	---	WS	Uranium	varies* varies*
		Sulfide	---	0.002	Zinc	TVS TVS
*Uranium(acute) = See 33.5(3) for details.						
*Uranium(chronic) = See 33.5(3) for details.						

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

21. All lakes and reservoirs tributary to the Blue River within the Eagles Nest and Ptarmigan Peak Wilderness Areas.							
COUCBL21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute chronic			
OW		CL,CLL	CL,CLL	arsenic	340	---	
Qualifiers:		Temperature °C	---	6.0	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E.-ColiE. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
		Uranium	varies*	varies*	Uranium	varies*	varies*
		Zinc	TVS	TVS	Zinc	TVS	TVS

22. Dillon Reservoir and all lakes and reservoirs tributary to the Blue River above Dillon Reservoir, except for specific listings in Segment 21.							
COUCBL22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply DUWS*	DM	MWAT	acute chronic			
Reviewable		CL,CLL	CL,CLL	arsenic	340	---	
Qualifiers:		Temperature °C	---	6.0	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Goose Pasture Tarn *Phosphorus(chronic) = 0.0074 mg/l for Dillon Reservoir in the top 15 meters of the water column for the months of July, August, September & October. Additional total phosphorus or Chla standards adopted for this segment do not apply to Dillon Reservoir. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E.-ColiE. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.0074*	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
		Zinc	TVS	TVS	Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

23. All lakes and reservoirs tributary to the Blue River below Dillon Reservoir, except for specific listings in Segment 21.						
COUCBL23	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Reviewable	Agriculture					
	Aq Life Cold 1	varies*	varies*	Temperature °C	Arsenic	340 ---
	Recreation E	acute	chronic		Arsenic(T)	--- 0.02
	Water Supply			D.O. (mg/L)	Cadmium	TVS TVS
Qualifiers:				D.O. (spawning)	Cadmium(T)	5.0 ---
Other:				pH	Chromium III	--- TVS
				chlorophyll a (ug/L)	Chromium III(T)	50 ---
				E. Coli E. coli (per 100 mL)	Chromium VI	TVS TVS
					Copper	TVS TVS
					Iron	--- WS
					Iron(T)	--- 1000
					Lead	TVS TVS
					Lead(T)	50 ---
					Manganese	TVS TVS/WS
					Mercury(T)	--- 0.01
					Molybdenum(T)	--- 150
					Nickel	TVS TVS
					Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
 *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
 *Uranium(acute) = See 33.5(3) for details.
 *Uranium(chronic) = See 33.5(3) for details.
 *Temperature =
 DM and MWAT=CL/CLL from 1/1-3/31
 Green Mountain Reservoir
 DM=22.4 and MWAT=16.6 from 4/1-12/31
 All others
 DM and MWAT=CL/CLL from 4/1-12/31

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

1. All tributaries to the Eagle River, including all wetlands, within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas.							
COUCEA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW*	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Designation: Consistent with the provisions of section 25-8-104 C.R.S. the OW designation shall not apply with respect to the Homestake Water Project of the Cities of Aurora and Colorado Springs. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute			chronic		
		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(T)	---	0.01
		Nitrite	0.05---	--0.05	Mercury(T)	---	0.01
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

2. Mainstem of the Eagle River from the source to above the compressor house bridge at Belden (39.526879, -106.394950).							
COUCEA02	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute			chronic		
		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(T)	---	0.01
		Nitrite	0.05---	--0.05	Mercury(T)	---	0.01
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

3. All tributaries to the Eagle River, including wetlands, from the source to above the compressor house bridge at Belden (39.526879, -106.394950), except for the specific listings in Segments 1 and 4.

COUCEA03	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		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 ---	--- 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)

4. Mainstem of Homestake Creek from the confluence of the East Fork to the confluence with the Eagle River.

COUCEA04	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		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 ---	--- 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)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

5a. Mainstem of the Eagle River from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691).

COUCEA05A Classifications		Physical and Biological			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	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	---	SSE*
			acute	chronic	Copper	SSE*	---
		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(T)	---	0.01
		Nitrite	0.05 ---	--- 0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

5b. Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691) to a point immediately above the confluence with Martin Creek.

COUCEA05B Classifications		Physical and Biological			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	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	---	SSE*
			acute	chronic	Copper	SSE*	---
		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(T)	---	0.01
		Nitrite	0.05 ---	--- 0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

5c. Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.									
COUCEA05C	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT						
Reviewable*	Aq Life Cold 1	CS-I	CS-I	acute	chronic	Arsenic	340	---	
	Recreation E				Arsenic(T)	---	0.02		
	Water Supply	acute	chronic	D.O. (mg/L)	---	6.0	Cadmium	TVS	SSE*
Qualifiers:		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)	---	---	Chromium III(T)	50	---		
Arsenic(chronic) = hybrid		<u>E.-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
Expiration Date of 12/31/2024		Inorganic (mg/L)			Copper	---	SSE*		
Designation: 9/30/00 Baseline does not apply					Copper	SSE	---		
Cadmium(chronic) = (1.101672-[ln(hardness)(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)		acute	chronic	Iron	---	WS			
*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865		Ammonia	TVS	TVS	Iron(T)	---	1000		
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845		Boron	---	0.75	Lead	TVS	TVS		
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Lead(T)	50	---		
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS		
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+1.4189		Cyanide	0.005	---	Mercury(T)	---	0.01		
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.2481		Nitrate	10	---	Molybdenum(T)	---	150		
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS		
		Phosphorus	---	---	Nickel(T)	---	100		
		Sulfate	---	WS	Selenium	TVS	TVS		
		Sulfide	---	0.002	Silver	TVS	TVS(tr)		
					Uranium	varies*	varies*		
					Zinc	---	SSE*		
					Zinc	SSE*	---		
6. All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.									
COUCEA06	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT						
Reviewable	Aq Life Cold 1	CS-I	CS-I	acute	chronic	Arsenic	340	---	
	Recreation E				Arsenic(T)	---	0.02		
	Water Supply	acute	chronic	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 Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---		
Arsenic(chronic) = hybrid		<u>E.-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
Expiration Date of 12/31/2024		Inorganic (mg/L)			Copper	TVS	TVS		
*Uranium(acute) = See 33.5(3) for details.					Iron	---	WS		
*Uranium(chronic) = See 33.5(3) for details.		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---	---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)		

