DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION #93 - COLORADO'S SECTION 303(D) LIST OF IMPAIRED WATERS AND MONITORING AND EVALUATION LIST

5 CCR 1002-93

93.1 Authority

These regulations are promulgated pursuant to section 25-8-101 et seq C.R.S. as amended, and in particular, 25-8-202 (1) (a), (b), (i), (2) and (6); 25-8-203 and 25-8-204.

93.2 Purpose

This regulation establishes Colorado's Lists of Impaired Waters. These waters include Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs"), Impaired Water Bodies with Approved TMDLs and 4b Plans, and Colorado's Monitoring and Evaluation List.

(1) The list of Water-Quality-Limited Segments Requiring TMDLs fulfills requirements of section 303(d) of the federal Clean Water Act which requires that states submit to the U.S. Environmental Protection Agency a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards. These segments are included in Section 93.3 with parameters included in the Clean Water Section 303(d) Impairment column.

(2) Colorado's Monitoring and Evaluation List identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more factors, such as the representative nature of the data. This Monitoring and Evaluation list is a state-only document that is not subject to EPA approval. These segments are included in Section 93.3 with parameters included in the Colorado's Monitoring and Evaluation column.

(3) The list of Water-Quality-Limited Segments Not Requiring a TMDL identifies segments where data is available that indicates that at least one classified use is not being supported, but a TMDL is not needed. These segments and parameters are included in Section 93.4.

93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

Only those segments where a Clean Water Section 303(d) Impairment has been determined require TMDLs. For these segments, TMDLs are only required for those parameters that are identified as impairments.

The table below includes several key data elements that warrant description. They are: Waterbody ID, Listed Portion/Assessment Unit ID (AUID), Impaired Use, Category/List, and Priority.

- Waterbody ID and Assessment Unit ID: For each impairment listed in the table, both a Waterbody ID (WBID) and an Assessment Unit ID (AUID) description are provided. The WBID ID describes the entire segment and is derived from basin regulations 32-38. The AUID, which includes an underscore and letter, describes the spatial extent of the impairment listings within the waterbody ID. The AUID is referred to as the "Listed Portion." In situations when the listed portion description matches the segment description, the entire segment is listed.

- Impaired Use: The Impaired Use refers to a designated use that is applied to the water body segment. Standards adopted to protect the referred impaired use are not in attainment.

- Category/List: These categories refer to the Environmental Protection Agency reporting categories associated with waterbody attainment status:

    - 1. Meets all designated uses,
    - 2. Meets some designated uses,
    - 3b. Insufficient data to make a determination (Monitoring and Evaluation List),
    - 4a. Impaired with an approved TMDL,
    - 4b. Impaired with an approved 4b plan,
    - 4c. Impaired due to pollution and
    - 5. Impaired without a TMDL completed.

- Priority: This is the Total Maximum Daily Load development priority. Priority options within Regulation #93 include:

    - H= High Priority
    - M= Medium Priority
    - L= Low Priority

93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

COARFO01a 1a. Mainstem of Fountain Creek, including all tributaries and wetlands, from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 1b.

Listed portion: **COARFO01a_B** Mainstem of Fountain Creek from source to above Monument Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Uranium (Total)	3b. - M&E list	NA
Water Supply Use	Cadmium (Total)	3b. - M&E list	NA
Water Supply Use	Lead (Total)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COARFO01b 1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.

Listed portion: **COARFO01b_A** Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COARFO02a 2a. Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.

Listed portion: **COARFO02a_A** Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Lead (Total)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

COARFO02b 2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.

Listed portion: **COARFO02b_A** Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Aquatic Life Use	Temperature	5. - 303(d)	M

COARFO03a 3a. All tributaries to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for the mainstem of Monument Creek in the Air Force Academy lands and specific listings in segment 3b.

