

**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 12/31/2023

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		acute	chronic	Temperature °C	CS-I	CS-I	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
		chlorophyll a (mg/m ²)	---	TVS	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					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)			
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		acute	chronic	Temperature °C	CS-I	CS-I	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
		chlorophyll a (mg/m ²)	---	TVS	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					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

Upper Colorado River Basin

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

COUCUC07B		Classifications			Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic					
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---			
	Recreation E		acute	chronic	Arsenic(T)	---	0.02			
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS			
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS			
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50	---			
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS			
Expiration Date of 12/31/2024					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			
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS			
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---			
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS			
Expiration Date of 12/31/2024					Copper	TVS	TVS			
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS			
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Iron(T)	---	1000			
		Ammonia	TVS	TVS	Lead	TVS	TVS			
		Boron	---	0.75	Lead(T)	50	---			
		Chloride	---	250	Manganese	TVS	TVS/WS			
		Chlorine	0.019	0.011	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 Recreation E Water Supply	CS-II	CS-II	Temperature °C	340	---	
Qualifiers:		acute	chronic	D.O. (mg/L)	---	6.0	
Other:				D.O. (spawning)	---	7.0	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *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.		6.5 - 9.0	---	pH	---	TVS	
		---	TVS	chlorophyll a (mg/m ²)	---	126	---
		---	126	E. Coli (per 100 mL)			
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	---
		TVS	TVS	Ammonia	TVS	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*	---
		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 Recreation E	CS-II	CS-II	Temperature °C	340	---	
Qualifiers:		acute	chronic	D.O. (mg/L)	---	7.6	
Other:				D.O. (spawning)	---	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.		6.5 - 9.0	---	pH	---	100	
		---	TVS	chlorophyll a (mg/m ²)	---	TVS	TVS
		---	126	E. Coli (per 100 mL)	---	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic	Lead	TVS	TVS	---
		TVS	TVS	Manganese	TVS	TVS	---
		---	0.75	Mercury(T)	---	0.01	---
		---	250	Molybdenum(T)	---	150	---
		0.019	0.011	Nickel	TVS	TVS	---
		0.005	---	Selenium	TVS	TVS	---
		100	---	Silver	TVS	TVS(tr)	---
		---	0.05	Uranium	varies*	varies*	---
		---	TVS*	Zinc	TVS	TVS	---
		---	---	Phosphorus			
		---	---	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

12. Lakes and reservoirs within Arapahoe National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.					
COUCUC12	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	varies*	varies* ^B	Arsenic
		acute	chronic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)
		D.O. (spawning)	---	7.0	---
		pH	6.5 - 9.0	---	0.02
		chlorophyll a (ug/L)	---	DUWS	Cadmium
		chlorophyll a (ug/L)	---	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)
		Inorganic (mg/L)		5.0	---
		acute	chronic	---	Chromium III
		Ammonia	TVS	TVS	---
		Boron	---	0.75	TVS
		Chloride	---	250	TVS/WS
		Chlorine	0.019	0.011	---
		Cyanide	0.005	---	0.01
		Nitrate	10	---	Molybdenum(T)
		Nitrite	---	0.05	---
		Nitrogen	---	TVS*	150
		Phosphorus	---	TVS*	TVS
		Sulfate	---	WS	TVS
		Sulfide	---	0.002	TVS
				---	1000
				TVS	TVS
				50	---
				TVS	TVS/WS
				---	0.01
				---	150
				TVS	TVS
				---	100
				TVS	TVS
				TVS	TVS(tr)
				varies*	varies*
				TVS	TVS

13. All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue River and Eagle River subbasins.					
COUCUC13	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply DUWS*	Temperature °C	varies*	varies* ^B	Arsenic
		acute	chronic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)
		D.O. (spawning)	---	7.0	---
		pH	6.5 - 9.0	---	0.02
		chlorophyll a (ug/L)	---	DUWS	Cadmium
		chlorophyll a (ug/L)	---	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)
		Inorganic (mg/L)		5.0	---
		acute	chronic	---	Chromium III
		Ammonia	TVS	TVS	---
		Boron	---	0.75	TVS
		Chloride	---	250	TVS/WS
		Chlorine	0.019	0.011	---
		Cyanide	0.005	---	0.01
		Nitrate	10	---	Molybdenum(T)
		Nitrite	---	0.05	---
		Nitrogen	---	TVS*	150
		Phosphorus	---	TVS*	TVS
		Sulfate	---	WS	TVS
		Sulfide	---	0.002	TVS
				---	1000
				TVS	TVS
				50	---
				TVS	TVS/WS
				---	0.01
				---	150
				TVS	TVS
				---	100
				TVS	TVS
				TVS	TVS(tr)
				varies*	varies*
				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

