COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL COMMISSION

5 CCR 1002-38

REGULATION NO. 38
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN
REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN

APPENDIX 38-1
Stream Classifications and Water Quality Standards Tables

Effective 9/30/2022

Abbreviations and Acronyms

Aq °C Aquatic

= degrees Celsius

CL = cold lake temperature tier CLL cold large lake temperature tier CS-I = cold stream temperature tier one CS-II cold stream temperature tier two =

D.O. dissolved oxygen

daily maximum temperature DM DUWS = direct use water supply

E. coli = Escherichia coli EQ existing quality milligrams per liter mg/L

 $mg/m^2 =$ milligrams per square meter

mĹ milliliter

MWAT = maximum weekly average temperature

OW outstanding waters SSE = site-specific equation Т = total recoverable

= t total trout = tr

TVS table value standard = μg/L micrograms per liter ÜP = use-protected WS = water supply

warm stream temperature tier one WS-I = WS-II = warm stream temperature tier two WS-III = warm stream temperature tier three

WL warm lake temperature tier

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper South Platte River Basin

| 15. Mainstem | of the South Platte River from the Burli | ington Ditch diversion in Denver, Colo | rado, to a poi | nt immediate | ly below the confluence with | Big Dry Creek. | |
|--|--|--|----------------|--------------|------------------------------|----------------|---------|
| COSPUS15 | Classifications | Physical and Biolo | gical | | М | etals (ug/L) | |
| Designation | Agriculture | | DM | MWAT | | acute | chronic |
| UP | Aq Life Warm 1 | Temperature °C | WS-I | WS-I | Arsenic | 340 | |
| | Recreation E | | acute | chronic | Arsenic(T) | | 0.02 |
| | Water Supply | D.O. (mg/L) | varies* | varies* | Cadmium | TVS | TVS |
| Qualifiers: | | рН | 6.0-9.0* | | Cadmium(T) | 5.0 | |
| Other: | | pН | 6.5 - 9.0 | | Chromium III | | TVS |
| Temporary M | odification(s): | chlorophyll a (mg/m²) | | | Chromium III(T) | 50 | |
| Arsenic(chroni | () | E. coli (per 100 mL) | | 126 | Chromium VI | TVS | TVS |
| Expiration Dat | e of 12/31/2024 | | | | Copper | | TVS* |
| Discharger Sp | ecific Variance(s): | Inorganic (m | g/L) | | Copper | TVS* | |
| Selenium(acut | te) = TVS: no limit | | acute | chronic | Iron | | WS |
| Selenium(chro | onic) = TVS: 24 μg/L | Ammonia | TVS* | TVS* | Iron(T) | | 1000 |
| Expiration Dat | e of 12/31/2023 | Boron | | 0.75 | Lead | TVS | TVS |
| | ute) = See section 38.6(4) for site- | Chloride | | 250 | Lead(T) | 50 | |
| specific standa *Ammonia(chr | ards. onic) = See section 38.6(4) for site- | Chlorine | 0.019 | 0.011 | Manganese | TVS | TVS/400 |
| specific standa | ards. | Cyanide | 0.005 | | Mercury(T) | | 0.01 |
| Cu FMB(ac)=2 | | Nitrate | 10 | | Molybdenum(T) | | 150 |
| | of the Metro Hite WWTF outfall. nic) = Copper BLM-based FMB | Nitrite | 1.0 | | Nickel | TVS | TVS |
| Cu FMB(ch)= | 18 [°] .0 ug/l | Phosphorus | | | Nickel(T) | | 100 |
| | of the Metro Hite WWTF outfall. se) = See 38.5(3) for details. | Sulfate | | WS | Selenium | TVS | TVS |
| , | onic) = See 38.5(3) for details. | Sulfide | | 0.002 | Silver | TVS | TVS |
| • | acute) = See section 38.6(4) for site- | | | | Uranium | varies* | varies* |
| specific standa *pH(acute) = 6 miles | chronic) = See section 38.6(4) for site- | | | | Zinc | TVS | TVS |