Listed portion: **COARFO03a_B** West Monument Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COARFO03a_C** Tributaries and wetlands to Cheyenne Creek not within National Forest boundaries. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Rock Creek from the National Forest boundary to Highway 115. North Monument and Beaver creeks from the source to the confluence with Monument Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COARFO04a 4a. Mainstems of Jackson Creek, Monument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek and South Douglas Creek, from the sources to confluences with Monument Creek, including all tributaries and wetlands, which are not within the boundaries of the National Forest or Air Force Academy lands.

Listed portion: **COARFO04a_A** Mainstem of Jackson Creek, Monmument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek, and South Douglas Creek, from the sources to the confluences with Monument Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COARFO04b 4b. All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek and an unnamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).

Listed portion: **COARFO04b_A** All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a, and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek, and an unamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COARFO04c 4c. Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including tributaries and wetlands, from the sources to confluences with Monument Creek.

Listed portion: **COARFO04c_A** Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including all tributaries and wetlands, from the sources to the confluences with Monument Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COARFO04d 4d. All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.

Listed portion: **COARFO04d_A** All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a, and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524) to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COARFO04e 4e. All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) near Pueblo except for specific listings in 3a, 4d, 5a and 5b.

Listed portion: **COARFO04e_A** All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) except for Little Fountain Creek, Sand Creek(s) (near Wigwam and Colorado Springs), and specific listings in segments 5 and 6.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COARFO04e_B** Sand Creek (near Wigwam), including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COARFO04e_C** Sand Creek (near Colorado Springs), including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

Listed portion: **COARFO04e_E** Little Fountain Creek, including all tributaries and wetlands, from immediately below Deadman Canyon to the confluence with Fountain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

COARFO05a 5a. Jimmy Camp Creek, including all tributaries and wetlands from the source to Old Pueblo Road (38.673200, -104.696739). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek.

Listed portion: **COARFO05a_A** Jimmy Camp Creek, including all tributaries and wetlands from the source to the irrigation diversion east of Old Pueblo Road (38.694, -104.683). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COARFO05a_B** Jimmy Camp Creek, including all tributaries and wetlands from the irrigation diversion east of Old Pueblo Road (38.694, -104.683) to Old Pueblo Road (38.6732, -104.696739).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COARFO05b 5b. Jimmy Camp Creek from Old Pueblo Road (38.673200, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735) to the confluence with Fountain Creek.

Listed portion: **COARFO05b_A** Jimmy Camp Creek from Old Pueblo Road (38.6732, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COARFO06 6. Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Fountain Creek.

Listed portion: **COARFO06_B** Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Jackson Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Recreational Use	E. coli (May-Oct)	5. - 303(d)	H
Aquatic Life Use	Temperature	5. - 303(d)	M

Listed portion: **COARFO06_C** Mainstem of Monument Creek, from the confluence with Jackson Creek to the confluence with Fountain Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	M

COARLA01a 1a. Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.

Listed portion: **COARLA01a_A** Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

COARLA01b 1b. Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.

Listed portion: **COARLA01b_A** Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

COARLA01c 1c. Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.

Listed portion: **COARLA01c_A** Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Uranium (Total)	5. - 303(d)	H

COARLA02a 2a. All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 3a through 9b, and Middle Arkansas Basin listings.

Listed portion: **COARLA02a_B** All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a through 9b, and Middle Arkansas Basin listings.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	H
Water Supply Use	Sulfate	5. - 303(d)	H

COARLA03a 3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.

Listed portion: **COARLA03a_A** Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H

COARLA04a 4a. Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River. Mainstem of Timpas Creek from the source to the Arkansas River.

Listed portion: **COARLA04a_A** Mainstem of Timpas Creek from the source to the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COARLA04a_B** Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COARLA05b 5b.Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from a point immediately below the confluence with Guajatoyah Creek to the confluence with the Purgatoire River. Mainstem of the Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to the confluence with the North Fork of the Purgatoire River. Mainstem of the South Fork of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.

Listed portion: **COARLA05b_A** NF of the Purgatoire River, including all tributaries and wetlands, from Guajatoyah Ck to Purgatoire River. Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to NF of the Purgatoire River. SF of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COARLA05b_B** Long Canyon Creek from source to Trinidad Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COARLA06a 6a.All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.

