

**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 12/31/2024

## 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 <sup>2</sup>	=	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	Water Supply Agriculture Aq Life Cold 1 Recreation E		DM	MWAT	acute	chronic	
OW		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:  *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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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 Aq Life Cold 1 Recreation E Water Supply		DM	MWAT	acute	chronic	
Reviewable		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 12/31/2029  *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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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	varies*	varies*	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply			D.O. (mg/L)	TVS	TVS	Cadmium
<b>Qualifiers:</b>				D.O. (spawning)	5.0	---	Cadmium(T)
<b>Other:</b>				pH	---	TVS	Chromium III
Temporary Modification(s):		6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	50	---	Chromium III(T)
Arsenic(chronic) = hybrid		---	TVS	E. Coli (per 100 mL)	TVS	TVS	Chromium VI
Expiration Date of 12/31/2029		---	126		TVS	TVS	Copper
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			---	WS	Iron
*Uranium(acute) = See 33.5(3) for details.		acute	chronic		---	1000	Iron(T)
*Uranium(chronic) = See 33.5(3) for details.				Ammonia	TVS	TVS	Lead
*Temperature =		TVS	TVS	Boron	---	0.75	Lead(T)
See 33.6(4) for temperature standards.		---	250	Chloride	TVS	TVS/WS	Manganese
		0.019	0.011	Chlorine	---	0.01	Mercury(T)
		0.005	---	Cyanide	---	150	Molybdenum(T)
		10	---	Nitrate	TVS	TVS	Nickel
		---	0.05	Nitrite	---	100	Nickel(T)
		---	TVS*	Phosphorus	TVS	TVS	Selenium
		---	WS	Sulfate	TVS	TVS(tr)	Silver
		---	0.002	Sulfide	varies*	varies*	Uranium
					TVS	TVS/TVS(sc)	Zinc

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	CS-I	CS-I	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply			D.O. (mg/L)	TVS	TVS	Cadmium
<b>Qualifiers:</b>				D.O. (spawning)	5.0	---	Cadmium(T)
<b>Other:</b>				pH	---	TVS	Chromium III
Temporary Modification(s):		6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	50	---	Chromium III(T)
Arsenic(chronic) = hybrid		---	TVS	E. Coli (per 100 mL)	TVS	TVS	Chromium VI
Expiration Date of 12/31/2029		---	126		TVS	TVS	Copper
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			---	WS	Iron
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic		---	1000	Iron(T)
		TVS	TVS	Ammonia	TVS	TVS	Lead
		---	0.75	Boron	---	50	Lead(T)
		---	250	Chloride	TVS	TVS/WS	Manganese
		0.019	0.011	Chlorine	---	0.01	Mercury(T)
		0.005	---	Cyanide	---	150	Molybdenum(T)
		10	---	Nitrate	TVS	TVS	Nickel
		---	0.05	Nitrite	---	100	Nickel(T)
		---	TVS	Phosphorus	TVS	TVS	Selenium
		---	WS	Sulfate	TVS	TVS(tr)	Silver
		---	0.002	Sulfide	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

## 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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			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)	
		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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			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)	

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
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS*	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

## 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				
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	acute	chronic	
	Recreation N		acute	chronic			
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic	340	---
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.		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					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	---	0.05	Uranium	varies*	varies*
		Phosphorus	---	TVS*	Zinc	TVS	TVS
Sulfate	---	---					
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 waterbodies in Upper Colorado Segments 7b, 7c, 7d, and 7e and waterbodies in the Blue River, Eagle River, and Roaring Fork River basins.							
COUCUC07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	acute	chronic	
	Recreation E		acute	chronic			
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic	340	---
Qualifiers:		D.O. (spawning)	---	7.0	Arsenic(T)	---	0.02
Other:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m²)	---	TVS	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
Sulfate	---	WS	Silver	TVS	TVS(tr)		
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

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 waterbodies in Upper Colorado Segments 7b, 7c, 7d, and 7e and waterbodies 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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		Inorganic (mg/L)			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

## 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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		chlorophyll a (mg/m²)	---	TVS	Chromium VI	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	250	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	---	0.05	Zinc	TVS	TVS
		Phosphorus	---	TVS*			
		Sulfate	---	---			

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		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	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.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	250	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	---	0.05	Zinc	TVS	TVS
		Phosphorus	---	TVS*			
Sulfate	---	---					

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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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)	---	190
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
9. All tributaries to the Colorado River and Fraser River, 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	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
		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
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 (ug/L)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Temperature =					Copper	TVS	TVS
DM and MWAT=CL,CLL from 1/1-3/31		Inorganic (mg/L)			Iron	---	WS
Rim Lake		acute	chronic	Iron(T)	---	1000	
DM=CL and MWAT=16.6 from 4/1-12/31		Ammonia	TVS	TVS	Lead	TVS	TVS
All others		Boron	---	0.75	Lead(T)	50	---
DM and MWAT=CL,CLL from 4/1-12/31		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

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
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 (ug/L)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Temperature =					Copper	TVS	TVS
DM and MWAT=CL,CLL from 1/1-3/31		Inorganic (mg/L)			Iron	---	WS
Rim Lake			acute	chronic	Iron(T)	---	1000
DM=CL and MWAT=16.6 from 4/1-12/31		Ammonia	TVS	TVS	Lead	TVS	TVS
All others		Boron	---	0.75	Lead(T)	50	---
DM and MWAT=CL,CLL from 4/1-12/31		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	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