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper South Platte River Basin

| 10f Da ! -! | Tributom from the 4- 4 5 | opper South | | voi Buo | | | |
|--------------------------------|---|------------------------------------|-------------|------------|-----------------|---------------|----------|
| | Tributary from the source to the Denve Classifications | Physical and B | | | | Metals (ug/L) | |
| Designation | | Filysical allu b | DM | MWAT | | acute | chronic |
| UP | Ag Life Warm 2 | Temperature °C | WS-III | WS-III | Arsenic | 340 | CITIOTIC |
| O1 | Recreation E | Temperature 0 | acute | chronic | Arsenic(T) | | 100 |
| Qualifiers: | <u> </u> | D.O. (mg/L) | | narrative* | Cadmium | TVS | TVS |
| | | pH | 6.5 - 9.0 | | Chromium III | TVS | TVS |
| Other: | | chlorophyll a (mg/m²) | | 150* | Chromium III(T) | | 100 |
| | (mg/m²)(chronic) = applies only above | E. coli (per 100 mL) | | 126 | Chromium VI | TVS | TVS |
| | sted at 38.5(4). chronic) = applies only above the | , | | 120 | | | |
| facilities listed | | Inorganio | • • • | | Copper | TVS | TVS |
| *Uranium(acu | te) = See 38.5(3) for details. | | acute | chronic | Iron(T) | T\ /0 | 1000 |
| , | onic) = See 38.5(3) for details. | Ammonia | TVS | TVS | Lead | TVS | TVS |
| | chronic) = When water is present, D.O. s shall be maintained at levels that | Boron | | 0.75 | Manganese | TVS | TVS |
| protect classif | ied uses. | Chloride | | | Mercury(T) | | 0.01 |
| | | Chlorine | 0.019 | 0.011 | Molybdenum(T) | | 150 |
| | | Cyanide | 0.005 | | Nickel | TVS | TVS |
| | | Nitrate | 100 | | Selenium | TVS | TVS |
| | | Nitrite | | 0.5 | Silver | TVS | TVS |
| | | Phosphorus | | 0.17* | Uranium | varies* | varies* |
| | | Sulfate | | | Zinc | TVS | TVS |
| | | Sulfide | | 0.002 | | | |
| 16g. Marcy Gu | ulch, including all wetlands from the sou | irce to the confluence with the So | uth Platte. | | • | | |
| COSPUS16G | Classifications | Physical and B | iological | | ľ | Metals (ug/L) | |
| Designation | Agriculture | | DM | MWAT | | acute | chronic |
| UP | Aq Life Warm 2 | Temperature °C | WS-II | WS-II | Arsenic | 340 | |
| | Recreation E | | acute | chronic | Arsenic(T) | | 100 |
| Qualifiers: | | D.O. (mg/L) | | 5.0 | Cadmium | TVS | TVS |
| Other: | | рН | 6.5 - 9.0 | | Chromium III | TVS | TVS |
| Temporary M | odification(s): | chlorophyll a (mg/m²) | | | Chromium III(T) | | 100 |
| | MWAT) = current 12/1 - 2/29 | E. coli (per 100 mL) | | 126 | Chromium VI | TVS | TVS |
| condition* Expiration Dat | te of 12/31/2025 | Inorganio | (mg/L) | | Copper | | TVS* |
| · | | | acute | chronic | Copper | TVS* | |
| Copper(acute Cu FMB(ac)=6 | e) = Copper BLM-based FMB 67.1 ug/l | Ammonia | TVS | TVS | Iron(T) | | 1000 |
| | ntennial WWTF. | Boron | | 0.75 | Lead | TVS | TVS |
| *Copper(chror Cu FMB(ch)=4 | nic) = Copper BLM-based FMB 43.3 ug/l | Chloride | | | Manganese | TVS | TVS |
| | ntennial WWTF. ute) = See section 38.6(4)(b) for | Chlorine | 0.019 | 0.011 | Mercury(T) | | 0.01 |
| assessment lo | ocations. | Cyanide | 0.005 | | Molybdenum(T) | | 150 |
| *Selenium(chr assessment lo | ronic) = See section 38.6(4)(b) for | Nitrate | 100 | | Nickel | TVS | TVS |
| | te) = See 38.5(3) for details. | Nitrite | | 0.5 | Selenium | 21* | 13* |
| , | onic) = See 38.5(3) for details. | Phosphorus | | | Silver | TVS | TVS |
| | emperature(12/1 - 2/29) = downstream | Sulfate | | | Uranium | varies* | varies* |
| or Centennial | WWTF. Adopted 6/8/2009 | Sulfide | | 0.002 | Zinc | TVS | TVS |
| | | Sumde | | 0.002 | 21110 | 1 43 | 1 4 3 |

