COLORADO
Water Quality
Control Commission
Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING
BEFORE THE
COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of revised water quality classifications, standards and designations for multiple segments in the Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34) and Gunnison and Lower Dolores River Basins, Regulation #35 (5 CCR 1002-35).

Proposed revisions and proposed statement of basis and purpose language have been submitted by the following:

- Exhibit 1 – Regulation #34, Water Quality Control Division (division);
- Exhibit 2 – Regulation #35, division;
- Exhibit 3 – Regulation #34, Town of Silverton;
- Exhibit 4 – Regulation #34, Animas River Stakeholders Group;
- Exhibit 5 – Regulation #35, Homestake Mining Company;
- Exhibit 6 – Regulation #35, Ouray Silver Mines Inc.; and
- Exhibit 7 – Regulation #35, Mt. Emmons Mining Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the revisions proposed in Exhibits 1 through 7 and developed in response to those proposals will also be considered.

SCHEDULE OF IMPORTANT DATES

| | | |
|---|---|---|
| Proponent's prehearing statement due | 03/08/2017<br>5 pm | Additional information below. |
| Party status requests due | 03/30/2017<br>5 pm | Additional information below. |
| Responsive prehearing statements due | 04/12/2017<br>5 pm | Additional information below. |
| Rebuttal statements due | 05/17/2017<br>5 pm | Additional information below. |
| Last date for submittal of motions | 05/25/2017<br>5 pm | Additional information below. |
| Notify commission office if participating in prehearing conference by phone | 05/26/2017<br>by noon | Send email to cdphe.wqcc@state.co.us with participant(s) name(s) |

| | | |
|---|---|---|
| **Prehearing Conference** (mandatory for parties) | 05/30/2016 1:00 pm | Florence Sabin Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 |
| Cutoff of negotiations | 05/31/2017 | |
| Division's consolidated proposals | 06/07/2017 | |
| **Rulemaking Hearing** | 06/12/2017 10:00 am | DoubleTree by Hilton Durango 501 Camino Del Rio Durango, CO 81301 |

TRIENNIAL REVIEW PROCESS OVERVIEW:

This rulemaking hearing is the third and final step in a three-step process for triennial review of water quality classifications and standards in Colorado. The first step is an issues scoping hearing which provides an opportunity for early identification of potential issues that may need to be addressed in the next major rulemaking hearing, and for identification of any issues that may need to be addressed prior to that time. The issues scoping hearing for this regulation was held in October 2015. The second step in the triennial review process, the issues formulation hearing, results in the identification of specific issues to be addressed in the next major rulemaking. The issues formulation hearing for this regulation was held in November 2016. The third step is the rulemaking hearing where any revisions to the water quality classifications and standards are formally adopted. Information regarding triennial reviews of water quality classifications and standards is provided on the commission's website.

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Sumbittals may be emailed to cdphe.wqcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

The commission encourages informal discussions among the parties, the division and other interested persons prior to the hearing in an effort to reach consensus or to develop proposed resolutions of issues and/or narrow the issues potentially in dispute. The commission strongly encourages that any multi-party/division proposals for the resolution of issues (including proposed statement of basis and purpose language whenever feasible) be submitted as part of the administrative record as early as possible, but at least by the prehearing conference.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement; all other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

**Attendance at the prehearing conference is mandatory for all persons requesting party status.** Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call 1-857-216-6700 and enter the conference code 425132.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by May 31, 2017.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 9th day of February, 2017 at Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

Digitally signed by Trisha Oeth
DN: cn=Trisha Oeth, o, ou=Water Quality Control Commission, email=trisha.oeth@state.co.us, c=US
Date: 2017.02.09 13:26:22 -07'00'

Trisha Oeth, Administrator

# EXHIBIT 1
# WATER QUALITY CONTROL DIVISION

**DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Water Quality Control Commission**

**REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN RIVER AND DOLORES RIVER BASINS**

**5 CCR 1002-34**

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## 34.1 AUTHORITY

These regulations are promulgated pursuant to section 25-8-101 et seq. C.R.S., as amended, and in particular, 25-8-203 and 25-8-204.

## 34.2 PURPOSE

These regulations establish classifications and numeric standards for the San Juan and the Dolores River Basins, including all tributaries and standing bodies of water south of the northern Dolores County lines, as indicated in section 34.6. The classifications identify the actual beneficial uses of the water. The numeric standards are assigned to determine the allowable concentrations of various parameters. Discharge permits will be issued by the Water Quality Control Division to comply with basic, narrative, and numeric standards and control regulations so that all discharges to waters of the state protect the classified uses. ~~(See Regulation No. 31 section 31.14).~~ It is intended that these and all other stream classifications and numeric standards be used in conjunction with and be an integral part of Regulation No. 31 Basic Standards and Methodologies for Surface Water.

## 34.3 INTRODUCTION

These regulations and tables present the classifications and numeric standards assigned to stream segments listed in the attached tables (See ~~section 34.6(4)~~Appendix 34-1). As additional stream segments are classified and numeric standards for designated parameters are assigned for this drainage system, they will be added to or replace the numeric standards in the tables in ~~section 34.6(4)~~Appendix 34-1. Any additions or revisions of classifications or numeric standards can be accomplished only after public hearing by the Commission and proper consideration of evidence and testimony as specified by the statute and the "basic regulations".

## 34.4 DEFINITIONS

See the Colorado Water Quality Control Act and the codified water quality regulations for definitions.

## 34.5 BASIC STANDARDS

(1) TEMPERATURE

All waters of the San Juan/Dolores River Basin are subject to the following standard for temperature. (Discharges regulated by permits, which are within the permit limitations, shall not be subject to enforcement proceedings under this standard). Temperature shall maintain a

normal pattern of diurnal and seasonal fluctuations with no abrupt changes and shall have no increase in temperature of a magnitude, rate, and duration deemed deleterious to the resident aquatic life. This standard shall not be interpreted or applied in a manner inconsistent with section 25-8-104, C.R.S.

(2) QUALIFIERS

See Basic Standards and Methodologies for Surface Water for a listing of organic standards at 31.11 and metal standards found at 31.16 Table III. The column in the tables headed "Water + Fish" are presumptively applied to all aquatic life class 1 streams which also have a water supply classification, and are applied to aquatic life class 2 streams which also have a water supply classification, on a case-by-case basis as shown in the Appendix 34-1~~Tables 34.6(4)~~. The column in the tables at 31.11 and 31.16 Table III headed "Fish Ingestion" is presumptively applied to all aquatic life class 1 streams which do not have a water supply classification, and are applied to aquatic life class 2 streams which do not have a water supply classification, on a case-by-case basis as shown in Appendix 34-1~~Tables 34.6(4)~~.

(3) URANIUM

(a) All waters of the San Juan/Dolores River Basin~~,~~ are subject to the following basic standard for uranium, unless otherwise specified by a water quality standard applicable to a particular segment. However, discharges of uranium regulated by permits which are within these permit limitations shall not be a basis for enforcement proceedings under this basic standard.

(b) Uranium level in surface waters shall be maintained at the lowest practicable level.

(c) In no case shall uranium levels in waters assigned a water supply classification be increased by any cause attributable to municipal, industrial, or agricultural discharges so as to exceed 16.8-30 µg/l or naturally-occurring concentrations (as determined by the State of Colorado), whichever is greater.

(i) The first number in the 16.8-30 µg~~ug~~/l 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.

(4) INDIAN RESERVATIONS

Some of the waterbodies in the San Juan/Dolores River Basin cross boundaries of Indian Reservations of the Southern Ute and Ute Mountain Ute Tribes. The Commission has included water quality classifications and standards on lands within the boundaries of these reservations in order to avoid a gap in the classifications and standards adopted for the river basins in question. The Southern Ute Indian tribe has not yet been granted authority by EPA to conduct their own water quality program, and EPA has granted the Ute Mountain Ute Indian tribe's application for treatment as a state with respect to adoption of water quality standards. The Commission intends that the classifications and standards that it is adopting apply to the lands in question only to the

extent that the state has jurisdiction and is not attempting to resolve that jurisdictional issue here. Segments within Reservation boundaries are noted in the segment description and last column of Tables 34.6(4).

(5) NUTRIENTS

Prior to May 31, 2022, interim nutrient values will be considered for adoption only in the limited circumstances defined at 31.17(e). These circumstances include headwaters, Direct Use Water Supply (DUWS) Lakes and Reservoirs, and other special circumstances determined by the Commission. Additionally, prior to May 31, 2017, only total phosphorus and chlorophyll *a* will be considered for adoption. After May 31, 2017, total nitrogen will be considered for adoption per the circumstances outlined in 31.17(e).

Prior to May 31, 2022, nutrient criteria will be adopted for headwaters on a segment by segment basis for the San Juan River Basin. Moreover, pursuant to 31.17(e) nutrient standards will only be adopted for waters upstream of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation 85 effluent limits and discharging prior to May 31, 2012. The following is a list of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation 85 effluent limits and discharging prior to May 31, 2012 in the San Juan River Basin:

| Segment | Permittee Name | Facility Name | Permit No. |
|---|---|---|---|
| COSJPN02a | Bayfield Town of | BAYFIELD TOWN OF | CO0048291 |
| COSJAF12a | Grizzly Peak Water Sales & Distribution LLC | CASCADE VILLAGE WWTF | CO0039691 |
| COSJDO04 | Fort Beyhan LLC | DOLORES RIVER RV PARK AND CABINS | COG588071 |
| COSJDO04 | Dolores Town of | DOLORES WWTF | CO0040509 |
| COSJLP010 | Dove Creek Town of | DOVE CREEK WWTF | COG589079 |
| COSJAF05a | Durango City of | DURANGO CITY OF | CO0024082 |
| COSJAF04b | Herrick Durango Land Co LLC | DURANGO NORTH PONDEROSA KOA | COG588020 |
| COSJAF13c | Durango West Metro Dist #2 | DURANGO WEST METRO DIST #2 WWTF | COG589115 |
| COSJAF11b | Durango La Plata County Airport | DURANGO/LA PLATA COUNTY AIRPORT | CO0047457 |
| COSJAF10 | Edgemont Ranch Metro Dist | EDGEMONT RANCH METRO DISTRICT WWTF | CO0040266 |
| COSJPN02a | Five Branches Camper Park | FIVE BRANCHES CAMPER PARK | COG588054 |
| COSJAF10 | Forest Groves Estates | FOREST GROVES ESTATES WWTP | COG588030 |
| COSJPN02a | Forest Lake Metro Dist | FOREST LAKES METRO DISTRICT | CO0048160 |
| COSJAF05a | Hermosa Sanitation District | HERMOSA SANITATION DISTRICT | COG588010 |
| COSJSJ06a | High Country Lodge LLC | HIGH COUNTRY LODGE | COG588002 |
| COSJPN02a | Pine River Camp LLC | KANAKUK COLORADO YOUTH CAMP | COG588059 |
| COSJLP08 | Elegant Hills Park and Estates LLC | LAKESIDE WWTF | COG589098 |
| COSJLP09 | Lee Mobile Home Park | LEE MOBILE HOME PARK | COG589070 |
| COSJAF14b | MacArthur Apartments LLC | LIGHTNER CREEK CAMPGROUND | CO0026468 |
| COSJLP05 | Mancos Town of | MANCOS TOWN OF | CO0021687 |
| COSJAF13d | Narrow Gauge MHP | NARROW GAUGE MHP | COG589077 |
| COSJSJ06b~~a~~ | Pagosa Springs Sanitation District | PAGOSA SPRINGS SAN DISTRICT WWTF | CO0022845 |
| COSJAF12a | Purgatory Metropolitan District | PURGATORY METROPOLITAN DIST | COG589010 |
| COSJSJ05 | San Juan River Village Metro | SAN JUAN RIVER VILLAGE METRO WWTF | COG588013 |
| COSJAF03b | Silverton Town of | SILVERTON TOWN OF WWTF | CO0020311 |

| | | | |
|---|---|---|---|
| COSJAF05a | South Durango Sanitation District | SOUTH DURANGO SD WWTF | COG588057 |
| COSJLP07a | Cortez Sanitation District | SOUTHWEST WWTF | CO0027545 |
| COSJLP05a | Upper Valley Sanitation | UPPER VALLEY SANITATION DIST. | CO0047147 |
| COSJPN04a | Lipslea Enterprises LLC | VALLECITO RESORT | COG588026 |
| COSJLP07a | Vista Verde Village LLC | VISTA VERDE VILLAGE | CO0037702 |
| COSJPI06d~~a~~ | Pagosa Area Water and San Dist | VISTA WWTF | CO0031755 |

Prior to May 31, 2022:

- For segments located entirely above these facilities, nutrient standards apply to the entire segment.
- For segments with portions downstream of these facilities, *nutrient standards only apply above these facilities*. A note was added to the total phosphorus and chlorophyll *a* standards in these segments. The note references the table of qualified facilities at 34.5(5).
- For segments located entirely below these facilities, nutrient standards do not apply.

A note was added to the total phosphorus and chlorophyll a standards in lakes segments as nutrients standards apply only to lakes and reservoirs larger than 25 acres surface area.

## 34.6 TABLES

(1) Introduction

The numeric standards for various parameters in this regulation and in the tables in Appendix 34-1 were assigned by the Commission after a careful analysis of the data presented on actual stream conditions and on actual and potential water uses.

Numeric standards are not assigned for all parameters listed in the tables attached to Regulation No. 31. If additional numeric standards are found to be needed during future periodic reviews, they can be assigned by following the proper hearing procedures.

(2) Abbreviations**:**

(a) The following abbreviations are used in this regulation and ~~in~~ the tables in Appendix 34-1:

| | | |
|---|---|---|
| $^{o}$C | = | degrees Celsius |
| ch | = | chronic (30-day) |
| Cl | = | chloride |
| 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 |
| DUWS | = | direct use water supply |
| D.O. | = | dissolved oxygen |
| DM | = | daily maximum temperature |
| E.coli | = | E~~e~~scherichia coli |
| mg/l | = | milligrams per liter |
| MWAT | = | maximum weekly average temperature |
| OW | = | outstanding waters |
| sc | = | sculpin |
| sp | = | spawning |
| SSE | = | site-specific equation |

| | | |
|---|---|---|
| t | = | total |
| T | = | total recoverable |
| tr | = | trout |
| TVS | = | table value standard |
| µg/l | = | micrograms per liter |
| UP | = | use-protected |
| WAT | = | weekly average temperature |
| WS | = | water supply |
| WS-II | = | warm stream temperature tier two |
| WS-III | = | warm stream temperature tier three |
| WL | = | warm lake temperature tier |

(b) In addition, the following abbreviations are used:

| | | |
|---|---|---|
| Fe(ch) | = | WS |
| Mn(ch) | = | WS |
| $SO_4$ | = | WS |

These abbreviations mean: For all surface waters with an actual water supply use, the less restrictive of the following two options shall apply as numerical standards, as specified in the Basic Standards and Methodologies at 31.16 Table II and III:

(i) existing quality as of January 1, 2000; or

(ii)

| | | |
|---|---|---|
| Iron | = | 300 µg/l (dissolved) |
| Manganese | = | 50µg/l (dissolved) |
| $SO_4$ | = | 250 mg/l |

For all surface waters with a "water supply" classification that are not in actual use as a water supply, no water supply standards are applied for iron, manganese or sulfate, unless the Commission determines as the result of a site-specific rulemaking hearing that such standards are appropriate.

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

(i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.

(ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/2021.

(iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/2021.

(A) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.

(B) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.

(C) 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.

(3) Table Value Standards

In certain instances in the tables in Appendix 34-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS

(Concentrations in ug/l unless noted)

| PARAMETER[1] | TABLE VALUE STANDARDS[2][3] |
|---|---|
| Aluminum (Trec) | Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$<br>pH equal to or greater than 7.0<br>Chronic=$e^{(1.3695[\ln(\text{hardness})]-0.1158)}$<br>pH less than 7.0<br>Chronic= $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is less |
| Ammonia[4] | Cold Water = (mg/l as N) Total<br>$acute = \frac{0.275}{1+10^{7.204-pH}} + \frac{39.0}{1+10^{pH-7.204}}$<br>$chronic = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * MIN\left(2.85, 1.45*10^{0.028(25-T)}\right)$<br>Warm Water = (mg/l as N) Total<br>$acute = \frac{0.411}{1+10^{7.204-pH}} + \frac{58.4}{1+10^{pH-7.204}}$<br>$chronic\ (Apr1-Aug31) = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * MIN\left(2.85, 1.45*10^{0.028(25-T)}\right)$<br>$chronic\ (Sep1-Mar31) = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * 1.45*10^{0.028*(25-MAX(T,\ 7))}$ |
| ~~$NH_3$ = old TVS~~ | ~~Cold Water Acute = 0.43/FT/FPH/2[(4 old)] in mg/l (N)~~<br>~~Warm Water Acute = 0.62/FT/FPH/2[(4 old)] in mg/ (N)~~ |

| | |
|---|---|
| Cadmium | Acute = $(1.136672-[\ln(\text{hardness})\times(0.041838)])\times e^{0.9151[\ln(\text{hardness})]-3.1485}$<br>Acute(Trout) = $(1.136672-[\ln(\text{hardness})\times(0.041838)])\times e^{0.9151[\ln(\text{hardness})]-3.6236}$<br>Chronic = $(1.101672-[\ln(\text{hardness})\times(0.041838)]e^{0.7998[\ln(\text{hardness})]-4.4451}$ |
| Chromium III[5] | Acute = $e^{(0.819[\ln(\text{hardness})]+2.5736)}$<br>Chronic= $e^{(0.819[\ln(\text{hardness})]+0.5340)}$ |
| Chromium VI[5] | Acute = 16<br>Chronic = 11 |
| Copper | Acute = $e^{(0.9422[\ln(\text{hardness})]-1.7408)}$<br>Chronic = $e^{(0.8545[\ln(\text{hardness})]-1.7428)}$ |
| Lead | Acute = $(1.46203-[\ln(\text{hardness})*(0.145712)])*e^{(1.273[\ln(\text{hardness})]-1.46)}$<br>Chronic = $(1.46203-[\ln(\text{hardness})*(0.145712)])*e^{(1.273[\ln(\text{hardness})]-4.705)}$ |
| Manganese | Acute = $e^{(0.3331[\ln(\text{hardness})]+6.4676)}$<br>Chronic = $e^{(0.3331\ [\ln(\text{hardness})]+5.8743)}$ |
| Nickel | Acute = $e^{(0.846[\ln(\text{hardness})]+2.253)}$<br>Chronic = $e^{(0.846[\ln(\text{hardness})]+0.0554)}$ |
| Selenium[6] | Acute = 18.4<br>Chronic = 4.6 |
| Silver | Acute = ½$e^{(1.72[\ln(\text{hardness})]-6.52)}$<br>Chronic = $e^{(1.72[\ln(\text{hardness})]-9.06)}$<br>Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})]-10.51)}$ |

Temperature

| TEMPERATURE TIER | TIER CODE | SPECIES EXPECTED TO BE PRESENT | APPLICABLE MONTHS | TEMPERATURE STANDARD ($^{O}$C) | |
|---|---|---|---|---|---|
| | | | | MWAT | DM |

| | | | | | | |
|---|---|---|---|---|---|---|
| Cold Stream Tier 1 | CS-I | brook trout, cutthroat trout | June – Sept. | 17.0 | 21.7 |
| | | | Oct. – May | 9.0 | 13.0 |
| Cold Stream Tier 2 | CS-II | all other cold-water species | April – Oct. | 18.3 | ~~23.9~~24.3 |
| | | | Nov. – March | 9.0 | 13.0 |
| Cold Lakes(7) | CL | brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon | April – Dec. | 17.0 | 21.2 |
| | | | Jan. – March | 9.0 | 13.0 |
| Cold Large Lakes (>100 acres surface area)(7) | CLL | rainbow trout, brown trout, lake trout | April – Dec. | 18.3 | ~~23.8~~24.2 |
| | | | Jan. – March | 9.0 | 13.0 |
| Warm Stream Tier 2 | WS-II | brook stickleback, central stoneroller, creek chub, longnose dace, Northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker | March – Nov. | 27.5 | 28.6 |
| | | | Dec. – Feb. | 13.8 | ~~14.3~~25.2 |
| Warm Stream Tier 3 | WS-III | all other warm-water species | March – Nov. | 28.7 | 31.8 |
| | | | Dec. – Feb. | 14.3 | ~~15.9~~24.9 |
| Warm Lakes | WL | black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, Northern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch | April – Dec. | 26.2~~3~~ | 29.3~~5~~ |
| | | | Jan. – March | 13.1~~2~~ | ~~14.8~~24.1 |

| | |
|---|---|
| Uranium | Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$<br>Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$ |
| Zinc | Acute = $0.978 * e^{(0.9094[\ln(\text{hardness})]+0.9095)}$<br>Chronic = $0.986 * e^{(0.9094[\ln(\text{hardness})]+0.6235)}$<br>if hardness less than 102 mg/l $CaCO_3$<br>Chronic (sculpin) = $e^{(2.140[\ln(\text{hardness})]-5.084)}$ |

TABLE VALUE STANDARDS - FOOTNOTES

(1) Metals are stated as dissolved unless otherwise specified.

(2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based

on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.

(3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.

~~(4 old) FT = $10^{0.03(20-TCAP)}$;~~

~~Where TCAP is ≤ T ≤ 30~~

~~FT = $10^{0.03(20-T)}$;~~

~~Where 0 is ≤ T ≤ TCAP~~

~~TCAP = $20^{o}$ C cold water aquatic life species present~~

~~TCAP = $25^{o}$ C cold water aquatic life species absent~~

~~FPH = 1; Where 8 <pH ≤9~~

~~FPH = $\frac{1 + 10^{(7.4-pH)}}{1.25}$; Where 6.5 ≤ pH ≤ 8~~

~~FPH means the acute pH adjustment factor, defined by the above formulas.~~

~~FT means the acute temperature adjustment factor, defined by the above formulas.~~

~~T means temperature measured in degrees celsius.~~

~~TCAP means temperature CAP; the maximum temperature which affects the toxicity of ammonia to salmonid and non-salmonid fish groups.~~

~~NOTE: If the calculated acute value is less than the calculated chronic value, then the calculated chronic value shall be used as the acute standard.~~

(4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the Commission on a site-specific basis where appropriate evidence is submitted.

(5) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 ug/l total chromium in those waters classified for domestic water use.

(6) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

(7) Lake trout-based summer temperature criteria [16.6 (ch), 22.4 (ac)] apply where appropriate and necessary to protect lake trout from thermal impacts.

~~(7) *E.coli* criteria and resulting standards for individual water segments, are established as indicators of the potential presence of pathogenic organisms. Standards for *E. coli* are expressed as a two-month geometric mean. Site-specific or seasonal standards are also two-month geometric means unless otherwise specified.~~

~~(8) All phosphorus standards are based upon the concentration of total phosphorus.~~

~~(9) The pH standards of 6.5 (or 5.0) and 9.0 are an instantaneous minimum and maximum, respectively to be applied as effluent limits. In determining instream attainment of water quality standards for pH, appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.~~

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(4) Discharger Specific Variances

(a) Animas and Florida River Segment 13b

Discharger Specific Variance, Durango West Metro Dist.#2 (COG589115): The first number is the underlying standard previously adopted by the Commission for the segment and represents the long-term goal for the waterbody. The first number will be used for assessing attainment for the waterbody and for the development of effluent limitations. The second number is the Commission's determination of the effluent concentration with the highest degree of protection of the classified use that is feasible for Durango West Metro District. Control requirements, such as discharge permit effluent limitations, shall be established using the first number 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 during the term of the DSV for the named dischargers.

(5) Stream Classifications and Water Quality Standards Tables

The stream classifications and water quality standards tables in Appendix 34-1 are incorporated herein by reference.

The following is information regarding duration and measured form of standards in Appendix 34-1:

(a) *E.coli* criteria and resulting standards for individual water segments, are established as indicators of the potential presence of pathogenic organisms. Standards for *E. coli* are expressed as a two-month geometric mean. Site-specific or seasonal standards are also two-month geometric means unless otherwise specified.

(b) All phosphorus standards are based upon the concentration of total phosphorus. For total phosphorus, stream standards are expressed as an annual median and for lakes standards as a summer (July 1 - September 30) average in the mixed layer. For chlorophyll a, stream standards are expressed as a maximum of attached algae and lakes standards as a summer (July 1 - September 30) average in the mixed layer. For additional assessment details, see tables at Regulation 31.17(b) and (d).

(c) The pH standards of 6.5 (or 5.0) and 9.0 are an instantaneous minimum and maximum, respectively to be applied as effluent limits. In determining instream attainment of water

quality standards for pH, appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

**34.7-34.14 RESERVED**

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**34.48 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE:**

A. **Water Body Segmentation**

Some segments were renumbered, combined, or new segments were created to facilitate appropriate organization of water bodies in this regulation. Renumbering and/or creation of new segments was made based on information that showed: a) the original reason for segmentation no longer applied; b) significant differences in uses, water quality and/or physical characteristics warrant a change in standards on only a portion of the existing segment; and/or c) certain segments could be merged into one segment because they had similar water quality and uses. The following changes were made:

Los Pinos Segments 2b, 2c and 2d: Segment 2b was split into 2b, 2c, and 2d to facilitate adoption of changes to temperature standards and use classifications. All of the water bodies previously included in Segment 4b were moved either to Segment 2c (Beaver Creek) or Segment 2d (Ute Creek and Spring Creek).

Los Pinos Segments 4a and 4b: Segment 4a was split into Segment 4a and 4b to facilitate a change from CS-I to CS-II on some of the water bodies previously included in Segment 4a. All of the water bodies previously included in Segment 4b were moved either to Segment 2c (Beaver Creek) or Segment 2d (Ute Creek and Spring Creek).

Los Pinos Segment 6: Los Pinos Segment 6 was revised to exclude Segment 4b. The Segment number was revised from 6a to 6, since the number for 6b was no longer needed.

Los Pinos Segment 7a: Los Pinos Segment 6b was changed to 7a and the segment description was revised to exclude Segments 2b, 2c and 2d. This change was to facilitate adoption of water supply standards and a change in the aquatic life use classification and temperature standards.

Los Pinos Segment 7b: The segment description for Segment 7b was revised to include only Trail Canyon and its tributaries. Other tributaries formerly included in Los Pinos Segment 7b were moved to San Juan Segment 11b (direct tributaries to Navajo Reservoir), as it is a more appropriate sub-basin for the geographic location of these tributaries.

Animas Florida Segment 4b: Segment 4b was split into Segments 4b and 4c to facilitate a change from CS-I to CS-II on the mainstem of the Animas River below Lime Creek.

Animas Florida Segments 5a through 5e: Segments 5a and 5b were divided into Segments 5a to 5e to facilitate adoption of site-specific temperature standards on the mainstem of the Animas River.

Animas and Florida Segment 11c: All tributaries to the Florida River formerly in Segment 13c were moved to Segment 11c to facilitate adoption of temperature standards.

Animas Florida Segment 13c: The unnamed tributary to Coal Gulch was moved to Segment 13c to facilitate a change in the water supply use classification and standards. All water bodies formerly included in Segment 13c were moved to the new Segment 13e, 13f or 11c to facilitate changes to temperature standards.

Animas Florida Segment 13e and 13f: Tributaries to the Animas River were moved to the new Segment 13e (above Basin Creek) and 13f (Basin Creek to New Mexico Border) to facilitate a change in temperature standards.

Animas Florida Segment 14b: The segment description of Segment 14b was revised to include all tributaries to Lightner Creek below Deep Creek. These tributaries were moved from Segment 13b in order to facilitate changing the temperature standard from CS-I to CS-II.

Dolores River Segments 5a and 5c: Beaver Creek and Plateau Creek were moved from Segment 5a to a new Segment 5c to facilitate a change in the use classifications and temperature standards.

Dolores River Segments 10a and 10b: Segment 10 was split into Segments 10a and 10b to change the temperature standards on the West Dolores River below Fish Creek from CS-I to CS-II.

Dolores River Segments 11a, 11b and 11c: Segment 11 was spit into Segments 11a, 11b and 11c to facilitate changes to the aquatic life use classifications and temperature standards on tributaries to the Dolores River.

La Plata Segment 2b, 2c and 2d: The mainstem of the La Plata River from the Southern Ute Indian Reservation to the Colorado/New Mexico border was split into Segments 2b, 2c and 2d to facilitate changes to use classifications and temperature standards.

La Plata Segment 3a and 3e: East Alkali Gulch and Hay Gulch were moved from Segment 3a to Segment 3e to facilitate changes to the water supply and aquatic life use classifications and standards.

La Plata Segments 3c and 3d: East Cherry Creek moved from Segment 3c to a new Segment 3d to facilitate changing the temperature standard from CS-II to CS-I.

La Plata Segments 5, 6a, 7b, 8, 10 and 17: Segments 5, 6a, 7b, 8, 10 and 17 were revised and/or renumbered to facilitate the exclusion of water bodies inside the Ute Mountain Ute Indian Reservation. Former Segments 5b, 6b, 7b, 8b, 9, 10b, 20, 21 and 22 were deleted entirely, as these contained water bodies entirely within the Ute Mountain Ute Indian Reservation.

La Plata Segment 6b: The East Fork of Muddy Creek and East Canyon were moved to a new Segment 6b to facilitate a change in the water supply use classification and standards.

La Plata Segment 7b: A portion of the mainstem of McElmo Creek moved to a new Segment 7b to facilitate a change in the water supply use classification and standards.

Piedra Segment 4b and 4c: Segment 4b was split into Segments 4b and 4c to facilitate changes to the aquatic life use classifications and standards.