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 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
			Inorganic (mg/L)		Copper	TVS	TVS
					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)	---	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	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 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
			Inorganic (mg/L)		Copper	TVS	TVS
					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 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
Qualifiers: Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *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	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 (ug/L)	---	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
		Nitrogen	---	TVS*	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

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

COUCEA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	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
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	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 ²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					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 ²)	---	TVS	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2024					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

10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.						
COUCEA10A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute chronic		
Reviewable		acute	chronic			
		Temperature °C	CS-I	CS-I	Arsenic	340 ---
		D.O. (mg/L)	---	6.0	Arsenic(T)	--- 0.02
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III	--- TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50 ---
Expiration Date of 12/31/2024					Chromium VI	TVS TVS
*Uranium(acute) = See 33.5(3) for details.					Copper	TVS TVS
*Uranium(chronic) = See 33.5(3) for details.					Inorganic (mg/L)	
					acute	chronic
		Ammonia	TVS	TVS	Iron	--- WS
		Boron	---	0.75	Iron(T)	--- 1000
		Chloride	---	250	Lead	TVS TVS
		Chlorine	0.019	0.011	Lead(T)	50 ---
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury(T)	--- 0.01
		Nitrite	---	0.05	Molybdenum(T)	--- 150
		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

10b. Abrams Creek, including all tributaries and wetlands, from the source to the eastern boundary of the United States Bureau of Land Management lands.						
COUCEA10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute chronic		
OW		acute	chronic			
		Temperature °C	CS-I	CS-I	Arsenic	340 ---
		D.O. (mg/L)	---	6.0	Arsenic(T)	--- 0.02
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III	--- TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50 ---
Expiration Date of 12/31/2024					Chromium VI	TVS TVS
*Uranium(acute) = See 33.5(3) for details.					Copper	TVS TVS
*Uranium(chronic) = See 33.5(3) for details.					Inorganic (mg/L)	
					acute	chronic
		Ammonia	TVS	TVS	Iron	--- WS
		Boron	---	0.75	Iron(T)	--- 1000
		Chloride	---	250	Lead	TVS TVS
		Chlorine	0.019	0.011	Lead(T)	50 ---
		Cyanide	0.005	---	Manganese	TVS TVS/WS
		Nitrate	10	---	Mercury(T)	--- 0.01
		Nitrite	---	0.05	Molybdenum(T)	--- 150
		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

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	
Qualifiers: Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *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.	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 ²)	---	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	

5. Mainstem of the Fryingspan River from the source to the confluence with the North Fork Fryingspan 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	
Qualifiers: Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	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 ²)	---	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 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
Qualifiers: Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	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 ²)	---	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/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
Qualifiers: Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	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 ²)	---	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/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 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:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	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:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	---	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 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	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	TVS	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2024		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron	---
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	---	0.05	Nickel	TVS
		Phosphorus	---	TVS	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS
						TVS/TVS(sc)

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

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

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

19. All tributaries to the South Fork Little Snake River and Middle Fork Little Snake River, including all wetlands, which are on National Forest lands in Routt County.							
COUCYA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		---	6.0	D.O. (mg/L)	TVS	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		---	7.0	D.O. (spawning)	5.0	---	
		6.5 - 9.0	---	pH	---	TVS	
		---	TVS	chlorophyll a (mg/m ²)	---	---	---
		---	126	E. Coli (per 100 mL)			
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	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*			
			Zinc	TVS	TVS/TVS(sc)		

20a. All tributaries to the Yampa River, including all wetlands, from above the confluence with the Elk River to below the confluence with Elkhead Creek, which are on National Forest lands, except for specific listings in Segment 20b.							
COUCYA20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	CS-I	CS-I	Arsenic	340	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02	
Other:		---	6.0	D.O. (mg/L)	TVS	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		---	7.0	D.O. (spawning)	5.0	---	
		6.5 - 9.0	---	pH	---	TVS	
		---	TVS	chlorophyll a (mg/m ²)	---	---	---
		---	126	E. Coli (per 100 mL)			
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	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*			
			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	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 12/31/2024		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	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	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	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	Iron(T)	---	1000
		Boron	0.75	Lead	TVS	TVS
		Chloride	250	Lead(T)	50	---
		Chlorine	0.019	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.