## 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	Temperature °C	varies* varies* <sup>B</sup>	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02
	Water Supply	clarity	--- narrative*	Cadmium	TVS TVS
	DUWS*	D.O. (mg/L)	--- 6.0	Cadmium(T)	5.0 ---
		D.O. (spawning)	--- 7.0	Chromium III	--- TVS
		pH	6.5 - 9.0 ---	Chromium III(T)	50 ---
		chlorophyll a (ug/L)	--- DUWS	Chromium VI	TVS TVS
		chlorophyll a (ug/L)	--- TVS	Copper	TVS TVS
		E. Coli (per 100 mL)	--- 126	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	Selenium	TVS TVS
		Nitrogen	--- TVS*	Silver	TVS TVS(tr)
		Phosphorus	--- TVS*	Uranium	varies* varies*
		Sulfate	--- WS	Zinc	TVS TVS
		Sulfide	--- 0.002		
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	Temperature °C	varies* varies* <sup>B</sup>	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS TVS
	DUWS*	D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
		pH	6.5 - 9.0 ---	Chromium III	--- TVS
		chlorophyll a (ug/L)	--- DUWS	Chromium III(T)	50 ---
		chlorophyll a (ug/L)	--- TVS	Chromium VI	TVS TVS
		E. Coli (per 100 mL)	--- 126	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	Nickel(T)	--- 100
		Nitrogen	--- TVS*	Selenium	TVS TVS
		Phosphorus	--- TVS*	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

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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
*Zinc(acute) = e^(1.25 (ln(hard)+0.799))		Boron	---	0.75	Lead(T)	50	---
*Zinc(chronic) = e^(1.25 (ln(hard)+0.799))		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					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*
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Cadmium(acute) = 1/2e^(1.0166(ln(hard)-3.132))			Inorganic (mg/L)		Iron	---	WS
*Cadmium(chronic) = 1/2e^(1.0166(ln(hard)-3.132))			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	---
*Zinc(acute) = e^(0.9805(ln(hard)+1.402))		Chloride	---	250	Manganese	TVS	TVS/WS
*Zinc(chronic) = e^(0.9805(ln(hard)+1.402))		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			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	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 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	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/m²)	--- TVS	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/2029				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	Nickel(T)	--- 100
		Phosphorus	--- TVS	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

## 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)		
Designation		DM	MWAT	acute	chronic	
OW	Agriculture					
	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
<b>Qualifiers:</b>  <b>Other:</b>  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	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
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50 ---
		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	Nickel(T)	--- 100
		Phosphorus	---	TVS	Selenium	TVS TVS
		Sulfate	---	WS	Silver	TVS TVS(tr)
		Sulfide	---	0.002	Uranium	varies* varies*
					Zinc	TVS TVS/TVS(sc)
5. Deleted.						
COUCBL05	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

## 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	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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Zinc(acute) = 0.978*e^0.8537(ln Hardness)+1.5227					Copper	TVS	TVS
*Zinc(chronic) = 0.986*e^0.8537(ln Hardness)+1.3519		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

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	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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Zinc(acute) = 0.978*e^0.8537(ln Hardness)+1.5227					Copper	TVS	TVS
*Zinc(chronic) = 0.986*e^0.8537(ln Hardness)+1.3519		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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

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:  *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 VI	TVS	TVS
		chlorophyll a (mg/m²)	---	TVS	Copper	TVS	TVS
		E. Coli (per 100 mL)	---	126	Iron(T)	---	1000
					Lead	TVS	TVS
		Inorganic (mg/L)			Manganese	TVS	TVS
			acute	chronic	Mercury(T)	---	0.01
		Ammonia	TVS	TVS	Molybdenum(T)	---	---
		Boron	---	---	Nickel	TVS	TVS
		Chloride	---	---	Selenium	TVS	TVS
		Chlorine	0.019	0.011	Silver	TVS	TVS(tr)
		Cyanide	0.005	---	Uranium	varies*	varies*
		Nitrate	---	---	Zinc	TVS	TVS
		Nitrite	---	0.05			
		Phosphorus	---	TVS			
		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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS*	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

## 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		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:  *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/m²)	---	TVS	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	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		acute
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:  *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/m²)	---	TVS	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	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

## 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 Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
		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		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Cadmium(chronic) = existing quality		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Iron(T)	---	1000
*Zinc(acute) = existing quality		Inorganic (mg/L)			Lead	TVS	TVS
*Zinc(chronic) = existing quality		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	---	0.05	Zinc	EQ*	EQ*
		Phosphorus	---	TVS			
		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 Recreation P Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	0.02-10 <sup>A</sup>
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
*Uranium(acute) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic			
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS
<p>*Any water quality based effluent limit shall not cause or contribute to exceedances of water quality standards adopted to protect downstream uses.</p> <p>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</p> <p>*Uranium(acute) = See 33.5(3) for details.</p> <p>*Uranium(chronic) = See 33.5(3) for details.</p>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---	100
		E. Coli (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	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	---
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	TVS*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS/TVS(sc)
		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	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic			
	Water Supply	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	---
<p>Temporary Modification(s):</p> <p>Arsenic(chronic) = hybrid</p> <p>Expiration Date of 12/31/2029</p> <p>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</p> <p>*Uranium(acute) = See 33.5(3) for details.</p> <p>*Uranium(chronic) = See 33.5(3) for details.</p>		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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	Molybdenum(T)	---	530
		Phosphorus	---	TVS*	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

## 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
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 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
		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)	---	210
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	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
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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	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		
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
Other:  *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/m²)	---	TVS	Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
					Copper	TVS	TVS		
		Inorganic (mg/L)			Iron	---	WS		
					Iron(T)	---	1000		
					Lead	TVS	TVS		
		Ammonia			TVS	TVS			
		Boron			---	0.75	Lead(T)	50	---
		Chloride			---	250	Manganese	TVS	TVS/WS
		Chlorine			0.019	0.011	Mercury(T)	---	0.01
		Cyanide			0.005	---	Molybdenum(T)	---	150
		Nitrate			10	---	Nickel	TVS	TVS
		Nitrite			---	0.05	Nickel(T)	---	100
		Phosphorus			---	TVS	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