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

7a. Mainstem of Cross Creek from the source to below the Minturn Water Facility (39.565419, -106.417032), except for the specific listings in Segment 1.						
COUCEA07A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT			
Reviewable	Aq Life Cold 1 Recreation E Water Supply	acute	chronic	acute	chronic	
Qualifiers:	D.O. (mg/L)	---	6.0	Arsenic	340	---
Other:	D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02
*Uranium(acute) = See 33.5(3) for details.	pH	6.5 - 9.0	---	Cadmium	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.	chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
	<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---	TVS
	Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron	---	WS
	Chloride	---	250	Iron(T)	---	1000
	Chlorine	0.019	0.011	Lead	TVS	TVS
	Cyanide	0.005	---	Lead(T)	50	---
	Nitrate	10	---	Manganese	TVS	TVS/WS
	Nitrite	0.05---	---0.05	Mercury(T)	---	0.01
	Phosphorus	---	0.11	Molybdenum(T)	---	150
	Sulfate	---	WS	Nickel	TVS	TVS
	Sulfide	---	0.002	Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS/TVS(sc)

7b. Mainstem of Cross Creek from below the Minturn Water Facility (39.565419, -106.417032) to the confluence with the Eagle River.						
COUCEA07B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT			
Reviewable*	Aq Life Cold 1 Recreation E Water Supply	acute	chronic	acute	chronic	
Qualifiers:	D.O. (mg/L)	---	6.0	Arsenic	340	---
Other:	D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02
Designation: 9/30/00 Baseline does not apply	pH	6.5 - 9.0	---	Cadmium	TVS	SSE
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])* e^(0.7998 [ln(hardness)]-3.1725)	chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865	<u>E. Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium III	---	TVS
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845	Inorganic (mg/L)			Chromium III(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		acute	chronic	Chromium VI	TVS	TVS
Uranium(chronic) = See 33.5(3) for details.	Ammonia	TVS	TVS	Copper	---	SSE
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302 from 1/1 - 4/30	Boron	---	0.75	Copper	SSE*	---
0.978*e^0.8537[ln(hardness)]+1.4189 from 5/1 - 12/31	Chloride	---	250	Iron	---	WS
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593 from 1/1 - 4/30	Chlorine	0.019	0.011	Iron(T)	---	1000
0.986*e^0.8537[ln(hardness)]+1.2481 from 5/1 - 12/31	Cyanide	0.005	---	Lead	TVS	TVS
	Nitrate	10	---	Lead(T)	50	---
	Nitrite	0.05---	---0.05	Manganese	TVS	TVS/WS
	Phosphorus	---	0.11	Mercury(T)	---	0.01
	Sulfate	---	WS	Molybdenum(T)	---	150
	Sulfide	---	0.002	Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	---	SSE*
				Zinc	SSE*	---

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

8. Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.							
COUCEA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-I*	varies*	Arsenic	340	---
Qualifiers:	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = MWAT= 14 from 6/1 - 6/30 MWAT=CS-I from 7/1 - 9/30 MWAT=12 from 10/1 - 10/15 MWAT=CS-I from 10/16 - 5/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		Ammonia	acute	chronic	Iron	---	WS
		---	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

9a. Mainstem of the Eagle River from above Gore Creek to a point immediately below the confluence with Squaw Creek.							
COUCEA09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		Temperature °C	CS-I*	varies*	Arsenic	340	---
Qualifiers:	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = MWAT=16 from 6/1 - 6/30 MWAT=CS-I from 7/1 - 9/30 MWAT=12 from 10/1 - 10/15 MWAT=11 from 10/16 - 10/31 MWAT=CS-I from 11/1 - 5/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		Ammonia	acute	chronic	Iron	---	WS
		---	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
Sulfate	---	WS	Selenium	TVS	TVS		
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

9b. Mainstem of the Eagle River from a point immediately below the confluence with Squaw Creek to a point immediately below the confluence with Rube Creek.							
COUCEA09B	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Lead	TVS	TVS
*Temperature =		Ammonia	TVS	TVS	Lead(T)	50	---
DM=15 and MWAT=12 from 4/1 - 5/31		Boron	---	0.75	Manganese	TVS	TVS/WS
DM=CS-II and MWAT=CS-II from 6/1 - 9/30		Chloride	---	250	Mercury(T)	---	0.01
DM=15 and MWAT=12 from 10/1 - 10/15		Chlorine	0.019	0.011	Molybdenum(T)	---	150
DM=15 and MWAT=11 from 10/16 - 10/31		Cyanide	0.005	---	Nickel	TVS	TVS
DM=CS-II and MWAT=CS-II from 11/1-3/31		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.							
COUCEA09C	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	---	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.							
COUCEA10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	acute	chronic
Reviewable			CS-I	CS-I	---	---	340
		acute	chronic	Temperature °C	Arsenic(T)	---	0.02
		---	6.0	D.O. (mg/L)	Cadmium	TVS	TVS
		---	7.0	D.O. (spawning)	Cadmium(T)	5.0	---
		6.5 - 9.0	---	pH	Chromium III	---	TVS
		---	150	chlorophyll a (mg/m ²)	Chromium III(T)	50	---
		---	126	E. Coli E. coli (per 100 mL)	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	Iron(T)	---	WS
		TVS	TVS	Ammonia	Lead	TVS	TVS
		---	0.75	Boron	Lead(T)	50	---
		---	250	Chloride	Manganese	TVS	TVS/WS
		0.019	0.011	Chlorine	Mercury(T)	---	0.01
		0.005	---	Cyanide	Molybdenum(T)	---	150
		10	---	Nitrate	Nickel	TVS	TVS
		0.05---	--0.05	Nitrite	Nickel(T)	---	100
		---	0.11	Phosphorus	Selenium	TVS	TVS
		---	WS	Sulfate	Silver	TVS	TVS(tr)
		---	0.002	Sulfide	Uranium	varies*	varies*
					Zinc	TVS	TVS

*Uranium(acute) = See 33.5(3) for details.
*Uranium(chronic) = See 33.5(3) for details.