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

| 0 411 4 11 4 1 | | | 0 10 | 01 0 1 | | . 7 . 10 | |
|--|--|---|--|---|---|---|---|
| 6. All tributarie | s to West Fork Clear Creek, including Classifications | all wetlands, from the source to the Physical and B | | Clear Creek | 1 | | |
| | Agriculture | Physical and B | DM | MWAT | ľ | Metals (ug/L) acute | chronic |
| Reviewable* | Ag Life Cold 1 | Tomporatura °C | CS-I | CS-I | Araonia | 340 | CHIOHIC |
| Neviewable | Recreation E | Temperature °C | acute | chronic | Arsenic Arsenic(T) | 340 | 0.02 |
| | Water Supply | D O (mg/l) | | 6.0 | . , | | TVS |
| Qualifiers: | | D.O. (mg/L) | | 7.0 | Cadmium (T) | TVS | |
| | | D.O. (spawning) | 6.5 - 9.0 | | Cadmium(T) | 5.0 | TVC |
| Other: | | pH chlorophyll a (mg/m²) | 0.5 - 9.0 | 150 | Chromium III | | TVS |
| Temporary M | • • | E. coli (per 100 mL) | | 126 | Chromium III(T) | 50 TV6 | T) (C |
| Arsenic(chroni | · - | E. Coli (per 100 IIIL) | | 120 | Chromium VI | TVS | TVS |
| Expiration Dat | e of 12/31/2024 | | , ,, | | Copper | TVS | TVS |
| *Designation: | 9/30/00 Baseline does not apply | Inorganic | • • • | | Iron | | WS |
| *Uranium(acut | te) = See 38.5(3) for details. | | acute | chronic | Iron(T) | | 1000 |
| *Uranium(chro | onic) = See 38.5(3) for details. | Ammonia | TVS | TVS | Lead | TVS | TVS |
| | | Boron | | 0.75 | Lead(T) | 50 | |
| | | Chloride | | 250 | Manganese | TVS | TVS/WS |
| | | Chlorine | 0.019 | 0.011 | Mercury(T) | | 0.01 |
| | | Cyanide | 0.005 | | Molybdenum(T) | | 150 |
| | | Nitrate | 10 | | Nickel | TVS | TVS |
| | | Nitrite | | 0.05 | Nickel(T) | | 100 |
| | | Phosphorus | | 0.11 | Selenium | TVS | TVS |
| | | Sulfate | | WS | Silver | TVS | TVS(tr) |
| | | Sulfide | | 0.002 | Uranium | varies* | varies* |
| | | | | | Zinc | TVS | TVS |
| | of Woods Creek from the outlet of Upp Classifications | Physical and B | | Clear Creek | | Metals (ug/L) | |
| | Aq Life Cold 2 | Filysical allu B | DM | MWAT | r | acute | chronic |
| UP | Recreation N | Temperature °C | CS-I | CS-I | Arsenic | 340 | 150 |
| Qualifiers: | Troored and Tr | Temperature C | acute | chronic | Cadmium | TVS | TVS |
| | | D.O. (mg/L) | | 6.0 | Chromium III | 1 7 3 | |
| Other: | | | | 0.0 | | TVC | TVC |
| Temporary M | | | | 7.0 | | TVS | TVS |
| | odification(s): | D.O. (spawning) | 65.00 | 7.0 | Chromium VI | TVS | TVS |
| condition | odification(s): IWAT) = current 10/1 - 11/30 | рН | 6.5 - 9.0 | | Chromium VI Copper | TVS TVS | TVS TVS |
| condition temperature(M | odification(s): 1WAT) = current 10/1 - 11/30 1WAT) = current 4/1 - 5/31 | pH chlorophyll a (mg/m²) | 6.5 - 9.0 | | Chromium VI Copper Iron(T) | TVS TVS | TVS TVS 1000 |
| condition temperature(N condition | 10/1 - 11/30 1WAT) = current 4/1 - 5/31 | рН | | | Chromium VI Copper Iron(T) Lead | TVS TVS TVS | TVS TVS 1000 TVS |