## 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	CS-I	CS-I	Temperature °C	340	---	
	Recreation E	acute	chronic				
	Water Supply	---	6.0	D.O. (mg/L)	TVS	TVS	
<b>Qualifiers:</b>		---	7.0	D.O. (spawning)	5.0	---	
<b>Other:</b>		6.5 - 9.0	---	pH	---	TVS	
Temporary Modification(s):		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---	
Arsenic(chronic) = hybrid		---	126	E. Coli (per 100 mL)	TVS	TVS	
Expiration Date of 12/31/2029					TVS	TVS	
*Uranium(acute) = See 33.5(3) for details.					TVS	TVS	
*Uranium(chronic) = See 33.5(3) for details.					---	WS	
		Inorganic (mg/L)			---	1000	
		acute	chronic		---	1000	
		TVS	TVS	Ammonia	TVS	TVS	
		---	0.75	Boron	50	---	
		---	250	Chloride	TVS	TVS/WS	
		0.019	0.011	Chlorine	---	0.01	
		0.005	---	Cyanide	---	150	
		10	---	Nitrate	TVS	TVS	
		---	0.05	Nitrite	---	100	
		---	---	Phosphorus	TVS	TVS	
		---	WS	Sulfate	TVS	TVS(tr)	
		---	0.002	Sulfide	varies*	varies*	
					TVS	TVS/TVS(sc)	
					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	CS-I	CS-I	Temperature °C	340	---	
	Recreation E	acute	chronic				
	Water Supply	---	6.0	D.O. (mg/L)	TVS	TVS	
<b>Qualifiers:</b>		---	7.0	D.O. (spawning)	5.0	---	
<b>Other:</b>		6.5 - 9.0	---	pH	---	TVS	
Temporary Modification(s):		---	TVS	chlorophyll a (mg/m <sup>2</sup> )	50	---	
Arsenic(chronic) = hybrid		---	126	E. Coli (per 100 mL)	TVS	TVS	
Expiration Date of 12/31/2029					TVS	TVS	
*Uranium(acute) = See 33.5(3) for details.					TVS	TVS	
*Uranium(chronic) = See 33.5(3) for details.					---	WS	
		Inorganic (mg/L)			---	1000	
		acute	chronic		---	1000	
		TVS	TVS	Ammonia	TVS	TVS	
		---	0.75	Boron	50	---	
		---	250	Chloride	TVS	TVS/WS	
		0.019	0.011	Chlorine	---	0.01	
		0.005	---	Cyanide	---	150	
		10	---	Nitrate	TVS	TVS	
		---	0.05	Nitrite	---	100	
		---	TVS	Phosphorus	TVS	TVS	
		---	WS	Sulfate	TVS	TVS(tr)	
		---	0.002	Sulfide	varies*	varies*	
					TVS	TVS/TVS(sc)	
					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	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:  *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/m²)	---	---	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
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	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:  *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/m²)	---	---	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	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

## 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	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			
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---			
Other:  *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 (ug/L)	--- TVS	Chromium III(T)	50 ---			
		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	Nickel(T)	--- 100		
		Nitrogen	---	TVS	Selenium	TVS TVS		
		Phosphorus	---	TVS	Silver	TVS TVS(tr)		
		Sulfate	---	WS	Uranium	varies* varies*		
		Sulfide	---	0.002	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	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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Classification: DUWS applies to Goose Pasture Tarn. *Nitrogen(chronic) = applies only above the facilities listed at 33.5(4). *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). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	--- DUWS	Chromium III(T)	50 ---			
		chlorophyll a (ug/L)	--- TVS	Chromium VI	TVS TVS			
		E. Coli (per 100 mL)	--- 126	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	Nickel(T)	--- 100		
		Nitrogen	---	TVS*	Selenium	TVS TVS		
		Phosphorus	---	0.0074*	Silver	TVS TVS(tr)		
		Phosphorus	---	TVS*	Uranium	varies* varies*		
		Sulfate	---	WS	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.

# 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	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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Nitrogen(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 = 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		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Nitrogen	---	TVS*	Selenium	TVS	TVS
		Phosphorus	---	TVS*	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

1. All tributaries to the Eagle River, including all wetlands, within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas. Mainstem of East Brush Creek from the source to 39.498914, -106.671722. All tributaries to East Brush Creek, including wetlands, excluding the following: tributaries and wetlands within Sylvan Lake State Park, the portion of Hat Creek below 39.511013, -106.688716, the portion of Nolan Creek below 39.525486, -106.686495, and the portion of the unnamed tributary below 39.512799, -106.680681; these excluded portions remain in Segment 10a. Mainstem of West Brush Creek from the source to the Sylvan Lake State Park boundary (39.469516, -106.729231). All tributaries to West Brush Creek, including wetlands, which are not within Sylvan Lake State Park.

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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>  *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.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS*	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