10b. Abrams Creek, including all tributaries and wetlands, from the source to the eastern boundary of the United States Bureau of Land Management lands.

COUCEA10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	acute	chronic
OW			CS-I	CS-I	---	---	340
		acute	chronic	Temperature °C	Arsenic(T)	---	0.02
		---	6.0	D.O. (mg/L)	Cadmium	TVS	TVS
		---	7.0	D.O. (spawning)	Cadmium(T)	5.0	---
		6.5 - 9.0	---	pH	Chromium III	---	TVS
		---	150	chlorophyll a (mg/m ²)	Chromium III(T)	50	---
		---	126	E. Coli E. coli (per 100 mL)	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	Iron(T)	---	WS
		TVS	TVS	Ammonia	Lead	TVS	TVS
		---	0.75	Boron	Lead(T)	50	---
		---	250	Chloride	Manganese	TVS	TVS/WS
		0.019	0.011	Chlorine	Mercury(T)	---	0.01
		0.005	---	Cyanide	Molybdenum(T)	---	150
		10	---	Nitrate	Nickel	TVS	TVS
		0.05---	--0.05	Nitrite	Nickel(T)	---	100
		---	0.11	Phosphorus	Selenium	TVS	TVS
		---	WS	Sulfate	Silver	TVS	TVS(tr)
		---	0.002	Sulfide	Uranium	varies*	varies*
					Zinc	TVS	TVS

*Uranium(acute) = See 33.5(3) for details.
*Uranium(chronic) = See 33.5(3) for details.

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

11. Mainstem of Alkali Creek (near Wolcott) from the source to the confluence with the Eagle River. Mainstem of Milk Creek from the source to the confluence with the Eagle River.							
COUCEA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium(T)	---	100
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100
		<u>E. Coli</u> (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Manganese(T)	---	200
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

12. Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks, except for those tributaries included in Segment 1.							
COUCEA12	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

13. All lakes and reservoirs tributary to the Eagle River within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas.							
COUCEA13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
				Zinc	TVS	TVS	

14. All lakes and reservoirs tributary to the Eagle River except for specific listings in Segment 13.							
COUCEA14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
				Zinc	TVS	TVS	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

1. All tributaries to the Roaring Fork River, including all wetlands, within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.							
COUCRF01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
OW	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
	*Uranium(acute) = See 33.5(3) for details.	chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
	*Uranium(chronic) = See 33.5(3) for details.	E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (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 ---	--- 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
2. Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.							
COUCRF02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
	Temporary Modification(s):	chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
	Arsenic(chronic) = hybrid	E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
	Expiration Date of 12/31/2024				Copper	TVS	TVS
	*Uranium(acute) = See 33.5(3) for details.				Inorganic (mg/L)		
	*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

3a. Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Frypan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b.

COUCRF03A	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).					Inorganic (mg/L)		
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).					acute	chronic	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		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(T)	---	0.01
		Nitrite	0.05---	---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	varies*	varies*
					Zinc	TVS	TVS

3b. Mainstem of Red Canyon, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for Landis Creek from the source to the Hopkins Ditch (39.522138, -107.223479).

COUCRF03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 ^A
	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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (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---	---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

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

3c. Mainstem of the Roaring Fork River from a point immediately below the confluence with the Frypanpan River to the confluence with the Colorado River.							
COUCRF03C	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 Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature = See 33.6(4) for temperature standards.		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 ---	--- 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

3d. Mainstem of Cattle Creek, including all tributaries and wetlands, from the source to the most downstream White River National Forest boundary.							
COUCRF03D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E-Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (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 ---	--- 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

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

4. Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.							
COUCRF04	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Temporary Modification(s):		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).					Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).					Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5. Mainstem of the Fryingpan River from the source to the confluence with the North Fork Fryingpan River, except for the portion included in Segment 1.							
COUCRF05	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		E-Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

6. Mainstem of the Fryingpan River from the confluence with the North Fork Fryingpan River to the confluence with the Roaring Fork River.						
COUCRF06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Temperature °C	Arsenic	340 ---
Qualifiers:		acute	chronic	D.O. (mg/L)	Arsenic(T)	--- 0.02
Other:		D.O. (spawning)	6.5 - 9.0	---	Cadmium	TVS TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	---	150	Cadmium(T)	5.0 ---
		chlorophyll a (mg/m ²)	---	126	Chromium III	--- TVS
		E-Coli E. coli (per 100 mL)	---	---	Chromium III(T)	50 ---
		Inorganic (mg/L)			Chromium VI	TVS TVS
		acute	chronic	Copper	TVS TVS	TVS
		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(T)	--- 0.01
		Nitrite	0.05---	--0.05	Mercury(T)	--- 0.01
		Phosphorus	---	0.11	Molybdenum(T)	--- 150
		Sulfate	---	WS	Nickel	TVS TVS
		Sulfide	---	0.002	Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS/TVS(sc)
7. All tributaries to the Fryingpan River, including all wetlands, from the source to the confluence with the Roaring Fork River, except for those tributaries included in Segment 1.						
COUCRF07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Temperature °C	Arsenic	340 ---
Qualifiers:		acute	chronic	D.O. (mg/L)	Arsenic(T)	--- 0.02
Other:		D.O. (spawning)	6.5 - 9.0	---	Cadmium	TVS TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	---	150	Cadmium(T)	5.0 ---
		chlorophyll a (mg/m ²)	---	126	Chromium III	--- TVS
		E-Coli E. coli (per 100 mL)	---	---	Chromium III(T)	50 ---
		Inorganic (mg/L)			Chromium VI	TVS TVS
		acute	chronic	Copper	TVS TVS	TVS
		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(T)	--- 0.01
		Nitrite	0.05---	--0.05	Mercury(T)	--- 0.01
		Phosphorus	---	0.11	Molybdenum(T)	--- 150
		Sulfate	---	WS	Nickel	TVS TVS
		Sulfide	---	0.002	Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS/TVS(sc)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