| condition temperature(M condition Expiration Dat | MWAT) = current 10/1 - 11/30 MWAT) = current 4/1 - 5/31 e of 12/31/2023 | pH chlorophyll a (mg/m²) E. coli (per 100 mL) | 6.5 - 9.0 | | Chromium VI Copper Iron(T) Lead Manganese | TVS TVS TVS TVS | TVS TVS 1000 TVS TVS |
| condition temperature(N condition Expiration Dat *Uranium(acut | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) | 6.5 - 9.0 (mg/L) | 630 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) | TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic | 6.5 - 9.0 (mg/L) acute | 630 chronic | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) | TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic | 6.5 - 9.0 (mg/L) acute TVS | 630 chronic | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel | TVS TVS TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 TVS |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron | 6.5 - 9.0 (mg/L) acute TVS | chronic TVS | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium | TVS TVS TVS TVS TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 TVS TVS |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride | 6.5 - 9.0 (mg/L) acute TVS | 630 chronic TVS | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver | TVS TVS TVS TVS TVS TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine | 6.5 - 9.0 (mg/L) acute TVS 0.019 | 630 chronic TVS 0.011 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | TVS Varies* | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS(tr) varies* |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide | 6.5 - 9.0 (mg/L) acute TVS | 630 chronic TVS | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver | TVS TVS TVS TVS TVS TVS TVS TVS TVS | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate | 6.5 - 9.0 (mg/L) acute TVS 0.019 | 630 chronic TVS 0.011 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | TVS Varies* | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS(tr) varies* |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite | 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 | 630 chronic TVS 0.011 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | TVS Varies* | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS(tr) varies* |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate | 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 | 630 chronic TVS 0.011 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | TVS Varies* | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS(tr) varies* |
| condition temperature(N condition Expiration Dat *Uranium(acut *Uranium(chro | AWAT) = current 10/1 - 11/30 AWAT) = current 4/1 - 5/31 e of 12/31/2023 e) = See 38.5(3) for details. enic) = See 38.5(3) for details. | pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite | 6.5 - 9.0 (mg/L) acute TVS 0.019 0.005 | 630 chronic TVS 0.011 0.05 | Chromium VI Copper Iron(T) Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | TVS Varies* | TVS TVS 1000 TVS TVS 0.01 TVS TVS TVS TVS TVS(tr) varies* |