Piedra Segment 5a and 4b: Segment 5 was split into Segments 5a and 5b to facilitate changing the temperature standard from CS-I to CS-II on some of the tributaries to the Piedra River.

Piedra Segment 6a: The segment description for Segment 6a was revised to include Sambrito Creek, in order to to facilitate a change in the water supply and aquatic life use classifications and standards.

Piedra Segment 6c: Stollsteimer Creek was moved from Segment 6b to facilitate a change in the aquatic life use classification and standards.

Piedra Segment 6d: Steven's Draw was moved from Segment 6a to a new Segment 6d to facilitate a change in the water supply use classification and standards.

San Juan Segments 6a: The segment description for Segment 6a was revised in order to facilitate changing the temperature standard on the mainstem of the San Juan River from CS-I to CS-II for the portion between the West Fork and Fourmile Creek.

San Juan Segments 6b through 6e: The segment description for 6b was revised and new Segments 6c, 6d, and 6e were created to facilitate changes to temperature standards on the mainstem of the San Juan River below Pagosa Springs.

San Juan Segment 11c: A new Segment 11c was created to facilitate changes to the aquatic life use classifications and standards for McCabe Creek.

Segment descriptions were also edited to improve clarity, correct typographical errors, and correct spelling errors. These changes are listed in Section P:

## B. Aquatic Life Use Classifications and Standards

The commission reviewed information regarding the existing aquatic communities. For segments lacking an Aquatic Life use classification, a use was added where biological information demonstrated that these waters are capable of sustaining aquatic biota. Additionally, Class 2 segments with high MMI scores or a wide variety of fish species were upgraded from Class 2 to Class 1.

The following segments were upgraded from no Aquatic Life use to Aquatic Life Cold 1:

[*List to be completed following preliminary final action by the Commission*.]

The following segments were upgraded from Cold 2 to Cold 1:

[*List to be completed following preliminary final action by the Commission*.]

For segments where the existing aquatic communities are not aligned with the Aquatic Life use, the following segments were downgraded from Cold to Warm:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all Class 2 segments that have fish that are "of a catchable size and which are normally consumed and where there is evidence that fishing takes places on a recurring basis." Water + Fish or Fish Ingestion standards were applied to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## C. Recreation Use Classifications and Standards

The commission reviewed information regarding the current Recreation use classifications and evidence pertaining to actual or potential primary contact recreation. In addition, newly created segments were given the same Recreation use classification as the segment from which they were split, unless there was insufficient evidence to support keeping that classification, or evidence to show that the existing use classification was inappropriate.

Seasonal Recreation use and standards were previously adopted on some segments in the San Juan and Gunnison Basins in order to address concerns that streams could be determined to be impaired for E. coli based on a small number of samples collected during winter when the risk of exposure to pathogens through recreation is expected to be lowest. Because the assessment practices in the current listing methodology address this concern, the commission no longer found it necessary to maintain seasonal Recreation standards on these segments. For segments with seasonal Recreation standards the winter use (Recreation N or Recreation P) was removed and the existing summer standard was applied year-round:

[*List to be completed following preliminary final action by the Commission*.]

D. **Water Supply Use Classification and Standards**

The commission added a Water Supply use classification and standards where the evidence demonstrated a reasonable potential for a hydrological connection between surface water and alluvial wells used for drinking water. The Water Supply use classification and standards were added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission removed the Water Supply use classification and standards where the evidence demonstrated that a Water Supply use does not currently exist due to flow or other conditions, and that such a use is not reasonably expected in the future due to water rights, source water options, or other conditions. Water supply standards for sulfate and chloride were retained for these segments, given concerns regarding the protection of aquatic life by the existing Water Supply standards. The Water Supply use classification and standards, except for sulfate and chloride, were removed from the following segments:

[*List to be completed following preliminary final action by the Commission*.]

A review of the segments with an existing Water Supply use classification showed that some segments were missing one or more standards to protect that use. The full suite of Water Supply standards was added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

E. **Agriculture Use Classification and Standards**

A review of the segments with an existing Agriculture use classification showed that some segments were missing one or more standards to protect that use. The full suite of Agriculture standards was added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all segments with lacking an Agriculture use. Based on an evaluation of the available data and information, no changes were adopted at this time.

F. **Other Standards to Protect Agriculture, Aquatic Life, and Water Supply Uses**

1. **Molybdenum:** In 2010, the commission adopted a new standard for molybdenum to protect cattle from the effects of molybdenosis. The table value adopted at that time was 300 µg/l, but included an assumption of 48 mg/day of copper supplementation to ameliorate the effects of molybdenosis. State and local experts on cattle nutrition indicated that copper supplementation in the region is common, but is not universal. Therefore, the copper supplementation assumption was removed from the equation,

which then yielded a standard of 160 µg/l. That standard was applied in recent basin reviews.

In the 2015 Regulation No. 38 hearing, the commission adopted a standard of 150 µg/L, based on an improved understanding of the dietary- and water-intake rates for various life-stages of cattle. This standard is protective of all life-stages of cattle (including lactating cows and growing heifers, steers and bulls) at all times of year.

The Agriculture table value assumes that the safe copper:molybdenum ratio is 4:1. Food and water intake is based on growing heifers, steers, and bulls consuming 6.7 kg/day of dry matter and 56.8 liters of water per day. Total copper and molybdenum intakes are calculated from the following equations:

Cu intake mg/day = [([Cu] forage, mg/kg) x (forage intake, kg/day)] + [([Cu] water, mg/l) x (water intake, L/day)] + (Cu supplementation, mg/day)

Mo intake mg/day = [([Mo] forage, mg/kg) x (forage intake, kg/day)] + [([Mo] water, mg/l) x (water intake, L/day)] + (Mo supplementation, mg/day)

The assumed values for these equations are as follows:

[Cu] forage = 7 mg/kg, [Mo] forage = 0.5 mg/kg, forage intake = 6.7 kg/day, [Cu] water = 0.008 mg/L, water intake = 56.8 L/day, Cu supplementation = 0 mg/day, Mo supplementation = 0 mg/day.

In 2010, the commission also adopted a new standard for molybdenum to protect the Water Supply use that was calculated in accordance with Policy 96-2.

A molybdenum standard of 150 µg/l was adopted for all segments in Regulation No. 34 that have an Agriculture use classification, and where livestock or irrigated forage are present or expected to be present. The following segments do *not* have an Agriculture or a Water Supply use classification. No molybdenum standard was applied to these segments:

[*List to be completed following preliminary final action by the Commission*.]

2. **Cadmium for Aquatic Life:** The commission adopted updated hardness-based cadmium Aquatic Life standards on a targeted, site-specific basis in cold waters to reflect the most up-to-date science. The new standards, released by the U.S. Environmental Protection Agency (EPA) in March 2016, are protective of sensitive cold water aquatic life (i.e., trout). The cadmium criteria recommended by EPA and adopted by the commission are as follows:

Acute = $e^{(0.9789*\ln(\text{hardness}) - 3.866)}$*1.136672-[(ln hardness)*(0.041838)]

Chronic = $e^{(0.7977*\ln(\text{hardness}) - 3.909)}$*1.101672-[(ln hardness)*(0.041838)]

EPA's updated cadmium criteria are less stringent than Colorado's current cadmium standards when water hardness is greater than 45 mg/L $CaCO_3$. Although the criteria are less stringent, they were developed using the latest science and are protective of aquatic life, and it is expected that Colorado's state-wide cadmium standards will likely be updated using the 2016 EPA cadmium criteria at a later date. Therefore, the commission determined it was appropriate to adopt the new criteria for waters known to be impaired for cadmium to ensure forthcoming clean-up goal development and Total Maximum Daily

Load (TMDL) evaluations are based on the most relevant water quality standards available. The updated cadmium standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

3. **Cadmium, Nickel, and Lead for Water Supply:** A review of the cadmium, nickel, and lead standards showed that uses were not always adequately protected by the standards currently in the tables. Depending on hardness, the Aquatic Life standards for cadmium, lead, and nickel were not protective of the Water Supply use. The division reviewed all segments in Regulation No. 34 to determine if the current standards applied to each segment are fully protective of the assigned uses, and revised or added standards where appropriate.

   The cadmium Water Supply standard was added because the acute Aquatic Life standard is not protective when the hardness was greater than 200 mg/L in non-trout streams and 345 mg/L in trout streams; the lead Water Supply standard was added because the acute Aquatic Life standard is not protective when hardness is greater than 79 mg/L; and the nickel Water Supply standard was added because the chronic Aquatic Life standard is not protective when hardness is greater than 216 mg/L. Cadmium, lead, and nickel Water Supply standards were added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

4. **Aquatic Life Criteria for Selenium and Ammonia:** The commission declined to adopt EPA's revised 304(a) Aquatic Life criteria for selenium and ammonia at this time; however, the division is committed to evaluating these new criteria. Studies are currently underway for each parameter to improve understanding of these criteria in the context of water quality conditions in Colorado and how these criteria may be adopted and implemented in Colorado in the future.

## G. Antidegradation Designations

The commission reviewed all Warm 2 segments designated Use Protected to determine if the Use Protected designation was still warranted. Based upon available water quality data that meet the criteria of 31.8(2)b, the Use Protected designation was removed from the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all Warm 1 segments designated Use Protected to determine if the Use Protected designation was still warranted. Based upon available water quality data that meet the criteria of 31.8(2)b, the Use Protected designation was removed from the following segment:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all Reviewable segments to determine if this Antidegradation designation was still warranted. Based upon available water quality data that fails to meet the criteria of 31.8(2)b, the Reviewable designation was removed and replaced with Use Protection in the following segment:

[*List to be completed following preliminary final action by the Commission*.]

## H. Ambient Quality-Based Standards

Ambient quality-based standards are adopted where a comprehensive analysis has been conducted demonstrating that elevated existing water quality levels are the result of natural conditions or are infeasible to reverse, but are adequate to protect the highest attainable use.

All existing ambient-based standards were reviewed and where appropriate were revised based on new information. Ambient-based standards were revised for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

Ambient-based standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all existing site-specific standards. Based on an evaluation of the available data and information, no changes were adopted at this time.

## I. Temporary Modifications

All existing Temporary Modifications were examined to determine if they should be allowed to expire or if they should be extended, either unchanged or with changes to the numeric limits.

The commission deleted or allowed to expire on 12/31/2017 certain temporary modifications on the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission revised or extended Temporary Modification on the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission adopted a new Temporary Modification for arsenic on the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## J. Discharger Specific Variances

There is currently one segment in the San Juan and Dolores River Basins (Animas Florida Segment 13b) and that has a discharger specific variance (DSV) for ammonia. The commission reviewed the basis for this DSV and the available information regarding progress toward achieving the highest attainable water quality. The commission determined that this DSV is still appropriate and does not require revision at this time.

## K. Temperature Standards for Rivers and Streams

The commission revised temperature criteria in Regulation No. 31 in 2007, and again in 2010, based on the development of the Colorado Temperature Database and a lengthy stakeholder process. In 2012, the new temperature standards were adopted for all segments with an Aquatic Life use classification in Regulation No. 34. In June 2016, temperature criteria in Regulation No. 31 were further revised, including changes to the temperature table value standards, revision of warm water winter acute standards, and the addition of footnotes to protect lake trout and mountain whitefish.

1. **Colorado Temperature Database Update:** The Colorado Temperature Database was updated in 2016 to reflect the most recent research regarding the thermal requirements of Colorado's fishes, which allowed for adoption of an overall update of the cold and warm water acute and chronic temperature table value standards. In this hearing, the commission adopted revisions at 34.6(3) to bring this regulation into conformity with the revised table value standards found in Table I of Regulation No. 31.

2. **Warm Water Winter Acute Table Values:** The 2016 updates to the temperature database also allowed for the adoption of revisions to the warm water winter acute table values. When seasonal numeric temperature standards were first adopted in 2007, warm water winter acute and chronic standards were simply set at half the summer season table values, recognizing a pattern seen in cold waters. In 2016, the acute winter table values for warm water fish were revised based on lethal temperature thresholds established in laboratory experiments for fish acclimated to "winter" temperatures. Standards derived using this new method more accurately protect warm water fish from acute thermal effects in winter. In this hearing, the commission adopted revisions at 34.6(3) to bring this regulation into conformity with the revised warm water winter acute temperature table value standards found in Table I of Regulation No. 31.

3. **Mountain Whitefish and Lake Trout Footnotes:** In 2016, the commission adopted two footnotes to Table I of Regulation No. 31 to allow for additional thermal protection of mountain whitefish and lake trout where appropriate. These species were given special standards due to their thermal sensitivity and limited distributions. In Regulation No. 34, there are no water bodies where lake trout are expected to occur, or where thermally-sensitive spawning and early life stages of mountain whitefish are known to occur, based upon information provided by Colorado Parks and Wildlife. No changes were adopted at this time to protect mountain whitefish or lake trout.

4. **Refinement of Temperature Standards**

Since temperature criteria were revised in Regulation No. 31 in 2007, the division and others have worked to ensure that appropriate temperature standards were adopted for segments throughout the state. At times, this effort to assign temperature standards has also included reevaluation of the existing Aquatic Life use classifications, and use revisions have been proposed and adopted where appropriate. Incremental progress continues as temperature standards are refined based on the experience and data gains that have occurred since initial adoption of temperature standards.

In the 2016 Regulation No. 31 hearing, the commission declined to adopt the division's proposal for statewide solutions for temperature transition zones and shoulder seasons, in favor of a basin-by-basin consideration of temperature standards on a site-specific basis. The basin-by-basin approach was selected as it allows for consideration of temperature attainability and ambient quality-based site-specific temperature standards issues in the context of multiple lines of evidence and site-specific contravening evidence. The sections below describe the considerations and methods used to develop and support the site-specific temperature standards revisions adopted in this basin hearing.

i. Existing Uncertainty: While a great deal of progress has been made regarding the development and implementation of temperature standards, uncertainty still remains for some segments due to the lack of site-specific temperature or aquatic community information or conflicts between the lines of evidence. This uncertainty was highlighted in the statement of basis and purpose language for the 2012 Regulation No. 34 Rulemaking Hearing at 34.38.K. To address this uncertainty, these segments were targeted for additional data collection where possible, and all new information collected for these segments was evaluated as part of this basin review.

ii. Attainability: Following the commission's 2016 direction to consider attainability issues using a basin-by-basin approach, the division reviewed all available information to identify segments where attainability issues may exist based upon available instream temperature data and expected in-stream summer maximum weekly average temperatures (MWATs). Expected MWATs were determined

using regression analysis of temperature and elevation and the NorWeST Stream Temperature Regional Database and Model. This screening found that many segments, or portions of segments, were not expected to attain the summer or winter chronic temperature standards. These waters were targeted for additional review, as were waters listed as impaired for temperature on the 2016 303(d) List.

iii. Aquatic Life Use: For these selected segments, the division conducted a comprehensive, site-specific review of the existing use classification and temperature standards. Fishery data provided by Colorado Parks and Wildlife (CPW) was evaluated to identify fish species expected to occur, whether reproduction is expected (i.e., stocked, transient, or resident species), age class structures, and any other relevant information regarding aquatic life communities. For segments where little or no information on fish species expected to occur existed, fish population data from adjacent and representative water bodies was utilized when possible.

iv. Thermal Drivers: In cases where temperature standards to protect the highest attainable use were determined, but the temperature standards were not attainable, site-specific factors that influence in-stream temperature were evaluated to identify any correctable anthropogenic thermal sources. All available data on temperature, hydrology, hydro-modification, canopy cover, groundwater influence, point and non-point thermal sources, and other relevant information was reviewed.

Based upon information regarding the species expected to occur, temperature data, physical habitat, land cover/use, groundwater inputs, flow conditions, and all other available information regarding thermal drivers, the commission adopted revisions of temperature standards for the segments listed below where water quality is not feasible to improve or where the thermal regime is the result of natural conditions, but is sufficient to protect the highest attainable use.

The following segments were changed from CS-I to CS-II:

[*List to be completed following preliminary final action by the Commission*.]

The following segments were changed from CS-II to WS-II:

[*List to be completed following preliminary final action by the Commission*.]

In some cases, a water body was moved from one existing segment to another existing segment. The following list describes segments that had portions modified to facilitate a change in temperature standards:

[*List to be completed following preliminary final action by the Commission*.]

Ambient temperature standards were adopted where a use attainability analysis was conducted demonstrating that elevated ambient temperatures are the result of natural conditions or are not feasible to improve to the level required by the current numeric standard, but are adequate to protect the highest attainable use. Ambient temperature standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The beginning date of the winter season for temperature standards was changed from November 1 to November 15 where a use attainability analysis was conducted demonstrating that the winter standards were not attainable in early November due to natural or irreversible conditions, and that a delayed start date is adequate to protect the highest attainable use. Timing of the shoulder season was changed for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

For some segments, as water bodies transition from cold to warm systems, few cold water species are expected to occur. However, cold water species such as sculpin may persist into warmer waters, and can be the sole cold water fish species expected to occur in an otherwise warm aquatic community. Where this transitional community exists, adjusted temperature standards are appropriate if they adequately protect the most sensitive species expected to occur.

The commission adopted site-specific criteria-based standards following segments, based upon a site-specific determination of species expected to occur and their thermal requirements:

[*List to be completed following preliminary final action by the Commission*.]

In some cases, the existing aquatic life community supported an upgrade in the temperature standard. The following segments were changed from CS-II to CS-I:

[*List to be completed following preliminary final action by the Commission*.]

In some cases, the existing aquatic life community varies seasonally between warm and cold communities. The following segments were changed to reflect this seasonal variability in expected community:

[*List to be completed following preliminary final action by the Commission*.]

Adequate data were not always available and agreement among lines of evidence was not always sufficient to support a revision of the use classification or a temperature standards change. In these cases, no change was proposed. It is the commission's intent that the division and interested parties work to resolve the uncertainty. There is uncertainty regarding the appropriate use classifications and temperature standards to protect the highest attainable use still exist for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## L. Ambient Quality-Based Temperature Standards for Lakes

The WAT standard was found to be unattainable for a number of cold large lakes and reservoirs where evidence indicated there are healthy cold water fish populations. Because summertime temperature in the mixed layer for large lakes and reservoirs is very well correlated to the water body's elevation, the commission adopted ambient temperature standards for large lakes wherever data were available to characterize a WAT and the thermal characteristics of the lakes and reservoirs were determined to be the result of natural or irreversible man-induced conditions. Ambient temperature standards were adopted for the following lakes:

Dolores River: 4 (McPhee and Summit Lakes)

## M. Nutrients

In March 2012, the commission adopted interim nutrient values in the Basic Standards (Regulation No. 31) and created a new statewide control regulation (Regulation No. 85) to address nutrients in Colorado. Regulation 31.17 includes interim nutrient values for total phosphorus, total nitrogen, and chlorophyll *a* for both lakes and reservoirs, and rivers and streams. Due to the phased implementation approach adopted with these criteria (31.17(e)), the commission considered adoption of only total phosphorus and chlorophyll *a* standards at this time. Nitrogen standards were not considered as part of this rulemaking hearing, but will be considered in the next triennial review, currently scheduled for June 2020.

Total phosphorus and chlorophyll *a* standards were adopted for waters upstream of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation No. 85 effluent limits and discharging prior to May 31, 2012. A new section (4) was added at 34.5 describing implementation of the interim nutrient values into the tables at 34.6, and includes a table which lists these facilities and the segment to which they discharge.

> For segments located entirely above these facilities, nutrient standards apply to the entire segment.
>
> For segments with portions downstream of these facilities, *nutrient standards only apply above these facilities*. A footnote "C" was added to the total phosphorus and chlorophyll *a* standards in these segments. The footnote references the table of qualified facilities at 34.5(4).
>
> For segments located entirely below these facilities, nutrient standards do not apply.

For rivers and streams segments, total phosphorus standards were adopted for segments with an Aquatic Life use. Chlorophyll *a* standards were adopted for segments with either an E or P Recreation use classification.

For lakes and reservoirs segments, a Footnote B was added to total phosphorus and chlorophyll standards adopted for lakes in the tables at 34.6, as these standards only apply to lakes larger than 25 acres.

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for Direct Use Water Supply (DUWS) lakes and reservoirs. No proposals were made to adopt standards based on this provision in this rulemaking (see section N).

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for circumstances where the provisions of Regulation No. 85 are not adequate to protect waters from existing or potential nutrient pollution. No proposals were made to adopt standards based on this provision in this rulemaking.

Chlorophyll *a* standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

Total Phosphorus standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## N. Direct Use Water Supply Sub-classification

Also in the March 2012 rulemaking hearing, the commission adopted a sub-classification of the Domestic Water Supply Use called "Direct Use Water Supply Lakes and Reservoirs Sub-classification" (DUWS), in Regulation No. 31, at 31.13(1)(d)(i). This sub-classification is for Water Supply lakes and reservoirs where there is a plant intake location in the lake or reservoir or a man-made conveyance from the lake or reservoir that is used regularly to provide raw water directly to a water treatment plant that treats and

disinfects raw water. The commission has begun to apply this sub-classification and anticipates that it will take several basin reviews to evaluate all the reservoirs in the basin. The commission adopted the DUWS sub-classification on the following reservoirs and added "DUWS" to the classification column in the standards tables. The public water systems are listed along with the reservoirs and segments.

[*List to be completed following preliminary final action by the Commission*.]

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for DUWS lakes and reservoirs. No proposals were made to adopt standards based on this provision in this rulemaking.

O. **Other/Site-Specific Revisions**

The commission revised segment descriptions and/or deleted entire segments to exclude all waters within the Ute Mountain Ute Indian Tribe from Regulation No. 34:

La Plata River, Mancos River, McElmo Creek, and San Juan River in Montezuma County and Dolores County: Segments 5, 6a, 7b, 8, 10 and 17

P. **Typographical and Other Errors**

The following edits were made to improve clarity and correct typographical errors:

[*List to be completed following preliminary final action by the Commission*.]

# COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

# WATER QUALITY CONTROL COMMISSION

**5 CCR 1002-34**

**REGULATION NO. 34**
**CLASSIFICATIONS AND NUMERIC STANDARDS**
**FOR**
**SAN JUAN RIVER AND DOLORES RIVER BASINS**

## APPENDIX 34-1
## Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2017~~12/30/2017

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

1a. Mainstem of the Navajo River including all wetlands and tributaries from the boundary of the South San Juan Wilderness Area to below the confluence with Sheep Creek. Mainstem of the Little Navajo River, including all wetlands and tributaries, from the boundary of the South San Juan Wilderness Area to the San Juan-Chama Diversion.

| COSJSJ01A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | acute | chronic |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

1b. Mainstem of the Navajo River, including all wetlands and tributaries from below the confluence with Sheep Creek to the Colorado/New Mexico border, except for specific listings in Segment 3.

| COSJSJ01B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | acute | chronic |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

2. Mainstem of the Navajo River from the Colorado/New Mexico border to the confluence with the San Juan River.

| COSJSJ02 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life ~~Cold~~Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | ~~CS~~WS-II | ~~CS~~WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

3. Mainstem of the Little Navajo River from the San Juan-Chama diversion to the confluence with the Navajo River; all tributaries to the Navajo River and the Little Navajo River, including all wetlands, from the San Juan-Chama diversions to the confluence with the San Juan River.

| COSJSJ03 | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life ~~Cold~~Warm 2 | |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Recreation P | ~~5/1 - 10/31~~ |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~WS-II~~13 | ~~WS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 24.5 | 19.3 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

4. All tributaries to the San Juan River, Rio Blanco, and Navajo River including all wetlands which are within the Weminuche Wilderness area and South San Juan Wilderness Area.

| COSJSJ04 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5. ~~Mainstem~~The East and West Forks of the San Juan River ~~and the East Fork and West Fork of the San Juan River~~, including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence of the mainstem of the San Juan River. All tributaries to the San Juan River from a point below the confluence with the West Fork to a point below the confluence with Fourmile Creek~~, including all wetlands and tributaries except for wetlands and tributaries included in Segment 4.~~.

| COSJSJ05 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | TVS |
| Cadmium | TVS(tr) | ~~TVS~~--- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

6a. Mainstem of the San Juan River from a point immediately below the confluence with ~~Fourmile Creek~~the West Fork to ~~the Southern Ute Indian Reservation northern boundary. Mainstem of Mill Creek from the source to the confluence with the San Juan River.~~Highway 160 in Pagosa Springs.

| COSJSJ06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 18.3 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

6b. Mainstem of the San Juan River from Highway 160 in Pagosa Springs to the Southern Ute Indian Reservation Northern boundary. Mainstem of Mill Creek from the source to the confluence with the San Juan River.

| COSJSJ06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 27.8 | 22.1 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11* |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

~~6b.~~6c. Mainstem of the San Juan River from the Southern Ute Indian Reservation northern boundary to ~~Navajo Reservoir.~~bridge at 500 Road Crossing (lat/long).

| ~~COSJSJ06B~~COSJSJ06C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |
| *Southern Ute Indian Reservation | |

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 27.1 | 22.5 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6d. Mainstem of the San Juan River from the bridge at 500 Road Crossing (lat/long) to a point above the confluence with the Rio Blanco.

| COSJSJ06D | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |
| *Southern Ute Indian Reservation | |

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.2 | 23.6 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

6e. Mainstem of the San Juan River from a point above the confluence with the Rio Blanco to Navajo Reservoir.

| COSJSJ06E | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.9 | 24.2 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

7. Mainstem of the Rio Blanco, including all tributaries and wetlands, from the boundary of the South San Juan Wilderness Area to below the confluence with Leche Creek.

| COSJSJ07 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

8. Navajo Reservoir. Echo Canyon Reservoir.

| COSJSJ08 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

9a. Mainstem of the Rio Blanco, including all tributaries and wetlands, from a point immediately below the confluence with Leche Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 10.

| COSJSJ09A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 27.1 | 21.9 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

9b. Mainstem of the Rio Blanco, including all tributaries and wetlands, from the boundary of the Southern Ute Indian Reservation to the confluence with the San Juan River.

| COSJSJ09B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 27.1 | 21.9 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

10. Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.

| COSJSJ10 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11a. All tributaries to the San Juan River, including wetlands, from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 6a, 6b, 9a and 9b.

| COSJSJ11A | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

11b. All tributaries to the San Juan River, including wetlands, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border except for the specific listings in Segments 6a, 6b, 9a and 9b. Sambrito Creek, Scaggs Canyon, Sandoval Canyon and other unnamed tributaries that flow directly into Navajo Reservoir.

| COSJSJ11B | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | 5/1 - 10/31 |
| | ~~Recreation N~~Water Supply | ~~11/1 - 4/30~~ |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | 5/1 - 10/31 | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~7.60~~0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11c. McCabe Creek from the source to the confluence with the San Juan River.

| COSJSJ11C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 18.3 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

12. All tributaries to the San Juan River in Archuleta County, including all wetlands, except for specific listings in Segments 1a, 1b, 2, 3, 4, 5, 6a, 6b, 7, 9a, 9b, 10, 11a, 11b and 12b. This segment includes Coyote Creek from its source to the Colorado/New Mexico border.

| COSJSJ12 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Recreation P | ~~5/1 - 10/31~~ |
| **Qualifiers:** | | |
| **Other:** | | |

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-III | WS-III |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| ~~Chromium III~~ | ~~---~~ | ~~TVS~~ |
| Chromium III | --- | 100(T) |
| Chromium III | --- | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

13. All lakes and reservoirs that are tributary to the mainstem of the Navajo River and the Little Navajo River, from the boundary of the South San Juan Wilderness Area to the Colorado/New Mexico border, except for specific listings in Segment 14. This segment includes Gardner Lake, Fall View Lake, Hidden Lake, Dolomite Lake, Bull Elk Pond, Price Lakes, and Spence Reservoir.

| COSJSJ13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. All lakes and reservoirs that are tributary to the Navajo River and the Little Navajo River, from the San Juan-Chama diversions to the confluence with the San Juan River.

| COSJSJ14 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | Recreation ~~NP~~ | ~~11/1 - 4/30~~ |
| | ~~Recreation P~~ | ~~5/1 - 10/31~~ |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 20* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

15a. All lakes and reservoirs which are tributary to the Rio Blanco, from the boundary of South San Juan Wilderness Area to the Southern Ute Indian Reservation boundary. This segment includes Harris Lake, Buckles Lake, and Crescent Lake.

| COSJSJ15A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

15b. All lakes and reservoirs which are tributary to the Rio Blanco, from the boundary of the Southern Ute Indian Reservation to the confluence with the San Juan River.

| COSJSJ15B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

16. All lakes and reservoirs which are tributary to the San Juan River, Rio Blanco, and Navajo River and located within the Weminuche Wilderness Area and South San Juan Wilderness Area. This segment includes Archuleta Lake, Spruce Lakes, Turkey Creek Lake, Fourmile Lake, Upper Fourmile Lake, Crater Lake, Quartz Lake, Fish Lake, and Opal Lake.

| COSJSJ16 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

17. All lakes and reservoirs that are tributary to the San Juan River and the East Fork and West Fork of the San Juan River, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence with Fourmile Creek. This segment includes Born Lake, Hatcher Lakes, T Lazy T Reservoir, and Lost Lake.

| COSJSJ17 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

18a. All lakes and reservoirs tributary to the San Juan River from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary, except for the specific listings in Segment 8.

| COSJSJ18A | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2ug/L~~) | | --- | 20* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~10~~100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

18b. All lakes and reservoirs which are tributary to the San Juan River from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border, except for the specific listing in Segment 8.

| COSJSJ18B | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2ug/L~~) | | --- | 20* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~10~~100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Juan River Basin