8. Mainstem of the Crystal River, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for the specific listings in Segments 1, 9, 10a and 10b.						
COUCRF08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	
Reviewable		acute	chronic	arsenic	cadmium	
		Temperature °C	CS-I	CS-I	Arsenic	340 ---
		D.O. (mg/L)	---	6.0	Arsenic(T)	--- 0.02
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III	--- TVS
Arsenic(chronic) = hybrid		<u>E. Coli</u> (per 100 mL)	---	126	Chromium III(T)	50 ---
Expiration Date of 12/31/2024					Chromium VI	TVS TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).					Copper	TVS TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).					Iron	--- WS
*Uranium(acute) = See 33.5(3) for details.					Iron(T)	--- 1000
*Uranium(chronic) = See 33.5(3) for details.					Lead	TVS TVS
					Lead(T)	50 ---
					Manganese	TVS TVS/WS
					Mercury(T)	--- 0.01
					Molybdenum(T)	--- 150
					Nickel	TVS TVS
					Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

9. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River.						
COUCRF09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic	
Reviewable		acute	chronic	arsenic	cadmium	
		Temperature °C	CS-I	CS-I	Arsenic	340 ---
		D.O. (mg/L)	---	6.0	Arsenic(T)	--- 0.02
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III	--- TVS
Arsenic(chronic) = hybrid		<u>E. Coli</u> (per 100 mL)	---	126	Chromium III(T)	50 ---
Expiration Date of 12/31/2024					Chromium VI	TVS TVS
*Uranium(acute) = See 33.5(3) for details.					Copper	TVS TVS
*Uranium(chronic) = See 33.5(3) for details.					Iron	--- WS
					Iron(T)	--- 1000
					Lead	TVS TVS
					Lead(T)	50 ---
					Manganese	TVS TVS/WS
					Mercury(T)	--- 0.01
					Molybdenum(T)	--- 150
					Nickel	TVS TVS
					Nickel(T)	--- 100
					Selenium	TVS TVS
					Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

10a. Mainstem of Thompson Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River, except for specific listings in Segment 10b.							
COUCRF10A	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0-05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

10b. Mainstem of North Thompson Creek, including all tributaries and wetlands, from the source to the White River National Forest boundary. Mainstem of Middle Thompson Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with the South Branch of Middle Thompson Creek.							
COUCRF10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0-05---	---0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

11. All lakes and reservoirs tributary to the Roaring Fork River within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.						
COUCRF11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	varies*	varies*	340	---	---
	Recreation E	acute	chronic	---	0.02	---
Water Supply	Water Supply	---	6.0	TVS	TVS	---
	D.O. (mg/L)	---	6.0	TVS	TVS	---
Qualifiers:		---	7.0	5.0	---	---
Other:		6.5 - 9.0	---	---	TVS	---
pH		---	8*	50	---	---
chlorophyll a (ug/L)		---	126	TVS	TVS	---
E.-ColiE. coli (per 100 mL)		---	---	TVS	TVS	---
Inorganic (mg/L)		acute	chronic	---	WS	---
Ammonia		TVS	TVS	---	1000	---
Boron		---	0.75	TVS	TVS	---
Chloride		---	250	50	---	---
Chlorine		0.019	0.011	TVS	TVS/WS	---
Cyanide		0.005	---	---	0.01	---
Nitrate		10	---	---	150	---
Nitrite		0.05---	---0.05	TVS	TVS	---
Phosphorus		---	0.025*	---	100	---
Sulfate		---	WS	TVS	TVS	---
Sulfide		---	0.002	TVS	TVS(tr)	---
Uranium		varies*	varies*	varies*	varies*	---
Zinc		TVS	TVS	TVS	TVS	---

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Uranium(acute) = See 33.5(3) for details.
 *Uranium(chronic) = See 33.5(3) for details.
 *Temperature =
 DM and MWAT=CL,CLL from 1/1-3/31
 Savage Lake, Ivanhoe Lake
 DM=CL and MWAT=16.6 from 4/1-12/31
 All others
 DM and MWAT=CL,CLL from 4/1-12/31

12. All lakes and reservoirs tributary to the Roaring Fork River, except for the specific listings in Segment 11.						
COUCRF12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	varies*	varies* B	340	---	---
	Recreation E	acute	chronic	---	0.02	---
Water Supply	Water Supply	---	6.0	TVS	TVS	---
	DUWS*	---	7.0	5.0	---	---
Qualifiers:		6.5 - 9.0	---	---	TVS	---
Other:		---	8*	50	---	---
chlorophyll a (ug/L)		---	126	TVS	TVS	---
E.-ColiE. coli (per 100 mL)		---	---	TVS	TVS	---
Inorganic (mg/L)		acute	chronic	---	WS	---
Ammonia		TVS	TVS	---	1000	---
Boron		---	0.75	TVS	TVS	---
Chloride		---	250	50	---	---
Chlorine		0.019	0.011	TVS	TVS/WS	---
Cyanide		0.005	---	---	0.01	---
Nitrate		10	---	---	150	---
Nitrite		0.05---	---0.05	TVS	TVS	---
Phosphorus		---	0.025*	---	100	---
Sulfate		---	WS	TVS	TVS	---
Sulfide		---	0.002	TVS	TVS(tr)	---
Uranium		varies*	varies*	varies*	varies*	---
Zinc		TVS	TVS	TVS	TVS	---

Temporary Modification(s):
 Arsenic(chronic) = hybrid
 Expiration Date of 12/31/2024
 *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Classification: DUWS Applies only to Leonard Thomas Res and Wildcat Res
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Uranium(acute) = See 33.5(3) for details.
 *Uranium(chronic) = See 33.5(3) for details.
 *Temperature =
 DM and MWAT=CL,CLL from 1/1-3/31
 Ruedi Reservoir
 DM=22.4 and MWAT=20.3 from 4/1-12/31
 All others
 DM and MWAT=CL,CLL from 4/1-12/31

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS North Platte River Basin

1. All tributaries to the North Platte and Encampment Rivers, including all wetlands, within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.								
COUCNP01	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
OW	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---	
		<u>E.-Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)				Copper	TVS	TVS
				acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS		Iron(T)	---	1000
		Boron	---	0.75		Lead	TVS	TVS
		Chloride	---	250		Lead(T)	50	---
		Chlorine	0.019	0.011		Manganese	TVS	TVS/WS
		Cyanide	0.005	---		Mercury(T)	---	0.01
		Nitrate	10	---		Molybdenum(T)	---	150
		Nitrite	<u>0.05</u>	<u>---</u>	<u>0.05</u>	Nickel	TVS	TVS
		Phosphorus	---	0.11		Nickel(T)	---	100
		Sulfate	---	WS		Selenium	TVS	TVS
		Sulfide	---	0.002		Silver	TVS	TVS(tr)
						Uranium	varies*	varies*
				Zinc	TVS	TVS		