Listed portion: **COARLA06a_B** Apache Canyon and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

Listed portion: **COARLA06a_C** Sarcillo Canyon and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COARLA06a_D** Reilly Canyon and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COARLA06a_E** Banarito Canyon

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

Listed portion: **COARLA06a_F** Bingham Canyon

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA

COARLA06b 6b.Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.

Listed portion: **COARLA06b_A** Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COARLA07 7. Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.

Listed portion: **COARLA07_A** Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COARLA09a 9a. Mainstems of Adobe, Buffalo, Cheyenne, Clay, Gageby, Horse, Two Butte, Wildhorse and Wolf Creeks from their sources to their confluences with the Arkansas River. Mainstems of Chacuacho Creek, San Francisco Creek, Trinchera Creek and Van Bremer Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Willow Creek from Highway 287 to the confluence with the Arkansas River. Mainstem of Big Sandy Creek from the source to the El Paso/Elbert county line. Mainstem of South Rush Creek from the source to the confluence with Rush Creek. Mainstem of Middle Rush Creek from the source to the confluence with North Rush Creek. North Rush Creek from the source to the confluence with South Rush Creek. Mainstem of Rush Creek to the Lincoln County Line. Mainstem of Antelope Creek from the source to the confluence with Rush Creek; the West May Valley drain from the Fort Lyon Canal to the confluence with the Arkansas River.

Listed portion: **COARLA09a_A** Mainstem (MS) of Buffalo, Cheyenne, Clay, Gageby, Two Butte, Wildhorse and Wolf Cks from sources to the Ark. R. MS of Chacuacho, San Francisco, Trinchera and Van Bremer Cks from sources to the Purgatoire R. MS of Willow Ck from HWY 287 to the confl. with the Ark. R. MS of Big Sandy Creek from source to the El Paso/Elbert cty line. MS of South Rush Ck from source to the confl. with Rush Ck. MS of Middle Rush Ck from source to the confl. with North Rush Ck. North Rush Ck from source to the confl. with South Rush Ck. MS of Rush Ck to the Lincoln cty Line. MS of Antelope Ck from source to the confluence with Rush Ck; the West May Valley drain from Fort Lyon Canal to the confl. with the Ark. R.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COARLA09a_B** Mainstem of Horse Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Water Supply Use	Uranium (Total)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COARLA09a_C** Mainstem of Adobe Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

COARLA09b 9b. Mainstem of Apache Creek from the source to the confluence with the North Rusk Creek. Mainstem of Breckenridge Creek from the source to the confluence with Horse Creek. Mainstem of Little Horse Creek from the source to the confluence with Horse Creek. Mainstem of Bob Creek from the source to Meredith Reservoir. Mainstem of Big Sandy Creek within Prowers County. Mainstem of Rule Creek from the Bent/Las Animas county line to John Martin Reservoir. Mainstem of Muddy Creek from the south boundary of the Setchfield State Wildlife Area to the confluence with Rule Creek. Mainstem of Caddoa Creek from CC Road to the confluence with the Arkansas River. Mainstem of Cat Creek from the source to the confluence with Clay Creek. Mainstem of Mustang Creek from the source to the confluence with Apishapa River. Mainstem of Chicosa Creek from the source to the Arkansas River. Mainstem of Smith Canyon from the Otero/Las Animas county line to the confluence with the Purgatoire River. Mainstem of Mud *