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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	--- TVS	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/2029				Copper	--- SSE*
		Inorganic (mg/L)		Copper	SSE* ---
		acute	chronic	Iron	--- WS
*Designation: 9/30/00 Baseline does not apply		Ammonia	TVS TVS	Iron(T)	--- 1000
*Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)		Boron	--- 0.75	Lead	TVS TVS
*Copper(acute) = 0.96*e^0.9801[ln(hardness)] - 1.1073		Chloride	--- 250	Lead(T)	50 ---
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)] - 0.0053		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
*Uranium(acute) = See 33.5(3) for details.		Cyanide	0.005 ---	Mercury(T)	--- 0.01
*Uranium(chronic) = See 33.5(3) for details.		Nitrate	10 ---	Molybdenum(T)	--- 150
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302		Nitrite	--- 0.05	Nickel	TVS TVS
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593		Phosphorus	--- ---	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	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
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	--- TVS	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/2029				Copper	--- SSE*
		Inorganic (mg/L)		Copper	SSE* ---
		acute	chronic	Iron	--- WS
*Designation: 9/30/00 Baseline does not apply		Ammonia	TVS TVS	Iron(T)	--- 1000
*Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)		Boron	--- 0.75	Lead	TVS TVS
*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865		Chloride	--- 250	Lead(T)	50 ---
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
*Uranium(acute) = See 33.5(3) for details.		Cyanide	0.005 ---	Mercury(T)	--- 0.01
*Uranium(chronic) = See 33.5(3) for details.		Nitrate	10 ---	Molybdenum(T)	--- 150
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302 from 1/1 - 4/30		Nitrite	--- 0.05	Nickel	TVS TVS
0.978*e^0.8537[ln(hardness)]+1.4189 from 5/1 - 12/31		Phosphorus	--- ---	Nickel(T)	--- 100
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593 from 1/1 - 4/30		Sulfate	--- WS	Selenium	TVS TVS
0.986*e^0.8537[ln(hardness)]+1.2481 from 5/1 - 12/31		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 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	Temperature °C	CS-I	CS-I	Arsenic	acute	chronic
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	SSE*
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:	Temporary Modification(s):	chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
	Arsenic(chronic) = hybrid	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
	Expiration Date of 12/31/2029				Copper	---	SSE*
			Inorganic (mg/L)		Copper	SSE*	---
			acute	chronic	Iron	---	WS
	*Designation: 9/30/00 Baseline does not apply	Ammonia	TVS	TVS	Iron(T)	---	1000
	*Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)	Boron	---	0.75	Lead	TVS	TVS
	*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865	Chloride	---	250	Lead(T)	50	---
	*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845	Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
	*Uranium(acute) = See 33.5(3) for details.	Cyanide	0.005	---	Mercury(T)	---	0.01
	*Uranium(chronic) = See 33.5(3) for details.	Nitrate	10	---	Molybdenum(T)	---	150
	*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+1.4189	Nitrite	---	0.05	Nickel	TVS	TVS
	*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.2481	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		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
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details.  *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
			Inorganic (mg/L)		Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	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	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
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	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
*Designation: 9/30/00 Baseline does not apply		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
*Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865					Copper	---	SSE*
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845		Inorganic (mg/L)		Copper	SSE*	---	
*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
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302 from 1/1 - 4/30		Boron	---	0.75	Lead	TVS	TVS
0.978*e^0.8537[ln(hardness)]+1.4189 from 5/1 - 12/31		Chloride	---	250	Lead(T)	50	---
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593 from 1/1 - 4/30		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
0.986*e^0.8537[ln(hardness)]+1.2481 from 5/1 - 12/31		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	TVS	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

## 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	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	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS	
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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 = DM=CS-I and MWAT=14 from 6/1-6/30 DM=CS-I and MWAT=CS-I from 7/1-9/30 DM=CS-I and MWAT=12 from 10/1-10/15 DM=CS-I and MWAT=CS-I from 10/16-5/31		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		<b>Inorganic (mg/L)</b>			Iron	---	WS	
			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	---	0.05	Nickel(T)	---	100	
		Phosphorus	---	TVS*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	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	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	---	
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS	
<b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM=CS-I and MWAT=16 from 6/1-6/30 DM=CS-I and MWAT=CS-I from 7/1-9/30 DM=CS-I and MWAT=12 from 10/1-10/15 DM=CS-I and MWAT=11 from 10/16-10/31 DM=CS-I and MWAT=CS-I from 11/1-5/31		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		<b>Inorganic (mg/L)</b>			Iron	---	WS	
			<b>acute</b>	<b>chronic</b>	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	---	0.05	Nickel(T)	---	100	
		Phosphorus	---	---	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

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	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 <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
DM=CS-I and MWAT=16 from 6/1-6/30		Boron	---	0.75	Lead(T)	50	---
DM=CS-I and MWAT=CS-I from 7/1-9/30		Chloride	---	250	Manganese	TVS	TVS/WS
DM=CS-I and MWAT=12 from 10/1-10/15		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM=CS-I and MWAT=11 from 10/16-10/31		Cyanide	0.005	---	Molybdenum(T)	---	150
DM=CS-I and MWAT=CS-I from 11/1-5/31		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2029		<b>Inorganic (mg/L)</b>		Copper	TVS TVS
*Uranium(acute) = See 33.5(3) for details.		<b>acute</b>		<b>chronic</b>	Iron --- WS
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T) --- 1000
*Temperature =		Boron	---	0.75	Lead TVS TVS
DM=15 and MWAT=12 from 4/1-5/31		Chloride	---	250	Lead(T) 50 ---
DM and MWAT=CS-II from 6/1-9/30		Chlorine	0.019	0.011	Manganese TVS TVS/WS
DM=15 and MWAT=12 from 10/1-10/15		Cyanide	0.005	---	Mercury(T) --- 0.01
DM=15 and MWAT=11 from 10/16-10/31		Nitrate	10	---	Molybdenum(T) --- 150
DM and MWAT=CS-II from 11/1-3/31		Nitrite	---	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

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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2029		<b>Inorganic (mg/L)</b>		Copper	TVS TVS
*Uranium(acute) = See 33.5(3) for details.		<b>acute</b>		<b>chronic</b>	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	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

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		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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