19. All lakes and reservoirs in Archuleta County which are tributary to the San Juan River, except for specific listings in Segment 18b. All lakes and reservoirs which are tributary to Coyote Creek from its source to the Colorado/New Mexico border.

| COSJSJ19 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | Recreation ~~N~~P | ~~11/1 - 4/30~~ |
| | ~~Recreation P~~ | ~~5/1 - 10/31~~ |

**Qualifiers:**

**Fish Ingestion**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | | --- | 20* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 100(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

1. All tributaries to the Piedra River, including all wetlands, which are within the Weminuche Wilderness Area.

| COSJPI01 | Classifications |
|---|---|
| Designation | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2a. East Fork Piedra River and Middle Fork Piedra River, including all tributaries and wetlands, from the boundary of the Weminuche Wilderness Area to the confluence with the mainstem of the Piedra River, except for the specific listing in Segment 3.

| COSJPI02A | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~4/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 3/31~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-I | CS-I |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~4/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 3/31~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

2b. Mainstem of the Piedra River from the confluence with the East and Middle Forks to the confluence with Indian Creek.

| COSJPI02B | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~4/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 3/31~~ |
| | Water Supply | |
| **Qualifiers:** | | |
| **Other:** | | |

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-II | CS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~4/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 3/31~~ | ~~---~~ | ~~630~~ |
| **Inorganic (mg/L)** | | | |
| | | **acute** | **chronic** |
| Ammonia | | TVS | TVS |
| Boron | | --- | 0.75 |
| Chloride | | --- | 250 |
| Chlorine | | 0.019 | 0.011 |
| Cyanide | | 0.005 | --- |
| Nitrate | | 10 | --- |
| Nitrite | | 0.05 | ~~0.05~~--- |
| Phosphorus | | --- | 0.11 |
| Sulfate | | --- | WS |
| Sulfide | | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

3. Mainstem of the East Fork of the Piedra River from the Piedra Falls Ditch to the confluence with Pagosa Creek.

| COSJPI03 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~4/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 3/31~~ |
| | Water Supply | |
| **Qualifiers:** | | |
| **Other:** | | |

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-I | CS-I |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~4/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 3/31~~ | ~~---~~ | ~~630~~ |
| **Inorganic (mg/L)** | | | |
| | | **acute** | **chronic** |
| Ammonia | | TVS | TVS |
| Boron | | --- | 0.75 |
| Chloride | | --- | 250 |
| Chlorine | | 0.019 | 0.011 |
| Cyanide | | 0.005 | --- |
| Nitrate | | 10 | --- |
| Nitrite | | 0.05 | ~~0.05~~--- |
| Phosphorus | | --- | 0.11 |
| Sulfate | | --- | WS |
| Sulfide | | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

4a. Mainstem of the Piedra River from a point immediately below the confluence with Indian Creek to the Southern Ute Indian Reservation boundary.

| COSJPI04A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 26.5 | 20.7 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

4b. Mainstem of the Piedra River from the Southern Ute Indian Reservation boundary to ~~Navajo Reservoir~~a point above the confluence with Stollsteimer Creek.

| COSJPI04B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 26.5 | 20.7 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

4c. Mainstem of the Piedra River from a point above the confluence with Stollsteimer Creek to Navajo Reservoir.

| COSJPI04C | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Cold 1 | 11/1 - 3/31 |
| | Aq Life Warm 1 | 4/1 - 10/31 |
| | Recreation E | |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.6 | 27.5 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~5~~5a. All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with ~~Devil Creek, except for the specific listing in Segment 2a and 3.~~the First Fork of the Piedra River. Devil Creek, including all tributaries, from the source to a point below the confluence with Dunagan Canyon.

| ~~COSJPI05~~COSJPI05A | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-I | CS-I |

| | | acute | chronic |
|---|---|---|---|
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

5b. All tributaries to the Piedra River, from a point immediately below the confluence with the First Fork of the Piedra River to a point immediately below the confluence with Devil Creek, except for the specific listings in Segment 5a.

| COSJPI05B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

6a. All tributaries to the Piedra River, including all wetlands, from a point immediately below the confluence with Devil Creek to Southern Ute Indian Reservation boundary, except the specific listing in Segment 6d. Sambrito Creek from the source the Southern Ute Indian Reservation boundary.

| COSJPI06A | Classifications |
|---|---|
| Designation | Agriculture |
| ~~UP~~ | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~10~~100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | ~~WS~~250 |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~0.02~~ ~~A~~ ~~10~~100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| ~~Manganese~~ | --- | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

6b. All tributaries including wetlands to the Piedra River from the Southern Ute Indian Reservation boundary to Navajo Reservoir~~.~~ except for the specific listing in Segment 6c.

| COSJPI06B | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.25 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-~~10~~(T) ~~A~~ |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6c. Stollsteimer Creek, including all tributaries, from the Southern Ute Indian Reservation boundary to the confluence with the Piedra River.

| COSJPI06C | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- = | 0.25 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.5 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) A |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

6d. Steven's draw from the outlet of Borns Lake Reservoir to the confluence with Martinez Creek.

| COSJPI06D | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.5 | --- = |
| Phosphorus | --- = | 0.17* |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) A |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7. Hatcher Reservoir, Stevens Reservoir, Sullenbuger Reservoir, Village Lake and Forest Lake.

| COSJPI07 | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~2/2 - 11/30~~ |
| | ~~Recreation N~~ | ~~12/1 - 3/1~~ |
| | Water Supply | |
| | DUWS* | |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Classification: DUWS applies to Hatcher and Stevens Reservoirs only.

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | --- |
| E. Coli (per 100 mL) | 12/1 - 3/1 | --- | 630 |
| E. Coli (per 100 mL) | 3/2 - 11/30 | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~12/1 - 3/1~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.25 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.5 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

8. Williams Creek Reservoir.

| COSJPI08 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CLL | CLL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 8* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

9. All lakes and reservoirs tributary to the Piedra River which are within the Weminuche Wilderness Area. This segment includes Window Lake, Monument Lake, Hossick Lake, and Williams Lakes.

| COSJPI09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

10. All lakes and reservoirs which are tributary to the Piedra River, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Devil Creek, except the specific listing in Segment 8. This segment includes Palisade Lake, Martin Lake, and O'Connell Lake.

| COSJPI10 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CL | CL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 8* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11a. All lakes and reservoirs which are tributary to the Piedra River, from a point immediately below the confluence with Devil Creek to the Southern Ute Indian Reservation boundary. This segment includes Capote Lake.

| COSJPI11A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish ~~Ingestion~~ Standards**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Piedra River Basin

11b. All lakes and reservoirs which are tributary to the Piedra River from the Southern Ute Indian Reservation boundary to Navajo Reservoir.

| COSJPI11B | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.25 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

1. All tributaries to the Los Pinos River, including all wetlands, which are within the Weminuche Wilderness Area.

| COSJPN01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2a. Mainstem of the Los Pinos River from the boundary of the Weminuche Wilderness Area to the boundary of the Southern Ute Indian Reservation except for the specific listing in Segment 3.

| COSJPN02A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

2b. Mainstem of the Los Pinos River from the boundary of the Southern Ute Indian Reservation to the ~~Colorado/New Mexico border.~~Pine Ditch Diversion (37.1906, -107.58778).

| COSJPN02B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2c. Mainstem of the Los Pinos River from the Pine Ditch Diversion (37.1906, -107.58778) to above the confluence with Dry Creek. Mainstem of Beaver Creek from the boundaries of the Southern Ute Indian Reservation to their confluences with the Los Pinos River.

| COSJPN02C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.0 | 23.0 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | | --- | --- = |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

2d. Mainstem of the Los Pinos River from above the confluence with Dry Creek to New Mexico state line. Mainstems of Dry Creek, Ute Creek, Spring Creek and Rock Creek from the boundaries of the Southern Ute Indian Reservation to their confluences with the Los Pinos River.

| COSJPN02D | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Cold 1 | 11/1 - 3/31 |
| | Aq Life Warm 1 | 4/1 - 10/31 |
| | Recreation E | |
| | Water Supply | |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.8 | 27.5 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

3. Vallecito Reservoir.

| COSJPN03 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2ug/L) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

4a. All tributaries to the Los Pinos River and Vallecito Reservoir, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Bear Creek ~~(T35N, R7W)~~, except for the specific listing in ~~Segment~~ Segments 4b and 5; ~~mainstems of~~ Beaver Creek, ~~Ute Creek, and Spring Creek~~including all tributaries, from ~~their sources~~its source to the ~~boundary of the Southern Ute Indian Reservation~~confluence with Highway 160.

| COSJPN04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

~~4b. Mainstems of Beaver Creek, Ute Creek and Spring Creek from the boundaries of the Southern Ute Indian Reservation to their confluences with the Los Pinos River.~~

| ~~COSJPN04B~~ | ~~Classifications~~ |
|---|---|
| ~~**Designation**~~ | ~~Agriculture~~ |
| ~~Reviewable~~ | ~~Aq Life Cold 1~~ |
| | ~~Recreation E~~ |
| | ~~Water Supply~~ |

~~**Qualifiers:**~~

~~**Other:**~~

~~Temporary Modification(s):~~

~~Arsenic(chronic) = hybrid~~

~~Expiration Date of 12/31/2021~~

~~*Southern Ute Indian Reservation~~

| ~~Physical and Biological~~ | ~~DM~~ | ~~MWAT~~ |
|---|---|---|
| ~~Temperature °C~~ | ~~CS-II~~ | ~~CS-II~~ |
| | ~~**acute**~~ | ~~**chronic**~~ |
| ~~D.O. (mg/L)~~ | ~~---~~ | ~~6.0~~ |
| ~~D.O. (spawning)~~ | ~~---~~ | ~~7.0~~ |
| ~~pH~~ | ~~6.5 - 9.0~~ | ~~---~~ |
| ~~chlorophyll a (mg/m2)~~ | ~~---~~ | ~~---~~ |
| ~~E. Coli (per 100 mL)~~ | ~~---~~ | ~~126~~ |

| ~~Inorganic (mg/L)~~ | ~~acute~~ | ~~chronic~~ |
|---|---|---|
| ~~Ammonia~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Boron~~ | ~~---~~ | ~~0.75~~ |
| ~~Chloride~~ | ~~---~~ | ~~250~~ |
| ~~Chlorine~~ | ~~0.019~~ | ~~0.011~~ |
| ~~Cyanide~~ | ~~0.005~~ | ~~---~~ |
| ~~Nitrate~~ | ~~10~~ | ~~---~~ |
| ~~Nitrite~~ | ~~---~~ | ~~0.05~~ |
| ~~Phosphorus~~ | ~~---~~ | ~~---~~ |
| ~~Sulfate~~ | ~~---~~ | ~~WS~~ |
| ~~Sulfide~~ | ~~---~~ | ~~0.002~~ |

| ~~Metals (ug/L)~~ | ~~acute~~ | ~~chronic~~ |
|---|---|---|
| ~~Aluminum~~ | ~~---~~ | ~~---~~ |
| ~~Arsenic~~ | ~~340~~ | ~~0.02(T)~~ |
| ~~Beryllium~~ | ~~---~~ | ~~---~~ |
| ~~Cadmium~~ | ~~TVS(tr)~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~50(T)~~ | ~~TVS~~ |
| ~~Chromium VI~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Copper~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| ~~Iron~~ | ~~---~~ | ~~1000(T)~~ |
| ~~Lead~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Manganese~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| ~~Mercury~~ | ~~---~~ | ~~0.01(t)~~ |
| ~~Molybdenum~~ | ~~---~~ | ~~160(T)~~ |
| ~~Nickel~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Selenium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Silver~~ | ~~TVS~~ | ~~TVS(tr)~~ |
| ~~Uranium~~ | ~~---~~ | ~~---~~ |
| ~~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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

4b. Mainstems of Texas Creek, Ute Creek, and Spring Creek including all tributaries, from their sources to the boundary of the Southern Ute Indian Reservation. Mainstem of Beaver Creek from Highway 160 to the boundary of the Southern Ute Indian Reservation.

| COSJPN04B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5. Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.

| COSJPN05 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

~~6a~~6. All tributaries to the Los Pinos River, including all wetlands, from a point immediately below the confluence with Bear Creek ~~(T35N, R7W)~~ to the boundary of the Southern Ute Indian Reservation except for specific listings in Segment 4a and 4b.

| ~~COSJPN06A~~COSJPN06 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Fish Ingestion**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~100~~10 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~100~~0.02(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

6b7a. All tributaries to the Los Pinos River, including all wetlands, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border, except for the specific listing in Segment 4b.Segments 2b, 2c and 2d.

| COSJPN06BCOSJPN07A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life ColdWarm 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**
*Southern Ute Indian Reservation

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-IIWS-III | CS-IIWS-III |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10010 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 1007.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVSWS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7a. Barker Arroyo and all other tributaries to the San Juan River in La Plata County which join the San Juan River below the Colorado/New Mexico border, except for specific listings in Segments 1, 2a, 2b, 4a, 4b, 4c, 5, 6a, 6b and 7b.

| COSJPN07A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- - |
| chlorophyll a (mg/m2) | --- | --- - |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- - | 0.75 |
| Chloride | --- - | --- - |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- - |
| Nitrate | 100 | --- - |
| Nitrite | --- - | 0.05 |
| Phosphorus | --- - | --- - |
| Sulfate | --- - | --- - |
| Sulfide | --- - | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

7b. ~~All~~Trail Canyon, including all tributaries, from their source to the ~~San Juan River in La Plata County within the Southern Ute Indian Reservation except for specific listings in Segments 2b, 4b and 6b~~New Mexico border.

| COSJPN07B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life ~~Cold~~Warm 2 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |
| *Southern Ute Indian Reservation | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | ~~CS-II~~WS-III | ~~CS-II~~WS-III |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

8. All lakes and reservoirs tributary to the Los Pinos River which are within the Weminuche Wilderness Area, except for the specific listing in Segment 9. This includes Granite Lake, Divide Lakes, Elk Lake, Flint Lakes, Moon Lake, Rock Lake, Betty Lake, Lost Lake, Hidden Lake, Vallecito Lake, Eldorado Lake, Trinity Lake, Leviathan Lake, Sunlight Lake, Hazel Lake, and Columbine Lake.

| COSJPN08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |
| *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.<br>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

9. Emerald Lake.

| COSJPN09 | Classifications |
|---|---|
| Designation | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

10. All lakes and reservoirs tributary to the Los Pinos River and Vallecito Reservoir from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Bear Creek (T35N, R7W), except for the specific listing in Segment 3. This segment includes Lake Simpatico.

| COSJPN10 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Los Pinos River Basin

11a. All lakes and reservoirs tributary to the Los Pinos River, from a point immediately below the confluence with Bear Creek (T35N, R7W) to the boundary of the Southern Ute Indian Reservation.

| COSJPN11A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11b. All lakes and reservoirs tributary to the Los Pinos River, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border. This segment includes Harper Pond.

| COSJPN11B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life ~~Cold~~Warm 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Southern Ute Indian Reservation
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | ~~CL~~WL | ~~CL~~WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

1. All tributaries to the Animas River and Florida River, including all wetlands, which are within the Weminuche Wilderness Area.

| COSJAF01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2. Mainstem of the Animas River, including all tributaries and wetlands, from the outlet of Denver Lake to a point immediately above the confluence with Minnie ~~Maggie~~ Gulch, except for specific listings in Segment 6.

| COSJAF02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Recreation E |
| **Qualifiers:** | |
| **Other:** | |
| *The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving standards established for segments 3a, 4a and 4b. | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 3.0 |
| pH | 5.8-9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | --- | 100 |
| Nitrite | 10 | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

3a. Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with ~~Maggie~~ Minnie Gulch to immediately above the confluence with Cement Creek.

| COSJAF03A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1* |
| | Recreation E |

**Qualifiers:**

**Other:**

*Classification: Aquatic life indicator goal: Brook Trout
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = Standards are listed on Table 1.
*Manganese(chronic) = Standards are listed on Table 1.
*Zinc(acute) = Standards are listed on Table 1.
*Zinc(chronic) = Standards are listed on Table 1.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | 750(T) | 750(T) |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~ --- | varies* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | --- | varies* |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | varies* | varies* |

3b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.

| COSJAF03B | Classifications | |
|---|---|---|
| **Designation** | Recreation E | ~~5/15 - 9/10~~ |
| UP | ~~Recreation N~~ | ~~9/11 - 5/14~~ |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Cadmium(ac/ch) = current condition
Copper(ac/ch) = current condition
Zinc(ac/ch) = current condition
Expiration Date of 12/31/2017

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.
*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 3.0 |
| pH | | 6.0-9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150* |
| E. Coli (per 100 mL) | ~~5/15 - 9/10~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~9/11 - 5/14~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | --- | --- |
| Boron | --- | --- |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | --- | --- |
| Nitrate | --- | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | ~~---~~ 0.11* |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | --- |
| Beryllium | --- | --- |
| Cadmium | --- | --- |
| Chromium III | --- | --- |
| Chromium VI | --- | --- |
| Copper | --- | --- |
| Iron | --- | --- |
| Lead | --- | --- |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | --- |
| Nickel | --- | --- |
| Selenium | --- | --- |
| Silver | --- | --- |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

3c. Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.

| COSJAF03C | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.

| COSJAF04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2* |
| | Recreation E |

**Qualifiers:**

**Other:**

*Classification: Aquatic life indicator goal: Brook Trout
*Aluminum(acute) = Standards are listed on Table 1.
*Aluminum(chronic) = Standards are listed on Table 1.
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]
*Iron(chronic) = Standards are listed on Table 1.
*Zinc(acute) = Standards are listed on Table 1.
*Zinc(chronic) = Standards are listed on Table 1.
*pH(acute) = Standards are listed on Table 1.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | varies* | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | varies* | varies* |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~SSE* | ~~TVS~~--- |
| Cadmium | --- | SSE* |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | varies* |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | varies* | varies* |

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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with ~~Deer Park~~Lime Creek ~~to Bakers Bridge~~.

| COSJAF04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | TVS(T) | TVS(T) |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4c. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Lime Creek to Bakers Bridge (37.458620, -107.799194).

| COSJAF04C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | TVS(T) | TVS(T) |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

5a. Mainstem of the Animas River, including wetlands, from Bakers Bridge (37.458620, -107.799194) to ~~the Southern Ute Indian Reservation boundary~~above the confluence with Junction Creek.

| COSJAF05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | TVS | TVS |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5b. Mainstem of the Animas River, including wetlands, from above the confluence with Junction Creek to the Southern Ute Indian Reservation boundary (37.214880 -107.855102).

| COSJAF05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 18.9 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | | --- | --- = |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | TVS | TVS |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

~~5b~~5c. Mainstem of the Animas River, including wetlands, from the Southern Ute Indian Reservation boundary (37.214880 -107.855102) to ~~the Colorado/New Mexico border.~~Basin Creek.

| ~~COSJAF05B~~COSJAF05C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/15 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 11/14 | 24.3 | 19.1 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | TVS | TVS |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5d. Mainstem of the Animas River, including wetlands, from Basin Creek to the above the confluence with the Florida River.

| COSJAF05D | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/15 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 – 11/14 | 24.3 | 20.3 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | TVS | TVS |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

5e. Mainstem of the Animas River, including wetlands from above the confluence with the Florida River to New Mexico state line.

| COSJAF05E | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/15 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 – 11/14 | 24.3 | 22.9 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | TVS | TVS |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6. Mainstem of the Animas River from the source to the outlet of Denver Lake. Mainstem, including all tributaries and wetlands of Cinnamon Creek, Grouse Gulch~~Creek~~, Picayne Gulch, and Minnie Gulch. All tributaries and wetlands to the Animas River from immediately above Maggie Gulch to Elk Creek ~~Park~~ except for those listed under segments 3c, 7, 8 and 9.

| COSJAF06 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

7. Mainstem of Cement Creek, including all tributaries, and wetlands, from the source to the confluence with the Animas River.

| COSJAF07 | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Recreation E |

**Qualifiers:**

**Other:**

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | acute | chronic |
| D.O. (mg/L) | --- | 3.0 |
| pH | 3.7-9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | 100 | --- |
| Nitrite | 10 | ~~10~~ --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

8. Mainstem of Mineral Creek, including wetlands, from the source to a point immediately above the confluence with South Mineral Creek. All tributaries on the east side of this segment of Mineral Creek including wetlands, except for Big Horn Creek. Mainstem of the Middle Fork of Mineral Creek including all tributaries and wetlands from the source to the confluence with Mineral Creek except for Crystal Lake and its exiting tributary to confluence with Middle Fork of Mineral Creek.

| COSJAF08 | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Recreation E |

**Qualifiers:**

**Other:**

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | acute | chronic |
| D.O. (mg/L) | --- | 3.0 |
| pH | 4.5-9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | 100 | --- |
| Nitrite | 10 | ~~10~~ --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

9. Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.

| COSJAF09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2* |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Classification: Aquatic Life indicator goal: Macroinvertebrates; Brook Trout corridor
*Aluminum(chronic) = Standards are listed on Table 1.
*Copper(chronic) = Standards are listed on Table 1.
*Iron(chronic) = Standards are listed on Table 1.
*Zinc(chronic) = Standards are listed on Table 1.
*pH(acute) = Standards are listed on Table 1.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | varies* | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | varies* |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS(tr) |
| Chromium III | TVS | TVS |
| Chromium III | 50(T) | --- |
| Chromium VI | TVS | TVS |
| Copper | TVS | varies* |
| Iron | --- | WS |
| Iron | --- | varies* |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | varies* |

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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

10a. Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.

| COSJAF10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

10b. Mainstem of the Florida River from the outlet of Lemon Reservoir to the Florida Farmers Canal Headgate (37.295157, -107.791794).

| COSJAF10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |
| Zinc | --- | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

11a. Mainstem of the Florida River from the Florida Farmers Canal Headgate (37.295157, -107.791794) to the Southern Ute Indian Reservation boundary (37.214724, -107.746734).

| COSJAF11A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 ~~CS-II~~ | 9 ~~CS-II~~ |
| Temperature °C | 4/1 - 10/31 | 27.2 | 21.6 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11b. Mainstem of the Florida River from the Southern Ute Indian Reservation boundary (37.214724, -107.746734) to the confluence with the Animas River.

| COSJAF11B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 28.0 | 22.7 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

11c. all tributaries to the Florida River from the Southern Ute Indian Reservation boundary to the confluence with the Animas River.

| COSJAF11C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).

*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 28.0 | 22.7 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11* |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12a. All tributaries to the Animas River from a point immediately above the confluence with Elk Creek to a point immediately below the confluence with Hermosa Creek except for specific listings in Segments 12b, 12c and 15. All tributaries to the Florida River from the source to below the confluence with Mud Spring Creek, except the specific listing in Segment 1.

| COSJAF12A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).

*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

12b. Lemon Reservoir.

| COSJAF12B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12c. Hermosa Creek, including all tributaries, from the source to immediately below the confluence with Long Hollow, except for the East Fork of Hermosa Creek.

| COSJAF12C | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

12d. Mainstem of Junction Creek, including all tributaries, from the source to the U.S. Forest Boundary. Mainstem of Falls Creek, including all tributaries, from the source to the confluence with the Animas River.

| COSJAF12D | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

13a. Mainstem of Junction Creek including all tributaries, from the U.S. Forest Boundary to the confluence with Animas River.

| COSJAF13A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish ~~Ingestion~~ Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

13b. All tributaries to the Animas River from a point immediately below the confluence with Hermosa Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 12d, 13a, 14a and 14b; all tributaries to the Florida River, from a point immediately below the confluence with Mud Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 12d.

| COSJAF13B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

Discharger Specific Variance(s):

Ammonia(ac/ch) = TVS:15 mg/L

Expiration Date of 12/31/2024

*Variance: Ammonia = see 34.6(4) for details.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-~~I~~II | CS-~~I~~II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

13c. Mainstem of the unnamed tributary to Coal Gulch which crosses Highway 160 at (37.267877, -107.961598) from the source to the confluence with Coal Gulch.

| COSJAF13C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Fish Ingestion**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11* |
| Sulfate | --- = | 250 |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

13d. Brice Draw, including all tributaries, from its source to the Southern Ute Indian Reservation Boundary.

| COSJAF13D | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 3.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | 100 | --- |
| Nitrite | 10 | ~~10~~ --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

~~13c~~13e. All tributaries to the Animas River from the Southern Ute Indian Reservation boundary to ~~the Colorado/New Mexico border, except for Segment 11b; all tributaries to the Florida River from the Southern Ute Indian Reservation boundary to~~below the confluence with ~~the Animas River~~Basin Creek.

| ~~COSJAF13C~~COSJAF13E | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

13f. All tributaries to the Animas River from below the confluence with Basin Creek to the Colorado/New Mexico border, except for Segment 11b.

| COSJAF13F | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**
**Water + Fish Standards**

**Other:**
Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 18.3 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14a. Mainstem of Lightner Creek, including all tributaries, from the source to below the confluence with Deep Creek.

| COSJAF14A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**
Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

14b. Mainstem of Lightner Creek, including all tributaries, from below the confluence with Deep Creek to the confluence with the Animas River.

| COSJAF14B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

15. Mainstem of Purgatory Creek from the source to Cascade Creek; Goulding Creek from the source to Elbert Creek; and Nary Draw from the source to Haviland Lake.

| COSJAF15 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

16. All lakes and reservoirs tributary to the Animas River and Florida River which are within the Weminuche Wilderness Area. This segment includes Lillie Lake, Castilleja Lake, City Reservoir, Emerald Lake, Ruby Lake, Balsam Lake, Garfield Lake, Vestal Lake, Eldorado Lake, Highland Mary Lakes, Verde Lakes, Lost Lake, and Crater Lake.

| COSJAF16 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

17. All lakes tributary to Arrastra Gulch from the source to the confluence with the Animas River. This segment includes Silver Lake.

| COSJAF17 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

18. All lakes and reservoirs tributary to Cinnamon Creek, Grouse Creek, Picayne Gulch, Minnie Gulch and Eureka Gulch. All lakes and reservoirs tributary to the Animas River from immediately above Maggie Gulch to Elk Park except for those listed under Segments 16, 17,19, and 20. This segment includes Molas Lake, Bullion King Lake, Columbine Lake, Clear Lake, Island Lake, Ice Lake, Fuller Lake and Crystal Lake.

| COSJAF18 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

19. All lakes and reservoirs tributary to Cement Creek from the source to the confluence with the Animas River.

| COSJAF19 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

20. All lakes and reservoirs on the east side of Mineral Creek from the source to a point immediately above the confluence with South Mineral Creek. All lakes and reservoirs tributary to the Middle Fork of Mineral Creek from the source to the confluence with Mineral Creek except for the specific listings in Segment 18.

| COSJAF20 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

21. All lakes and reservoirs tributary to the Animas River from a point immediately above the confluence with Elk Creek to a point immediately below the confluence with Hermosa Creek except for the specific listing in Segment 12b. All lakes and reservoirs tributary to the Florida River from the source to the outlet of Lemon Reservoir, except the specific listing in Segment 16. This segment includes Little Molas Lake, Andrews Lake, Potato Lake, Scout Lake, Boyce Lake, Columbine Lake, Haviland Lake, Henderson Lake, Ruby Lake, Pear Lake, Webb Lake, Shalona Lake, Stratton Lake, and Wallace Lake.

| COSJAF21 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

22. Electra Lake. Lake Nighthorse.

| COSJAF22 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

23. All lakes and reservoirs tributary to the Animas River from a point immediately below the confluence with Hermosa Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 13a and 14; all lakes and reservoirs tributary to the Florida River, from the outlet of Lemon Reservoir to the Southern Ute Indian Reservation boundary. This segment includes Chapman Lake and City Res No 1.

| COSJAF23 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to City Reservoir #1 and Lake Durango only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basin

24. All lakes and reservoirs tributary to the Animas River, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border. This segment includes Pastorius Reservoir.

| COSJAF24 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*Southern Ute Indian Reservation

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

1. Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.

| COSJLP01 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

2a. Mainstem of the La Plata River from the Hay Gulch diversion south of Hesperus to the boundary of Southern Ute Indian Reservation.

| COSJLP02A | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-II | CS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

2b. Mainstem of the La Plata River from the boundary of the Southern Ute Indian Reservation to ~~the Colorado/New Mexico border.~~above the confluence with Cherry Creek.

| COSJLP02B | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation P~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | ~~WS-II~~13 | ~~WS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 19.5 |

| | | acute | chronic |
|---|---|---|---|
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~205~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2c. Mainstem of the La Plata River from the confluence with Cherry Creek to above the confluence with Long Hollow Reservoir. Long Hollow Reservoir, including all tributaries, from the source to the confluence with the La Plata River.

| COSJLP02C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 24.3 | 20.3 |

| | | acute | chronic |
|---|---|---|---|
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

2d. Mainstem of the La Plata River from Long Hollow Reservoir to the confluence with Long Hollow Reservoir.

| COSJLP02D | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Southern Ute Indian Reservation

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/31 | 13 | 9 |
| Temperature °C | 4/1 - 10/31 | 24.8 | 20.5 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

3a. All tributaries to the La Plata River, including all wetlands, from the Hay Gulch diversions south of Hesperus to the Southern Ute Indian Reservation boundary, except for specific listing in Segment 3c~~.~~, 3d and 3e.

| COSJLP03A | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation N |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 630 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

3b. All tributaries to the La Plata River, including all wetlands, from the boundary of the Southern Ute Indian Reservation to the Colorado/New Mexico border.

| COSJLP03B | Classifications |
|---|---|
| Designation | Agriculture |
| ~~UP~~ | Aq Life Warm 2 |
| | Recreation N |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*Southern Ute Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 630 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

3c. Cherry Creek, including all tributaries and wetlands, from the source to the boundary of the Southern Ute Indian Reservation boundary.