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

| 75 | d D | | | | | | |
|---|---|---|---|--|---|------------------------|--------------|
| 7b. Lower Ura | Classifications | Physical and Biolo | aioal | | 1 | Metals (ug/L) | |
| | | Physical and Biolo | | BANA/A T | | | abrania |
| Designation UP | Aq Life Cold 2 Recreation N | T °O | DM | MWAT | A | acute | chronic |
| Qualifiers: | Recreation is | Temperature °C | CL | CL | Arsenic | 340 | 150 |
| Qualifiers: | | D.O. (m. m/l.) | acute | chronic | Cadmium | TVS | TVS |
| Other: | | D.O. (mg/L) | | 6.0 | Chromium III | TVS | TVS |
| Temporary Mo | | D.O. (spawning) | | 7.0 | Chromium VI | TVS | TVS |
| temperature(N condition | MWAT) = current 10/1 - 11/30 | | 6.5 - 9.0 | | Copper | TVS | TVS |
| temperature(N | MWAT) = current 4/1 - 5/31 | chlorophyll a (ug/L) | | | Iron(T) | | 1000 |
| condition | e of 12/31/2023 | E. coli (per 100 mL) | | 630 | Lead | TVS | TVS |
| Expiration Date | e or 12/31/2023 | | | | Manganese | TVS | TVS |
| • | te) = See 38.5(3) for details. | Inorganic (m | g/L) | | Mercury(T) | | 0.01 |
| *Uranium(chro | onic) = See 38.5(3) for details. | | acute | chronic | Molybdenum(T) | | |
| *TempMod: Te | emperature = Adopted 6/9/2015 | Ammonia | TVS | TVS | Nickel | TVS | TVS |
| | | Boron | | | Selenium | TVS | TVS |
| | | Chloride | | | Silver | TVS | TVS(tr) |
| | | Chlorine | 0.019 | 0.011 | Uranium | varies* | varies* |
| | | Cyanide | 0.005 | | Zinc | TVS | TVS |
| | | Nitrate | | | | | |
| | | Nitrite | | 0.05 | | | |
| | | Phosphorus | | | | | |
| | | Sulfate | | | | | |
| | | Sulfide | | 0.002 | | | |
| 8. Mainstem o | f Lion Creek from the source to the cor | fluence with West Fork Clear Creek. | | | | | |
| | | | | | | | |
| COSPCL08 | Classifications | Physical and Biolo | gical | | | Metals (ug/L) | |
| COSPCL08 Designation | Classifications Aq Life Cold 2 | Physical and Biolo | ogical DM | MWAT | | Metals (ug/L) acute | chronic |
| | | Physical and Biolo | | MWAT CS-I | Arsenic | - | chronic |
| Designation | Aq Life Cold 2 | - | DM | | | acute | |
| Designation UP | Aq Life Cold 2 | - | DM CS-I | CS-I | Arsenic | acute | |
| Designation UP Qualifiers: | Aq Life Cold 2 | Temperature °C | DM CS-I acute | CS-I chronic | Arsenic Cadmium | acute | |
| Designation UP Qualifiers: Other: | Aq Life Cold 2 | Temperature °C D.O. (mg/L) | DM CS-I acute | CS-I chronic 6.0 | Arsenic Cadmium Chromium III | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E | Temperature °C D.O. (mg/L) D.O. (spawning) | DM CS-I acute | CS-I chronic 6.0 7.0 | Arsenic Cadmium Chromium III Chromium VI | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 | Arsenic Cadmium Chromium III Chromium VI Copper | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 150 | Arsenic Cadmium Chromium III Chromium VI Copper Iron | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 150 | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 150 | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 150 126 | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) | DM CS-I acute 3.0-9.0 g/L) | CS-I chronic 6.0 7.0 150 126 | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver | acute | |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine Cyanide | DM | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | acute | varies* |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine Cyanide Nitrate | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | acute | varies* |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | acute | varies* |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus | DM CS-I acute 3.0-9.0 | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | acute | varies* |
| Designation UP Qualifiers: Other: *Uranium(acut | Aq Life Cold 2 Recreation E te) = See 38.5(3) for details. | Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic (m Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite | DM CS-I acute 3.0-9.0 g/L) acute | CS-I chronic 6.0 7.0 150 126 chronic | Arsenic Cadmium Chromium III Chromium VI Copper Iron Lead Manganese Mercury(T) Molybdenum(T) Nickel Selenium Silver Uranium | acute | varies* |