Listed portion: **COARLA09b_A** Mainstem (MS) of Apache Ck. MS of Breckenridge Ck. MS of Little Horse Ck. MS of Bob Ck. MS of Rule Ck from Bent/Las Animas County line. MS of Muddy Ck from south boundary of Setchfield SWA. MS of Caddoa Ck from CC Rd. MS of Cat Ck. MS of Mustang Ck from the source to the confl. with Apishapa R. MS of Chicosa Ck from source to the Ark. R. MS of Smith Canyon from Otero/Las Animas county line to the confl. with Purgatoire R. MS of Mud Ck from V Rd to the confl. with the Arkansas R. MS of Frijole Ck and Luning Arroyo from sources to confl. with Purgatoire R. MS of Blackwell Arroyo from source to the confl. with Luning Arroyo. MS of San Isidro Ck from source to the confl. with San Francisco Ck.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COARLA09b_B** Big Sandy Creek within Prowers County

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

COARLA10 10. Two Buttes Reservoir, Two Buttes Pond, Hasty Lake, Holbrook Reservoir, Burchfield Lake, Nee-Skah (Queens) Reservoir, Adobe Creek Reservoir, Neeso Pah Reservoir, Nee Noshe Reservoir; Nee Gronda Reservoir.

Listed portion: **COARLA10_B** Adobe Creek Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COARLA10_C** Nee Gronda Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COARLA11 11. John Martin Reservoir.

Listed portion: **COARLA11_A** John Martin Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARLA12 12. Lake Henry, Lake Meridith.

Listed portion: **COARLA12_A** Lake Meredith

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

Listed portion: **COARLA12_B** Lake Henry

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COARLA15 15. All lakes and reservoirs tributary to the mainstem of the North Fork of the Purgatoire River from the source to a point immediately below the confluence with Guajatoyah Creek. All lakes and reservoirs tributary to the Middle Fork of the Purgatoire River from the source to the USGS gage at Stonewall mainstem of the South Fork of the Purgatoire River, from the source to Tercio. Monument Lake, North Lake, Trinidad Lake, Long Canyon Reservoir and Lake Dorothey.

Listed portion: **COARLA15_B** Trinidad Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	H
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARMA02 2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.

Listed portion: **COARMA02_A** Mainstem of the Arkansas River from Blue Ribbon Creek to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

Listed portion: **COARMA02_B** Mainstem of the Arkansas River from Pueblo Reservoir to Blue Ribbon Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

COARMA03 3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.

Listed portion: **COARMA03_A** Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Recreational Use	E. coli	5. - 303(d)	H

COARMA04b 4b. Mainstem of Rock Creek, Salt Creek and Peck Creek from their sources to the confluence with the Arkansas River.

Listed portion: **COARMA04b_B** Mainstem of Salt Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COARMA04c 4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.

Listed portion: **COARMA04c_A** Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Ammonia	5. - 303(d)	H

COARMA04g 4g. Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.

Listed portion: **COARMA04g_A** Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COARMA06b 6b. Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.

Listed portion: **COARMA06b_A** Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COARMA07b 7b. Mainstem of Greenhorn Creek, including all tributaries and wetlands,from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.

Listed portion: **COARMA07b_A** Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARMA09 9. Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.

Listed portion: **COARMA09_A** Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COARMA10 10. Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.

Listed portion: **COARMA10_A** Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COARMA11b 11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.

Listed portion: **COARMA11b_A** Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	H

COARMA12 12. Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.

Listed portion: **COARMA12_A** Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COARMA13a 13a. All tributaries, including wetlands, to the Cucharas River within the San Isabel National Forest boundaries, except for the specific listings in segment 1. Mainstem of the Cucharas River, from the source to a point immediately above the confluence with Middle Creek, except for the specific listings in segment 1. Wahatoya Creek, including all tributaries and wetlands, from the source to the confluence with the Cucharas River, except for the specific listings in segment 1. All tributaries to Middle Creek, including wetlands, from the source to a point immediately below the confluence of North and South Middle Creeks.

Listed portion: **COARMA13a_B** Wahatoya Creek within the national forest boundry.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARMA13c 13c. All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.

Listed portion: **COARMA13c_A** All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	H
Water Supply Use	Sulfate	5. - 303(d)	H

COARMA14 14. Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.

Listed portion: **COARMA14_A** Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COARMA18a 18a Mainstem of Boggs Creek from the source to Pueblo Reservoir.