| COSJLP03C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

3d. East Cherry Creek from the source to the confluence with Cherry Creek.

| COSJLP03D | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

3e. East Alkali Gulch from the source to the Southern Ute Indian Boundary. Hay Gulch, including all tributaries, from the source to the Southern Ute Indian Boundary.

| COSJLP03E | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Cold 2 |
| | Recreation N |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 630 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | 100(T) |
| Chromium III | --- | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

4a. Mainstem of the Mancos River, including all wetlands and tributaries, from the source of the East, West and Middle Forks to the San Juan National Forest Boundary.

| COSJLP04A | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-I | CS-I |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4b. Mancos Reservoir (Jackson Gulch Reservoir).

| COSJLP04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Jackson Gulch Reservoir only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

4c. Mainstem of the Mancos River, including all wetlands, tributaries, from below the San Juan National Forest Boundary to Hwy 160. Chicken Creek, including all tributaries, from its source to the confluence with the Mancos River.

| COSJLP04C | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-II | CS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~5a.~~5. Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation and mainstem of Weber Canyon from source to ~~confluence with Mancos River.~~boundary of the Ute Mountain Ute Indian Reservation.

| ~~COSJLP05A~~COSJLP05 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

5b. Mainstem of the Mancos River from the boundary of the Ute Mountain Indian Reservation to the Colorado/New Mexico border.

| COSJLP05B | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Warm 1 | |
| | Recreation E | 5/1 - 10/31 |
| | Recreation N | 11/1 - 4/30 |

**Qualifiers:**

**Other:**

*Ute Mountain Indian Reservation

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | acute | chronic |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- - |
| chlorophyll a (mg/m2) | | --- | --- - |
| E. Coli (per 100 mL) | 5/1 - 10/31 | --- | 126 |
| E. Coli (per 100 mL) | 11/1 - 4/30 | --- | 630 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- - | 0.75 |
| Chloride | --- - | --- - |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- - |
| Nitrate | 100 | --- - |
| Nitrite | --- - | 0.05 |
| Phosphorus | --- - | --- - |
| Sulfate | --- - | --- - |
| Sulfide | --- - | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

6a. All tributaries to the Mancos River, including all wetlands, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation, except for specific listings in segment 4c, 5a ~~and 6c.~~, 6b and 6c. Navajo Wash, including all tributaries, from the source to the Ute Mountain Indian Reservation Boundary.

| COSJLP06A | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | Recreation ~~NP~~ | ~~11/1 - 4/30~~ |
| | ~~Recreation P~~ | ~~5/1 - 10/31~~ |

**Qualifiers:**

**Other:**

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

East Fork of Muddy Creek, including all tributaries, from the source to the confluence with the West Fork of Muddy Creek. East Canyon from the source to the confluence with Joes Canyon.

| COSJLP06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

6b. All tributaries to the Mancos River, including all wetlands, from the boundary of the Ute Mountain Indian Reservation to the Colorado/New Mexico border.

| COSJLP06B | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | Recreation N | 11/1 - 4/30 |
| | Recreation P | 5/1 - 10/31 |
| Qualifiers: | | |
| Other: | | |
| *Ute Mountain Indian Reservation | | |

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WS-II | WS-II |
| | | acute | chronic |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- - |
| chlorophyll a (mg/m2) | | --- | --- - |
| E. Coli (per 100 mL) | 5/1 - 10/31 | --- | 205 |
| E. Coli (per 100 mL) | 11/1 - 4/30 | --- | 630 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- - | 0.75 |
| Chloride | --- - | --- - |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- - |
| Nitrate | 100 | --- - |
| Nitrite | --- - | 0.05 |
| Phosphorus | --- - | --- - |
| Sulfate | --- - | --- - |
| Sulfide | --- - | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6c. All tributaries to the Mancos River located in Mesa Verde National Park.

| COSJLP06C | Classifications |
|---|---|
| Designation | Agriculture |
| OW | Aq Life Warm 1 |
| | Recreation E |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS100(T) |
| Chromium III | --- | 100(T)TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | --- |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

7a. Mainstem of McElmo Creek from the source to the ~~Colorado/Utah border, except for the specific listings in Segment 7b~~confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.

| COSJLP07A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Ammonia(acute) = ~~old TVS~~current conditions
Ammonia(chronic) = ~~0.06~~current conditions
Expiration Date of 6/30/~~2018~~ 2020

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 2200(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7b. Mainstem of McElmo Creek from the confluence with Alkali Canyon from the source to the Colorado/Utah border, except portion within the Ute Mountain Indian Reservation.

| COSJLP07B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

~~*Ute Mountain Indian Reservation~~

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~100~~10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~7.6~~0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | ~~1000~~2200(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

~~8a~~8. All tributaries to McElmo Creek, including all wetlands, from the source to the Colorado/Utah border, except for the portions within the Ute Mountain Indian Reservation and except for specific listings in Segments 7a, 8b~~, 8c~~ and 11.

| ~~COSJLP08A~~COSJLP08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| ~~UP~~ | Aq Life Warm 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | 50(T) | --- |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~8b. All tributaries to McElmo Creek, including all wetlands, within the Ute Mountain Indian Reservation.~~

| ~~COSJLP08B~~ | ~~Classifications~~ |
|---|---|
| ~~Designation~~ | ~~Agriculture~~ |
| ~~UP~~ | ~~Aq Life Warm 2~~ |
| | ~~Recreation E~~ |

~~Qualifiers:~~

~~Other:~~

~~*Ute Mountain Indian Reservation~~

| ~~Physical and Biological~~ | ~~DM~~ | ~~MWAT~~ |
|---|---|---|
| ~~Temperature °C~~ | ~~WS-II~~ | ~~WS-II~~ |
| | ~~acute~~ | ~~chronic~~ |
| ~~D.O. (mg/L)~~ | ~~---~~ | ~~5.0~~ |
| ~~pH~~ | ~~6.5 - 9.0~~ | ~~---~~ [-] |
| ~~chlorophyll a (mg/m2)~~ | ~~---~~ | ~~---~~ [-] |
| ~~E. Coli (per 100 mL)~~ | ~~---~~ | ~~126~~ |
| ~~Inorganic (mg/L)~~ | | |
| | ~~acute~~ | ~~chronic~~ |
| ~~Ammonia~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Boron~~ | ~~---~~ [-] | ~~0.75~~ |
| ~~Chloride~~ | ~~---~~ [-] | ~~---~~ [-] |
| ~~Chlorine~~ | ~~0.019~~ | ~~0.011~~ |
| ~~Cyanide~~ | ~~0.005~~ | ~~---~~ [-] |
| ~~Nitrate~~ | ~~100~~ | ~~---~~ [-] |
| ~~Nitrite~~ | ~~---~~ [-] | ~~0.05~~ |
| ~~Phosphorus~~ | ~~---~~ [-] | ~~---~~ [-] |
| ~~Sulfate~~ | ~~---~~ [-] | ~~---~~ [-] |
| ~~Sulfide~~ | ~~---~~ [-] | ~~0.002~~ |

| ~~Metals (ug/L)~~ | ~~acute~~ | ~~chronic~~ |
|---|---|---|
| ~~Aluminum~~ | ~~---~~ | ~~---~~ |
| ~~Arsenic~~ | ~~340~~ | ~~100(T)~~ |
| ~~Beryllium~~ | ~~---~~ | ~~---~~ |
| ~~Cadmium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~---~~ | ~~100(T)~~ |
| ~~Chromium VI~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Copper~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Iron~~ | ~~---~~ | ~~1000(T)~~ |
| ~~Lead~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Manganese~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Mercury~~ | ~~---~~ | ~~0.01(t)~~ |
| ~~Molybdenum~~ | ~~---~~ | ~~160(T)~~ |
| ~~Nickel~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Selenium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Silver~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Uranium~~ | ~~---~~ | ~~---~~ |
| ~~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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

8c9. Unnamed tributary to Ritter Draw (confluence at 37.40216, -4059, -108.54582) 5325), and mainstem of Ritter Draw from this unnamed tributary to the confluence with Simon Draw. Simon Draw from the confluence with Cash Canyon to the confluence with McElmo Creek.

| COSJLP08C COSJLP09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Ammonia(ac/ch) = current conditions

Expiration Date of 6/30/20182020

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-IIII | WS-IIII |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | 250 |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

9. Mainstem of the San Juan River in Montezuma County.

| COSJLP09 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Ute Mountain Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | 0.5 |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 2200(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

10a. All tributaries to the San Juan River in Montezuma Dolores and San Miguel Counties, including all wetlands, except for the specific listings in Segments 2 through 8c and Segments 10b and 11.

| ~~COSJLP10A~~COSJLP10 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

10b. All tributaries to the San Juan River in Montezuma County within the Ute Mountain Indian Reservation, including all wetlands, except for the specific listings in Segments 2 through 8c.

| COSJLP10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

*Ute Mountain Indian Reservation

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | --- = |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | --- = | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | --- = |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

11. Narraguinnep, Puett and Totten Reservoirs.

| COSJLP11 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12. All lakes and reservoirs tributary to the La Plata River from the source to the Hay Gulch diversion south of Hesperus.

| COSJLP12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

13. All lakes and reservoirs tributary to the La Plata River from the Hay Gulch diversions south of Hesperus to the Southern Ute Indian Reservation boundary.

| COSJLP13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| **Qualifiers:** | |
| **Other:** | |

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. All lakes and reservoirs tributary to the La Plata River from the boundary of the Southern Ute Indian Reservation to the Colorado/New Mexico border. The segment includes Mormon Reservoir.

| COSJLP14 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| **Qualifiers:** | |
| **Fish Ingestion ~~Standards~~** | |
| **Other:** | |

*Southern Ute Indian Reservation
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

15. All lakes and reservoirs tributary to the Mancos River from the source of the East, West and Middle Forks to Hwy 160, except for the specific listing in Segment 4b. This segment includes Weber Reservoir, Bauer Lake, Little Bauer Reservoir, Hackley Reservoir, Joe Moore Reservoir, and Coppinger Reservoir.

| COSJLP15 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CL | CL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 8* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

16. All lakes and reservoirs tributary to the Mancos River, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation.

| COSJLP16 | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| Reviewable | Aq Life Warm 2 | |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | Recreation P | ~~5/1 - 10/31~~ |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 20* |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 205 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~21~~17. All lakes and reservoirs tributary to the San Juan River in Montezuma Dolores and San Miguel Counties except for the specific listings in Segments 4b, ~~and~~ 11 through ~~20~~16, 18 and 19.

| ~~COSJLP21~~COSJLP17 | Classifications |
|---|---|
| Designation | Agriculture |
| ~~UP~~Reviewable | Aq Life Warm 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | | --- | 20* |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

~~17. All lakes and reservoirs tributary to the Mancos River, from the boundary of the Ute Mountain Indian Reservation to the Colorado/New Mexico border.~~

| ~~COSJLP17~~ | ~~Classifications~~ | |
|---|---|---|
| ~~Designation~~ | ~~Agriculture~~ | |
| ~~Reviewable~~ | ~~Aq Life Warm 2~~ | |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |
| | ~~Recreation P~~ | ~~5/1 - 10/31~~ |

~~Qualifiers:~~

~~Other:~~

~~*Ute Mountain Indian Reservation~~

| ~~Physical and Biological~~ | | | |
|---|---|---|---|
| | | ~~DM~~ | ~~MWAT~~ |
| ~~Temperature °C~~ | | ~~WL~~ | ~~WL~~ |
| | | ~~acute~~ | ~~chronic~~ |
| ~~D.O. (mg/L)~~ | | ~~---~~ | ~~5.0~~ |
| ~~pH~~ | | ~~6.5 - 9.0~~ | ~~---~~ |
| ~~chlorophyll a (mg/m2)~~ | | ~~---~~ | ~~---~~ |
| ~~E. Coli (per 100 mL)~~ | ~~5/1 - 10/31~~ | ~~---~~ | ~~205~~ |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

| ~~Inorganic (mg/L)~~ | | |
|---|---|---|
| | ~~acute~~ | ~~chronic~~ |
| ~~Ammonia~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Boron~~ | ~~---~~ | ~~0.75~~ |
| ~~Chloride~~ | ~~---~~ | ~~---~~ |
| ~~Chlorine~~ | ~~0.019~~ | ~~0.011~~ |
| ~~Cyanide~~ | ~~0.005~~ | ~~---~~ |
| ~~Nitrate~~ | ~~100~~ | ~~---~~ |
| ~~Nitrite~~ | ~~---~~ | ~~0.05~~ |
| ~~Phosphorus~~ | ~~---~~ | ~~---~~ |
| ~~Sulfate~~ | ~~---~~ | ~~---~~ |
| ~~Sulfide~~ | ~~---~~ | ~~0.002~~ |

| ~~Metals (ug/L)~~ | | |
|---|---|---|
| | ~~acute~~ | ~~chronic~~ |
| ~~Aluminum~~ | ~~---~~ | ~~---~~ |
| ~~Arsenic~~ | ~~340~~ | ~~100(T)~~ |
| ~~Beryllium~~ | ~~---~~ | ~~---~~ |
| ~~Cadmium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~---~~ | ~~100(T)~~ |
| ~~Chromium VI~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Copper~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Iron~~ | ~~---~~ | ~~1000(T)~~ |
| ~~Lead~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Manganese~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Mercury~~ | ~~---~~ | ~~0.01(t)~~ |
| ~~Molybdenum~~ | ~~---~~ | ~~160(T)~~ |
| ~~Nickel~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Selenium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Silver~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Uranium~~ | ~~---~~ | ~~---~~ |
| ~~Zinc~~ | ~~TVS~~ | ~~TVS~~ |

18. All lakes and reservoirs tributary to Yellow Jacket Creek, from the source to the confluence with McElmo Creek.

| COSJLP18 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

Qualifiers:

Other:

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| Temperature °C | WL | WL |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | | |
|---|---|---|
| | acute | chronic |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | acute | chronic |
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 2200(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

19. All lakes and reservoirs tributary to McElmo Creek from the source to the Colorado/Utah border, except for ~~specific listings in Segments 20.~~those within the Ute Mountain Indian Reservation. This segment includes Denny Lake.

| COSJLP19 | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |

**Qualifiers:**

**Fish Ingestion**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~20. All lakes and reservoirs tributary to McElmo Creek within the Ute Mountain Indian Reservation.~~

| ~~COSJLP20~~ | ~~Classifications~~ |
|---|---|
| ~~Designation~~ | ~~Agriculture~~ |
| ~~UP~~ | ~~Aq Life Warm 2~~ |
| | ~~Recreation E~~ |

~~**Qualifiers:**~~

~~**Other:**~~

~~*Ute Mountain Indian Reservation~~

| ~~Physical and Biological~~ | ~~DM~~ | ~~MWAT~~ |
|---|---|---|
| ~~Temperature °C~~ | ~~WL~~ | ~~WL~~ |
| | ~~**acute**~~ | ~~**chronic**~~ |
| ~~D.O. (mg/L)~~ | ~~---~~ | ~~5.0~~ |
| ~~pH~~ | ~~6.5 - 9.0~~ | ~~---~~ |
| ~~chlorophyll a (mg/m2)~~ | ~~---~~ | ~~---~~ |
| ~~E. Coli (per 100 mL)~~ | ~~---~~ | ~~126~~ |

| ~~Inorganic (mg/L)~~ | ~~acute~~ | ~~chronic~~ |
|---|---|---|
| ~~Ammonia~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Boron~~ | ~~---~~ | ~~0.75~~ |
| ~~Chloride~~ | ~~---~~ | ~~---~~ |
| ~~Chlorine~~ | ~~0.019~~ | ~~0.011~~ |
| ~~Cyanide~~ | ~~0.005~~ | ~~---~~ |
| ~~Nitrate~~ | ~~100~~ | ~~---~~ |
| ~~Nitrite~~ | ~~---~~ | ~~0.05~~ |
| ~~Phosphorus~~ | ~~---~~ | ~~---~~ |
| ~~Sulfate~~ | ~~---~~ | ~~---~~ |
| ~~Sulfide~~ | ~~---~~ | ~~0.002~~ |

| ~~Metals (ug/L)~~ | ~~acute~~ | ~~chronic~~ |
|---|---|---|
| ~~Aluminum~~ | ~~---~~ | ~~---~~ |
| ~~Arsenic~~ | ~~340~~ | ~~100(T)~~ |
| ~~Beryllium~~ | ~~---~~ | ~~---~~ |
| ~~Cadmium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Chromium III~~ | ~~---~~ | ~~100(T)~~ |
| ~~Chromium VI~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Copper~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Iron~~ | ~~---~~ | ~~1000(T)~~ |
| ~~Lead~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Manganese~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Mercury~~ | ~~---~~ | ~~0.01(t)~~ |
| ~~Molybdenum~~ | ~~---~~ | ~~160(T)~~ |
| ~~Nickel~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Selenium~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Silver~~ | ~~TVS~~ | ~~TVS~~ |
| ~~Uranium~~ | ~~---~~ | ~~---~~ |
| ~~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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

22. All lakes and reservoirs tributary to the San Juan River in Montezuma County within the Ute Mountain Indian Reservation except for the specific listings in Segments 17 and 20 and 21.

| COSJLP22 | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| Qualifiers: | |
| Other: | |
| *Ute Mountain Indian Reservation | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- - |
| chlorophyll a (mg/m2) | --- | --- - |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | TVS | TVS |
| Boron | --- - | 0.75 |
| Chloride | --- - | --- - |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- - |
| Nitrate | 100 | --- - |
| Nitrite | --- - | --- - |
| Phosphorus | --- - | --- - |
| Sulfate | --- - | --- - |
| Sulfide | --- - | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

1. All tributaries to the Dolores River and West Dolores River, including all wetlands, tributaries, which are within the Lizard Head Wilderness area.

| COSJDO01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

2. Mainstem of the Dolores River from the source to a point immediately above the confluence with Horse Creek.

| COSJDO02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

3. Mainstem of the Dolores River from a point immediately above the confluence with Horse Creek to a point immediately above the confluence with Bear Creek.

| COSJDO03 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | 50(T) | --- |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~255~~TVS |
| Manganese | --- | ~~TVS~~255 |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4a. Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line).

| COSJDO04A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 34.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

4b. McPhee Reservoir and Summit Reservoir.

| COSJDO04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to McPhee Reservoir only.
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | 21.0CLL B |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVSWS |
| Manganese | --- | WSTVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

5a. All tributaries to the Dolores River and West Dolores River, including all wetlands, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 1 and 5b through 10~~; mainstem of Beaver Creek (including Plateau Creek) from the source to the confluence with the Dolores River.~~.

| COSJDO05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Zinc(chronic) = Chronic zinc sculpin standard applies to Silver Creek and Fish Creek.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

5b. Mainstem of Rio Lado from the source to the confluence with the Dolores River. Mainstem of Spring Creek from the source to the confluence with Stoner Creek. Mainstem of Little Taylor Creek from the source to the confluence with Taylor Creek.

| COSJDO05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |

5c. Beaver Creek and Plateau Creek, including all tributaries, from the source to the confluence with the Dolores River.

| COSJDO05C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Zinc(chronic) = Chronic zinc sculpin standard applies to Silver Creek and Fish Creek.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

6. Mainstem of the Slate Creek and Coke Oven Creek, from the Lizard Head Wilderness Area boundary to their confluences with the Dolores River.

| COSJDO06 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | acute | chronic |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7. Mainstem of Coal Creek from the boundary of the Lizard Head Wilderness Area to the confluence with the Dolores River.

| COSJDO07 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | acute | chronic |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

8. Mainstem of Horse Creek from the source to the confluence with the Dolores River.

| COSJDO08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

9. Mainstem of Silver Creek from a point immediately below the Town of Rico's water supply diversion to the confluence with the Dolores River.

| COSJDO09 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 ~~2~~ | |
| | Recreation E | ~~5/1 - 10/31~~ |
| | ~~Recreation N~~ | ~~11/1 - 4/30~~ |

**Qualifiers:**
**Fish Ingestion**

**Other:**
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | CS-I | CS-I |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | 150 |
| E. Coli (per 100 mL) | ~~5/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 4/30~~ | ~~---~~ | ~~630~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02~~7.6~~(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| ~~Chromium III~~Cadmium | ~~TVS~~SSE* | ~~TVS~~--- |
| Chromium III | --- | 100(T) |
| Chromium III | TVS | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

~~10~~10a. Mainstem of the West Dolores River from the Lizard Head Wilderness Area boundary to above the confluence with ~~the Dolores River~~Fish Creek.

| ~~COSJDO10~~COSJDO10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 50 |
| Manganese | --- | WS |
| Manganese | --- | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

10b. Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.

| COSJDO10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 50 |
| Manganese | --- | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

~~11. All tributaries to the Dolores River, including all wetlands, from a point immediately below the confluence of the West Dolores River, to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line), except for the specific listing in Segments 4 and 5.~~11a. Lost Canyon, including all tributaries, form the source to the Forest Service Boundary.

| ~~COSJDO11~~COSJDO11~~A~~ | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 50 |
| Manganese | --- | WS |
| Manganese | --- | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

11b. All tributaries to the Dolores River, including all wetlands, from a point immediately below the confluence of the West Dolores River to the inlet of McPhee Reservoir, except for the specific listing in Segments 4a and 11a.

| COSJDO11B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 50 |
| Manganese | --- | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

11c. All tributaries to McPhee Reservoir, except for the specific listings in Segments 4a, 5c, 11b. All tributaries to the Dolores River from the outlet of McPhee Reservoir to the to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line).

| COSJDO11C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Zinc(chronic) = Chronic zinc sculpin standard applies to Silver Creek and Fish Creek.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

12. All lakes, and reservoirs tributary to the Dolores River and West Dolores River, which are within the Lizard Head Wilderness area. This segment includes Navajo Lake.

| COSJDO12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

13. Groundhog Reservoir.

| COSJDO13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. All lakes and reservoirs tributary to the Dolores River and West Dolores River, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 12 and 13.

| COSJDO14 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Dolores River Basin

15. All lakes and reservoirs which are tributary to the Dolores River from a point immediately below the confluence of the West Dolores River, to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line), except for the specific listing in Segment 4b. This segment includes Campbell Reservoir, Summers Reservoir, Red Lake, and Long Draw Reservoir.

| COSJDO15 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.

TABLE 1

ANIMAS RIVER BASIN
AQUATIC LIFE INDICATOR GOAL: BROOK TROUT

Segment 3a
Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | TVS | TVS | TVS | 3.5 | 2.2 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Mn | TVS | TVS | 2571 | 2179 | TVS | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Segment 4a

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 5.9-9.0 | 5.7-9.0 | 6.2-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 5.9-9.0 |
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Fe | 3473 | 2961 | 3776 | 3404 | 2015 | 1220 | 1286 | 1830 | 1623 | 2258 | 2631 | 3511 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Segment 9

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 4.9-9.0 | 4.8-9.0 | 4.9-9.0 | 5.9-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.2-9.0 | 5.4-9.0 |
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |
| Cu | TVS | TVS | TVS | 18 | 20 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Fe | 3420 | 3800 | 4370 | 3370 | 3150 | 2210 | 2275 | 2280 | 3020 | 3580 | 3620 | 3490 |
| Zn | TVS | TVS | TVS | TVS | 230 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |

# EXHIBIT 2
# WATER QUALITY CONTROL DIVISION

**DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Water Quality Control Commission**

**REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS**

**5 CCR 1002-35**

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## 35.1 AUTHORITY

These regulations are promulgated pursuant to section 25-8-101 et seq. C.R.S., as amended, and in particular, 25-8-203 and 25-8-204.

## 35.2 PURPOSE

These regulations establish classifications and numeric standards for the Gunnison River/Lower Dolores River Basins, including all tributaries and standing bodies of water. This includes all or parts of Gunnison, Delta, Montrose, Ouray, Mesa, Saguache and Hinsdale Counties. This also includes the lower Dolores River and its tributaries in Dolores, Montrose, Mesa and San Miguel Counties. The classifications identify the actual beneficial uses of the water. The numeric standards are assigned to determine the allowable concentrations of various parameters. Discharge permits will be issued by the Water Quality Control Division to comply with basic, narrative, and numeric standards and control regulations so that all discharges to waters of the state protect the classified uses. ~~(See Regulation No. 31, section 31.14).~~ It is intended that these and all other stream classifications and numeric standards be used in conjunction with and be an integral part of Regulation No. 31 Basic Standards and Methodologies for Surface Water.

## 35.3 INTRODUCTION

These regulations and tables present the classifications and numeric standards assigned to stream segments listed in the attached tables (See ~~section 35.6(4)~~Appendix 35-1). As additional stream segments are classified and numeric standards for designated parameters are assigned for this drainage system, they will be added to or replace the numeric standards in the tables in ~~section 35.6(4)~~Appendix 35-1. Any additions or revisions of classifications or numeric standards can be accomplished only after public hearing by the Commission and proper consideration of evidence and testimony as specified by the statute and the "basic regulations".

## 35.4 DEFINITIONS

See the Colorado Water Quality Control Act and the codified water quality regulations for definitions.

## 35.5 BASIC STANDARDS

(1) TEMPERATURE

All waters of the Gunnison/Lower Dolores River Basins are subject to the following standard for temperature. (Discharges regulated by permits, which are within the permit limitations, shall not

be subject to enforcement proceedings under this standard). Temperature shall maintain a normal pattern of diurnal and seasonal fluctuations with no abrupt changes and shall have no increase in temperature of a magnitude, rate, and duration deemed deleterious to the resident aquatic life. This standard shall not be interpreted or applied in a manner inconsistent with section 25-8-104, C.R.S.

(2) QUALIFIERS

See Basic Standards and Methodologies for Surface Water for a listing of organic standards at 31.11 and metal standards found at 31.16 Table III. The column in the tables headed "Water + Fish" are presumptively applied to all aquatic life class 1 streams which also have a water supply classification, and are applied to aquatic life class 2 streams which also have a water supply classification, on a case-by-case basis as shown in ~~the Tables 35.6(4)~~Appendix 35-1. The column in the tables at 31.11 and 31.16 Table III headed "Fish Ingestion" is presumptively applied to all aquatic life class 1 streams which do not have a water supply classification, and are applied to aquatic life class 2 streams which do not have a water supply classification, on a case-by-case basis as shown in ~~Tables 35.6(4)~~Appendix 35-1.

(3) URANIUM

(a) All waters of the Gunnison/Lower Dolores River Basin~~,~~ are subject to the following basic standard for uranium, unless otherwise specified by a water quality standard applicable to a particular segment. However, discharges of uranium regulated by permits which are within these permit limitations shall not be a basis for enforcement proceedings under this basic standard.

(b) Uranium level in surface waters shall be maintained at the lowest practicable level.

(c) In no case shall uranium levels in waters assigned a water supply classification be increased by any cause attributable to municipal, industrial, or agricultural discharges so as to exceed 16.8-30 µg/l or naturally-occurring concentrations (as determined by the State of Colorado), whichever is greater.

(i) The first number in the 16.8-30 ~~ug~~µg/l 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.

(4) NUTRIENTS

Prior to May 31, 2022, interim nutrient values will be considered for adoption only in the limited circumstances defined at 31.17(e). These circumstances include headwaters, Direct Use Water Supply (DUWS) Lakes and Reservoirs, and other special circumstances determined by the Commission. Additionally, prior to May 31, 2017, only total phosphorus and chlorophyll *a* will be considered for adoption. After May 31, 2017, total nitrogen will be considered for adoption per the circumstances outlined in 31.17(e).