2. Mainstem of the Encampment River, including all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segment 1.								
COUCNP02	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P		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	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---	
		<u>E.-Coli</u> (per 100 mL)	---	205	Chromium VI	TVS	TVS	
		Inorganic (mg/L)				Copper	TVS	TVS
				acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS		Iron(T)	---	1000
		Boron	---	0.75		Lead	TVS	TVS
		Chloride	---	250		Lead(T)	50	---
		Chlorine	0.019	0.011		Manganese	TVS	TVS/WS
		Cyanide	0.005	---		Mercury(T)	---	0.01
		Nitrate	10	---		Molybdenum(T)	---	150
		Nitrite	<u>0.05</u>	<u>---</u>	<u>0.05</u>	Nickel	TVS	TVS
		Phosphorus	---	0.11		Nickel(T)	---	100
		Sulfate	---	WS		Selenium	TVS	TVS
		Sulfide	---	0.002		Silver	TVS	TVS(tr)
						Uranium	varies*	varies*
				Zinc	TVS	TVS		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

3. Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.							
COUCNP03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		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/m ²)	---	150*	Chromium III(T)	50	---
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4a. All tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segments 1, 4b, 5a, 5b, 6, 7a and 7b.

4a. All tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segments 1, 4b, 5a, 5b, 6, 7a and 7b.							
COUCNP04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		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/m ²)	---	150	Chromium III(T)	50	---
		<u>E. Coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

4b. Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River, except for specific listings in Segments 7a and 7b. Mainstem of the Canadian River from below 12E Road (40.720033, -106.088912) to the confluence with the North Platte River. All tributaries to the Canadian River, including wetlands, which enter the mainstem from the southwest from below 12E Road to the confluence with the North Platte River.

COUCNP04B	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 Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 33.5(3) for details.						acute	chronic
		Ammonia	TVS	TVS	Iron	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5a. Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.

COUCNP05A	Classifications	Physical and Biological			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:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E. Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.					Inorganic (mg/L)		
*Uranium(chronic) = See 33.5(3) for details.						acute	chronic
		Ammonia	TVS	TVS	Iron	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05---	---0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.

COUCNP05B	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 N		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Temporary Modification(s):		E-Coli E. coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2024					Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).					Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.					Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

6. Mainstem of Pinkham Creek from the Routt National Forest boundary to the confluence with the North Platte River.

COUCNP06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		E-Coli E. coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

7a. Mainstem of Government Creek from the boundary of the Colorado State Forest to the confluence with the Canadian River. Mainstem of Spring Creek from the source to Spring Creek (Number 31) Reservoir.							
COUCNP07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation N	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	7.6
Fish Ingestion Standards Apply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	---	Chromium VI	TVS	TVS
		E. Coli <u>E. coli</u> (per 100 mL)	---	630	Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			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(tr)
		Nitrite	0.05---	0.05	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			
7b. Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.							
COUCNP07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	7.6
Fish Ingestion Standards Apply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli <u>E. coli</u> (per 100 mL)	---	126	Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.			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(tr)
		Nitrite	0.05---	0.05	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

8. All lakes and reservoirs tributary to the North Platte and Encampment Rivers within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.								
COUCNP08	Classifications	Physical and Biological			Metals (ug/L)			
Designation			DM	MWAT	acute	chronic		
OW	Agriculture							
	Aq Life Cold 1	Temperature °C	varies*	varies*	340	---		
	Recreation E		acute	chronic	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	TVS	TVS		
Qualifiers:		D.O. (spawning)	---	7.0	5.0	---		
Other:		pH	6.5 - 9.0	---	---	TVS		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Blue Lake, Lower Big Twin Lake, Katherine Lake DM=CL and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		chlorophyll a (ug/L)	---	8*	50	---		
		E.-Coli E. coli (per 100 mL)	---	126	TVS	TVS		
		Inorganic (mg/L)						
			acute	chronic				
		Ammonia	TVS	TVS	---	1000	TVS	
		Boron	---	0.75	TVS	TVS	---	
		Chloride	---	250	50	---	---	
		Chlorine	0.019	0.011	TVS	TVS/WS	---	
		Cyanide	0.005	---	---	0.01	150	
		Nitrate	10	---	TVS	TVS	---	
		Nitrite	0.05 ---	--- 0.05	---	100	---	
		Phosphorus	---	0.025*	TVS	TVS	---	
		Sulfate	---	WS	TVS	TVS(tr)	---	
		Sulfide	---	0.002	varies*	varies*	TVS	
					TVS	TVS	---	

9. All lakes and reservoirs tributary to the North Platte and Encampment Rivers except for specific listings in Segment 8.								
COUCNP09	Classifications	Physical and Biological			Metals (ug/L)			
Designation			DM	MWAT	acute	chronic		
Reviewable	Agriculture							
	Aq Life Cold 1	Temperature °C	varies*	varies* ^B	340	---		
	Recreation E		acute	chronic	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	TVS	TVS		
Qualifiers:		D.O. (spawning)	---	7.0	5.0	---		
Other:		pH	6.5 - 9.0	---	---	TVS		
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		chlorophyll a (ug/L)	---	8*	50	---		
		E.-Coli E. coli (per 100 mL)	---	126	TVS	TVS		
		Inorganic (mg/L)						
			acute	chronic				
		Ammonia	TVS	TVS	---	1000	TVS	
		Boron	---	0.75	TVS	TVS	---	
		Chloride	---	250	50	---	---	
		Chlorine	0.019	0.011	TVS	TVS/WS	---	
		Cyanide	0.005	---	---	0.01	150	
		Nitrate	10	---	TVS	TVS	---	
		Nitrite	0.05 ---	--- 0.05	---	100	---	
		Phosphorus	---	0.025*	TVS	TVS	---	
		Sulfate	---	WS	TVS	TVS(tr)	---	
		Sulfide	---	0.002	varies*	varies*	TVS	
					TVS	TVS	---	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