Listed portion: **COARMA18a_A** Mainstem of Boggs Creek from the source to Pueblo Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARMA26 26. Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake.

Listed portion: **COARMA26_B** Horseshoe Lake (lake Meriam)

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COARMA26_C** Martin Lake (Ohem Lake)

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Temperature	5. - 303(d)	L

COARUA02a 2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.

Listed portion: **COARUA02a_A** Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARUA02c 2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.

Listed portion: **COARUA02c_A** Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARUA04a 4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.

Listed portion: **COARUA04a_A** Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, (38.390243, -105.068648) due east of Florence.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COARUA04b 4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.

Listed portion: **COARUA04b_A** Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, (38.390243, -105.068648) due east of Florence, to the inlet of Pueblo Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COARUA05 5. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 6 through 12b.

Listed portion: **COARUA05a_B** Lake Fork below Sugarloaf Dam to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COARUA05a_C** Colorado Gulch and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COARUA07 7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.

Listed portion: **COARUA07_A** Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARUA10 10. Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.

Listed portion: **COARUA10_A** Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	H

COARUA12a 12a. Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.

Listed portion: **COARUA12a_A** Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

COARUA14c 14c. Mainstems of North and South Hardscrabble Creeks, including all tributaries and wetlands, from their sources to their confluences.

Listed portion: **COARUA14c_B** North Hardscrabble Creek and tributaries, from the source to the confluence.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA

COARUA14f 14f. Turkey Creek including all tributaries and wetlands from its source to immediately below the confluence with Little Turkey Creek at 38.594727, -104.851458.

Listed portion: **COARUA14f_B** Turkey Creek above the unnamed tributary that drains Mount Pittsburg (38.615, -104.903)

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA

COARUA15a 15a. Mainstem of Badger Creek from the source to the confluence with the Arkansas, including all tributaries and wetlands. Mainstem of Texas Creek from the forest service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on forest service land.

Listed portion: **COARUA15a_A** Mainstem of Badger from the source to the confluence with the Arkansas, includeing all tributaries ans wetlands, Mainstem of Texas Creek from the forest service boundry to the confluence with the Arkansas River, including all tributaries and wetlands which are not on the forest service land.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COARUA15b 15b. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).

Listed portion: **COARUA15b_A** Mainstem of Grape Creek, including all tributaries and wetlands, from the source to Antelope Creek, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COARUA15b_B** Grape Creek and its tributaries from Antelope Creek to Deweese Reservoir

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COARUA20b 20b. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.

Listed portion: **COARUA20b_A** Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

COARUA30 30. Turquoise Reservoir, Clear Creek Reservoir, Twin Lakes and Mt. Elbert Forebay.

Listed portion: **COARUA30_B** Twin Lake West

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COARUA35 35. DeWeese Reservoir.

Listed portion: **COARUA35_A** DeWeese Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Total Phosphorus	5. - 303(d)	H

COARUA38 38. All lakes and reservoirs tributary to the mainstem of East and West Beaver Creeks from the source to the confluence with Beaver Creek. This segment includes Skagway and Bison Reservoirs.

Listed portion: **COARUA38_B** Skagway Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COARUA40 40. Brush Hollow Reservoir.

Listed portion: **COARUA40_A** Brush Hollow Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

COARUA41 41. Teller Reservoir

Listed portion: **COARUA41_A** Teller Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	3b. - M&E list	NA

COGULD02 2. Mainstem of the Dolores River from the Highway 141 road crossing near Slick Rock to the Colorado/Utah border.

Listed portion: **COGULD02_B** Mainstem of Dolores River from Big Gypsum Creek to East Paradox Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Temperature (Provisional)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COGULD02_C** Mainstem of Dolores River from East Paradox Creek to the San Miguel River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Water Supply Use	Chloride	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Temperature (Provisional)	5. - 303(d)	H

Listed portion: **COGULD02_D** Mainstem of the Dolores River Above Big Gypsum Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COGULD02_E** Mainstem of Dolores River below the confluence with the San Miguel River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COGULD03a 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, 5, and 6.