Prior to May 31, 2022, nutrient criteria will be adopted for headwaters on a segment by segment basis for the Gunnison/Lower Dolores River Basin. Moreover, pursuant to 31.17(e) nutrient standards will only be adopted for waters upstream of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation 85 effluent limits and discharging prior to May 31, 2012. The following is a list of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation 85 effluent limits and discharging prior to May 31, 2012 in the Gunnison/Lower Dolores River Basin:

| Segment | Permittee Name | Facility Name | Permit No. |
|---|---|---|---|
| COGUUG04 | Almont Sewage Hereafter In Transit Plant | ALMONT WWTF | COG588012 |
| COGUSM04 | Wick Hospitality Group LLC | BLUE JAY RESTAURANT AND LODGE | COG588113 |
| COGUUG14 | Camp Gunnison Inc | CAMP GUNNISON CHURCH CAMP | COG588112 |
| COGULG09 | Cedaredge Town of | CEDAREDGE WWTF | CO0031984 |
| COGUNF06 | Crawford Town of | CRAWFORD WWTF | CO0037729 |
| COGUUG05 | Crested Butte South Metro District | CRESTED BUTTE SOUTH METRO DIST WWTF | COG588045 |
| COGUUG08 | Crested Butte Town of | CRESTED BUTTE TOWN OF WWTF | CO0020443 |
| COGULG06b | Delta Correctional Center | DELTA CORRECTIONAL CENTER | COG588032 |
| COGULG02 | Delta City of | DELTA WWTF | CO0039641 |
| COGUUG05 | East River Regional Sanitation District | EAST RIVER REGIONAL SD WWTF | COG588079 |
| COGUUN10 | Elk Meadows Estates | ELK MEADOWS WWTF | COG589091 |
| COGUSM04a | Fall Creek HOA | FALL CREEK | COG588119 |
| COGUUG14 | Gunnison City of | GUNNISON CITY OF | CO0041530 |
| COGULG07b | Volunteers of America Care Fac | HORIZON HEALTH CARE & RETIREMENT COMMUNITY | CO0042617 |
| COGUNF03 | Hotchkiss Town of | HOTCHKISS TOWN OF | CO0044903 |
| COGUSM08 | Stemz LLC | ILIUM POWER STATION CHURCH CAMP | COG588033 |
| COGUNF04a,c | Scarp Ridge Lodge | IRWIN MOUNTAIN LODGE | CO0045217 |
| COGUUG29a | L and N Inc | L & N INC | COG588052 |
| COGUUG29a | Lake City Town of | LAKE CITY WWTF | CO0040673 |
| COGUSM03b | Last Dollar PUD Improvements Assn | LAST DOLLAR WWTF | COG588005 |
| COGUSM03b | Ilium Park Owners Association | LAWSON HILL PUD ILLIUM VALLEY WWTF | COG588021 |
| COGUUN04b | Montrose City of | MONTROSE WWTP | CO0039624 |
| COGUUG09 | Mt Crested Butte WSD | MT CRESTED BUTTE WSD | CO0027171 |
| COGUSM05 | Naturita Town of | NATURITA WWTF | CO0024007 |
| COGUSM12 | Nucla Town of | NUCLA WWTF | COG589067 |
| COGUUN04b | Olathe Town of | OLATHE TOWN OF | CO0020907 |
| COGUUN03a | Ouray City of | OURAY CITY OF | CO0043397 |

| Segment | Permittee Name | Facility Name | Permit No. |
|---|---|---|---|
| COGUNF03 | Paonia Town of | PAONIA WWTF | CO0047431 |
| COGUSM03b | Telluride Town of | REGIONAL WWTF | CO0041840 |
| COGUUN03a | Ridgway Town of | RIDGWAY, TOWN OF | COG588047 |
| COGUUG29a | Ute Trail Ranch Foundation | SKY RANCH AT UTE TRAIL | COG588109 |
| COGULD02 | SW Mesa County Rural Public Improvement District | SW MESA CO RURAL PUB IMP DIST WWTF | COG588086 |
| COGUUN04b | West Montrose Sanitation District | WEST MONTROSE SANITATION DIST WWTF | CO0030449 |

Prior to May 31, 2022:

- For segments located entirely above these facilities, nutrient standards apply to the entire segment.
- For segments with portions downstream of these facilities, *nutrient standards only apply above these facilities*. A note was added to the total phosphorus and chlorophyll *a* standards in these segments. The note references the table of qualified facilities at 35.5(4).
- For segments located entirely below these facilities, nutrient standards do not apply.

A note was added to the total phosphorus and chlorophyll a standards in lakes segments as nutrients standards apply only to lakes and reservoirs larger than 25 acres surface area.

## 35.6 TABLES

(1) Introduction

The numeric standards for various parameters in this regulation and in the tables in Appendix 35-1 were assigned by the Commission after a careful analysis of the data presented on actual stream conditions and on actual and potential water uses.

Numeric standards are not assigned for all parameters listed in the tables attached to Regulation No. 31. If additional numeric standards are found to be needed during future periodic reviews, they can be assigned by following the proper hearing procedures.

(2) Abbreviations:

(a) The following abbreviations are used in this regulation and ~~in~~ the tables in Appendix 35-1:

| | | |
|---|---|---|
| $^{o}$C | = | degrees Celsius |
| ch | = | c~~C~~hronic (30-day) |
| Cl | = | c~~C~~hloride |
| 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 |
| DUWS | = | direct use water supply |
| DM | = | daily maximum temperature |
| DUWS | = | direct use water supply |
| E. coli | = | *E~~e~~scherichia coli* |
| m~~M~~g/l | = | milligrams per liter |
| MWAT | = | maximum weekly average temperature |

| | | |
|---|---|---|
| OW | = | outstanding waters |
| sc | = | sculpin |
| sp | = | spawning |
| SSE | = | site-specific equation |
| T | = | total recoverable |
| t | = | total |
| tr | = | trout |
| TVS | = | table value standard |
| µg/l | = | micrograms per liter |
| UP | = | use-protected |
| WAT | = | weekly average temperature |
| WS | = | water supply |
| WS-II | = | warm stream temperature tier two |
| WS-III | = | warm stream temperature tier three |
| WL | = | warm lake temperature tier |

(b) In addition, the following abbreviations are used:

| | | |
|---|---|---|
| Fe(ch) | = | WS |
| Mn(ch) | = | WS |
| $SO_4$ | = | WS |

These abbreviations mean: For all surface waters with an actual water supply use, the less restrictive of the following two options shall apply as numerical standards, as specified in the Basic Standards and Methodologies at 31.16 Table II and III:

(1) existing quality as of January 1, 2000; or

(2) Iron = 300 µg/l (dissolved)

Manganese = 50 µg/l (dissolved)

$SO_4$ = 250 mg/l

For all surface waters with a “water supply” classification that are not in actual use as a water supply, no water supply standards are applied for iron, manganese or sulfate, unless the Commission determines as the result of a site-specific rulemaking hearing that such standards are appropriate.

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

(i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.

(ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/2021.

(iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/2021.

(a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.

(b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.

(c) 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.

(3) Table Value Standards

In certain instances in the tables in Appendix 35-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

**TABLE VALUE STANDARDS**

**(Concentrations in µg/l unless noted)**

| **PARAMETER(1)** | **TABLE VALUE STANDARDS (2)(3)** |
|---|---|
| Aluminum<br><br>(T) | Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$<br><br>pH equal to or greater than 7.0<br><br>Chronic=$e^{(1.3695[\ln(\text{hardness})]-0.1158)}$<br><br>pH less than 7.0<br><br>Chronic= $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is less |
| Ammonia (4) | Cold Water = (mg/l as N) Total<br><br>$acute = \frac{0.275}{1+10^{7.204-pH}} + \frac{39.0}{1+10^{pH-7.204}}$<br><br>$chronic = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * MIN\left(2.85, 1.45*10^{0.028(25-T)}\right)$ |
| | Warm Water = (mg/l as N) Total<br><br>$acute = \frac{0.411}{1+10^{7.204-pH}} + \frac{58.4}{1+10^{pH-7.204}}$<br><br>$chronic\ (Apr1-Aug31) = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * MIN\left(2.85, 1.45*10^{0.028(25-T)}\right)$<br><br>$chronic\ (Sep1-Mar31) = \left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) * 1.45*10^{0.028*(25-MAX(T,\ 7))}$ |

| | | | | | | |
|---|---|---|---|---|---|---|
| Cadmium | Acute = $(1.136672-[\ln(\text{hardness}) \times (0.041838)])\times e^{0.9151[\ln(\text{hardness})]-3.1485}$<br>Acute(Trout) = $(1.136672-[\ln(\text{hardness}) \times (0.041838)])\times e^{0.9151[\ln(\text{hardness})]-3.6236}$<br>Chronic = $(1.101672-[\ln(\text{hardness}) \times (0.041838)]\times e^{0.7998[\ln(\text{hardness})]-4.4451}$ | | | | | |
| Chromium III[5] | Acute = $e^{(0.819[\ln(\text{hardness})]+2.5736)}$<br>Chronic = $e^{(0.819[\ln(\text{hardness})]+0.5340)}$ | | | | | |
| Chromium VI[5] | Acute = 16<br>Chronic = 11 | | | | | |
| Copper | Acute = $e^{(0.9422[\ln(\text{hardness})]-1.7408)}$<br>Chronic = $e^{(0.8545[\ln(\text{hardness})]-1.7428)}$ | | | | | |
| Lead | Acute = $(1.46203-[(\ln(\text{hardness})*(0.145712)])*e^{(1.273[\ln(\text{hardness})]-1.46)}$<br>Chronic = $(1.46203-[(\ln(\text{hardness})*(0.145712)])*e^{(1.273[\ln(\text{hardness})]-4.705)}$ | | | | | |
| Manganese | Acute = $e^{(0.3331[\ln(\text{hardness})]+6.4676)}$<br>Chronic = $e^{(0.3331[\ln(\text{hardness})]+5.8743)}$ | | | | | |
| Nickel | Acute = $e^{(0.846[\ln(\text{hardness})]+2.253)}$<br>Chronic = $e^{(0.846[\ln(\text{hardness})]+0.0554)}$ | | | | | |
| Selenium[6] | Acute = 18.4<br>Chronic = 4.6 | | | | | |
| Silver | Acute = ½$e^{(1.72[\ln(\text{hardness})]-6.52)}$<br>Chronic = $e^{(1.72[\ln(\text{hardness})]-9.06)}$<br>Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})]-10.51)}$ | | | | | |
| Temperature | **TEMPERATURE TIER** | **TIER CODE** | **SPECIES EXPECTED TO BE PRESENT** | **APPLICABLE MONTHS** | **TEMPERATURE STANDARD ($^{O}$C)** | |
| | | | | | **MWAT** | **DM** |
| | Cold Stream Tier 1[7] | CS-I | brook trout, cutthroat trout | June – Sept. | 17.0 | 21.7 |
| | | | | Oct. – May | 9.0 | 13.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | Cold Stream Tier 2[(7)] | CS-II | all other cold-water species | April – Oct. | 18.3 | ~~23.9~~ 24.3 |
| | | | | Nov. – March | 9.0 | 13.0 |
| | Cold Lakes[(8)] | CL | brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon | April – Dec. | 17.0 | 21.2 |
| | | | | Jan. – March | 9.0 | 13.0 |
| | Cold Large Lakes (>100 acres surface area)[(8)] | CLL | rainbow trout, brown trout, lake trout | April – Dec. | 18.3 | ~~23.8~~ 24.2 |
| | | | | Jan. – March | 9.0 | 13.0 |
| | Warm Stream Tier 2 | WS-II | brook stickleback, central stoneroller, creek chub, longnose dace, n~~N~~orthern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker | March – Nov. | 27.5 | 28.6 |
| | | | | Dec. – Feb. | 13.8 | ~~14.3~~ 25.2 |
| | Warm Stream Tier 3 | WS-III | all other warm-water species | March – Nov. | 28.7 | 31.8 |
| | | | | Dec. – Feb. | 14.3 | ~~15.9~~ 24.9 |
| | Warm Lakes | WL | black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, n~~N~~orthern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch | April – Dec. | 26.~~3~~2 | 29.~~5~~3 |
| | | | | Jan. – March | 13.~~2~~1 | ~~14.8~~ 24.1 |
| Uranium | Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$<br>Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$ | | | | | |
| Zinc | Acute = $0.978 * e^{(0.9094[\ln(\text{hardness})]+0.9095)}$<br>Chronic = $0.986 * e^{(0.9094[\ln(\text{hardness})]+0.6235)}$<br>Where hardness is less than 102 mg/L $CaCO^3$ and mottled sculpin are expected to be present:<br>Chronic (sculpin) = $e^{(2.140[\ln(\text{hardness})]-5.084)}$ | | | | | |

## TABLE VALUE STANDARDS - FOOTNOTES

(1) Metals are stated as dissolved unless otherwise specified.

(2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard

should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.

(3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.

(4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the commission on a site-specific basis where appropriate evidence is submitted.

(5) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 ug/l total chromium in those waters classified for domestic water use.

(6) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

(7) Mountain whitefish-based summer temperature criteria [16.9 (ch), 21.2 (ac)] apply when and where spawning and sensitive early life stages of this species are known to occur.

(8) Lake trout-based summer temperature criteria [16.6 (ch), 22.4 (ac)] apply where appropriate and necessary to protect lake trout from thermal impacts.

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(4) Discharger Specific Variances

(a) A Discharger Specific Variance (DSV) establishes a temporary water quality standard that represents the highest degree of protection of a classified use that is feasible within 20 years and is granted by the Commission pursuant to criteria contained in Regulation 31.7(4).

(i) In every case, the variance to the standard shall be temporary and must be re-examined not less than once every three years.

(ii) For DSVs that are longer than five years in duration, the Commission will submit the results of its re-evaluation to EPA within 30 days of the date the Commission completes its re-evaluation. Pursuant to 40 CFR 131.14(b)(1)(v)-(vi), the DSV will no longer be the applicable water quality standard for purposes of the Clean Water Act if the Commission does not conduct a re-evaluation consistent with the specified frequency or if the Commission does not submit the results within 30 days of completion of the re-evaluation process.

(b) The first number of the DSV is the underlying standard previously adopted by the Commission for the segment and represents the long-term goal for the waterbody. The first number will be used for assessing attainment for the waterbody and for the development of effluent limitations. The second number is the Commission's determination of the effluent concentration with the highest degree of protection of the

classified use that is feasible for the discharger. Control requirements, such as discharge permit effluent limitations, shall be established using the first number 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 during the term of the DSV for the named discharger.

(c) San Miguel Segment 12b:

Discharger Specific Variance, Town of Nucla (COG589067): Adopted 10/11/2016.

Ammonia (acute) = TVS: no limit; Ammonia (chronic) = TVS: 13.8 mg/L (11/1-4/30); Ammonia (chronic) = TVS: 8.3 mg/L (5/1-10/31). Expiration date: 12/31/2026.

(5) Stream Classifications and Water Quality Standards Tables

The stream classifications and water quality standards tables in Appendix 35-1 are incorporated herein by reference.

The following is information regarding duration and measured form of standards in Appendix 35-1:

(a) *E.coli* criteria and resulting standards for individual water segments, are established as indicators of the potential presence of pathogenic organisms. Standards for *E. coli* are expressed as a two-month geometric mean. Site-specific or seasonal standards are also two-month geometric means unless otherwise specified.

(b) All phosphorus standards are based upon the concentration of total phosphorus. For total phosphorus, stream standards are expressed as an annual median and for lakes standards as a summer (July 1 - September 30) average in the mixed layer. For chlorophyll a, stream standards are expressed as a maximum of attached algae and lakes standards as a summer (July 1 - September 30) average in the mixed layer. For additional assessment details, see tables at Regulation 31.17(b) and (d).

(c) The pH standards of 6.5 (or 5.0) and 9.0 are an instantaneous minimum and maximum, respectively to be applied as effluent limits. In determining instream attainment of water quality standards for pH, appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

**35.7-35.10 RESERVED**

. . . .

**35.45 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 7, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE:**

A. **Water Body Segmentation**

Some segments were renumbered, combined, or new segments were created to facilitate appropriate organization of water bodies in this regulation. Renumbering and/or creation of new segments was made based on information that showed: a) the original reason for segmentation no longer applied; b) significant differences in uses, water quality and/or physical characteristics warrant a change in standards on only a portion of the existing segment; and/or c) certain segments could be merged into one segment because they had similar water quality and uses. The following changes were made:

Upper Gunnison River Segment 2: This segment excludes Steuben Creek, Willow Creek, and Soap Creek and was modified to also exclude their tributaries.

Upper Gunnison River segments 15a and 19: Hot Springs Creek below the Hot Springs Reservoir was moved from Segment 19 to Segment 15a to change the temperature standards on this portion of Hot Springs Creek from CS-I to CS-II.

North Fork of the Gunnison River segments 4a, 4b, and 4c: Segment 4 was split into 4a, 4b, and 4c as part of changes to temperature standards and the Water Supply use. Segment 4b was created to apply CS-II temperature standards on Muddy Creek and its tributaries. Segment 4c was created to remove the Water Supply use from the tributaries to Lake Irwin, which is a small portion of the original Segment 4.

North Fork of the Gunnison River segments 5a and 5b: Leroux Creek was moved from Segment 5a to Segment 5b to change the temperature standards on Leroux Creek from CS-I to CS-II.

North Fork of the Gunnison River segments 6a and 6c: Thompson Creek was moved to a new Segment 6c for the purpose of adding a Water Supply use. The description of Segment 6a was updated to include an exception for Segment 6c.

Uncompahgre River segments 10a, 10b, and 11: The portion of Cow Creek below Nate Creek was moved to Segment 10a to change the temperature standards on this portion of Cow Creek from CS-I to CS-II. A portion of Kettle Creek was moved to new Segment 10b to facilitate a removal of the Water Supply use.

Uncompahgre River segments 13a, 13b, and 13c: Segment 13 was split into 13a, 13b, and 13c as part of changes to temperature standards and the Water Supply use. Segment 13b was created to apply CS-II temperature standards East Fork Dry Creek, Pryor Creek, and Spring Creek to Devinny Canyon. Segment 13c was created to apply CS-II temperature standards and add a Water Supply use to Spring Creek from Devinny Canyon to Popular Road.

Uncompahgre River segments 21 and 22: Segment 21 was divided into segments 21 and 22 to facilitate adoption of a Water Supply use and DUWS sub-classification for Fairview Reservoir, which is in new Segment 22. The description of Segment 21 was updated to include an exception for Segment 22.

Lower Gunnison River segments 1 and 2: The boundary between segments 1 and 2 was moved upstream to Highway 65 to increase the area of application of the WS-II temperature standards on Segment 2.

Lower Gunnison River segments 5a and 5b: Segment 5 was divided into segments 5a and 5b to accommodate changes in temperature standards. Segment 5a includes North Fork Escalante Creek and was upgraded to CS-I standards, while Segment 5b includes Roubideau Creek, Monitor Creek, and Potter Creek which reclassified as Warm 1 with WS-II standards.

Lower Gunnison River segments 6a, 6b, and 6c: Segment 6 was divided into segments 6a, 6b, and 6c as part of changes to temperature standards and the Water Supply use. New Segments

6b and 6c were both reclassified as Warm 1 with WS-II standards. A Water Supply use was also added to Segment 6c.

Lower Gunnison River segments 8a and 8b: Segment 8 was divided into segments 8a and 8b to facilitate a change to CS-II temperature standards for new Segment 8b, which includes Kannah Creek. Segment 8a, which includes Surface Creek, retained its CS-I standards.

Lower Gunnison River segments 10a and 0b: Segment 10 was divided into segments 10a and 10b to facilitate a change in temperature standards. New Segment 10a, which includes Smith Creek upstream of the Crawford Clipper Ditch diversion, remained CS-II. New Segment 10b, which includes Smith Creek downstream of the Crawford Clipper Ditch diversion, was reclassified as Warm 1 with WS-II standards.

San Miguel River segments 2a and 2b: Segment 2 was divided into segments 2a and 2b to facilitate adoption of CS-II temperature standards on Leopard Creek below Buck Canyon. The description of Segment 2a was modified to include an exception for Segment 2b.

San Miguel River segments 5a and 5b: Segment 5 was divided into segments 5a and 5b to facilitate adoption of a Water Supply use to the mainstem of the San Miguel River from below Naturita Creek to Coal Canyon. Downstream of Coal Canyon does not have a Water Supply use.

San Miguel River segments 9 and 11a: The portion of Horsefly Creek in Segment 9 was moved to Segment 11a to facilitate adoption of CS-II standards to the entire mainstem of Horsefly Creek. The description of Segment 9 was modified to include an exception for Segment 11a.

San Miguel River segments 9, 10a, and 10b: Segment 10 was divided into segments 10a and 10b to facilitate a change in temperature standards and use classification. New Segment 10a, which includes the upper reaches of Tabeguache Creek inside the national forest boundary, retains its CS-II standards. New Segment 10b, which includes Naturita Creek and Tabeguache Creek below the national forest boundary were reclassified to Warm 1 with WS-II standards. An exception for Segment 10a was added to Segment 9 for clarity.

San Miguel River segments 12a, 12b, and 12c: Segments 12a and 12b were modified to facilitate changes to temperature standards and the Water Supply use. The boundary between segments 12a and 12b was changed from Naturita Creek to Horsefly Creek, and Maverick Draw was moved to Segment 12b. Segment 12b was reclassified as Warm 2 with WS-II standards. New Segment 12c includes Calamity Draw below Lincoln Street in Nucla, which was previously part of Segment 12b. The creation of Segment 12c facilitates reclassification as Warm 2 with WS-II standards, and removal of the Water Supply use.

Lower Dolores River segments 5a and 5b: Segment 5 was divided into segments 5a and 5b to facilitate a change in use classification and temperature standards. Roc Creek and Mesa Creek were moved to new Segment 5b and reclassified as Warm 1 with WS-II standards.

Segment descriptions were also edited to improve clarity, correct typographical errors, and correct spelling errors. These changes are listed in Section O.

## B. Aquatic Life Use Classifications and Standards

Some segments assigned an Aquatic Life use classification were missing a standard to protect that use. The commission adopted the missing standards for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed information regarding the existing aquatic communities. For segments where the existing aquatic communities are not aligned with the Aquatic Life use, the following segments were downgraded from Cold to Warm:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all Class 2 segments that have fish that are "of a catchable size and which are normally consumed and where there is evidence that fishing takes places on a recurring basis." Water + Fish or Fish Ingestion standards were applied to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## C. Recreation Use Classifications and Standards

The commission reviewed information regarding the current Recreation use classifications and evidence pertaining to actual or potential primary contact recreation. In addition, newly created segments were given the same Recreation use classification as the segment from which they were split, unless there was insufficient evidence to support keeping that classification, or evidence to show that the existing use classification was inappropriate.

Seasonal Recreation use and standards were previously adopted on some segments in the San Juan and Gunnison Basins in order to address concerns that streams could be determined to be impaired for E. coli based on a small number of samples collected during winter when the risk of exposure to pathogens through recreation is expected to be lowest. Because the assessment practices in the current listing methodology address this concern, the commission no longer found it necessary to maintain seasonal Recreation standards on these segments. For segments with seasonal Recreation standards the winter use (Recreation N or Recreation P) was removed and the existing summer standard was applied year-round:

[*List to be completed following preliminary final action by the Commission*.]

## D. Water Supply Use Classification and Standards

The commission added a Water Supply use classification and standards where the evidence demonstrated a reasonable potential for a hydrological connection between surface water and alluvial wells used for drinking water. The Water Supply use classification and standards were added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission removed the Water Supply use classification and standards where the evidence demonstrated that a Water Supply use does not currently exist due to flow or other conditions, and that such a use is not reasonably expected in the future due to water rights, source water options, or other conditions. Water supply standards for sulfate and chloride were retained for these segments, given concerns regarding the protection of aquatic life by the existing Water Supply standards. The Water Supply use classification and standards, except for sulfate and chloride, were removed from the following segments:

[*List to be completed following preliminary final action by the Commission*.]

A review of the segments with an existing Water Supply use classification showed that some segments were missing one or more standards to protect that use. The full suite of Water Supply standards was added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

E. **Agriculture Use Classification and Standards**

The commission reviewed all segments with lacking an Agriculture use. Based on an evaluation of the available data and information, no changes were adopted at this time.

F. Other Standards to Protect Agriculture, Aquatic Life, and Water Supply Uses

1. **Molybdenum:** In 2010, the commission adopted a new standard for molybdenum to protect cattle from the effects of molybdenosis. The table value adopted at that time was 300 µg/l, but included an assumption of 48 mg/day of copper supplementation to ameliorate the effects of molybdenosis. State and local experts on cattle nutrition indicated that copper supplementation in the region is common, but is not universal. Therefore, the copper supplementation assumption was removed from the equation, which then yielded a standard of 160 µg/l. That standard was applied in recent basin reviews.

   In the 2015 Regulation No. 38 hearing, the commission adopted a standard of 150 µg/L, based on an improved understanding of the dietary- and water-intake rates for various life-stages of cattle. This standard is protective of all life-stages of cattle (including lactating cows and growing heifers, steers and bulls) at all times of year.

   The Agriculture table value assumes that the safe copper:molybdenum ratio is 4:1. Food and water intake is based on growing heifers, steers, and bulls consuming 6.7 kg/day of dry matter and 56.8 liters of water per day. Total copper and molybdenum intakes are calculated from the following equations:

   Cu intake mg/day = [([Cu] forage, mg/kg) x (forage intake, kg/day)] + [([Cu] water, mg/l) x (water intake, L/day)] + (Cu supplementation, mg/day)

   Mo intake mg/day = [([Mo] forage, mg/kg) x (forage intake, kg/day)] + [([Mo] water, mg/l) x (water intake, L/day)] + (Mo supplementation, mg/day)

   The assumed values for these equations are as follows:

   [Cu] forage = 7 mg/kg, [Mo] forage = 0.5 mg/kg, forage intake = 6.7 kg/day, [Cu] water = 0.008 mg/L, water intake = 56.8 L/day, Cu supplementation = 0 mg/day, Mo supplementation = 0 mg/day.

   In 2010, the commission also adopted a new standard for molybdenum to protect the Water Supply use that was calculated in accordance with Policy 96-2.

   A molybdenum standard of 150 µg/l was adopted for all segments in Regulation No. 35 that have an Agriculture use classification, and where livestock or irrigated forage are present or expected to be present.

   The following segments (or portions of segments) have an Agriculture use classification and a Water Supply use, but livestock watering does not occur. A molybdenum standard of 210 µg/l was retained on these segments to protect the Water Supply use:

   [*List to be completed following preliminary final action by the Commission*.]

2. **Cadmium for Aquatic Life:** The commission adopted updated hardness-based cadmium Aquatic Life standards on a targeted, site-specific basis in cold waters to reflect the most up-to-date science. The new standards, released by the U.S. Environmental Protection Agency (EPA) in March 2016, are protective of sensitive cold water aquatic life

(i.e., trout). The cadmium criteria recommended by EPA and adopted by the commission are as follows:

$$\text{Acute} = e^{(0.9789*\ln(\text{hardness}) - 3.866)}*1.136672-[(\ln \text{hardness})*(0.041838)]$$

$$\text{Chronic} = e^{(0.7977*\ln(\text{hardness}) - 3.909)}*1.101672-[(\ln \text{hardness})*(0.041838)]$$

EPA's updated cadmium criteria are less stringent than Colorado's current cadmium standards when water hardness is greater than 45 mg/L $CaCO_3$. Although the criteria are less stringent, they were developed using the latest science and are protective of aquatic life, and it is expected that Colorado's state-wide cadmium standards will likely be updated using the 2016 EPA cadmium criteria at a later date. Therefore, the commission determined it was appropriate to adopt the new criteria for waters known to be impaired for cadmium to ensure forthcoming clean-up goal development and Total Maximum Daily Load (TMDL) evaluations are based on the most relevant water quality standards available. The updated cadmium standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

3. **Cadmium, Nickel, and Lead for Water Supply:** A review of the cadmium, nickel, and lead standards showed that uses were not always adequately protected by the standards currently in the tables. Depending on hardness, the Aquatic Life standards for cadmium, lead, and nickel were not protective of the Water Supply use. The division reviewed all segments in Regulation No. 35 to determine if the current standards applied to each segment are fully protective of the assigned uses, and revised or added standards where appropriate.

   The cadmium Water Supply standard was added because the acute Aquatic Life standard is not protective when the hardness was greater than 200 mg/L in non-trout streams and 345 mg/L in trout streams; the lead Water Supply standard was added because the acute Aquatic Life standard is not protective when hardness is greater than 79 mg/L; and the nickel Water Supply standard was added because the chronic Aquatic Life standard is not protective when hardness is greater than 216 mg/L. Cadmium, lead, and nickel Water Supply standards were added to the following segments:

   [*List to be completed following preliminary final action by the Commission*.]

4. **Aquatic Life Criteria for Selenium and Ammonia:** The commission declined to adopt EPA's revised 304(a) Aquatic Life criteria for selenium and ammonia at this time; however, the division is committed to evaluating these new criteria. Studies are currently underway for each parameter to improve understanding of these criteria in the context of water quality conditions in Colorado and how these criteria may be adopted and implemented in Colorado in the future.

## G. Antidegradation Designations

The commission reviewed all Warm 2 segments designated Use Protected to determine if the Use Protected designation was still warranted. Based upon available water quality data that meet the criteria of 31.8(2)b, the Use Protected designation was not removed from any segments.

The commission reviewed all Warm 1 segments designated Use Protected to determine if the Use Protected designation was still warranted. Based upon available water quality data that meet the criteria of 31.8(2)b, the Use Protected designation was not removed from any segments.

The commission reviewed all Reviewable segments to determine if this Antidegradation designation was still warranted. Based upon available water quality data that fails to meet the criteria of 31.8(2)b, the Reviewable designation was not removed from any segments.

The following segments with Outstanding Waters designations were expanded to include the Raggeds Wilderness Area:

[*List to be completed following preliminary final action by the Commission*.]

## H. Ambient Quality-Based Standards

Ambient quality-based standards are adopted where a comprehensive analysis has been conducted demonstrating that elevated existing water quality levels are the result of natural conditions or are infeasible to reverse, but are adequate to protect the highest attainable use.

All existing ambient-based standards were reviewed and where appropriate were revised based on new information. Ambient-based standards were revised for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission reviewed all existing site-specific standards. Based on an evaluation of the available data and information, no changes were adopted at this time.

## I. Temporary Modifications

All existing Temporary Modifications were examined to determine if they should be allowed to expire or if they should be extended, either unchanged or with changes to the numeric limits.

The commission deleted or allowed to expire on 12/31/2017 certain temporary modifications on the following segments:

[*List to be completed following preliminary final action by the Commission*.]

The commission adopted a new Temporary Modification for arsenic on the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## J. Discharger Specific Variances

There is currently one segment in the San Juan and Dolores River Basins (Animas Florida Segment 13b) and one segment in the Gunnison and Lower Dolores River Basin (San Miguel Segment 12b) that have discharger specific variances (DSVs) for ammonia. The commission reviewed the basis for these ammonia DSVs and the available information regarding progress toward achieving the highest attainable water quality. The commission determined that these DSVs are still appropriate and do not require revision at this time.

## K. Temperature Standards for Rivers and Streams

The commission revised temperature criteria in Regulation No. 31 in 2007, and again in 2010, based on the development of the Colorado Temperature Database and a lengthy stakeholder process. In 2012, the new temperature standards were adopted for all segments with an Aquatic Life use classification in Regulation No. 35. In June 2016, temperature criteria in Regulation No. 31 were further revised, including changes to the temperature table value standards, revision of warm water winter acute standards, and the addition of footnotes to protect lake trout and mountain whitefish.