1. All tributaries to the Yampa River, including all wetlands, which are within the Mount Zirkel, Flat Tops and Sarvis Creek Wilderness Areas.							
COUCYA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	CS-I	CS-I	340	---	Arsenic	
	Recreation E	acute	chronic	---	0.02	Arsenic(T)	
Water Supply	Water Supply	---	6.0	TVS	TVS	Cadmium	
	D.O. (mg/L)	---	7.0	5.0	---	Cadmium(T)	
Qualifiers:		6.5 - 9.0	---	---	TVS	Chromium III	
Other:		---	150	50	---	Chromium III(T)	
*Uranium(acute) = See 33.5(3) for details.		---	126	TVS	TVS	Chromium VI	
*Uranium(chronic) = See 33.5(3) for details.		---	---	TVS	TVS	Copper	
		Inorganic (mg/L)			---	WS	Iron
		acute	chronic	---	1000	Iron(T)	
		TVS	TVS	TVS	TVS	Lead	
		---	0.75	50	---	Lead(T)	
		---	250	TVS	TVS/WS	Manganese	
		0.019	0.011	---	0.01	Mercury(T)	
		0.005	---	---	150	Molybdenum(T)	
		10	---	TVS	TVS	Nickel	
		0.05	0.05	---	100	Nickel(T)	
		---	0.11	TVS	TVS	Selenium	
		---	WS	TVS	TVS(tr)	Silver	
		---	0.002	varies*	varies*	Uranium	
				TVS	TVS/TVS(sc)	Zinc	

2a. Mainstem of the Yampa River from the confluence of the Bear River and Phillips Creek to a point immediately above the confluence with Oak Creek.							
COUCYA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	CS-I	CS-I	340	---	Arsenic	
	Recreation E	acute	chronic	---	0.02	Arsenic(T)	
Water Supply	Water Supply	---	6.0	TVS	TVS	Cadmium	
	D.O. (mg/L)	---	7.0	5.0	---	Cadmium(T)	
Qualifiers:		6.5 - 9.0	---	---	TVS	Chromium III	
Other:		---	150*	50	---	Chromium III(T)	
Temporary Modification(s):		---	126	TVS	TVS	Chromium VI	
Arsenic(chronic) = hybrid		---	---	TVS	TVS	Copper	
Expiration Date of 12/31/2024		Inorganic (mg/L)			---	WS	Iron
		acute	chronic	---	1000	Iron(T)	
		TVS	TVS	TVS	TVS	Lead	
		---	0.75	50	---	Lead(T)	
		---	250	TVS	TVS/WS	Manganese	
		0.019	0.011	---	0.01	Mercury(T)	
		0.005	---	---	150	Molybdenum(T)	
		10	---	TVS	TVS	Nickel	
		0.05	0.05	---	100	Nickel(T)	
		---	0.11*	TVS	TVS	Selenium	
		---	WS	TVS	TVS(tr)	Silver	
		---	0.002	varies*	varies*	Uranium	
				TVS	TVS/TVS(sc)	Zinc	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

2b. Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.							
COUCYA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	varies*	varies*	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	6.0	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid temperature(MWAT) = current conditions* Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards. *TempMod: temperature = applies from 7/1-9/30 and 11/1-11/30. Adopted 6/10/2019		D.O. (spawning)	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0-05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			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 Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		D.O. (mg/L)	6.0	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0-05---	--0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
Sulfide	---	0.002	Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

4. Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.							
COUCYA04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	0.02-10 ^A
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
				Zinc	TVS	TVS	

5. Mainstem of Chimney Creek and Phillips Creek, including all tributaries and wetlands, which are not on National Forest lands, from their sources to the confluence with the Yampa River.

COUCYA05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
Recreation P		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E.-Coli E. coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
				Uranium	varies*	varies*	
				Zinc	TVS	TVS	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

6. Mainstem of Oak Creek, including all tributaries and wetlands, from the source to a point 0.25 mile below County Road 27 (40.279241, -106.965405).							
COUCYA06	Classifications	Physical and Biological			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
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		<u>E.-Coli</u> / <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<u>0.05</u> ---	<u>---</u> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

7. Mainstem of Oak Creek, including all tributaries and wetlands, from a point 0.25 mile below County Road 27 (40.279241, -106.965405) to the confluence with the Yampa River.							
COUCYA07	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 P		acute	chronic	Arsenic(T)	---	0.02
Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Temporary Modification(s):		<u>E.-Coli</u> / <u>E. coli</u> (per 100 mL)	---	205	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Iron	---	WS
Discharger Specific Variance(s):		Ammonia	TVS	TVS	Iron(T)	---	1000
Nitrate(acute) = See Section 33.6(c) for details on variance for the Town of Oak Creek.		Boron	---	0.75	Lead	TVS	TVS
Expiration Date of 6/30/2026		Chloride	---	250	Lead(T)	50	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Cyanide	0.005	---	Mercury(T)	---	0.01
*Uranium(acute) = See 33.5(3) for details.		Nitrate	10	---	Molybdenum(T)	---	150
*Uranium(chronic) = See 33.5(3) for details.		Nitrite	<u>0.05</u> ---	<u>---</u> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

8. Mainstem of the Elk River, including all tributaries and wetlands, from the source to the confluence with the Yampa River, except for those tributaries included in Segments 1 and 20a. Mainstem of the West Fork Elk River from the source to the confluence with the Yampa River.							
COUCYA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute	chronic		
Reviewable		acute	chronic	Arsenic	340	---	
		Temperature °C	CS-I	CS-I	Arsenic(T)	---	0.02
		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 Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		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 ---	--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)
9. Deleted.							
COUCYA09	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT	acute	chronic		
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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10. Deleted.							
COUCYA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT	acute	chronic		
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				
11. Fish Creek, including all tributaries and wetlands, from the source to County Road 27 (40.355559, -107.105131), except for specific listings in Segment 20a.							
COUCYA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation N	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 Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		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	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

12. All tributaries to the Yampa River, including all wetlands, from above the confluence with the Elk River to above the confluence with Elkhead Creek, except for specific listings in Segments 8, 11, 13a-13j and 20a.