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS St. Vrain Creek Basin

| COSPSV06A | Classifications | Physical and | Biological | | N | letals (ug/L) | |
|----------------|--|-----------------------|------------|---------|-----------------|---------------|---------|
| Designation | Agriculture | | DM | MWAT | | acute | chronic |
| JP | Aq Life Warm 2 | Temperature °C | WS-II | WS-II | Arsenic | 340 | |
| | Recreation E | | acute | chronic | Arsenic(T) | | 100 |
| Qualifiers: | | D.O. (mg/L) | | 5.0 | Cadmium | TVS | TVS |
| Other: | | pH | 6.5 - 9.0 | | Chromium III | TVS | TVS |
| Temporary Mo | odification(s) | chlorophyll a (mg/m²) | | | Chromium III(T) | | 100 |
| | current condition* | E. coli (per 100 mL) | | 126 | Chromium VI | TVS | TVS |
| , , | e of 12/31/2023 | Inorgani | ic (mg/L) | | Copper | TVS | TVS |
| |) 0 00 5(0) (1 4 11 | | acute | chronic | Iron(T) | | 1000 |
| • | e) = See 38.5(3) for details. | Ammonia | TVS | TVS | Lead | TVS | TVS |
| • | nic) = See 38.5(3) for details. on = Adopted 12/12/2016 | Boron | | 0.75 | Manganese | TVS | TVS |
| rempiviou. ire | on - Adopted 12/12/2010 | Chloride | | | Mercury(T) | | 0.01 |
| | | Chlorine | 0.019 | 0.011 | Molybdenum(T) | | 150 |
| | | Cyanide | 0.005 | | Nickel | TVS | TVS |
| | | Nitrate | 100 | | Selenium | TVS | TVS |
| | | Nitrite | | 0.5 | Silver | TVS | TVS |
| | | Phosphorus | | | Uranium | varies* | varies* |
| | | Sulfate | | | Zinc | TVS | TVS |
| | | Sulfide | | 0.002 | | | |

and in Segments 4a, 4b, 4c and 5 and 6a.

| COSPSV06B | Classifications | Physical and | Biological | | | Metals (ug/L) | |
|-----------------|---------------------------------|-----------------------|------------|---------|-----------------|---------------|----------------------|
| Designation | Agriculture | | DM | MWAT | | acute | chronic |
| UP | Aq Life Warm 2 | Temperature °C | WS-II | WS-II | Arsenic | 340 | |
| | Water Supply | | acute | chronic | Arsenic(T) | | 0.02-10 ^A |
| | Recreation E | D.O. (mg/L) | | 5.0 | Cadmium | TVS | TVS |
| Qualifiers: | | pН | 6.5 - 9.0 | | Cadmium(T) | 5.0 | |
| Other: | | chlorophyll a (mg/m²) | | | Chromium III | | TVS |
| Temporary Mo | odification(s): | E. coli (per 100 mL) | | 126 | Chromium III(T) | 50 | |
| Arsenic(chroni | * * | Inorgani | ic (mg/L) | | Chromium VI | TVS | TVS |
| Expiration Date | e of 12/31/2024 | | acute | chronic | Copper | TVS | TVS |
| *I Iranium/acut | e) = See 38.5(3) for details. | Ammonia | TVS | TVS | Iron | | ws |
| , | nic) = See 38.5(3) for details. | Boron | | 0.75 | Iron(T) | | 1000 |
| Oraniani(onio | mio) – 000 00.0(0) for details. | Chloride | | 250 | Lead | TVS | TVS |
| | | Chlorine | 0.019 | 0.011 | Lead(T) | 50 | |
| | | Cyanide | 0.005 | | Manganese | TVS | TVS/WS |
| | | Nitrate | 10 | | Mercury(T) | | 0.01 |
| | | Nitrite | | 0.5 | Molybdenum(T) | | 150 |
| | | Phosphorus | | | Nickel | TVS | TVS |
| | | Sulfate | | WS | Nickel(T) | | 100 |
| | | Sulfide | | 0.002 | Selenium | TVS | TVS |
| | | | | | Silver | TVS | TVS |
| | | | | | Uranium | varies* | varies* |
| | | | | | Zinc | TVS | TVS |

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower South Platte River Basin