1. **Colorado Temperature Database Update:** The Colorado Temperature Database was updated in 2016 to reflect the most recent research regarding the thermal requirements of Colorado's fishes, which allowed for adoption of an overall update of the cold and warm water acute and chronic temperature table value standards. In this hearing, the commission adopted revisions at 35.6(3) to bring this regulation into conformity with the revised table value standards found in Table I of Regulation No. 31.

2. **Warm Water Winter Acute Table Values:** The 2016 updates to the temperature database also allowed for the adoption of revisions to the warm water winter acute table values. When seasonal numeric temperature standards were first adopted in 2007, warm water winter acute and chronic standards were simply set at half the summer season table values, recognizing a pattern seen in cold waters. In 2016, the acute winter table values for warm water fish were revised based on lethal temperature thresholds established in laboratory experiments for fish acclimated to "winter" temperatures. Standards derived using this new method more accurately protect warm water fish from acute thermal effects in winter. In this hearing, the commission adopted revisions at 35.6(3) to bring this regulation into conformity with the revised warm water winter acute temperature table value standards found in Table I of Regulation No. 31.

3. **Mountain Whitefish and Lake Trout Footnotes:** In 2016, the commission adopted two footnotes to Table I of Regulation No. 31 to allow for additional thermal protection of mountain whitefish and lake trout where appropriate. These species were given special standards due to their thermal sensitivity and limited distributions. Lake trout occur in only a small number of lakes and reservoirs, and thermally-sensitive spawning and early life stages of mountain whitefish are known to occur only in certain cold water tributaries. In this hearing, the commission adopted standards to protect lake trout and mountain whitefish on a site-specific basis where information provided by Colorado Parks and Wildlife biologists indicated that these species occur and protection from thermal impacts is necessary and appropriate.

   Temperature standards to protect mountain whitefish were added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

   Temperature standards to protect lake trout were added to the following segments:

[*List to be completed following preliminary final action by the Commission*.]

4. **Refinement of Temperature Standards:** Since temperature criteria were revised in Regulation No. 31 in 2007, the division and others have worked to ensure that appropriate temperature standards were adopted for segments throughout the state. At times, this effort to assign temperature standards has also included reevaluation of the existing Aquatic Life use classifications, and use revisions have been proposed and adopted where appropriate. Incremental progress continues as temperature standards are refined based on the experience and data gains that have occurred since initial adoption of temperature standards.

   In the 2016 Regulation No. 31 hearing, the commission declined to adopt the division's proposal for statewide solutions for temperature transition zones and shoulder seasons, in favor of a basin-by-basin consideration of temperature standards on a site-specific basis. The basin-by-basin approach was selected as it allows for consideration of temperature attainability and ambient quality-based site-specific temperature standards issues in the context of multiple lines of evidence and site-specific contravening evidence. The sections below describe the considerations and methods used to develop

and support the site-specific temperature standards revisions adopted in this basin hearing.

i. Existing Uncertainty: While a great deal of progress has been made regarding the development and implementation of temperature standards, uncertainty still remains for some segments due to the lack of site-specific temperature or aquatic community information or conflicts between the lines of evidence. This uncertainty was highlighted in the statement of basis and purpose language for the 2012 Regulation No. 35 Rulemaking Hearing at 35.34.K. To address this uncertainty, these segments were targeted for additional data collection where possible, and all new information collected for these segments was evaluated as part of this basin review.

ii. Attainability: Following the commission's 2016 direction to consider attainability issues using a basin-by-basin approach, the division reviewed all available information to identify segments where attainability issues may exist based upon available instream temperature data and expected in-stream summer maximum weekly average temperatures (MWATs). Expected MWATs were determined using regression analysis of temperature and elevation and the NorWeST Stream Temperature Regional Database and Model. This screening found that many segments, or portions of segments, were not expected to attain the summer or winter chronic temperature standards. These waters were targeted for additional review, as were waters listed as impaired for temperature on the 2016 303(d) List.

iii. Aquatic Life Use: For these selected segments, the division conducted a comprehensive, site-specific review of the existing use classification and temperature standards. Fishery data provided by Colorado Parks and Wildlife (CPW) was evaluated to identify fish species expected to occur, whether reproduction is expected (i.e., stocked, transient, or resident species), age class structures, and any other relevant information regarding aquatic life communities. For segments where little or no information on fish species expected to occur existed, fish population data from adjacent and representative water bodies was utilized when possible.

iv. Thermal Drivers: In cases where temperature standards to protect the highest attainable use were determined, but the temperature standards were not attainable, site-specific factors that influence in-stream temperature were evaluated to identify any correctable anthropogenic thermal sources. All available data on temperature, hydrology, hydro-modification, canopy cover, groundwater influence, point and non-point thermal sources, and other relevant information was reviewed.

Based upon information regarding the species expected to occur, temperature data, physical habitat, land cover/use, groundwater inputs, flow conditions, and all other available information regarding thermal drivers, the commission adopted revisions of temperature standards for the segments listed below where water quality is not feasible to improve or where the thermal regime is the result of natural conditions, but is sufficient to protect the highest attainable use.

The following segments were changed from CS-I to CS-II:

[*List to be completed following preliminary final action by the Commission*.]

The following segments were changed from CS-II to WS-II:

[*List to be completed following preliminary final action by the Commission*.]

In some cases, a water body was moved from its parent segment to another existing segment. The following list describes segments that had portions modified to facilitate a change in temperature standards:

[*List to be completed following preliminary final action by the Commission*.]

Timing of the shoulder season was changed for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

Ambient temperature standards were adopted where a use attainability analysis was conducted demonstrating that elevated ambient temperatures are the result of natural conditions or are not feasible to improve to the level required by the current numeric standard, but are adequate to protect the highest attainable use. Ambient temperature standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

In some cases, the existing aquatic life community supported an upgrade in the temperature standard. The following segments were changed from CS-II to CS-I:

[*List to be completed following preliminary final action by the Commission*.]

Adequate data were not always available and agreement among lines of evidence was not always sufficient to support a revision of the use classification or a temperature standards change. In these cases, no change was proposed. It is the commission's intent that the division and interested parties work to resolve the uncertainty. There is uncertainty regarding the appropriate use classifications and temperature standards to protect the highest attainable use still exist for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## L. Nutrients

In March 2012, the commission adopted interim nutrient values in the Basic Standards (Regulation No. 31) and created a new statewide control regulation (Regulation No. 85) to address nutrients in Colorado. Regulation 31.17 includes interim nutrient values for total phosphorus, total nitrogen, and chlorophyll *a* for both lakes and reservoirs, and rivers and streams. Due to the phased implementation approach adopted with these criteria (31.17(e)), the commission considered adoption of only total phosphorus and chlorophyll *a* standards at this time. Nitrogen standards were not considered as part of this rulemaking hearing, but will be considered in the next triennial review, currently scheduled for June 2020.

Total phosphorus and chlorophyll *a* standards were adopted for waters upstream of all permitted domestic wastewater treatment facilities discharging prior to May 31, 2012 or with preliminary effluent limits requested prior to May 31, 2012, and any non-domestic facilities subject to Regulation No. 85 effluent limits and discharging prior to May 31, 2012. A new section (4) was added at 35.5 describing implementation of the interim nutrient values into the tables at 35.6, and includes a table which lists these facilities and the segment to which they discharge.

For segments located entirely above these facilities, nutrient standards apply to the entire segment.

For segments with portions downstream of these facilities, *nutrient standards only apply above these facilities*. A footnote "C" was added to the total phosphorus and chlorophyll *a* standards in these segments. The footnote references the table of qualified facilities at 35.5(4).

For segments located entirely below these facilities, nutrient standards do not apply.

For rivers and streams segments, total phosphorus standards were adopted for segments with an Aquatic Life use. Chlorophyll *a* standards were adopted for segments with either an E or P Recreation use classification.

For lakes and reservoirs segments, a Footnote B was added to total phosphorus and chlorophyll standards adopted for lakes in the tables at 35.6, as these standards only apply to lakes larger than 25 acres.

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for Direct Use Water Supply (DUWS) lakes and reservoirs. No proposals were made to adopt standards based on this provision in this rulemaking (see section M).

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for circumstances where the provisions of Regulation No. 85 are not adequate to protect waters from existing or potential nutrient pollution. No proposals were made to adopt standards based on this provision in this rulemaking.

Chlorophyll *a* standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

Total Phosphorus standards were adopted for the following segments:

[*List to be completed following preliminary final action by the Commission*.]

## M. Direct Use Water Supply Sub-classification

Also in the March 2012 rulemaking hearing, the commission adopted a sub-classification of the Domestic Water Supply Use called "Direct Use Water Supply Lakes and Reservoirs Sub-classification" (DUWS), in Regulation No. 31, at 31.13(1)(d)(i). This sub-classification is for Water Supply lakes and reservoirs where there is a plant intake location in the lake or reservoir or a man-made conveyance from the lake or reservoir that is used regularly to provide raw water directly to a water treatment plant that treats and disinfects raw water. The commission has begun to apply this sub-classification and anticipates that it will take several basin reviews to evaluate all the reservoirs in the basin. The commission adopted the DUWS sub-classification on the following reservoirs and added "DUWS" to the classification column in the standards tables. The public water systems are listed along with the reservoirs and segments.

[*List to be completed following preliminary final action by the Commission*.]

31.17(e)(iii) also allows the commission to adopt numeric nutrient standards for DUWS lakes and reservoirs. No proposals were made to adopt standards based on this provision in this rulemaking.

## N. Other/Site-Specific Revisions

Upper Gunnison River Segment 20: The definition of LPL, which was erroneously deleted during the 2015 temporary modifications hearing, was replaced. The following text was added to the "Other" box in the segment table:

*Uranium(acute) = lowest practical level

*Uranium(chronic) = lowest practical level

Upper Gunnison River Segment 35: The arsenic standard was changed from 0.02 µg/L to 7.6 µg/L, as there is no Water Supply use on this segment and the Water + Fish arsenic standard should not apply.

Uncompahgre River Segment 14: The E. coli standard was corrected to 205, as the previous standard of 206 was a typo.

Lower Gunnison River Segment 2: The cadmium and silver standards for the protection of trout were removed because this segment is classified as Warm.

Lower Gunnison River Segments 14 and 15: The pH standards were corrected to 6.5-9.0 on these segments, as the previous standard of 6.4-9.0 was a typo.

San Miguel River Segment 6b: The site-specific zinc standard of 190 µg/L was erroneously deleted during a previous rulemaking, and was replaced.

## O. Typographical and Other Errors

The following edits were made to improve clarity and correct typographical errors:

- Upper Gunnison River Segment 2: “North Beaver Creek" was changed to "Beaver Creek" and "North Willow Creek" was changed to "Willow Creek" to be consistent with stream names indicated on maps.
- Upper Gunnison River Segment 4: The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 5a: The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 6a. The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 16a. The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 25: “Inter-connect” was replaced with “interconnect”.
- Upper Gunnison River Segment 26: The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 29a: Segment 9b was deleted from the list of exceptions, as this segment does not exist. In addition, the list of exceptions was moved to the end of the segment description to ensure the exclusions apply to the entire segment description.
- Upper Gunnison River Segment 30: The wording regarding exceptions was changed to conform with the rest of the regulation.
- Upper Gunnison River Segment 34: Unnamed Reservoir near Crested Butte was added to the list of lakes and reservoirs included in the segment.
- Upper Gunnison River Segment 37: Evergreen Lake was added to the list of lakes and reservoirs included in the segment.

- Upper Gunnison River Segment 36: Added the word “the” before “Gunnison River”.
- Upper Gunnison River Segment 37: This segment included an exception for “Segment 37”; this was replaced with “Segment 38”.
- North Fork of the Gunnison River Segments 2, 4a, and 4b: “Coal Creek” was replaced by “Anthracite Creek” because Coal Creek is a tributary to Anthracite Creek. Anthracite Creek, not Coal Creek, joins Muddy Creek.
- North Fork of the Gunnison River Segment 5b: A period was added after “5b” in the segment description.
- North Fork of the Gunnison River Segment 6b: The qualifier was changed from “Water+Fish Standards” to “Water + Fish Standards” to be consistent with formatting used in the rest of the regulation.
- North Fork of the Gunnison River Segment 9: Lake Irwin was added to the list of lakes and reservoirs included in the segment.
- Uncompahgre River Segment 3b: The dates for the site-specific temperature standards were corrected to include the month of June.
- Uncompahgre River Segment 9: The spelling of “Sneffels” was corrected.
- Uncompahgre River Segment 17: Changed “Segments 16” to “Segment 16”.
- Lower Gunnison River Segment 4a: Segments 9 and 13 were deleted from the list of exceptions, as this segment includes stream tributaries and Segments 9 and 13 are reservoirs.
- Lower Gunnison River Segment 4b: Coordinates for the point of diversion for public water supply (38.961321, -108.229830) were added to the segment description.
- Lower Gunnison River Segment 7b: Coordinates for the point of diversion for public water supply (38.965216, -107.876031) were added to the segment description. In addition, the description was corrected to “mainstem of Kiser Creek from the national forest boundary to the confluence with Ward Creek” instead of “… to the confluence with Youngs Creek.”
- San Miguel River Segment 1: Removed unnecessary commas and clarified the description.
- San Miguel River Segment 2a: Corrected typos and changed wording regarding exceptions to conform with the rest of the regulation.
- San Miguel River Segment 3b: The dates for the site-specific temperature standards were corrected to include the month of June.
- San Miguel River Segment 7: Removed unnecessary commas and changed “and, all tributaries, and wetlands” to “including all tributaries and wetlands” to be consistent with the rest of the regulation.
- San Miguel River Segment 12a: Deleted Segment 10 from the list of exceptions, as these segments do not overlap.

- San Miguel River Segment 13: Deleted unnecessary commas and clarified the description.

- San Miguel River Segment 14: Corrected a typo and changed wording regarding exceptions to conform with the rest of the regulation.

- San Miguel River Segment 19: This segment included an exception for “Segment 19”; this was replaced with “Segment 20”. Town Reservoir was added to the list of lakes and reservoirs included in the segment.

- Lower Dolores River Segment 7: Morrison Lake, Old Dunham Reservoir, and Belmear Lake were removed from the segment description because these water bodies are not within national forest boundaries.

# COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

# WATER QUALITY CONTROL COMMISSION

**5 CCR 1002-35**

**REGULATION NO. 35**
**CLASSIFICATIONS AND NUMERIC STANDARDS**
**FOR**
**GUNNISON AND LOWER DOLORES RIVER BASINS**

## APPENDIX 35-1
## Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2017~~12/30/2017

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

1. All tributaries to the Gunnison River, including and wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.

| COGUUG01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.02 | ~~0.02~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2. All tributaries and wetlands from ~~North~~ Beaver Creek to Meyers Gulch, from the West Elk Wilderness boundary to their confluences with Blue Mesa Reservoir, Morrow Point Reservoir, or the Gunnison River, excluding Steuben Creek, ~~North~~ Willow Creek, and Soap Creek and their tributaries.

| COGUUG02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.02 | ~~0.02~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

3. Deleted.

| COGUUG03 | Classifications |
|---|---|
| **Designation** | |
| Reviewable | |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| | | |
| | acute | chronic |
| | | |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| | | |

| Metals (ug/L) | | |
|---|---|---|
| | acute | chronic |
| | | |

4. Mainstem of the Taylor River, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, except for ~~those~~ specific listings in Segment 1.

| COGUUG04 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |
| Temporary Modification(s): | |
| Arsenic(chronic) = hybrid | |
| Expiration Date of 12/31/2021 | |

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| Temperature °C | CS-I | CS-I |
| | acute | chronic |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| | | |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | acute | chronic |
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

5a. Mainstem of the East River, including all tributaries and wetlands, from its sources to a point immediately above the confluence with the Slate River, except for specific listings in Segment 1.

| COGUUG05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5b. Mainstem of the East River from a point immediately above the Slate River to the confluence with the Gunnison River.

| COGUUG05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

6a. All tributaries to the East River from a point immediately above its confluence with the Slate River to its confluence with the Gunnison River, ~~excluding~~ except for~~the~~ specific listings in Segments 6b and 6c.

| COGUUG06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation U |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6b. Cement Creek and all its tributaries and wetlands from the source to a point immediately above the confluence with Horse Basin Creek.

| COGUUG06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

6c. Cement Creek, including all tributaries and wetlands, from a point immediately above the confluence with Horse Basin Creek to the confluence with the East River.

| COGUUG06C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7. Mainstem of the Slate River from its source to a point immediately above the confluence with Coal Creek.

| COGUUG07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | ~~---~~0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

8. Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.

| COGUUG08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 10/16 - 5/31 | ~~CS-I~~13 | ~~CS-I~~9 |
| Temperature °C | 6/1 - 10/15 | 21.7 | 17 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.

| COGUUG09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 210(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

10a. Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with the Slate River.

| COGUUG10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~SSE* | ~~TVS~~--- |
| Cadmium | --- | SSE* |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | ~~6.6~~8.6 |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

10b. All tributaries, including wetlands, to Redwell Creek.

| COGUUG10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | 407 |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

11. Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately below the Crested Butte Water Supply intake which is above the confluence with the Mount Emmons/Red Lady Basin drainage; and Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.

| COGUUG11 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 210(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately below the Crested Butte Water Supply intake which is above the confluence with the Mount Emmons/Red Lady Basin drainage to the confluence with the Slate River, with the exception of Wildcat Creek.

| COGUUG12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021
Cadmium(chronic) = 2.1
Copper(chronic) = current conditions
Zinc(chronic) = 440
Expiration Date of 12/31/2017

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 191 |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

13. Mainstem of Woods Creek from the source to the confluence with Washington Gulch.

| COGUUG13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. Mainstem of the Gunnison River from its inception at the confluence of the East and Taylor rivers to the inlet of Blue Mesa Reservoir.

| COGUUG14 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

15a. All tributaries and wetlands to the Gunnison River from its inception at the confluence of the East and Taylor Rivers to the County Road 32 road crossing near the inlet of Blue Mesa Reservoir except for the specific listings in Segments 1, 15b, 16a, 16b, 17 through 24, and 26.

| COGUUG15A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | ~~1800~~1950(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

15b. South Beaver Creek, including all tributaries and wetlands, from the source to the Saguache/Gunnison County line.

| COGUUG15B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

16a. Mainstem of Ohio Creek, from the source to a point immediately below 7 Road. All tributaries to Ohio Creek, ~~with the exception of~~ except for specific listings in Segment 1.

| COGUUG16A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

16b. Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.

| COGUUG16B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | | | |
|---|---|---|---|
| | | DM | MWAT |
| Temperature °C | 11/16 - 4/15 | 13 | 9 |
| Temperature °C | 4/16 - 11/15 | 21.7 | 17 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | | --- | 150 |
| E. Coli (per 100 mL) | | --- | 126 |

| Inorganic (mg/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

17a. West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.

| COGUUG17A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

17b. Mainstem of Antelope Creek, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, excluding the listings in Segment 17a.

| COGUUG17B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

18a. Mainstem of Tomichi Creek and its wetlands from the source to the confluence with Porphyry Creek.

| COGUUG18A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

18b. Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.

| COGUUG18B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 – 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 - 10/31 | 24.7 | 18.9 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 6.0 |
| D.O. (spawning) | | --- | 7.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | | --- | 150 |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

19. All tributaries to Tomichi Creek, including wetlands, which are within the boundaries of the Gunnison National Forest, except for specific listings in Segments 20 through 24. Mainstems of Barret, ~~Hot Springs,~~ Razor, and Quartz Creeks from their sources to their confluences with Tomichi Creek. Hot Springs Creek from its source to the inlet of Hot Springs Reservoir.

| COGUUG19 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

20. Mainstem of Indian Creek, including all tributaries, from the source to the confluence with Marshall Creek.

| COGUUG20 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Uranium(acute) = lowest practical level

*Uranium(chronic) = lowest practical level

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | LPL* | LPL* |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

21. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.

| COGUUG21 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |
| **Qualifiers:** | |

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

22. Mainstem of Gold Creek from Browns Gulch to the confluence with Quartz Creek.

| COGUUG22 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

23. Mainstem of Cochetopa Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with West Pass Creek with the exception of Segment 1.

| COGUUG23 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

24. Mainstem of Cochetopa Creek from a point immediately below the confluence with West Pass Creek to the confluence with Tomichi Creek.

| COGUUG24 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

25. The segments of the Gunnison River which inter-connect Blue Mesa Reservoir, Morrow Point Reservoir, and Crystal Reservoir.

| COGUUG25 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, ~~with the exception of~~ except for specific listings in Segments 1, 2, 29a, 29b, ~~and~~ 30, 31, and ~~through~~ 32.

| COGUUG26 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |
| Temporary Modification(s): | |
| Arsenic(chronic) = hybrid | |
| Expiration Date of 12/31/2021 | |
| *chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4). | |
| *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4). | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

27. Deleted.

| COGUUG27 | Classifications |
|---|---|
| **Designation** | |
| Reviewable | |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | | |
|---|---|---|
| | **DM** | **MWAT** |
| | | |
| | **acute** | **chronic** |
| | | |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| | | |

| Metals (ug/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| | | |

28. Deleted.

| COGUUG28 | Classifications |
|---|---|
| **Designation** | |
| Reviewable | |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | | |
|---|---|---|
| | **DM** | **MWAT** |
| | | |
| | **acute** | **chronic** |
| | | |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| | | |

| Metals (ug/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| | | |

29a. Mainstem of the Lake Fork of the Gunnison including all tributaries and wetlands, from the source to a point immediately above the confluence with Eaton Creek~~, except for the specific listing in Segments 1, 9b, 29b, 30, 31 and 32~~. Cebolla Creek, including all tributaries and wetlands, from the source to the Hinsdale/Gunnison County line. Powderhorn Creek, including all tributaries and wetlands, from the source to the confluence with Cebolla Creek. This segment excludes the specific listings in Segments 1, 29b, 30, 31, and 32.

| COGUUG29A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | | |
|---|---|---|
| | **DM** | **MWAT** |
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | **acute** | **chronic** |
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

29b. Mainstem of the Lake Fork of the Gunnison, including all tributaries and wetlands, from a point immediately above the confluence with Eaton Creek, to Blue Mesa Reservoir. Cebolla Creek, including all tributaries and wetlands, from the Hinsdale/Gunnison County line, to Blue Mesa Reservoir, excluding the listings in Segment 29a.

| COGUUG29B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

30. Mainstem of Henson Creek, including all tributaries and wetlands, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listings in Segments 31 and 32.

| COGUUG30 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

31. Mainstem of Palmetto Gulch Creek including all tributaries.

| COGUUG31 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

32. North Fork of Henson Creek including all tributaries and wetlands, from its source to the confluence with Henson Creek, except for specific listings in Segment 1.

| COGUUG32 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

33. All lakes and reservoirs that are tributary to the Gunnison River and within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.

| COGUUG33 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.02 | ~~0.02~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

34. All lakes and reservoirs tributary to the Taylor River and the East River, from their sources to their confluence at the inception of the Gunnison River, excluding the listings in Segments 33, 35 and 37. This segment includes Meridian Lake, Nicholson Lake, Peanut Lake, Unnamed Reservoir near Crested Butte (38.874441, -106.999868), Lake Grant, Lily Pond, Pothole Reservoirs 1 and 2, Texas Lake, Mirror Lake, and Spring Creek Reservoir.

| COGUUG34 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Unnamed Reservoir near Crested Butte only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

35. All lakes and reservoirs tributary to Redwell Creek.

| COGUUG35 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~0.02~~7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| ~~Chromium III~~ | ~~---~~ | ~~TVS~~ |
| Chromium III | --- | 100(T) |
| Chromium III | --- | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | 8 |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

36. All lakes and reservoirs tributary to the Gunnison River from its inception at the confluence of the Taylor and East Rivers, to the inlet of Blue Mesa Reservoir, excluding the listings in Segment 33. This segment includes Kenny Moore Reservoir, Hot Springs Reservoir, Needle Creek Reservoir, Vouga Reservoir, Moss Lake, Dome Lakes, and McDonough Reservoirs 1 and 2.

| COGUUG36 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

37. All lakes and reservoirs tributary to Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir or the segments of the Gunnison River that interconnect them, excluding the listings in Segments 33 and ~~37~~38. This segment includes Fish Creek Reservoirs 1 and 2, Hampton Lake, High Park Lake, Watson Lake, Butte Lake, Swanson Lake, Fitzpatrick Lake, Evergreen Lake (38.325447, -107.365786), Dry Lake, Devils Lake, Powderhorn Lakes, Soderquist Reservoir, Rainbow Lake, Cataract Lake, Castle Lakes, Crystal Lake, and Waterdog Lake.

| COGUUG37 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Evergreen Lake only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a ~~(µg/L)~~ (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

38. Lake San Cristobal, Taylor Park Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, and Silver Jack Reservoir.

| COGUUG38 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 1/1 – 3/31 | ~~CLL~~13 | ~~CLL~~9 |
| Temperature °C | 4/1 – 12/31 | 22.4 | 16.6 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

1. All tributaries to North Fork of the Gunnison River, including all wetlands, within the West Elk or Raggeds Wilderness Areas.

| COGUNF01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | TVS(sc) |

2. Mainstem of North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and ~~Coal~~Anthracite Creek to the Black Bridge (41.75 Drive) above Paonia.

| COGUNF02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

3. Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the Gunnison River.

| COGUNF03 | Classifications | |
|---|---|---|
| **Designation** | Agriculture | |
| Reviewable | Aq Life Cold 1 | |
| | Recreation E | ~~4/1 - 9/30~~ |
| | ~~Recreation P~~ | ~~10/1 - 3/31~~ |
| | Water Supply | |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 12/1 – 2/29 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 3/1 – 11/30 | 27.7 | 23.5 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) ~~4/1 - 9/30~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ ~~10/1 - 3/31~~ | ~~---~~ | ~~205~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

~~4. Muddy Creek, including all tributaries~~4a. Tributaries and wetlands~~, from the source~~ to ~~the confluence with Coal~~Muddy Creek within national forest boundaries. ~~Coal~~ Anthracite Creek, including all tributaries and wetlands, from the source to the confluence with Muddy Creek~~, ~~. All tributaries to the North Fork of the Gunnison from its inception at the confluence of Muddy Creek and ~~Coal~~ Anthracite Creek to the confluence with the Gunnison River within national forest boundaries.~~.~~ This segment excludes ~~except for~~ the specific ~~listing~~listings in Segments 1 and 4c.

| ~~COGUNF04~~COGUNF04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | ~~TVS~~--- | TVS |
| Zinc | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

4b. Muddy Creek, including all tributaries and wetlands, from the national forest boundary to the confluence with Anthracite Creek, except for the specific listings in Segment 1.

| COGUNF04B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | --- | SSE* |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | --- | TVS |
| Zinc | TVS | TVS(sc) |

4c. All tributaries to Lake Irwin from their sources to the inlet of Lake Irwin.

| COGUNF04C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11* |
| Sulfate | --- = | 250 |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | --- | SSE* |
| Cadmium | SSE* | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

5a. Mainstems of Hubbard Creek, Terror Creek, and Minnesota Creek, ~~and Leroux Creek~~ from the national forest boundary to their confluences with the North Fork of the Gunnison River; mainstem of Jay Creek from its source to its confluence with the North Fork of the Gunnison River.

| COGUNF05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | ~~TVS~~--- | TVS |
| Zinc | TVS | TVS(sc) |

5b. Mainstem of Roatcap Creek, including all tributaries and wetlands, from the source to the confluence with the North Fork of the Gunnison. Leroux Creek from the national forest boundary to its confluence with the North Fork of the Gunnison River.

| COGUNF05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

6a. All tributaries, including wetlands, to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Coal Creek to the confluence with the Gunnison River, and not within national forest boundaries, except for the specific listings in Segments 5a, 5b, 6b, and ~~6b~~6c.

| COGUNF06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6b. Mainstem and all tributaries to Bear Creek and Stevens Gulch. All tributaries, including wetlands, to the North Fork of the Gunnison River that are north of the North Fork of the Gunnison River, from a point immediately above the confluence with Roatcap Creek to the confluence with the Gunnison River, and are not within national forest boundaries; all tributaries, including wetlands, to the North Fork of the Gunnison River that are south of the North Fork of the Gunnison River, from a point immediately above the confluence with Minnesota Creek to the confluence with the Gunnison River, and are not within national forest boundaries, excluding the specific listings in Segments 5a and 5b.

| COGUNF06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Water~~+~~ + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

6c. Thompson Creek from the Gunnison National Forest boundary to its confluence with the North Fork of the Gunnison River.

| COGUNF06C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |
| Qualifiers: | |
| Other: | |

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | 100(T) |
| Chromium III | --- | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

7. Paonia Reservoir and Overland Reservoir.

| COGUNF07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

8. All lakes and reservoirs that are tributary to the North Fork of the Gunnison River and within the West Elk or Raggeds Wilderness areas.

| COGUNF08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

9. All lakes and reservoirs tributary to Muddy Creek, Paonia Reservoir, or Coal Creek. All lakes and reservoirs tributary to the North Fork of the Gunnison River from its inception at the confluence with Muddy Creek and Coal Creek to the confluence with the Gunnison River, and within national forest boundaries, excluding the specific listing in Segments 7 and 8. This segment includes Island Lake, Aspen Leaf Reservoir, Floating Lake, Tomahawk Reservoir, Dollar Lake, Lost Lake, Lost Lake Slough, Lake Irwin, Terror Creek Reservoir, Minnesota Reservoir, Beaver Reservoir, Lone Cabin Reservoir, Todd Reservoir, Holy Terror Reservoir (aka Eagle River Reservoir), Goodenough Reservoir, Dogfish Reservoir, Hilltop Reservoir, Willow Reservoir, Doughty Reservoir, Reynolds Reservoir, Hanson Reservoir, Bailey Reservoir, Owens Reservoir, Gray Reservoir, and Patterson Reservoirs.