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		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:  *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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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:  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Manganese(T)	---	200
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	TVS	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
		12. Mainstem of Brush Creek, from the confluence of West Brush Creek and East Brush Creek to the confluence with the Eagle River. Mainstem of East Brush Creek from 39.498914, -106.671722 to the confluence with West Brush Creek. Mainstem of West Brush Creek from the Sylvan Lake State Park boundary (39.469516, -106.729231) to the confluence with East Brush Creek.					
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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	CL,CLL	CL,CLL	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply			D.O. (mg/L)	TVS	TVS	Cadmium
<b>Qualifiers:</b>				D.O. (spawning)	5.0	---	Cadmium(T)
<b>Other:</b>		6.5 - 9.0	---	pH	---	TVS	Chromium III
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.				chlorophyll a (ug/L)	50	---	Chromium III(T)
				E. Coli (per 100 mL)	TVS	TVS	Chromium VI
		Inorganic (mg/L)			TVS	TVS	Copper
		acute	chronic		---	WS	Iron
				Ammonia	---	1000	Iron(T)
		TVS	TVS	Boron	TVS	TVS	Lead
		---	0.75	Chloride	50	---	Lead(T)
		---	250	Chlorine	TVS	TVS/WS	Manganese
		0.019	0.011	Cyanide	---	0.01	Mercury(T)
		0.005	---	Nitrate	---	150	Molybdenum(T)
		10	---	Nitrite	TVS	TVS	Nickel
		---	0.05	Nitrogen	---	100	Nickel(T)
		---	TVS	Phosphorus	TVS	TVS	Selenium
		---	WS	Sulfate	TVS	TVS(tr)	Silver
		---	0.002	Sulfide	varies*	varies*	Uranium
					TVS	TVS	Zinc

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	CL,CLL	CL,CLL	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply			D.O. (mg/L)	TVS	TVS	Cadmium
<b>Qualifiers:</b>				D.O. (spawning)	5.0	---	Cadmium(T)
<b>Other:</b>		6.5 - 9.0	---	pH	---	TVS	Chromium III
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.				chlorophyll a (ug/L)	50	---	Chromium III(T)
				E. Coli (per 100 mL)	TVS	TVS	Chromium VI
		Inorganic (mg/L)			TVS	TVS	Copper
		acute	chronic		---	WS	Iron
				Ammonia	---	1000	Iron(T)
		TVS	TVS	Boron	TVS	TVS	Lead
		---	0.75	Chloride	50	---	Lead(T)
		---	250	Chlorine	TVS	TVS/WS	Manganese
		0.019	0.011	Cyanide	---	0.01	Mercury(T)
		0.005	---	Nitrate	---	150	Molybdenum(T)
		10	---	Nitrite	TVS	TVS	Nickel
		---	0.05	Nitrogen	---	100	Nickel(T)
		---	TVS	Phosphorus	TVS	TVS	Selenium
		---	WS	Sulfate	TVS	TVS(tr)	Silver
		---	0.002	Sulfide	varies*	varies*	Uranium
					TVS	TVS	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

## 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. Avalanche Creek, including all tributaries and wetlands, from the Maroon Bells/Snowmass Wilderness boundary to the National Forest boundary (39.248331, -107.232393). Woody Creek, including all tributaries and wetlands, from the Hunter/Fryingpan Wilderness boundary to USFS Rd 103/Woody Creek Rd (39.244983, -106.751780). Hunter Creek, including all tributaries and wetlands, from the Hunter/Fryingpan Wilderness boundary to the National Forest boundary (39.205635, -106.798061).

COUCRF01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	CS-I	CS-I	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
*Uranium(acute) = See 33.5(3) for details.		6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		---	TVS	E. Coli (per 100 mL)	Chromium VI	TVS	TVS
		---	126		Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
				Ammonia	Lead	TVS	TVS
		TVS	TVS	Boron	Lead(T)	50	---
		---	0.75	Chloride	Manganese	TVS	TVS/WS
		---	250	Chlorine	Mercury(T)	---	0.01
		0.019	0.011	Cyanide	Molybdenum(T)	---	150
		0.005	---	Nitrate	Nickel	TVS	TVS
		10	---	Nitrite	Nickel(T)	---	100
		---	0.05	Phosphorus	Selenium	TVS	TVS
		---	TVS	Sulfate	Silver	TVS	TVS(tr)
		---	WS	Sulfide	Uranium	varies*	varies*
		---	0.002		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		acute	chronic	
Reviewable	Aq Life Cold 1	CS-I	CS-I	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
Temporary Modification(s):		6.5 - 9.0	---	chlorophyll a (mg/m <sup>2</sup> )	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		---	TVS	E. Coli (per 100 mL)	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029		---	126		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	Lead	TVS	TVS
		TVS	TVS	Boron	Lead(T)	50	---
		---	0.75	Chloride	Manganese	TVS	TVS/WS
		---	250	Chlorine	Mercury(T)	---	0.01
		0.019	0.011	Cyanide	Molybdenum(T)	---	150
		0.005	---	Nitrate	Nickel	TVS	TVS
		10	---	Nitrite	Nickel(T)	---	100
		---	0.05	Phosphorus	Selenium	TVS	TVS
		---	TVS	Sulfate	Silver	TVS	TVS(tr)
		---	WS	Sulfide	Uranium	varies*	varies*
		---	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