Listed portion: **COGULD03a_B** Disappointment Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Nitrate	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA

COGULD04 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.

Listed portion: **COGULD04_B** Mainstem of West Paradox Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COGULD05 5. 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 and wetlands, from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

Listed portion: **COGULD05_B** Roc Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COGULD05_D** Mesa Creek and tributaries.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGULD05_E** Mainstem of West Creek from the source to the confluence with the Dolores River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COGULG02 2. Mainstem of the Gunnison River from Highway 65 (38.772574, -108.002634) to the confluence with the Colorado River.

Listed portion: **COGULG02_A** Mainstem of the Gunnison River from a point immediately above the confluence with the Uncompahgre River to the confluence with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

Listed portion: **COGULG02_B** Mainstem of the Gunnison River from Highway 65 to a point immediately above the confluence with the Uncompahgre River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	H
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

COGULG04a 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, 6a, 6b, 6c, 7, 8a, 8b, 10 and 12.

Listed portion: **COGULG04a_B** Callow Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

Listed portion: **COGULG04a_C** Cummings Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COGULG04a_D** Whitewater Creek from below Brandon Ditch to confluence with Gunnison River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

Listed portion: **COGULG04a_E** Wells Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **COGULG04a_F** Peach Valley Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA

COGULG04c 4c. Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.

Listed portion: **COGULG04c_A** Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COGULG07b 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 Ward Creek.

Listed portion: **COGULG07b_C** Mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Sulfate	5. - 303(d)	L

COGULG11b 11b. All tributaries to the Smith Fork, including all wetlands, which are within the West Elk Wilderness Area.

Listed portion: **COGULG11b_B** Lunch Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

COGULG12 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.

Listed portion: **COGULG12_B** Muddy Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGULG15 15. Island Lake, Eggleston Lake, and Trickle Park Reservoir (aka Park Reservoir).

Listed portion: **COGULG15_B** Eggleston Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COGULG16 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.

Listed portion: **COGULG16_B** Jatz Bottomlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

Listed portion: **COGULG16_C** Maggio Ponds

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	H

Listed portion: **COGULG16_D** Peters Ponds 1, 2, 3, and 4.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	H

COGUNF03 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.

Listed portion: **COGUNF03_B** Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the unnamed tributary east of Lazear Colorado.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COGUNF03_C** Mainstem of North Fork of the Gunnison River from the unnamed tributary east of Lazear Colorado to the confluence with the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

COGUNF04a 4a. Tributaries and wetlands to Muddy Creek within national forest boundaries. 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 Anthracite Creek to the confluence with the Gunnison River within national forest boundaries. This segment excludes the specific listings in Segments 1 and 4c.

Listed portion: **COGUNF04a_B** Ruby Anthracite Creek and its tributaries in the National forest except for the tributaries to Lake Irwin.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COGUNF04b 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.

Listed portion: **COGUNF04b_B** East Muddy Creek from Forest Boundary to Confluence with Muddy Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUNF04b_C** Mainstem of Muddy Creek to Anthracite Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUNF04c 4c. All tributaries to Lake Irwin from their sources to the inlet of Lake Irwin.

Listed portion: **COGUNF04c_A** All tributaries to Lake Irwin.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COGUNF06a 6a. All tributaries, including wetlands, to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite 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 6c.

Listed portion: **COGUNF06a_B** Unnamed tributary to North Fork Gunnison River near Hotchkiss

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

Listed portion: **COGUNF06a_C** Coal Gulch, Hawksnest Creek, and Gribble Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COGUNF06b 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.

Listed portion: **COGUNF06b_A** Mainstem and all tributaries to Bear, Reynolds, Bell, McDonald, Cow, Dever, German and Miller Creeks; and Love, Stevens, Big and Stingley Gulches that are not within national forest boundaries, from the source to the North Fork of the Gunnison River, excluding the specific listings in Segments 5a and 5b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COGUNF06b_B** Cottonwood Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COGUNF06b_C** Alum Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUNF07 7. Paonia Reservoir and Overland Reservoir.