| COGUNF09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

10. All lakes and reservoirs tributary to Roatcap Creek and Jay Creek from their sources to their confluences with the North Fork of the Gunnison River. All lakes and reservoirs tributary to Hubbard Creek, Terror Creek, Minnesota Creek, or Leroux Creek, and are not within national forest boundaries.

| COGUNF10 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## North Fork of the Gunnison River Basin

11. All lakes and reservoirs tributary to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Coal Creek to the confluence with the Gunnison River, and not within national forest boundaries, except for the specific listings in Segments 7, 9, and 10. This segment includes Roeber Reservoir.

| COGUNF11 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (mg/m2ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | WS--- |
| Lead | TVS | TVS |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

1. All tributaries to the Uncompahgre River, including all wetlands, which are within the Mt. Sneffels or Uncompahgre Wilderness Areas.

| COGUUN01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

2. Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.

| COGUUN02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

3a. Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to a point immediately above the confluence with Cascade Creek.

| COGUUN03A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | ~~2296~~7438(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# Uncompahgre River Basin

3b. Mainstem of the Uncompahgre River from a point immediately above the confluence with Cascade Creek to a point immediately above the confluence with Dexter Creek.

| COGUUN03B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 10/16 - 5/31 | 13 | 9 |
| Temperature °C | 6/~~30~~1 - 10/15 | 21.7 | 17 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | ~~4067~~2971(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

3c. Mainstem of the Uncompahgre River from a point immediately above the confluence with Dexter Creek to a point immediately below the confluence with Dallas Creek.

| COGUUN03C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | ~~268~~21793(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# Uncompahgre River Basin

3d. Mainstem of the Uncompahgre River from a point immediately below the confluence with Dallas Creek to the inlet of Ridgway Reservoir.

| COGUUN03D | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | --- | SSE* |
| Cadmium | ~~TVS(tr)~~SSE* | ~~TVS~~--- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 2053(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

3e. Mainstem of the Uncompahgre River from the outlet of Ridgway Reservoir to a point immediately above the outlet of the South Canal near Uncompahgre.

| COGUUN03E | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/16 – 3/31 | ~~CS-II~~13 | ~~CS-II~~9 |
| Temperature °C | 4/1 – 11/15 | 24.3 | 18.3 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

. Mainstem of the Uncompahgre River from a point immediately above the outlet of the South Canal to a point immediately above the Highway 90 bridge in Montrose.

| COGUUN03F | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

4a. Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Gunnison Road.

| COGUUN04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4b. Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.

| COGUUN04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021
Selenium(chronic) = current condition
Expiration Date of 12/31/2017

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | ~~1800~~893(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

4c. Mainstem of the Uncompahgre River from the upstream boundary of Confluence Park to the confluence with the Gunnison River.

| COGUUN04C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | ~~2356~~1108(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

5. All tributaries to the Uncompahgre River, including all wetlands, from the source to a point immediately below the confluence with Dexter Creek, except for specific listings in Segments 1, 6a, 6b, and 7 through 9.

| COGUUN05 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

6a. Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.

| COGUUN06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation N |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 630 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

6b. Mainstem of Red Mountain Creek from immediately above the confluence with the East Fork of Red Mountain Creek to the confluence with the Uncompahgre River. All tributaries to Red Mountain Creek within Corkscrew and Champion basins.

| COGUUN06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Recreation N |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 3.0 |
| pH | ambient | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 630 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | --- | --- |
| Boron | --- | --- |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | --- | --- |
| Nitrate | --- | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | --- |
| Beryllium | --- | --- |
| Cadmium | --- | --- |
| Chromium III | --- | --- |
| Chromium VI | --- | --- |
| Copper | --- | --- |
| Iron | --- | --- |
| Lead | --- | --- |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | --- |
| Nickel | --- | --- |
| Selenium | --- | --- |
| Silver | --- | --- |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

7. Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.

| COGUUN07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | ~~2700~~2338(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 655 |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

8. Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.

| COGUUN08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | --- | ~~5~~12 |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | ~~---~~50(T) | ~~4~~3.6 |
| Lead | --- | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

9. Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek. Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek. Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and ~~Snefflies~~Sneffels Creek to the confluence with the Uncompahgre River.

| COGUUN09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |

**Qualifiers:**

**Fish Ingestion**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

~~10~~10a. All tributaries to the Uncompahgre River, including all wetlands, from a point immediately below the confluence with Dexter Creek to the South Canal near Uncompahgre, except for specific listings in Segments 1, 10b, and 11.

| ~~COGUUN10~~COGUUN10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

10b. Mainstem of Kettle Gulch from the road crossing at 38.101201, -107.75949 to the County Road 23 crossing.

| COGUUN10B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11* |
| Sulfate | --- = | 250 |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

11. Mainstem of Coal Creek from the source to the Park Ditch, mainstem of Dallas Creek from the source of the East and West Forks to the confluence with the Uncompahgre River; mainstem of Cow Creek~~, including all tributaries,~~ from the Uncompahgre Wilderness Area boundary to a point immediately below the confluence with Nate Creek, tributaries to Cow Creek from the Uncompahgre Wilderness Area boundary to the confluence with the Uncompahgre River; mainstems of Billy Creek, Onion Creek and Beaton Creek from their sources to their confluences with Uncompahgre River; mainstem of Beaver Creek from the source to the confluence with the East Fork of Dallas Creek; and mainstem of Pleasant Valley Creek from the source to the confluence with Dallas Creek.

| COGUUN11 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

12. All tributaries to the Uncompahgre River, including all wetlands, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments 13, 14, 15a and 15b.

| COGUUN12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~100~~10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~7.6~~0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | ~~TVS~~--- | TVS |
| Chromium III | ---TVS | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1400(T) |
| Lead | ~~TVS~~50(T) | TVS |
| Lead | TVS | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

~~13.~~13a. Mainstem of East Fork Dry Creek~~,~~ and Pryor Creek ~~and~~ from their sources to the national forest boundary; West Fork Dry Creek from ~~their sources~~its source to ~~their~~its confluence with East Fork Dry Creek; mainstem of ~~Spring Creek,~~ West Fork Spring Creek and Middle Spring Creek from ~~the source to Popular Road at the mouth of Spring Canyon~~their sources to their confluence, and mainstem of Mexican Gulch from the source to the Section line dividing Section 19 and 30, T49N, R9W.

| ~~COGUUN13~~COGUUN13A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

13b. Mainstem of East Fork Dry Creek from the national forest boundary to its confluence with West Fork Dry Creek. Pryor Creek from the national forest boundary to its confluence with East Fork Dry Creek. Mainstem of Spring Creek from the source to a point immediately below the confluence with Devinny Canyon.

| COGUUN13B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | --- = |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | --- = |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | 100(T) |
| Chromium III | --- | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

13c. Mainstem of Spring Creek from a point immediately below the confluence with Devinny Canyon to Popular Road at the mouth of Spring Canyon.

| COGUUN13C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. East and West Forks of Horsefly Creek, including all tributaries and wetlands, from their sources to a point immediately above their confluence. Happy Canyon Creek, including all tributaries and wetlands, from the source to the most downstream national forest boundary.

| COGUUN14 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | ~~206~~205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

15a. Mainstem of Happy Canyon from a point immediately below the West Canal to the confluence with the Uncompahgre River; mainstem of Horsefly Creek from a point immediately below the confluence with Wildcat Canyon to the confluence with the Uncompahgre River.

| COGUUN15A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation P |
| Qualifiers: | |
| Other: | |

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| Temperature °C | WS-II | WS-II |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~ --- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | acute | chronic |
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

15b. Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.

| COGUUN15B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life ~~Cold~~ Warm 2 |
| | Recreation E |
| Qualifiers: | |
| Other: | |

| Physical and Biological | | |
|---|---|---|
| | DM | MWAT |
| Temperature °C | ~~CS~~WS-II | ~~CS~~WS-II |
| | acute | chronic |
| D.O. (mg/L) | --- | ~~6~~5.0 |
| ~~D.O. (spawning)~~ | ~~---~~ | ~~7.0~~ |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | acute | chronic |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~ --- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | | |
|---|---|---|
| | acute | chronic |
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

16. All lakes and reservoirs tributary to the Uncompahgre River and within the Mt. Sneffels or Uncompahgre Wilderness Areas.

| COGUUN16 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~µg/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 50 |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

17. All lakes and reservoirs tributary to the Uncompahgre River from the source to a point immediately below the confluence with Dexter Creek, except for specific listings in Segment~~s~~ 16. This segment includes Lake Como, Ptarmigan Lake, Crystal Lake, and Lake Lenore.

| COGUUN17 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~µg/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

18. All lakes and reservoirs tributary to the Uncompahgre River from a point immediately below the confluence with Dexter Creek to a point immediately below the South Canal near Uncompahgre, excluding the listings in Segment 16 and 19. All lakes and reservoirs tributary to the East Fork of Dry Creek or the West Fork of Dry Creek from their sources to their confluence. This segment includes Black Lake, Blue Lakes, Ulah Brown Spring, Lake Otonawanda, West Lake, Dry Lake, Elephant Reservoir, Buckhorn Lakes, Silesca Pond and Olathe Reservoirs 1 and 2.

| COGUUN18 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Lake Otonawanda only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (µg/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

19. Ridgway Reservoir.

| COGUUN19 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2ug/L~~) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

20. Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).

| COGUUN20 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (mg/m2ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | 0.5--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

21. All lakes and reservoirs tributary to the Uncompahgre River from a point immediately below the South Canal near Uncompahgre to the confluence with the Gunnison River, excluding the listings in Segments 18.20. and 18.22.

| COGUUN21 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |

**Qualifiers:**

**Fish Ingestion**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (mg/m2ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS100(T) |
| Chromium III | --- | 100(T)TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Uncompahgre River Basin

22. Fairview Reservoir.

| COGUUN22 | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Fairview Reservoir only.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (µg/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.083* |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

1. Mainstem of the Gunnison River from the outlet of Crystal Reservoir to ~~a point immediately above the confluence with the Uncompahgre River.~~Highway 65 (38.772574, -108.002634).

| COGULG01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | ~~TVS~~--- | TVS |
| Zinc | ~~---~~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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

2. Mainstem of the Gunnison River from ~~a point immediately above the confluence with the Uncompahgre River~~Highway 65 (38.772574, -108.002634) to the confluence with the Colorado River.

| COGULG02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

Selenium(chronic) = current conditions

Expiration Date of 12/31/2022

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | 480 |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

3. All tributaries to the Gunnison River, including all wetlands, which are within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork Gunnison River sub-basin, Uncompahgre River sub-basins, and ~~s~~Segments 10, 11a, 11b, and 12.

| COGULG03 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

4a. All tributaries to the Gunnison River, including all wetlands which are not within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, and in Segments 3, 4b, 4c, 5a, 5b, ~~through~~, 6a, 6b, 6c, 7, 8a, 8b, 10a, 10b, ~~12~~ and ~~13~~12.

| COGULG04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

4b. All tributaries to Reeder, Hollenbeck, and Juniata Reservoirs, and the mainstem of Kannah Creek below the point of diversion for public water supply. (38.961321, -108.229830).

| COGULG04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4c. Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.

| COGULG04C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

~~5. Mainstem of Roubideau Creek from the national forest boundary to the confluence with Potter Creek; mainstem of Monitor Creek from the national forest boundary to the confluence with Potter Creek; mainstem~~5a. Mainstem of North Fork Escalante Creek from the national forest boundary to the confluence with Escalante Creek.

| ~~COGULG05~~COGULG05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-~~II~~I | CS-~~II~~I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

5b. Mainstem of Roubideau Creek from the national forest boundary to the confluence with Potter Creek; mainstem of Monitor Creek from the national forest boundary to the confluence with Potter Creek, Potter Creek from Monitor Creek to the confluence with Roubideau Creek.

| COGULG05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | --- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

~~6~~6a. Mainstem of ~~Roubideau Creek from Potter Creek to the Gunnison River; mainstem of~~ Escalante Creek from the national forest boundary to the ~~Gunnison River;~~Delta/Montrose County line (38.668215, -108.328144); mainstem of Little Dominguez from the national forest boundary to Big Dominguez Creek; mainstem of Big Dominguez from the national forest boundary to the Gunnison River~~, mainstem of East Creek from the source to the Gunnison River.~~.

| ~~COGULG06~~COGULG06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

06b. Mainstem of Roubideau Creek from Potter Creek to the Gunnison River. Mainstem of East Creek from the source to the Gunnison River.

| COGULG06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | --- = |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17* |
| Sulfate | --- = | --- = |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | --- | TVS |
| Chromium III | TVS | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

06c. Mainstem of Escalante Creek from the Delta/Montrose County line (38.668215, -108.328144) to the Gunnison River.

| COGULG06C | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |
| Qualifiers: | |
| Other: | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | acute | chronic |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | 250 |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium III | TVS | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

7a. Mainstem of Ward Creek, from the national forest boundary to the confluence with Dirty George Creek.

| COGULG07A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7b. Mainstem of Surface Creek from the point of diversion of water supply (38.965216, -107.876031) to the confluence with Tongue Creek; mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River; mainstem of Youngs Creek from the national forest boundary to the confluence with Kiser Creek; mainstem of Kiser Creek from the national forest boundary to the confluence with ~~Youngs~~Ward Creek.

| COGULG07B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | ~~150~~* |
| E. Coli (per 100 mL) | --- | 205 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | ~~TVS~~--- | TVS |
| Zinc | ~~---~~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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

~~8~~8a. Mainstem of Surface ~~Creek and Kannah~~ Creek, including all tributaries, from the national forest boundary to the point of diversion for public water supply~~.~~ (38.965216, -107.876031).

| ~~COGULG08~~COGULG08A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 1000 |
| Manganese | --- | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

8b. Mainstem of Kannah Creek, including all tributaries, from the national forest boundary to the point of diversion for public water supply (38.961321, -108.229830).

| COGULG08B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 1000 |
| Manganese | --- | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | --- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | TVS(sc) |

9. Fruitgrowers Reservoir.

| COGULG09 | Classifications | |
|---|---|---|
| Designation | Agriculture | |
| UP | Aq Life Warm 2 | |
| | Recreation E | ~~4/1 - 10/31~~ |
| | ~~Recreation P~~ | ~~11/1 - 3/31~~ |

**Qualifiers:**

**Fish Ingestion**

**Other:**

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | | WL | WL |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | | --- | --- |
| E. Coli (per 100 mL) | ~~4/1 - 10/31~~ | --- | 126 |
| ~~E. Coli (per 100 mL)~~ | ~~11/1 - 3/31~~ | ~~---~~ | ~~205~~ |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

~~10~~10a. Mainstem of the Smith Fork from the confluence of the North Smith Fork and South Smith Fork to the ~~confluence with the Gunnison River.~~Crawford Clipper Ditch diversion (38.706373, -107.591999).

| ~~COGULG10~~COGULG10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | TVS(sc) |

10b. Mainstem of the Smith Fork from the Crawford Clipper Ditch diversion (38.706373, -107.591999) to the confluence with the Gunnison River.

| COGULG10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

11a. All tributaries to the Smith Fork, including all wetlands, which are within national forest boundaries except for specific listings in Segment 11b; Doug Creek from the source to the confluence with Muddy Creek.

| COGULG11A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | ~~---~~ | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

11b. All tributaries to the Smith Fork, including all wetlands, which are within the West Elk Wilderness Area.

| COGULG11B | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12. All tributaries to the Smith Fork, including all wetlands, which are not within national forest boundaries, except for the specific listing in Segment 11a.

| COGULG12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 205 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

13. Crawford Reservoir.

| COGULG13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| **Qualifiers:** | |

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~µg/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

14. All lakes and reservoirs tributary to the Gunnison River, from the outlet of Crystal Reservoir to the confluence with the Colorado River, and within national forest boundaries, excluding listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, and Segments 15, 17 and 18. This segment includes Trickle Reservoir, Hale Reservoir, Marcott Park Reservoir, Cherry Lane Reservoir, Cole Reservoirs, Cedar Mesa Reservoir, Kehmeier Reservoir, Weir and Johnson Reservoir, Bonita Reservoir, Blanche Park Reservoir, Vela Reservoir, Knox Reservoir, Military Park Reservoir, Eureka Park Reservoir, Carbonate Park Reservoirs, Prebble Reservoir, Youngs Creek Reservoirs, Kiser Reservoir, Donnely Reservoir, Kiser Slough Reservoir, Baron Lake, Upper Eggleston Lake, Upper Hotel Lake, Hotel Lake, Arch Slough, Alexander Lake, Deep Ward Lake, Kennicott Slough Reservoir, Womack Reservoirs, Deep Slough Reservoir, Scotland Peak Reservoir, Boulder Lake Reservoir, Basin Reservoir 1, Clear Lake, Granby Reservoirs, Dugger Reservoir, Carson Lake, Crane Lake, Flowing Park, Blue Lake, Chambers Reservoir, Scales Lakes, Grand Mesa Reservoirs, Anderson Reservoirs, Bolen Reservoir, Bolen-Anderson-Jacobs Reservoir 2, Hollenbeck Reservoir 2, Cliff Lake Reservoir, Lee Reservoirs, Lone Pine Reservoirs, Bullfrog Reservoir, Twin Lake, Harry White Reservoirs, Beaver Dam Reservoir, and Fruita Reservoirs 1 and 2.

| COGULG14 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.~~45~~-9.0 | --- |
| chlorophyll a (~~mg/m2~~µg/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

15. Island Lake, Eggleston Lake, and Trickle Park Reservoir (aka Park Reservoir).

| COGULG15 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.45-9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

16. All lakes and reservoirs that are tributary to the Gunnison River, from the outlet of Crystal Reservoir to the confluence with the Colorado River, and not within national forest boundaries, excluding the listings in the North Fork of the Gunnison sub-basin, the Uncompahgre River sub-basin, and Segments 9, 13, and 19. This segment includes Poison Springs Reservoir, Dry Fork Reservoir, Delta Reservoir, Winkler Reservoir, Desert Reservoir, Alkali Reservoir, Cheney Reservoir, Juniata Reservoir, Hallenbeck Reservoir, Reeder Reservoir, Enochs Lake, Gobbo Reservoir, Schrader Reservoir, and King Reservoir.

| COGULG16 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Hallenbeck and Juniata Reservoirs only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

17. All lakes and reservoirs tributary to the Smith Fork, and within national forest boundaries excluding the listings in Segment 18. All lakes and reservoirs tributary to Doug Creek.

| COGULG17 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

18. All lakes and reservoirs tributary to the Smith Fork, and are within the West Elk Wilderness Area.

| COGULG18 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Gunnison River Basin

19. All lakes and reservoirs tributary to the Smith Fork, which are not within national forest boundaries, excluding the listings in Segment 17. This segment includes Gould Reservoir.

| COGULG19 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation P |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

1. All tributaries, including wetlands, to the San Miguel River~~,~~ ~~and~~ that are within the boundaries of the Lizard Head~~,~~ or Mount Sneffels Wilderness Areas.

| COGUSM01 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

22a. All tributaries, including all and wetlands, to the San Miguel River from its sources to a point immediately below the confluence of Leopard Creek, with except for specific listings in the exceptions listed in Segments 1, 2b, 6a, 6b, 7 and 8.

| COGUSM02COGUSM02A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr)SSE* | TVS--- |
| Cadmium | 5.0(T) | --- |
| Cadmium | --- | SSE* |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVSWS |
| Manganese | --- | WSTVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS(sc) |
| Zinc | --- | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

2b. Leopard Creek from a point just below the confluence with Buck Canyon to the confluence with the San Miguel River.

| COGUSM02B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.11 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | --- | SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | --- | TVS |
| Zinc | 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

3a. Mainstem of the San Miguel River from its inception at the confluence of Bridal Veil and Ingram Creeks to a point immediately above the confluence of Marshall Creek.

| COGUSM03A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | --- |
| Uranium | --- | --- |
| Zinc | --- | 190 |

3b. Mainstem of the San Miguel River from a point immediately above the confluence of Marshall Creek to a point immediately above the confluence of the South Fork San Miguel River.

| COGUSM03B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]
*Temperature =
DM=13.9 and MWAT=9 from 10/1-10/31
DM=13 and MWAT=9 from 11/1-3/31
DM=14 and MWAT=9 from 4/1-5/31
DM=21.7 and MWAT=17 from 6/~~30~~1-9/30

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | varies* | varies* |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | --- | ~~TVS~~--- |
| Copper | --- | ~~---~~TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | --- | ~~190~~ 240 |

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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

4a. Mainstem of the San Miguel River from a point immediately above the confluence of the South Fork of the San Miguel River to a point immediately below the CC ditch.

| COGUSM04A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | --- | WS |
| Manganese | TVS | TVS |
| ~~Manganese~~ | --- | ~~WS~~ |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

4b. Mainstem of the San Miguel River from a point immediately below the CC ditch to a point immediately below the confluence of Naturita Creek.

| COGUSM04B | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 2/29 | 13 | 9 |
| Temperature °C | 3/1 - 10/31 | 30.9 | 23.3 |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 5.0 |
| pH | | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | | --- | --- |
| E. Coli (per 100 mL) | | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ---TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

~~5~~5a. Mainstem of the San Miguel River from a point immediately below the confluence of Naturita Creek to ~~its~~ a point immediately below the confluence ~~with the Dolores River~~of Coal Canyon.

| ~~COGUSM05~~COGUSM05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | ~~100~~10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~7.6~~0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

5b. Mainstem of the San Miguel River from a point immediately below the confluence of Coal Canyon to its confluence with the Dolores River.

| COGUSM05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | --- = |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | --- = |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.5 | --- = |
| Phosphorus | --- = | --- = |
| Sulfate | --- = | --- = |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium III | TVS | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

6a. Mainstem of Ingram Creek including, all tributaries and wetlands, from the source to the confluence with the San Miguel River.

| COGUSM06A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | ~~---TVS~~ | ~~TVS~~190 |

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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

6b. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with the San Miguel River.

| COGUSM06B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*1.136672-[(ln hardness)*(0.041838)]
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*1.101672-[(ln hardness)*(0.041838)]

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS~~--- | ~~TVS~~SSE* |
| Cadmium | SSE* | --- |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | --- | 190 |

7. Mainstem of ~~the~~ Howard Fork and~~, all~~ including tributaries~~,~~ and wetlands, from a point immediately below the confluence of Swamp Gulch to its confluence with the South Fork of the San Miguel River.

| COGUSM07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

8. Mainstem of the South Fork of the San Miguel River from its inception at the confluence of the Howard and Lake Forks to its confluence with the San Miguel River.

| COGUSM08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | ~~TVS~~--- | 80 |
| Manganese | ---TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

9. All tributaries to the San Miguel River, including all wetlands, from a point immediately below the confluence of Leopard Creek to the Dolores River that are within the boundaries of the Uncompahgre National Forest~~.~~, except for the listings in Segments 10a and 11a.

| COGUSM09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

~~10. Mainstem of Naturita Creek from the point it exits the Uncompahgre National Forest at the most downstream boundary to its confluence with the San Miguel River.~~10a. Mainstem of Tabeguache Creek from its source to the ~~confluence with the San Miguel River~~Uncompahgre National Forest boundary.

| ~~COGUSM10~~COGUSM10A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

~~Temporary Modification(s):~~

~~Arsenic(chronic) = hybrid~~

~~Expiration Date of 12/31/2021~~

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | 75 |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

10b. Mainstem of Naturita Creek and Tabeguache Creek from the point it exits the Uncompahgre National Forest at the most downstream boundary to the confluence with the San Miguel River.

| COGUSM10B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | 75 |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

11a. All tributaries to Miramonte Reservoir and West Naturita Creek from their sources to the Uncompahgre National Forest Boundary below Miramonte Reservoir. The ~~mainstems~~mainstem of Beaver ~~and Horsefly Creeks~~Creek from the Uncompahgre National Forest boundary to ~~their confluences~~its confluence with the San Miguel River. The mainstem Horsefly Creek from its source to its confluence with the San Miguel River.

| COGUSM11A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

11b. Mainstem of Saltado Creek from the Uncompahgre National Forest boundary to the confluence with the San Miguel River.

| COGUSM11B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12a. All tributaries and wetlands to Naturita Creek. All tributaries and wetlands to the San Miguel River from a point immediately below the confluence ~~of~~with Leopard Creek to a point immediately above ~~Naturita~~Horsefly Creek ~~with~~ . This segment excludes the ~~exceptions listed~~listings in Segments 9, ~~10,~~ 11a, 11b, ~~and 11b~~12b, and 12c.

| COGUSM12A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

12b. All tributaries and wetlands to the San Miguel River from a point immediately above ~~Naturita~~Horsefly Creek to the confluence with the Dolores River, excluding the listings in Segments 9, ~~10,~~ 11a, ~~and 11b~~11b, 12a, and 12c. Maverick Draw, including all tributaries and wetlands, from its source to the confluence with Naturita Creek.

| COGUSM12B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life ~~Cold~~Warm 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Water + Fish Standards**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

Discharger Specific Variance(s):

Ammonia(acute) = TVS:no limit

Ammonia(chronic) = TVS:13.8 mg/L 11/1 - 4/30

Ammonia(chronic) = TVS:8.3 mg/L 5/1 - 10/31

Expiration Date of 12/31/2026

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

*Variance: Ammonia = see 35.6(4) for details.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | ~~CS~~WS-II | ~~CS~~WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | ~~6~~5.0 |
| ~~D.O. (spawning)~~ | ~~---~~ | ~~7.0~~ |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.17* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS~~(tr)~~ | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~WS~~TVS |
| Manganese | --- | ~~TVS~~WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS~~(tr)~~ |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

12c. Mainstem of Calamity Draw from Lincoln Street in Nucla (38.264075, -108.555087) to the confluence with the San Miguel River.

| COGUSM12C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation E |

**Qualifiers:**

**Fish Ingestion**

**Other:**

*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 35.5(4).
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 100 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17* |
| Sulfate | --- = | 250 |
| Sulfide | --- = | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

13. All lakes and reservoirs tributary to the San Miguel River ~~and~~ that are within the boundaries of the Lizard Head~~,~~ or Mount Sneffels Wilderness Areas.

| COGUSM13 | Classifications |
|---|---|
| **Designation** | Agriculture |
| OW | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

14. All lakes and reservoirs tributary to the San Miguel River from its source~~s~~ to a point immediately below the confluence of Leopard Creek, ~~excluding the~~except for the specific listings in Segments 13, 15, 16, 17 and 20. This segment includes Lake Hope, Cushman Lake, Alta Lakes, Blue Lake, Mud Lake, and Woods Lake.

| COGUSM14 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | --- | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

15. All lakes and reservoirs tributary to Ingram Creek from the source to the confluence with the San Miguel River. This segment includes Ingram Lake.

| COGUSM15 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | ~~TVS~~100(T) |
| Chromium III | --- | ~~100(T)~~TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

16. All lakes and reservoirs tributary to Marshall Creek from the source to the confluence with the San Miguel River. This segment includes Thorne Lake.

| COGUSM16 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| Zinc | --- | 190 |

17. All lakes and reservoirs tributary to the Howard Fork from a point immediately below the confluence of Swamp Gulch to the confluence with the South Fork of the San Miguel River.

| COGUSM17 | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

18. All lakes and reservoirs tributary to the San Miguel River from a point immediately below the confluence of Leopard Creek to the confluence with the Dolores River, and that are within Uncompahgre National Forest boundaries. This segment includes Hoffman Reservoir, Paxton Reservoir, and Hotchkiss Reservoir.

| COGUSM18 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | 5.0(T) | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

19. All lakes and reservoirs tributary to the San Miguel River from a point immediately below the confluence of Leopard Creek to the Dolores River, and not within Uncompahgre National Forest boundaries, excluding the listings in Segment ~~19~~20. This segment includes Point Reservoir, Palmers Lake, Williams Reservoir, Town Reservoir, and Lilylands Reservoir.

| COGUSM19 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Town Reservoir only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | ~~7.6~~0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | TVS | TVS |
| Chromium III | 50(T) | --- |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## San Miguel River Basin

20. Trout Lake, Gurley Reservoir, Cone Reservoir, and Miramonte Reservoir.

| COGUSM20 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |
| | DUWS* |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Classification: DUWS applies to Gurley Reservoir only.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CLL | CLL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

1a. Mainstem of the Dolores River from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to a point immediately above the confluence with Big Canyon Creek near Dove Creek.

| COGULD01A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/22 | 13 | 9 |
| Temperature °C | 3/23 - 10/31 | 26.6 | 23.8 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | ~~TVS~~--- | TVS |
| Manganese | ~~---~~TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Nickel | --- | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

1b. Mainstem of the Dolores River from a point immediately above the confluence with Big Canyon Creek near Dove Creek to a point immediately above the Highway 141 road crossing near Slick Rock.

| COGULD01B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| Temperature °C | 11/1 - 3/22 | 13 | 9.1 |
| Temperature °C | 3/23 - 10/31 | 27.6 | 24.7 |

| | acute | chronic |
|---|---|---|
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | ~~TVS~~--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

2. Mainstem of the Dolores River from the Highway 141 road crossing near Slick Rock to the Colorado/Utah border.

| COGULD02 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | --- | 100(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

3a. All tributaries to the Dolores River, including all wetlands, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, except for specific listings in Segments 3b, 3c, 4, 5a, 5b, and 6.

| COGULD03A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02-10(T) [A] |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

3b. All tributaries to the Dolores River, including wetlands, that are within national forest boundaries, from the bridge at Bradfield Ranch (Forest Route 505, near the Montezuma/Dolores County Line) to the Colorado/Utah border, excluding the small area of Uncompahgre National Forest within the Disappointment Valley and the listings in Segments 3c~~, 4, 5,~~ and ~~6~~5a. Disappointment Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Morrison Creek.

| COGULD03B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | TVS |
| ~~Zinc~~ | ~~TVS~~ | ~~TVS~~ |
| Zinc | --- | TVS(sc) |
| Zinc | TVS | TVS |

3c. Mainstem and all tributaries to Salt Creek, including all wetlands from the source within the Sinbad Valley to the confluence with the Dolores River.

| COGULD03C | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 2 |
| | Recreation E |
| **Qualifiers:** | |
| **Other:** | |

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-III | WS-III |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | 6.6 |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

4. Mainstem of West Paradox Creek from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. Mainstem and all tributaries to Blue Creek from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

| COGULD04 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |
| **Inorganic (mg/L)** | | |
| | **acute** | **chronic** |
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.17 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

55a. Mainstem of West Creek from the source to the confluence with the Dolores River. Roc Creek including all tributaries and wetlands from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. La Sal Creek, including all tributaries and wetlands, from the Utah/Colorado border to the confluence with the Dolores River. Mesa Creek, including all tributaries Tributaries and wetlands. to Mesa Creek from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

| COGULD05 COGULD05A | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-II | CS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | 0.05--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS--- | TVS |
| Manganese | ---TVS | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160150(T) |
| Nickel | TVS--- | TVS |
| Nickel | TVS | 100(T) |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | TVS | 16.8-30(T) [A] |
| Zinc | TVS | TVS |

5b. Roc Creek including all tributaries and wetlands from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. Mainstem of Mesa Creek from its inception at the confluence with North Fork Mesa Creek and East Mesa Creek to the confluence with the Dolores River.

| COGULD05B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Warm 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | WS-II | WS-II |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- = |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- = | 0.75 |
| Chloride | --- = | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- = |
| Nitrate | 10 | --- = |
| Nitrite | 0.05 | --- = |
| Phosphorus | --- = | 0.17 |
| Sulfate | --- = | WS |
| Sulfide | --- = | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 150(T) |
| Nickel | TVS | 100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | TVS | 16.8-30(T) [A] |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

6. North Fork of West Creek, including all tributaries and wetlands, from the source to the confluence with West Creek. Granite Creek, including all tributaries and wetlands, from the source the Colorado/Utah border.

| COGULD06 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | 150 |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.11 |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | 100(T) |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | TVS | TVS |
| Lead | 50(T) | --- |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Lower Dolores River Basin

7. All lakes and reservoirs tributary to the Dolores River, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, and within national forest boundaries. This segment includes Long Park Reservoir, Cabin Reservoir, Beef Trail Reservoir, Dry Lake, Glade Lake, Glade Point Reservoir, Arrowhead Lake, ~~Morrison Lake, Old Dunham Reservoir, Belmear Lake,~~ Buckeye Reservoir, Black Pine Reservoir, Casto Reservoir, and Big Creek Reservoir.

| COGULD07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CL | CL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 8* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | 0.05 | ~~0.05~~--- |
| Phosphorus | --- | 0.025* |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Cadmium | 5.0(T) | --- |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| ~~Iron~~ | ~~---~~ | ~~WS~~ |
| Iron | --- | 1000(T) |
| Iron | --- | WS |
| Lead | 50(T) | --- |
| Lead | TVS | TVS |
| Manganese | TVS | ~~TVS~~WS |
| Manganese | --- | ~~WS~~TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | ~~TVS~~100(T) |
| Nickel | --- | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

8. All lakes and reservoirs tributary to the Dolores River, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, and not within national forest boundaries.

| COGULD08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Warm 2 |
| | Recreation E |

**Qualifiers:**

**Other:**

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | WL | WL |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 5.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (ug/L) (~~mg/m2~~ug/L) | --- | 20* |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | 0.5 | ~~0.5~~--- |
| Phosphorus | --- | 0.083* |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS | TVS |
| ~~Chromium III~~ | ~~TVS~~ | ~~TVS~~ |
| Chromium III | --- | 100(T) |
| Chromium III | TVS | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | ~~160~~150(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.