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 Fryingpan 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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			Inorganic (mg/L)		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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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 <sup>A</sup>
	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 <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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 Frypan 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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2029		<b>Inorganic (mg/L)</b>		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.		acute	chronic	Iron(T) ---	1000
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead TVS TVS
*Temperature =		Boron	---	0.75	Lead(T) 50 ---
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	Nickel(T) --- 100
		Phosphorus	---	TVS*	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III --- TVS
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
		<b>Inorganic (mg/L)</b>		Copper	TVS TVS
				Iron	--- WS
		acute	chronic	Iron(T) ---	1000
		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Lead(T) 50 ---
		Chloride	---	250	Manganese TVS TVS/WS
		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	---	0.05	Nickel(T) --- 100
		Phosphorus	---	TVS	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	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 <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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	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 <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					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 (39.316522, -107.305749). Mainstem of Middle Thompson Creek, including all tributaries and wetlands, from the source to the confluence with 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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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		DM	MWAT	acute	chronic
OW	Agriculture				
	Aq Life Cold 1	varies*	varies*	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	0.02
<b>Qualifiers:</b>  <b>Other:</b>  *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	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS
		D.O. (spawning)	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	Chromium III	TVS
		chlorophyll a (ug/L)	TVS	Chromium III(T)	50
		E. Coli (per 100 mL)	126	Chromium VI	TVS
				Copper	TVS
		Inorganic (mg/L)		Iron	WS
		acute	chronic	Iron(T)	1000
		Ammonia	TVS	Lead	TVS
		Boron	0.75	Lead(T)	50
		Chloride	250	Manganese	TVS/WS
		Chlorine	0.019	Mercury(T)	0.01
		Cyanide	0.005	Molybdenum(T)	150
		Nitrate	10	Nickel	TVS
		Nitrite	0.05	Nickel(T)	100
		Nitrogen	TVS	Selenium	TVS
		Phosphorus	TVS	Silver	TVS(tr)
		Sulfate	WS	Uranium	varies*
		Sulfide	0.002	Zinc	TVS
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		DM	MWAT	acute	chronic
Reviewable	Agriculture				
	Aq Life Cold 1	varies*	varies* <sup>B</sup>	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	0.02
<b>Qualifiers:</b>  <b>Other:</b>  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Classification: DUWS applies to Leonard Thomas Reservoir and Wildcat Reservoir. *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	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS
	DUWS*	D.O. (spawning)	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	Chromium III	TVS
		chlorophyll a (ug/L)	DUWS	Chromium III(T)	50
		chlorophyll a (ug/L)	TVS	Chromium VI	TVS
		E. Coli (per 100 mL)	126	Copper	TVS
		Inorganic (mg/L)		Iron	WS
		acute	chronic	Iron(T)	1000
		Ammonia	TVS	Lead	TVS
		Boron	0.75	Lead(T)	50
		Chloride	250	Manganese	TVS/WS
		Chlorine	0.019	Mercury(T)	0.01
		Cyanide	0.005	Molybdenum(T)	150
		Nitrate	10	Nickel	TVS
		Nitrite	0.05	Nickel(T)	100
		Nitrogen	TVS	Selenium	TVS
		Phosphorus	TVS	Silver	TVS(tr)
		Sulfate	WS	Uranium	varies*
		Sulfide	0.002	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

## 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:  *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/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	---	0.05	Nickel(T)	---	100	
		Phosphorus	---	TVS	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	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:  *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/m²)	---	TVS	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	---	0.05	Nickel(T)	---	100	
		Phosphorus	---	TVS	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

## 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	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:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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.	pH	6.5 - 9.0	---	Chromium III	--- TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50 ---
		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	Nickel	TVS TVS
		Phosphorus	---	TVS*	Nickel(T)	--- 100
		Sulfate	---	WS	Selenium	TVS TVS
		Sulfide	---	0.002	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.

COUCNP04A	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:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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 <sup>2</sup> )	---	TVS	Chromium III(T)	50 ---
		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	Nickel	TVS TVS
		Phosphorus	---	TVS	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

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 <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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:  Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *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/m²)	---	TVS	Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
					Copper	TVS	TVS		
		Inorganic (mg/L)			Iron	---	WS		
					Iron(T)	---	1000		
					Lead	TVS	TVS		
		Ammonia			TVS	TVS			
		Boron			---	0.75	Lead(T)	50	---
		Chloride			---	250	Manganese	TVS	TVS/WS
		Chlorine			0.019	0.011	Mercury(T)	---	0.01
		Cyanide			0.005	---	Molybdenum(T)	---	150
		Nitrate			10	---	Nickel	TVS	TVS
		Nitrite			---	0.05	Nickel(T)	---	100
		Phosphorus			---	TVS	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

## 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
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/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
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/m²)	---	---	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:  *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/m²)	---	---	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	---
		acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	630	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	---	0.05	Zinc	TVS	TVS
		Phosphorus	---	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	---
		acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	---	0.05	Zinc	TVS	TVS
		Phosphorus	---	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	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
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 (ug/L)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Temperature =					Copper	TVS	TVS
DM and MWAT=CL,CLL from 1/1-3/31		Inorganic (mg/L)			Iron	---	WS
Blue Lake, Lower Big Twin Lake, Katherine Lake		acute	chronic	Iron(T)	---	1000	
DM=CL and MWAT=16.6 from 4/1-12/31		Ammonia	TVS	TVS	Lead	TVS	TVS
All others		Boron	---	0.75	Lead(T)	50	---
DM and MWAT=CL,CLL from 4/1-12/31		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	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	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies* B	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 (ug/L)	---	TVS	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Temperature =					Copper	TVS	TVS
See 33.6(4) for temperature standards.		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	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	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

## 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. Walton Creek, including all tributaries and wetlands, from the source to below the confluence with Beaver Creek. Soda Creek, including all tributaries and wetlands, from the source to the National Forest boundary (40.541953, -106.790266). North Fork Elk River, including all tributaries and wetlands, from the Mount Zirkel Wilderness boundary to above the confluence with Lost Dog Creek. Middle Fork Elk River, including all tributaries and wetlands, from the Mount Zirkel Wilderness boundary to the confluence with the North Fork Elk River. South Fork Elk River, including all tributaries and wetlands, from the Mount Zirkel Wilderness boundary to the confluence with the Elk River.