Listed portion: **COGUNF07_B** Paonia Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

COGUSM02 2. All tributaries and wetlands, to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for specific listings in Segments 1, 6a, 6b, 7 and 8.

Listed portion: **COGUSM02_C** Cornet Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUSM02_D** Howard Fork above Swamp Canyon.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	H

Listed portion: **COGUSM02_E** Muddy Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

COGUSM03b 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.

Listed portion: **COGUSM03b_A** 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.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COGUSM06a 6a. Mainstem of Ingram Creek including, all tributaries and wetlands, from the source to the confluence with the San Miguel River.

Listed portion: **COGUSM06a_A** Mainstem of Ingram Creek including, all tributaries and wetlands, from the source to the confluence with the San Miguel River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	M

COGUSM06b 6b. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with the San Miguel River.

Listed portion: **COGUSM06b_A** Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with the San Miguel River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COGUSM07 7. Mainstem of Howard Fork and 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.

Listed portion: **COGUSM07_A** Mainstem of the Howard Fork, all tributaries and wetlands, from the Swamp Gulch to the South Fork of the San Miguel River, excluding the Chapman Creek and the Iron Bog Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **COGUSM07_B** Chapman Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **COGUSM07_C** Iron Bog Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COGUSM08 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.

Listed portion: **COGUSM08_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUSM10b 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.

Listed portion: **COGUSM10b_B** Mainstem of Naturita Creek from the national forest to the confluence with the San Miguel River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COGUSM12a 12a. All tributaries and wetlands to Naturita Creek. All tributaries and wetlands to the San Miguel River from a point immediately below the confluence with Leopard Creek to a point immediately above Horsefly Creek. This segment excludes the listings in Segments 9, 11a, 11b, 12b, and 12c.

Listed portion: **COGUSM12a_D** Specie Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUSM12a_E** McKenzie Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COGUSM12b 12b. All tributaries and wetlands to the San Miguel River from a point immediately above Horsefly Creek to the confluence with the Dolores River, excluding the listings in Segments 9, 11a, 12a, and 12c. Maverick Draw, including all tributaries and wetlands, from its source to the confluence with Naturita Creek.

Listed portion: **COGUSM12b_D** Mainstem of Maverick Draw

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COGUSM12b_F** Coal Canyon and its tributaries, except for the North and South tributaries in Second Park.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COGUSM12b_G** Tuttle Draw and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COGUSM12b_H** Dry Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

Listed portion: **COGUSM12b_I** Second Park Tributray South

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

COGUSM14 14. All lakes and reservoirs tributary to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, 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.

Listed portion: **COGUSM14_B** Applebaugh Pond

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA

COGUSM20 20. Trout Lake, Gurley Reservoir, Cone Reservoir, and Miramonte Reservoir.

Listed portion: **COGUSM20_B** Miramonte Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	H

COGUUG01 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.

Listed portion: **COGUUG01_B** Stewart Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG01_C** All tributaries to the Gunnison River, including wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas, excluding Stewart Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG02 2. All tributaries and wetlands from 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, Willow Creek, and Soap Creek and their tributaries.

Listed portion: **COGUUG02_D** Red Creek and East Elk Creek and their tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUG04 4. Mainstem of the Taylor River, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, except for specific listings in Segment 1.

Listed portion: **COGUUG04_B** Mainstem of Taylor River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COGUUG05a 5a. Mainstem of the East River, including all tributaries and wetlands, from its source to a point immediately above the confluence with the Slate River, except for specific listings in Segment 1.

Listed portion: **COGUUG05a_A** 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 Segments 1.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COGUUG07 7. Mainstem of the Slate River from its source to a point immediately above the confluence with Coal Creek.

Listed portion: **COGUUG07_A** Mainstem of the Slate River from its source to Oh-Be-Joyful Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG07_B** Mainstem of the Slate River from Oh-Be-Joyful Creek to a point immediately above the confluence with Coal Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

COGUUG08 8. Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.