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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

# EXHIBIT 3
# TOWN OF SILVERTON

**REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN RIVER AND DOLORES RIVER BASINS**

**5 CCR 1002-34**

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**. . . .**

**34.48 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 14, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE**

Middle Arkansas Segment 6b: Temporary modifications of the cadmium and copper standards were extended to 12/31/2022. The Town of Silverton presented evidence that additional time is needed to resolve the uncertainty regarding the underlying cadmium and copper standards. There is uncertainty regarding the degree to which existing concentrations of cadmium and copper are irreversible, because the U.S. EPA Superfund Program is evaluating potential remediation projects in the watershed that may reduce loading of copper and cadmium to the Animas River. Therefore, the commission extended the expiration date of the “current conditions” temporary modifications for cadmium and copper to 12/31/2022.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basins

3b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.

| COSJAF03B | Classifications | |
|---|---|---|
| **Designation** | Recreation E | 5/15 - 9/10 |
| UP | Recreation N | 9/11 - 5/14 |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Cadmium(ac/ch) = current condition

Copper(ac/ch) = current condition

~~Zinc(ac/ch) = current condition~~

Expiration Date of 12/31/~~2017~~ 2022

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

**Physical and Biological**

| | | DM | MWAT |
|---|---|---|---|
| | | | |
| | | **acute** | **chronic** |
| D.O. (mg/L) | | --- | 3.0 |
| pH | | 6.0-9.0 | --- |
| chlorophyll a (mg/m2) | | --- | --- |
| E. Coli (per 100 mL) | 5/15 - 9/10 | --- | 126 |
| E. Coli (per 100 mL) | 9/11 - 5/14 | --- | 630 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | --- | --- |
| Boron | --- | --- |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | --- | --- |
| Nitrate | --- | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | --- |
| Beryllium | --- | --- |
| Cadmium | --- | --- |
| Chromium III | --- | --- |
| Chromium VI | --- | --- |
| Copper | --- | --- |
| Iron | --- | --- |
| Lead | --- | --- |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | --- |
| Nickel | --- | --- |
| Selenium | --- | --- |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | --- |

4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.

| COSJAF04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2* |
| | Recreation E |

**Qualifiers:**

**Other:**

*Classification: Aquatic life indicator goal: Brook Trout

*Aluminum(acute) = Standards are listed on Table 1.

*Aluminum(chronic) = Standards are listed on Table 1.

*Iron(chronic) = Standards are listed on Table 1.

*Zinc(acute) = Standards are listed on Table 1.

*Zinc(chronic) = Standards are listed on Table 1.

*pH(acute) = Standards are listed on Table 1.

Temporary Modification(s):

Cadmium(ac/ch) = current condition

Copper(ac/ch) = current condition

Expiration Date of 12/31/ 2022

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | varies* | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | varies* | varies* |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | varies* |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | varies* | varies* |

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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.

TABLE 1

ANIMAS RIVER BASIN
AQUATIC LIFE INDICATOR GOAL: BROOK TROUT

Segment 3a
Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cd | TVS | TVS | TVS | 3.5 | 2.2 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Mn | TVS | TVS | 2571 | 2179 | TVS | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Segment 4a

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 5.9-9.0 | 5.7-9.0 | 6.2-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 5.9-9.0 |
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Fe | 3473 | 2961 | 3776 | 3404 | 2015 | 1220 | 1286 | 1830 | 1623 | 2258 | 2631 | 3511 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Segment 9

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 4.9-9.0 | 4.8-9.0 | 4.9-9.0 | 5.9-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.2-9.0 | 5.4-9.0 |
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |
| Cu | TVS | TVS | TVS | 18 | 20 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Fe | 3420 | 3800 | 4370 | 3370 | 3150 | 2210 | 2275 | 2280 | 3020 | 3580 | 3620 | 3490 |
| Zn | TVS | TVS | TVS | TVS | 230 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |

# EXHIBIT 4
# ANIMAS RIVER STAKEHOLDERS GROUP

**DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Water Quality Control Commission**

**REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN RIVER AND DOLORES RIVER BASINS**

**5 CCR 1002-34**

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**34.48 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 14, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE**

The Commission changed the chronic and acute cadmium standards in several segments in the upper Animas River Basin to a site specific equation equal to EPA's new cadmium criteria. Water quality in all of these segments – 3a, 3c, 4a, 4b, 6, and 9 – may be impacted by activities related to the newly created Bonita Peak Mining District Superfund site. While remediation goals under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) related to water quality do not have to meet the standards set by the Commission, the authorities implementing the remedial actions will look to the Commission's standards to help guide their determinations regarding remediation.

In addition, several of the segments currently do not meet chronic cadmium Table Value Standards (TVS), but will meet the new equation from EPA's new criteria. This change in standard will keep these segments from potentially being listed as impaired waters for cadmium.

In segment 3a, the Commission decided to keep in place the numeric, chronic cadmium standards for April and May, at least until more investigations under the Superfund program are completed.

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basins

3a. Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Maggie Gulch to immediately above the confluence with Cement Creek.

| COSJAF03A | Classifications |
|---|---|
| Designation | Agriculture |
| Reviewable | Aq Life Cold 1* |
| | Recreation E |

**Qualifiers:**

**Other:**

*Classification: Aquatic life indicator goal: Brook Trout
*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909) – except for April where Cadmium (chronic) = 3.5 and May where Cadmium (chronic) = 2.2.
~~Cadmium(chronic) = Standards are listed on Table 1.~~
*Manganese(chronic) = Standards are listed on Table 1.
*Zinc(acute) = Standards are listed on Table 1.
*Zinc(chronic) = Standards are listed on Table 1.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | 750(T) | 750(T) |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~varies*~~ |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | --- | varies* |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | varies* | varies* |

3c. Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.

| COSJAF03C | Classifications |
|---|---|
| Designation | Agriculture |
| UP | Aq Life Cold 2 |
| | Recreation E |

**Qualifiers:**

**Other:**
*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909)

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~TVS~~ |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basins

4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.

| COSJAF04A | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2* |
| | Recreation E |

**Qualifiers:**

**Other:**

*Classification: Aquatic life indicator goal: Brook Trout

*Aluminum(acute) = Standards are listed on Table 1.

*Aluminum(chronic) = Standards are listed on Table 1.

*Iron(chronic) = Standards are listed on Table 1.

*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909)

*Zinc(acute) = Standards are listed on Table 1.

*Zinc(chronic) = Standards are listed on Table 1.

*pH(acute) = Standards are listed on Table 1.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | varies* | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | --- |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | varies* | varies* |
| Arsenic | 340 | 100(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~TVS~~ |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | varies* |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | varies* | varies* |

4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge.

| COSJAF04B | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909)

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | TVS(T) | TVS(T) |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~TVS~~ |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basins

6. Mainstem of the Animas River from the source to the outlet of Denver Lake. Mainstem, including all tributaries and wetlands of Cinnamon Creek, Grouse Creek, Picayne Gulch, and Minnie Gulch. All tributaries and wetlands to the Animas River from immediately above Maggie Gulch to Elk Park (including tributaries and wetlands of Mineral Creek) except for those listed under segments 3c, 7, 8, and 9.

| COSJAF06 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909)

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~TVS~~ |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

7. Mainstem of Cement Creek, including all tributaries, and wetlands, from the source to the confluence with the Animas River.

| COSJAF07 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Recreation E |

**Qualifiers:**

**Other:**

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

| Physical and Biological | DM | MWAT |
|---|---|---|
| | | |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 3.0 |
| pH | 3.7-9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | 10 |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | 160(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

# REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Animas and Florida River Basins

8. Mainstem of Mineral Creek, including wetlands, from the source to a point immediately above the confluence with South Mineral Creek. All tributaries on the east side of this segment of Mineral Creek including wetlands, except for Big Horn Creek. Mainstem of the Middle Fork of Mineral Creek including all tributaries and wetlands from the source to the confluence with Mineral Creek except for Crystal Lake and its exiting tributary to confluence with Middle Fork of Mineral Creek.

| COSJAF08 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Recreation E |

**Qualifiers:**

**Other:**

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| | | |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 3.0 |
| pH | 4.5-9.0 | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | --- | --- |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | --- | --- |
| Cyanide | 0.2 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | 10 |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | --- |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | --- | 100(T) |
| Beryllium | --- | 100(T) |
| Cadmium | --- | 10(T) |
| Chromium III | --- | 100(T) |
| Chromium VI | --- | 100(T) |
| Copper | --- | 200(T) |
| Iron | --- | --- |
| Lead | --- | 100(T) |
| Manganese | --- | --- |
| Mercury | --- | --- |
| Molybdenum | --- | 160(T) |
| Nickel | --- | 200(T) |
| Selenium | --- | 20(T) |
| Silver | --- | --- |
| Uranium | --- | --- |
| Zinc | --- | 2000(T) |

9. Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.

| COSJAF09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| UP | Aq Life Cold 2* |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

*Classification: Aquatic Life indicator goal: Macroinvertebrates; Brook Trout corridor
*Aluminum(chronic) = Standards are listed on Table 1.
*Cadmium(acute) =(1.136672-ln(hardness) *0.041838)*e^(0.9789*ln(hardness)-3.866)
*Cadmium(chronic) =(1.101672-ln(hardness) *0.041838)* e^(0.7977*ln(hardness)-3.909)
*Copper(chronic) = Standards are listed on Table 1.
*Iron(chronic) = Standards are listed on Table 1.
*Zinc(chronic) = Standards are listed on Table 1.
*pH(acute) = Standards are listed on Table 1.

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | varies* | --- |
| chlorophyll a (mg/m2) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic | |
|---|---|---|---|
| Aluminum | --- | varies* | |
| Arsenic | 340 | 0.02-10(T) | A |
| Beryllium | --- | --- | |
| Cadmium | SSE* ~~TVS(tr)~~ | SSE* ~~TVS(tr)~~ | |
| Chromium III | TVS | TVS | |
| Chromium III | 50(T) | --- | |
| Chromium VI | TVS | TVS | |
| Copper | TVS | varies* | |
| Iron | --- | varies* | |
| Iron | --- | WS | |
| Lead | TVS | TVS | |
| Manganese | TVS | TVS | |
| Manganese | --- | WS | |
| Mercury | --- | 0.01(t) | |
| Molybdenum | --- | 160(T) | |
| Nickel | TVS | TVS | |
| Selenium | TVS | TVS | |
| Silver | TVS | TVS(tr) | |
| Uranium | --- | --- | |
| Zinc | TVS | varies* | |

## 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.

TABLE 1

ANIMAS RIVER BASIN
AQUATIC LIFE INDICATOR GOAL: BROOK TROUT

Segment 3a
Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~Cd~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ | ~~3.5~~ | ~~2.2~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ | ~~TVS~~ |
| Mn | TVS | TVS | 2571 | 2179 | TVS | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Zn | 720 | 780 | 1060 | 1200 | 760 | 410 | 280 | 340 | 380 | 440 | 510 | 590 |

Segment 4a

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 5.9-9.0 | 5.7-9.0 | 6.2-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 5.9-9.0 |
| Al(Trec) | 3100 | 3550 | 2800 | 2020 | 1010 | 740 | 700 | 1360 | 1490 | 1610 | 2280 | 2570 |
| Fe | 3473 | 2961 | 3776 | 3404 | 2015 | 1220 | 1286 | 1830 | 1623 | 2258 | 2631 | 3511 |
| Zn | 460 | 520 | 620 | 570 | 430 | 250 | 170 | 240 | 290 | 340 | 380 | 420 |

Segment 9

Acute Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |

Chronic Standards

| | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | 4.9-9.0 | 4.8-9.0 | 4.9-9.0 | 5.9-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.5-9.0 | 6.2-9.0 | 5.4-9.0 |
| Al(Trec) | 4680 | 4950 | 4560 | 3800 | 1390 | 1350 | 1290 | 2040 | 2570 | 2680 | 3450 | 4050 |
| Cu | TVS | TVS | TVS | 18 | 20 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |
| Fe | 3420 | 3800 | 4370 | 3370 | 3150 | 2210 | 2275 | 2280 | 3020 | 3580 | 3620 | 3490 |
| Zn | TVS | TVS | TVS | TVS | 230 | TVS | TVS | TVS | TVS | TVS | TVS | TVS |

# EXHIBIT 5
# HOMESTAKE MINING COMPANY

**35.45 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 7, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE**

Upper Gunnison River 21:

The Commission assigned a site-specific narrative standard of LPL ("lowest practical level") to Segment 21, the mainstem of Marshall Creek from the source to the confluence with Tomichi Creek, including all tributaries with the exception of Indian Creek, Segment 20. Indian Creek is impacted by releases of uranium from natural and anthropogenic sources – respectively, the Chester Fault and the Pitch uranium mine, which ceased mining operations c. 1984. Marshall Creek receives the uranium load from Indian Creek.

In the absence of a segment-specific standard for uranium, Segment 21 previously fell within the purview of the "Basin-Basic" uranium standard in Regulation 35.5(3), which provides that uranium levels be maintained at the lowest practicable level, or for a water supply segment, 16.8 – 30 µg/L or naturally-occurring concentrations, whichever is greater. Naturally-occurring uranium concentrations in Marshall Creek are not well defined, given the absence of pre-mining water quality data, although it is likely that historical background concentrations exceeded 30 µg/L, given that Marshall Creek is heavily impacted by Indian Creek, which drains the Chester Fault.

Although Segment 21 carries the Water Supply designated use, based on the existence of a small number of domestic wells serving the Sargents area along lower Marshall Creek, there is currently no segment-specific uranium standard assigned to Segment 21. The Homestake Mining Company submitted evidence of a lack of hydraulic connection between the wells and Marshall Creek and provided additional evidence that there is no reasonable potential for Marshall Creek water quality to affect the quality of groundwater in the Sargents area. Uranium concentrations in the Sargents wells are significantly lower than concentrations in Marshall Creek, and well below the water supply standard.
Indian Creek Segment 20 was previously assigned a narrative LPL standard for uranium (2013). The Homestake Mining Company is currently evaluating methodologies to control uranium loading to Indian Creek from the old Pinnacle underground mine workings to define the LPL standard. Given that Marshall Creek is heavily impacted by uranium loading from the Chester Fault and past mining activity in the Indian Creek drainage, the Commission has determined that it is appropriate to assign an LPL uranium standard to Marshall Creek.

# COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

# WATER QUALITY CONTROL COMMISSION

**5 CCR 1002-35**

**REGULATION NO. 35**
**CLASSIFICATIONS AND NUMERIC STANDARDS**
**FOR**
**GUNNISON AND LOWER DOLORES RIVER BASINS**

## APPENDIX 35-1
## Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2017~~12/31/2017

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

21. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.

| COGUUG21 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation U |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | ~~---~~LPL | ~~---~~LPL |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.

# EXHIBIT 6
# OURAY SILVER MINES, INC.

**DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Water Quality Control Commission**

**REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS**

**5 CCR 1002-35**

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**35.45 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 7, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE**

The Commission adopted a temporary modification on segment COGUUN09 (Segment 9); changing the cadmium water quality standards to reflect those most recently promulgated by the EPA (April 2016). The new cadmium standard was released just as Regulation 31 was completing its triennial review process with the Commission, and therefore is not a part of the Basic Standards (Regulation 31). The new EPA cadmium standards are:

Cadmium (acute) = $(1.136672 - [(\ln \text{hardness}) \times (0.041838)]) \times e^{(0.9789 \times \ln(\text{hardness}) - 3.866)}$

Cadmium (chronic) = $1.101672 - [(\ln \text{hardness}) \times (0.041838)] \times e^{(0.7977 \times \ln(\text{hardness}) - 3.909)}$

Segment 9 is currently 303(d) listed for cadmium and zinc. The area is naturally mineralized with historic (pre-law) mining as well as current mining operations. A review indicated that stakeholders from multiple agencies are actively involved in multiparty remediation efforts with substantial financial ramifications. A review of cadmium concentrations along Segment 9 revealed drastically improved attainment under the new EPA standard. Given the natural enrichment in cadmium, current mine remediation efforts, and attainment sensitivity to the new EPA standard a temporary modification of the cadmium standard was granted. The temporary modification of the cadmium standard expires on December 31, 2021 or upon evaluation of the standard during the next triennial review of the Basic Standards Regulation 31, currently scheduled for June of 2021.

# COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

# WATER QUALITY CONTROL COMMISSION

**5 CCR 1002-35**

**REGULATION NO. 35**
**CLASSIFICATIONS AND NUMERIC STANDARDS**
**FOR**
**GUNNISON AND LOWER DOLORES RIVER BASINS**

## APPENDIX 35-1
## Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2017~~12/30/2017

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
# UNCOMPAHGRE RIVER BASIN

9 Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek. Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek. Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffles Creek to the confluence with the Uncompahgre River.

| COGUUN09 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 2 |
| | Recreation P |

**Qualifiers:**

**Fish Ingestion**

**Other:**

**Temporary Modification(s):**

**Cadmium (acute) = (1.136672 - [(ln hardness) x (0.041838)]) x $e^{(0.9789 \times \ln(\text{hardness}) - 3.866)}$**

**Cadmium (chronic) = 1.101672 - [(ln hardness) x (0.041838)] x $e^{(0.7977 \times \ln(\text{hardness}) - 3.909)}$**

**Expiration Date of 12/31/2021**

**Physical and Biological**

| | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 205 |

**Inorganic (mg/L)**

| | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | --- |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 100 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | --- |
| Sulfide | --- | 0.002 |

**Metals (ug/L)**

| | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 7.6(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | TVS | TVS |
| Chromium III | --- | 100(T) |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| 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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.

# EXHIBIT 7
# MOUNT EMMONS MINING COMPANY

**DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT**

**Water Quality Control Commission**

**REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS**

**5 CCR 1002-35**

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**35.45 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; JUNE 12, 2017 RULEMAKING; FINAL ACTION AUGUST 7, 2017; EFFECTIVE DATE DECEMBER 30, 2017**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

**BASIS AND PURPOSE**

Coal Creek, Upper Gunnison Segments 11 and 12: The Commission adopted changes in this hearing to the Segment 11 and Segment 12 boundary, adopted seasonal table value standards in Segment 12, deleted the temporary modifications for Cd, Cu and Zn that were adopted in 2012 and adopted revised seasonal temporary modifications in Segment 12.

BACKGROUND

The Commission adopted temporary modifications of Cd=2.4 ug/L, Cu=current condition and Zn=440 ug/L in 2012 with the expectation that U.S. Energy Corp. would develop a sampling plan to determine the natural and irreversible man-induced sources of Cd, Cu and Zn in Segment 12. This plan was developed and resulted in a final report issued in May 2016, which identified various human-caused and natural loading sources in Segments 11 and 12 of Coal Creek.

Mount Emmons Mining Company (MEMC) acquired the U.S. Energy property in early 2016 with the intent, among other things, to work collaboratively with the Division and other stakeholders to develop site specific water quality standards for Coal Creek. MEMC prepared several proposals and met with the Division and interested parties a number of times in 2016 and 2017.

After the Commission adopted new requirements in Regulation 31.7(1)(b)(ii) in the June 2016 Basic Standards hearing, it became clear that more information would be available in the future to develop and support proposals for ambient-based water quality standards, more specifically to satisfy the new requirements of a comprehensive analysis described in Regulation 31.7(b)(ii)(B). Consequently, MEMC refocused its efforts and proposed to: 1) Redefine the Segment 11/12 boundary; 2) Adopt seasonal water quality standards in Segment 12; 3) Delete the temporary modifications for Cd, Cu and Zn that were adopted in 2012; and 4) Adopt revised seasonal temporary modifications for Cd, Cu and Zn.

The Commission adopted the following:

Segmentation: The Commission revised the segment boundary between Segments 11 and 12 to more appropriately reflect the physical conditions, including hardness, in Segments 11 and 12.

Seasonal Standards: The Commission adopted two seasons for the determination of acute and chronic hardness based metals standards, April – June and July – March. Based on five years of data, mean hardness April – June = 47.7 mg/L and July – March = 128.2 mg/L. For example, inclusion of these seasonal hardness values in the hardness based equations may result in the following chronic standards: July – March, Cd=0.51 ug/L, Cu=11.1 ug/L and Zn=152 ug/L and April – June, Cd=0.24 ug/L, Cu=4.76 ug/L and Zn=62 ug/L.

Temporary Modifications: The Commission deleted the existing temporary modifications for Cd, Cu and Zn and adopted the following revised seasonal temporary modifications: April – June, ambient Cd(ac)= 3.5 ug/L, Cd(ch)=2.79 ug/L, ambient Zn(ch)=576 ug/L, Cu(ac/ch)=current condition, and July – March, Cd(ch)=current condition. The Commission determined that information submitted by MEMC showed demonstrated or predicted non-attainment of the seasonal water quality standards, demonstrated or predicted effluent limit compliance problems and significant uncertainty regarding the extent to which existing quality is the result of natural or irreversible human-induced conditions. Sources identified as contributing to the predicted non-attainment of the water quality standards include, but are not limited to, the iron fen and gossan which are natural sources in Segment 11 and the Standard Mine which is a Superfund Site in Segment 11.

The Commission adopted an expiration date of December 31, 2022 to allow for development of the comprehensive alternatives analysis. The Commission found that this amount of time is necessary to identify the improved water quality conditions that could result from feasible pollution control alternatives addressing human-induced sources including the Standard Mine, and to develop a proposal for ambient based water quality standards at the 2022 Gunnison River Basin hearing. In establishing these dates the Commission considered MEMC's:

- Plan to Eliminate Uncertainty
- Long term water quality monitoring plan
- Commitment to continued collaboration with the stakeholders
- Commitment to provide annual progress reports.

The Commission will review the temporary modifications at the December 2020 and 2021 temporary modification hearings.

# COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

# WATER QUALITY CONTROL COMMISSION

**5 CCR 1002-35**

**REGULATION NO. 35**
**CLASSIFICATIONS AND NUMERIC STANDARDS**
**FOR**
**GUNNISON AND LOWER DOLORES RIVER BASINS**

## APPENDIX 35-1
## Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2017~~12/31/2017

# REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
## Upper Gunnison River Basin

11. Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately ~~below the Crested Butte Water Supply intake~~ above the Keystone Mine discharge which is above the confluence with the Mount Emmons/Red Lady Basin drainage; and Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.

| COGUUG11 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | TVS(tr) | TVS |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | TVS | TVS |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | TVS |
| Manganese | --- | WS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 210(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | TVS |

12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately ~~below the Crested Butte Water Supply intake~~ above the Keystone Mine discharge which is above the confluence with the Mount Emmons/Red Lady Basin drainage to the confluence with the Slate River, with the exception of Wildcat Creek.

| COGUUG12 | Classifications |
|---|---|
| **Designation** | Agriculture |
| Reviewable | Aq Life Cold 1 |
| | Recreation E |
| | Water Supply |

**Qualifiers:**

**Other:**

Temporary Modification(s):

Arsenic(chronic) = hybrid

Expiration Date of 12/31/2021

Cadmium(acute) = 3.5 from 4/1-6/30
Cadmium(chronic) =
~~2.1~~current condition from 7/1-3/31
2.79 from 4/1-6/30
Copper(acute/chronic) = current conditions from 4/1 to 6/30
Zinc(chronic) = ~~440~~576 from 4/1 to 6/30

Expiration Date of 12/31/~~2017~~2022

*Cadmium(acute/chronic) =
7/1-3/31 – TVS calculated using seasonal mean hardness
4/1-6/30 – TVS calculated using seasonal mean hardness
*Copper(acute/chronic) =
7/1-3/31 – TVS calculated using seasonal mean hardness
4/1-6/30 – TVS calculated using seasonal mean hardness
*Zinc(chronic) =
7/1-3/31 – TVS calculated using seasonal mean hardness
4/1-6/30 – TVS calculated using seasonal mean hardness

| Physical and Biological | DM | MWAT |
|---|---|---|
| Temperature °C | CS-I | CS-I |
| | **acute** | **chronic** |
| D.O. (mg/L) | --- | 6.0 |
| D.O. (spawning) | --- | 7.0 |
| pH | 6.5 - 9.0 | --- |
| chlorophyll a (mg/m$^2$) | --- | --- |
| E. Coli (per 100 mL) | --- | 126 |

| Inorganic (mg/L) | acute | chronic |
|---|---|---|
| Ammonia | TVS | TVS |
| Boron | --- | 0.75 |
| Chloride | --- | 250 |
| Chlorine | 0.019 | 0.011 |
| Cyanide | 0.005 | --- |
| Nitrate | 10 | --- |
| Nitrite | --- | 0.05 |
| Phosphorus | --- | --- |
| Sulfate | --- | WS |
| Sulfide | --- | 0.002 |

| Metals (ug/L) | acute | chronic |
|---|---|---|
| Aluminum | --- | --- |
| Arsenic | 340 | 0.02(T) |
| Beryllium | --- | --- |
| Cadmium | ~~TVS(tr)~~varies* | ~~TVS~~varies* |
| Chromium III | 50(T) | TVS |
| Chromium VI | TVS | TVS |
| Copper | ~~TVS~~varies* | ~~TVS~~varies* |
| Iron | --- | WS |
| Iron | --- | 1000(T) |
| Lead | TVS | TVS |
| Manganese | TVS | 191 |
| Manganese | --- | TVS |
| Mercury | --- | 0.01(t) |
| Molybdenum | --- | 160(T) |
| Nickel | TVS | TVS |
| Selenium | TVS | TVS |
| Silver | TVS | TVS(tr) |
| Uranium | --- | --- |
| Zinc | TVS | ~~TVS~~varies* |

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 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature 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.