COUCYA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	100
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	---	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		<u>E-ColiE_coli</u> (per 100 mL)	---	630	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Manganese(T)	---	200
		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(tr)
		Nitrite	<u>0.05---</u>	<u>---0.05</u>	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

13a. Mainstem of Trout Creek, including all tributaries and wetlands, from the source to the headgate of Spruce Hill Ditch (40.317190, -107.005110), except for specific listings in Segments 1 and 20a. Mainstem of Middle Creek, including all tributaries and wetlands, from the source to County Road 27 (40.339183, -107.025533), except for specific listings in Segment 20a.

COUCYA13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		<u>E-ColiE_coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.			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	<u>0.05---</u>	<u>---0.05</u>	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)

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

13d. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to above the confluence with Temple Gulch.							
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	Arsenic	340	---
	Recreation E		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 Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100
Iron(chronic) = current condition		<u>E-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 6/30/2023		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	varies*
*Iron(T)(chronic) = See section 33.6(4) for standards 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---	---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 tributaries and wetlands, from the source to the confluence with the Yampa River.							
COUCYA13E	Classifications	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	---
	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/m ²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		<u>E-Coli</u> E. coli (per 100 mL)	---	630	Chromium III(T)	50	---
Selenium(chronic) = current conditions*		Inorganic (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 standards and assessment locations for Sage Creek.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
Uranium(chronic) = 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
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVSWS
		Nitrite	0-05---	---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

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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13f. Mainstem of Trout Creek, including all tributaries and wetlands, from a point immediately below the confluence with Fish Creek to the confluence with the Yampa River.									
COUCYA13F	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		
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS		
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---		
Temporary Modification(s):		E-ColiE.coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	TVS	TVS		
Expiration Date of 12/31/2024					Iron	---	WS		
*Uranium(acute) = See 33.5(3) for details.					acute	chronic	Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS		
*Temperature = See 33.6(4) for 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---	---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 tributaries to Fish Creek from the confluence with Cow Camp Creek (40.398773, -107.016467) to the confluence with Trout Creek.									
COUCYA13G	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic				
Reviewable	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 Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100		
Selenium(chronic) = current conditions*		E-ColiE.coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
Expiration Date of 12/31/2022		Inorganic (mg/L)			Copper	TVS	TVS		
*Uranium(acute) = See 33.5(3) for details.					acute	chronic	Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS		
*TempMod: Selenium = Adopted 6/9/2014		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---	---0.05	Silver	TVS	TVS		
		Phosphorus	---	0.17	Uranium	varies*	varies*		
		Sulfate	---	---	Zinc	TVS	TVS		
		Sulfide	---	0.002					

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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13h. Mainstem of Dry Creek (near Hayden), including all tributaries and wetlands, from above the confluence with Temple Gulch to the confluence with the Yampa River.							
COUCYA13H	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2 Recreation E	WS-II	WS-II	Temperature °C	340	---	
		acute	chronic		---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	TVS	
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	
		<u>E-Coli</u> E. coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			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---	---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 tributaries and wetlands, from the source to immediately above the confluence with Scotchmans Gulch.					
COUCYA13I	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2 Recreation N	WS-II	WS-II	Temperature °C	340	---	
		acute	chronic		---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	TVS	
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	
Temporary Modification(s): Iron(chronic) = current conditions* Expiration Date of 6/30/2023 Selenium(chronic) = current conditions* Expiration Date of 12/31/2022 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Iron = applies to Grassy Creek. *TempMod: Selenium = Adopted 6/9/2014		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	
		<u>E-Coli</u> E. coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			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---	---0.05	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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13j. Mainstem of Grassy Creek (near Hayden), including all tributaries and wetlands, from above the confluence with Scotchmans Gulch to the confluence with the Yampa River.							
COUCYA13J	Classifications	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 Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	100
Selenium(chronic) = current conditions*		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/2022		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Manganese	TVS	TVS
*TempMod: Selenium = 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	<u>0.05</u> ---	<u>---</u> 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			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
Qualifiers:	Water Supply	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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		<u>E-Coli</u> , <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	<u>0.05</u> ---	<u>---</u> 0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

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

15. Mainstem of Elkhead Creek, including all tributaries and wetlands, from a point immediately below the confluence with Calf Creek to the confluence with the Yampa River. Dry Fork Elkhead Creek, including all tributaries and wetlands, from a point immediately below 80A Road (40.612676, -107.228533) to the confluence with Elkhead Creek.							
COUCYA15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Warm 1 Recreation E Water Supply		DM	MWAT		acute	chronic
Reviewable		Temperature °C	WS-II	WS-II	Arsenic	340	---
Qualifiers:			acute	chronic	Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli <u>E. coli</u> (per 100 mL)	---	126	Chromium III(T)	50	---
			Inorganic (mg/L)		Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		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(T)	---	0.01
		Nitrite	0.05 ---	--- 0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
16. Deleted.							
COUCYA16	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
Qualifiers:			acute	chronic			
Other:			Inorganic (mg/L)				
			acute	chronic			

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

17. Deleted.							
COUCYA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Qualifiers:		acute	chronic				
Other:		Inorganic (mg/L)					
		acute	chronic				
18. South Fork Little Snake River and Middle Fork Little Snake River, including all tributaries and wetlands, from their sources to the confluence with the Little Snake River, which are not on National Forest lands. North Fork Little Snake River, including all tributaries and wetlands, from the Colorado/Wyoming border to the confluence with the Little Snake River.							
COUCYA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	acute	chronic				
Qualifiers:							
Other:							
		Temperature °C	CS-I	CS-I	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli E. coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		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(T)	---	0.01
		Nitrite	0.05---	--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	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