COUCYA01	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		<b>Inorganic (mg/L)</b>			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

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	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		<b>Inorganic (mg/L)</b>			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	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

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	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply			Cadmium	TVS	TVS
Qualifiers:				Cadmium(T)	5.0	---
Other:				Chromium III	---	TVS
Temporary Modification(s):				Chromium III(T)	50	---
Arsenic(chronic) = hybrid				Chromium VI	TVS	TVS
Expiration Date of 12/31/2029				Copper	TVS	TVS
temperature(MWAT) = current conditions*				Iron	---	WS
Expiration Date of 12/31/2027				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	---
*Temperature =				Manganese	TVS	TVS/WS
See 33.6(4) for temperature standards.				Mercury(T)	---	0.01
*TempMod: temperature = applies from 7/1-9/30.				Molybdenum(T)	---	150
Adopted 6/10/2019				Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS/TVS(sc)
		Inorganic (mg/L)				
		acute	chronic			
		Ammonia	TVS			
		Boron	---			
		Chloride	---			
		Chlorine	0.019			
		Cyanide	0.005			
		Nitrate	10			
		Nitrite	---			
		Phosphorus	---			
		Sulfate	---			
		Sulfide	---			

  

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	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply			Cadmium	TVS	TVS
Qualifiers:				Cadmium(T)	5.0	---
Other:				Chromium III	---	TVS
Temporary Modification(s):				Chromium III(T)	50	---
Arsenic(chronic) = hybrid				Chromium VI	TVS	TVS
Expiration Date of 12/31/2029				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/TVS(sc)
		Inorganic (mg/L)				
		acute	chronic			
		Ammonia	TVS			
		Boron	---			
		Chloride	---			
		Chlorine	0.019			
		Cyanide	0.005			
		Nitrate	10			
		Nitrite	---			
		Phosphorus	---			
		Sulfate	---			
		Sulfide	---			

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 <sup>A</sup>
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	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.		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS*	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel	TVS	TVS
		Phosphorus	---	TVS	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	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
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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
Discharger Specific Variance(s):		Inorganic (mg/L)			Iron	---	WS
Nitrate(acute) = See Section 33.6(6) for details on the variance for the Town of Oak Creek.		acute	chronic	Iron(T)	---	1000	
Expiration Date of 6/30/2026		Ammonia	TVS	TVS	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Boron	---	0.75	Lead(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	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

## 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		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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS*	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
<b>Qualifiers:</b>			acute	chronic			
<b>Other:</b>							
		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

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		DM	MWAT	acute	chronic	
Reviewable	Agriculture	CS-I	CS-I	340	---	Arsenic
	Aq Life Cold 1	acute	chronic	---	0.02	Arsenic(T)
	Water Supply	---	6.0	TVS	TVS	Cadmium
	Recreation N	---	7.0	5.0	---	Cadmium(T)
Qualifiers:		6.5 - 9.0	---	---	TVS	Chromium III
Other:		---	---	50	---	Chromium III(T)
Temporary Modification(s):		---	630	TVS	TVS	Chromium VI
Arsenic(chronic) = hybrid		Inorganic (mg/L)		TVS	TVS	Copper
Expiration Date of 12/31/2029		acute	chronic	---	WS	Iron
*Uranium(acute) = See 33.5(3) for details.		TVS	TVS	---	1000	Iron(T)
*Uranium(chronic) = See 33.5(3) for details.		---	0.75	TVS	TVS	Lead
		---	250	50	---	Lead(T)
		0.019	0.011	TVS	TVS/WS	Manganese
		0.005	---	---	200	Manganese(T)
		10	---	---	0.01	Mercury(T)
		---	0.05	---	150	Molybdenum(T)
		---	TVS	TVS	TVS	Nickel
		---	WS	---	100	Nickel(T)
		---	0.002	TVS	TVS	Selenium
				TVS	TVS(tr)	Silver
				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

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	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation N	acute		chronic	Arsenic(T)	---	100	
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	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	---	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	630	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
					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	---	0.05	Uranium	varies*	varies*	
		Phosphorus	---	TVS	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	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 <sup>2</sup> )	---		TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---		126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029						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	Nickel(T)	---	100
		Phosphorus	---		TVS	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

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

COUCYA13B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 7.6	
<b>Qualifiers:</b>		D.O. (mg/L)	---	6.0	Cadmium TVS TVS
<b>Other:</b>		D.O. (spawning)	---	7.0	Chromium III TVS TVS
*Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations for Foidel Creek and Middle Creek. *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(T) --- 100
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium VI TVS TVS
		E. Coli (per 100 mL)	---	126	Copper TVS TVS
		Inorganic (mg/L)		Iron(T) --- varies*	Iron(T) --- 1000
		acute	chronic	Lead TVS TVS	Manganese TVS TVS
		Ammonia	TVS	TVS	Mercury(T) --- 0.01
		Boron	---	0.75	Molybdenum(T) --- 150
		Chloride	---	---	Nickel TVS TVS
		Chlorine	0.019	0.011	Selenium TVS TVS
		Cyanide	0.005	---	Silver TVS TVS
		Nitrate	100	---	Uranium varies* varies*
		Nitrite	---	0.05	Zinc TVS TVS
		Phosphorus	---	TVS	
		Sulfate	---	---	
		Sulfide	---	0.002	

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

COUCYA13C	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS TVS
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
		Inorganic (mg/L)		Copper TVS TVS	Iron --- WS
		acute	chronic	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	Selenium TVS TVS
		Phosphorus	---	TVS	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

## 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
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
*Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic	Iron(T)	---	varies*
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	---	0.05	Silver	TVS
		Phosphorus	---	TVS	Uranium	varies*
		Sulfate	---	---	Zinc	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 <sup>A</sup>
	Recreation N	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III	---
Temporary Modification(s): Selenium(chronic) = current conditions* Expiration Date of 12/31/2023  *Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations for Sage Creek. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Selenium = Adopted 6/9/2014		E. Coli (per 100 mL)	---	630	Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.05	Mercury(T)	---
		Phosphorus	---	TVS	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					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