| OSPLS02 | Classifications | Physical and | Biological | | | Metals (ug/L) | |
|---|--|--|--|--|--|---|--|
| esignation | Agriculture | | DM | MWAT | | acute | chronic |
| IP | Aq Life Warm 1 | Temperature °C | WS-II | WS-II | Arsenic | 340 | |
| | Recreation E | · | acute | chronic | Arsenic(T) | | 0.02 |
| | Water Supply | D.O. (mg/L) | | 5.0 | Beryllium(T) | | 4.0 |
| ualifiers: | | pH | 6.5 - 9.0 | | Cadmium | TVS | TVS |
| Other: | | chlorophyll a (mg/m²) | | 150* | Cadmium(T) | 5.0 | |
| | A U.C A: (-) . | E. coli (per 100 mL) | | 126 | Chromium III | | TVS |
| emporary iv .rsenic(chron | Modification(s): | , , | ic (mg/L) | | Chromium III(T) | 50 | |
| ` | te of 12/31/2024 | morgani | acute | chronic | Chromium VI | TVS | TVS |
| • | | Ammonia | TVS | TVS | Copper | TVS | TVS |
| | pecific Variance(s): ch) = See Section 38.6(6) for | Boron | | 0.75 | Iron | | ws |
| | variance for the Town of Crook. | | | | | | 1000 |
| xpiration Da | te of 12/31/2025 | Chloride | | 250 | Iron(T) Lead | TVS | TVS |
| | (mg/m²)(chronic) = applies only above | | 0.019 | 0.011 | | | |
| | sted at 38.5(4). (chronic) = applies only above the | Cyanide | 0.005 | | Lead(T) | 50 T) (0 | T) (C/M/C |
| cilities listed | at 38.5(4). | Nitrate | 10 | | Manganese | TVS | TVS/WS |
| , | ite) = See 38.5(3) for details. | Nitrite | | 0.5 | Mercury(T) | | 0.01 |
| Jranium(chr | onic) = See 38.5(3) for details. | Phosphorus | | 0.17* | Molybdenum(T) | | 150 |
| | | Sulfate | | WS | Nickel | TVS | TVS |
| | | Sulfide | | 0.002 | Nickel(T) | | 100 |
| | | | | | Selenium | TVS | TVS |
| | | | | | Silver | TVS | TVS |
| | | | | | Uranium | varies* | varies* |
| | | | | | | | |
| | | | | | Zinc | TVS | TVS |
| | eservoir, Prewitt Reservoir, North Sterl | 1 | • | r, Vancil Res | l . | | TVS |
| OSPLS03 | Classifications | ing Reservoir, Jumbo (Julesburg) Physical and | Biological | · | l . | Metals (ug/L) | |
| OSPLS03 esignation | Classifications Agriculture | Physical and | Biological DM | MWAT | ervoir. | Metals (ug/L) | chronic |
| OSPLS03 esignation | Classifications Agriculture Aq Life Warm 1 | 1 | Biological DM varies* | MWAT varies* | ervoir. Arsenic | Metals (ug/L) acute 340 | chronic |
| OSPLS03 esignation | Classifications Agriculture Aq Life Warm 1 Recreation E | Physical and Temperature °C | Biological DM varies* acute | MWAT varies* chronic | Arsenic Arsenic(T) | Metals (ug/L) acute 340 | chronic 0.02 |
| OSPLS03 esignation | Classifications Agriculture Aq Life Warm 1 | Physical and Temperature °C D.O. (mg/L) | Biological DM varies* acute | MWAT varies* chronic 5.0 | Arsenic Arsenic(T) Cadmium | Metals (ug/L) acute 340 TVS | chronic 0.02 TVS |
| OSPLS03 esignation P ualifiers: | Classifications Agriculture Aq Life Warm 1 Recreation E | Physical and Temperature °C D.O. (mg/L) pH | Biological DM varies* acute | MWAT varies* chronic 5.0 | Arsenic Arsenic(T) Cadmium Cadmium(T) | Metals (ug/L) acute 340 | chronic 0.02 TVS |
| OSPLS03 esignation P | Classifications Agriculture Aq Life Warm 1 Recreation E | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) | Biological DM varies* acute | MWAT varies* chronic 5.0 20* | Arsenic Arsenic(T) Cadmium | Metals (ug/L) acute 340 TVS | chronic 0.02 TVS |
| ospls03 esignation p ualifiers: | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply | Physical and Temperature °C D.O. (mg/L) pH | DM varies* acute | MWAT varies* chronic 5.0 | Arsenic Arsenic(T) Cadmium Cadmium(T) | Metals (ug/L) acute 340 TVS 5.0 50 | chronic 0.02 TVS TVS |
| esignation P ualifiers: ther: chlorophyll a se facilities li | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) | Biological DM varies* acute 6.5 - 9.0 | MWAT varies* chronic 5.0 20* | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III | Metals (ug/L) acute 340 TVS 5.0 | chronic 0.02 TVS |
| esignation P ualifiers: ther: chlorophyll a e facilities lind reservoirs | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) | Biological DM varies* acute 6.5 - 9.0 | MWAT varies* chronic 5.0 20* | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) | Metals (ug/L) acute 340 TVS 5.0 50 | chronic 0.02 TVS TVS |