19. All tributaries to the South Fork Little Snake River and Middle Fork Little Snake River, including all wetlands, which are on National Forest lands in Routt County.							
COUCYA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
		acute	chronic	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	
		pH	6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	
		E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	Lead	TVS	
		Chloride	---	250	Lead(T)	50	
		Chlorine	0.019	0.011	Manganese	TVS	
		Cyanide	0.005	---	Mercury(T)	---	
		Nitrate	10	---	Molybdenum(T)	---	
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	
		Sulfate	---	WS	Selenium	TVS	
		Sulfide	---	0.002	Silver	TVS	
					Uranium	varies*	
					Zinc	TVS	
						TVS/TVS(sc)	
20a. All tributaries to the Yampa River, including all wetlands, from above the confluence with the Elk River to below the confluence with Elkhead Creek, which are on National Forest lands, except for specific listings in Segment 20b.							
COUCYA20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
		acute	chronic	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	
		pH	6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	
		E. Coli E. coli (per 100 mL)	---	126	Chromium VI	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	
		Boron	---	0.75	Lead	TVS	
		Chloride	---	250	Lead(T)	50	
		Chlorine	0.019	0.011	Manganese	TVS	
		Cyanide	0.005	---	Mercury(T)	---	
		Nitrate	10	---	Molybdenum(T)	---	
		Nitrite	0.05 ---	--- 0.05	Nickel	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	
		Sulfate	---	WS	Selenium	TVS	
		Sulfide	---	0.002	Silver	TVS	
					Uranium	varies*	
					Zinc	TVS	
						TVS	

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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

20b. Mainstem of First Creek from the eastern boundary of state lands in California Park (40.731309, -107.141684) to the confluence with Elkhead Creek. Mainstem of Elkhead Creek from the eastern boundary of state lands in California Park (40.743796, -107.141684) to the National Forest boundary.						
COUCYA20B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1 Recreation N Water Supply	Temperature °C	CS-I	CS-I	arsenic	340
Qualifiers:			acute	chronic	Arsenic(T)	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	630	Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS
					TVS	TVS
					WS	WS
					1000	1000
					TVS	TVS
					50	---
					TVS/SWS	TVS/SWS
					0.01	0.01
					150	150
					TVS	TVS
					---	100
					TVS	TVS
					TVS	TVS(tr)
					varies*	varies*
					TVS	TVS

*Uranium(acute) = See 33.5(3) for details.
*Uranium(chronic) = See 33.5(3) for details.

21. All lakes and reservoirs tributary to the Yampa River within the Mount Zirkel, Flat Tops and Sarvis Creek Wilderness Areas, except for those lakes and reservoirs included in Lower Yampa River Segment 28.						
COUCYA21	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
OW	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CL,CLL	CL,CLL	arsenic	340
Qualifiers:			acute	chronic	Arsenic(T)	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS
					TVS	TVS
					WS	WS
					1000	1000
					TVS	TVS
					50	---
					TVS/SWS	TVS/SWS
					0.01	0.01
					150	150
					TVS	TVS
					---	100
					TVS	TVS
					TVS	TVS(tr)
					varies*	varies*
					TVS	TVS

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Uranium(acute) = See 33.5(3) for details.
*Uranium(chronic) = See 33.5(3) for details.

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

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

22. All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River, except for specific listings in Segment 23. All lakes and reservoirs tributary to the Little Snake River, including those on National Forest lands.

COUCYA22	Classifications	Physical and Biological			Metals (ug/L)				
Designation		DM	MWAT		acute	chronic			
Reviewable	Agriculture								
	Aq Life Cold 1	varies*	varies* ^B	Temperature °C	Arsenic	340	---		
	Recreation E	acute	chronic		Arsenic(T)	---	0.02		
	Water Supply	---	6.0	D.O. (mg/L)	Cadmium	TVS	TVS		
	DUWS*	---	7.0	D.O. (spawning)	Cadmium(T)	5.0	---		
Qualifiers:				pH	Chromium III	---	TVS		
Other:				chlorophyll a (ug/L)	Chromium III(T)	50	---		
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Stagecoach Res. Steamboat Lake and Yampa River Holding Pond *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.				<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	Chromium VI	TVS	TVS		
				Inorganic (mg/L)			Copper	TVS	TVS
				acute	chronic		Iron	---	WS
						Ammonia	Iron(T)	---	1000
				TVS	TVS	Boron	Lead	TVS	TVS
				---	0.75	Chloride	Lead(T)	50	---
				---	250	Chlorine	Manganese	TVS	TVS/WS
				0.019	0.011	Cyanide	Mercury(T)	---	0.01
				0.005	---	Nitrate	Molybdenum(T)	---	150
				10	---	Nitrite	Nickel	TVS	TVS
				<u>0.05</u> ---	<u>---</u> 0.05	Phosphorus	Nickel(T)	---	100
				---	0.025*	Sulfate	Selenium	TVS	TVS
				---	WS	Sulfide	Silver	TVS	TVS(tr)
				---	0.002		Uranium	varies*	varies*
							Zinc	TVS	TVS

23. Elkhead Reservoir

COUCYA23	Classifications	Physical and Biological			Metals (ug/L)				
Designation		DM	MWAT		acute	chronic			
Reviewable	Agriculture								
	Aq Life Warm 1	WL	WL	Temperature °C	Arsenic	340	---		
	Recreation E	acute	chronic		Arsenic(T)	---	0.02		
	Water Supply	---	6.0	D.O. (mg/L)	Cadmium	TVS	TVS		
Qualifiers:				D.O. (spawning)	Cadmium(T)	5.0	---		
Other:				pH	Chromium III	---	TVS		
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4); applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.				chlorophyll a (ug/L)	Chromium III(T)	50	---		
				---	8*	<u>E. Coli</u> <u>E. coli</u> (per 100 mL)	Chromium VI	TVS	TVS
				Inorganic (mg/L)			Copper	TVS	TVS
				acute	chronic		Iron	---	WS
				TVS	TVS	Ammonia	Iron(T)	---	1000
				---	0.75	Boron	Lead	TVS	TVS
				---	250	Chloride	Lead(T)	50	---
				0.019	0.011	Chlorine	Manganese	TVS	TVS/WS
				0.005	---	Cyanide	Mercury(T)	---	0.01
				10	---	Nitrate	Molybdenum(T)	---	150
				<u>0.05</u> ---	<u>---</u> 0.05	Nitrite	Nickel	TVS	TVS
				---	0.025*	Phosphorus	Nickel(T)	---	100
				---	WS	Sulfate	Selenium	TVS	TVS
				---	0.002	Sulfide	Silver	TVS	TVS
							Uranium	varies*	varies*
					Zinc	TVS	TVS		

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

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

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.