## Yampa River Basin

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
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 <sup>2</sup> )	---	TVS	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2029					Copper TVS TVS
		Inorganic (mg/L)		Iron ---	WS
		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 =		Chloride	---	250	Manganese TVS TVS/WS
See 33.6(4) for temperature standards.		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	---	0.05	Nickel(T) --- 100
		Phosphorus	---	TVS	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 <sup>2</sup> )	---	TVS	Chromium III(T) --- 100
Selenium(chronic) = current conditions*		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2023					Copper TVS TVS
		Inorganic (mg/L)		Iron(T) ---	1000
		acute	chronic	Lead	TVS TVS
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Manganese TVS TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Mercury(T) --- 0.01
*TempMod: Selenium = Adopted 6/9/2014		Chloride	---	---	Molybdenum(T) --- 150
		Chlorine	0.019	0.011	Nickel TVS TVS
		Cyanide	0.005	---	Selenium TVS TVS
		Nitrate	100	---	Silver TVS TVS
		Nitrite	---	0.05	Uranium varies* varies*
		Phosphorus	---	TVS	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

## Yampa River Basin

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	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:  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	---	100
		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	Silver	TVS	TVS
		Phosphorus	---	TVS	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	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:  Temporary Modification(s): Selenium(chronic) = current conditions* Expiration Date of 12/31/2023  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Selenium = Adopted 6/9/2014		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		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	Silver	TVS	TVS
		Phosphorus	---	TVS	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	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:	Temporary Modification(s): Selenium(chronic) = current conditions* Expiration Date of 12/31/2023  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Selenium = Adopted 6/9/2014	pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		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	Silver	TVS	TVS
		Phosphorus	---	TVS	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.

# REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

## Yampa River Basin

13j. Mainstem of Grassy Creek (near Hayden), including all tributaries and wetlands, from above the confluence with 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:  Temporary Modification(s): Selenium(chronic) = current conditions* Expiration Date of 12/31/2023  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Selenium = Adopted 12/11/2017		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		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	Silver	TVS	TVS
		Phosphorus	---	TVS	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	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:  *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/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
<b>Qualifiers:</b>		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<b>Other:</b>  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III	---	TVS
		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	Molybdenum(T)	---	150
		Phosphorus	---	TVS	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	
<b>Qualifiers:</b>		acute	chronic				
<b>Other:</b>							
		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	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 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

19a. All tributaries to the South Fork Little Snake River, including all wetlands, which are on National Forest lands in Routt County.								
COUCYA19A	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:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS/TVS(sc)		
		19b. Middle Fork Little Snake River, including all tributaries and wetlands, which are on National Forest lands in Routt County.						
		COUCYA19b	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:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2029  *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	chlorophyll a (mg/m²)	---	TVS	Chromium III(T)	50	---	
		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	Nickel(T)	---	100	
		Phosphorus	---	TVS	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS/TVS(sc)		

19b. Middle Fork Little Snake River, including all tributaries and wetlands, which are on National Forest lands in Routt County.							
COUCYA19b	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT	acute	chronic	
OW	Agriculture						
	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/m²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2029					Copper	TVS	TVS
		Inorganic (mg/L)			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
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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 and 20c.

COUCYA20A	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
<b>Qualifiers:</b>		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<b>Other:</b>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m <sup>2</sup> )	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

## 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	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
		chlorophyll a (mg/m <sup>2</sup> )	---	---	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

20c. First Creek, including all tributaries and wetlands, from the source to the eastern boundary of state lands in California Park (40.731309, -107.141684). Elkhead Creek, including all tributaries and wetlands, from the source to the eastern boundary of state lands in California Park (40.743796, -107.141684).

COUCYA20C	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
		chlorophyll a (ug/L)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Phosphorus	---	TVS	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

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			DM	MWAT		acute	chronic
OW	Agriculture						
	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
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:  *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 (ug/L)	---	TVS	Chromium III(T)	50	---
		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	Nickel(T)	---	100
		Nitrogen	---	TVS	Selenium	TVS	TVS
		Phosphorus	---	TVS	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

## 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	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies* varies* B	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS TVS
	DUWS*	D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Qualifiers:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Other:		chlorophyll a (ug/L)	--- DUWS	Chromium III(T)	50 ---
Temporary Modification(s):		chlorophyll a (ug/L)	--- TVS	Chromium VI	TVS TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Copper	TVS TVS
Expiration Date of 12/31/2029		Inorganic (mg/L)		Iron	--- WS
		acute	chronic	Iron(T)	--- 1000
*Classification: DUWS applies to Stagecoach Reservoir, Steamboat Lake, and Yampa River Holding Pond.		Ammonia	TVS TVS	Lead	TVS TVS
*Nitrogen(chronic) = applies only above the facilities listed at 33.5(4).		Boron	--- 0.75	Lead(T)	50 ---
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Chloride	--- 250	Manganese	TVS TVS/WS
*Uranium(acute) = See 33.5(3) for details.		Chlorine	0.019 0.011	Mercury(T)	--- 0.01
*Uranium(chronic) = See 33.5(3) for details.		Cyanide	0.005 ---	Molybdenum(T)	--- 150
*Temperature = See 33.6(4) for temperature standards.		Nitrate	10 ---	Nickel	TVS TVS
		Nitrite	--- 0.05	Nickel(T)	--- 100
		Nitrogen	--- TVS*	Selenium	TVS TVS
		Phosphorus	--- TVS*	Silver	TVS TVS(tr)
		Sulfate	--- WS	Uranium	varies* varies*
		Sulfide	--- 0.002	Zinc	TVS TVS

23. Elkhead Reservoir					
COUCYA23	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL WL	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 (ug/L)	--- TVS	Chromium III(T)	50 ---
*Uranium(chronic) = See 33.5(3) for details.		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	Nickel	TVS TVS
		Nitrogen	--- TVS	Nickel(T)	--- 100
		Phosphorus	--- TVS	Selenium	TVS TVS
		Sulfate	--- WS	Silver	TVS TVS
		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.

## **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.