| esignation p ualifiers: ther: chlorophyll a e facilities lind reservoirs Phosphorus(cilities listed | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes a larger than 25 acres surface area. (chronic) = applies only above the at 38.5(4), applies only to lakes and | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) | Biological DM varies* acute 6.5 - 9.0 c (mg/L) | waries* chronic 5.0 20* 126 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI | Metals (ug/L) acute 340 TVS 5.0 50 TVS | chronic 0.02 TVS TVS TVS TVS |
| esignation P ualifiers: ther: chlorophyll a the facilities lither Phosphorus cilities listed eservoirs large | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the at 38.5(4), applies only to lakes and ger than 25 acres surface area. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute | MWAT varies* chronic 5.0 20* 126 chronic | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS | chronic 0.02 TVS TVS TVS VS WS |
| esignation P ualifiers: ther: chlorophyll a e facilities lind reservoirs Phosphorus (cilities listed servoirs larg Jranium(acu | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS | MWAT varies* chronic 5.0 20* 126 chronic TVS | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Chromium VI Copper | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS | Chronic 0.02 TVS TVS TVS WS 1000 |
| esignation P ualifiers: ther: chlorophyll a e facilities li d reservoirs cilities listed servoirs larg Jranium(acu Jranium(chro | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the at 38.5(4), applies only to lakes and ger than 25 acres surface area. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS | chronic 0.02 TVS TVS |
| ualifiers: ther: hlorophyll a e facilities lind reservoirs hosphorus (cilities listed servoirs larguranium (chrefemperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS | chronic 0.02 TVS TVS TVS TVS TVS TVS TVS TVS TVS |
| ualifiers: ther: thlorophyll a e facilities li thosphorus cilities listed servoirs larg Jranium(chr emperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 | Chronic 0.02 TVS |
| ualifiers: ther: thlorophyll a e facilities li thosphorus cilities listed servoirs larg Jranium(chr emperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS 50 TVS TVS TVS | chronic 0.02 TVS |
| ualifiers: ther: thlorophyll a e facilities li thosphorus cilities listed servoirs larg Jranium(chr emperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate | Biological DM varies* acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS | Chronic 0.02 TVS TVS TVS SUS 1000 TVS TVS/WS 0.01 150 |
| esignation P ualifiers: ther: chlorophyll a e facilities li d reservoirs cilities listed servoirs larg Jranium(acu Jranium(chro | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus | Biological DM varies* acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 0.5 0.083* | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS TVS | Chronic 0.02 TVS TVS TVS S 1000 TVS TVS/WS 0.01 150 TVS |
| ualifiers: ther: thlorophyll a e facilities li thosphorus cilities listed servoirs larg Jranium(chr emperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate | Biological DM varies* acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 0.5 0.083* WS | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS TVS 50 TVS TVS TVS | Chronic 0.02 TVS TVS TVS S 1000 TVS TVS/WS 0.01 150 TVS |
| ualifiers: ther: thlorophyll a e facilities li thosphorus cilities listed servoirs larg Jranium(chr emperature | Classifications Agriculture Aq Life Warm 1 Recreation E Water Supply (ug/L)(chronic) = applies only above sted at 38.5(4), applies only to lakes s larger than 25 acres surface area. (chronic) = applies only above the d at 38.5(4), applies only to lakes and ger than 25 acres surface area. (the) = See 38.5(3) for details. onic) = See 38.5(3) for details. | Physical and Temperature °C D.O. (mg/L) pH chlorophyll a (ug/L) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus | Biological DM varies* acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10 | MWAT varies* chronic 5.0 20* 126 chronic TVS 0.75 250 0.011 0.5 0.083* | Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium | Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS 50 TVS TVS TVS TVS | Chronic 0.02 TVS TVS TVS S 1000 TVS TVS/WS 0.01 150 TVS 1000 TVS |
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STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS - FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.