Listed portion: **COGUUG08_A** Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COGUUG09 9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.

Listed portion: **COGUUG09_B** Mainstem of Coal Creek from source to Elk Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COGUUG09_C** Mainstem of Washington Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG09_D** All tributaries and wetlands to the Slate River, excluding Coal Creek(above Elk Creek) and Washington Gulch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Arsenic (Total)	5. - 303(d)	H

COGUUG10a 10a. Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with the Slate River.

Listed portion: **COGUUG10a_A** Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with the Slate River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COGUUG10b 10b. All tributaries, including wetlands, to Redwell Creek.

Listed portion: **COGUUG10b_A** All tributaries, including wetlands, to Redwell Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COGUUG11 11. Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately above the Keystone Mine discharge (38.867117, -107.023627). Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.

Listed portion: **COGUUG11_B** Elk Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG11_D** Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately above the Keystone discharge (38.867117, -107.023627) .

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COGUUG12 12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately above the Keystone Mine discharge (38.867117, -107.023627) to the confluence with the Slate River, with the exception of Wildcat Creek.

Listed portion: **COGUUG12_C** Mainstem of Coal Creek, from a point immediately below the Keystone discharge (38.867117, -107.023627) to the confluence with the Slate River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUG15a 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.

Listed portion: **COGUUG15a_B** Mainstem of South Beaver Creek from Saguache/Gunnison County Line to the confluence with the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUG16a 16a. Mainstem of Ohio Creek, from the source to a point immediately below 7 Road. All tributaries to Ohio Creek, except for specific listings in Segment 1.

Listed portion: **COGUUG16a_B** Mainstem of Ohio Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG16b 16b. Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.

Listed portion: **COGUUG16b_A** Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COGUUG17a 17a. West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.

Listed portion: **COGUUG17a_A** West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COGUUG17b 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.

Listed portion: **COGUUG17b_A** 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.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COGUUG18b 18b. Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.

Listed portion: **COGUUG18b_A** Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

COGUUG19 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, 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.

Listed portion: **COGUUG19_B** Mainstem of Razor Creek from source to confluence with Tomichi Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUG21 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.

Listed portion: **COGUUG21_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG23 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.

Listed portion: **COGUUG23_A** All tributaries and wetlands to mainstem Cochetopa Creek, from the sources to a point immediately below the confluence with West Pass Creek, excluding mainstem Cochetopa Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG23_B** Mainstem of Cochetopa Creek from Nutras Creek to West Pass Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG24 24. Mainstem of Cochetopa Creek from a point immediately below the confluence with West Pass Creek to the confluence with Tomichi Creek.

Listed portion: **COGUUG24_A** Mainstem of Cochetopa Creek from West Pass Creek to Forest Road 3076/Co. Rd 43

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG24_B** Mainstem of Cochetopa Creek, from Forest Road 3076/Co. Rd 43 to the confluence with Tomichi Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG26 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, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.

Listed portion: **COGUUG26_B** Blue Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG26_C** Mainstem of Crystal Creek from source to confluence with the Gunnison River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COGUUG26_D** Willow Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUG26_E** 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, except for (specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32) and the portions of Blue, Willow and Crystal Creeks.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG29a 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. 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.

Listed portion: **COGUUG29a_B** Deadman Creek/Gulch and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

Listed portion: **COGUUG29a_C** Lake Fork of the Gunnison River between Cooper and Silver Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COGUUG29a_D** Lake Fork of the Gunnison above Cooper Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **COGUUG29a_I** Lake Fork of the Gunnison between Silver Creek and Cottonwood Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COGUUG29b 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.

Listed portion: **COGUUG29b_C** 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 and Powderhorn Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUG30 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.

Listed portion: **COGUUG30_B** Mainstem of Henson Creek from the source to the confluence with the Lake Fork of the Gunnison.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COGUUG30_C** All tributaries and wetlands of Henson Creek, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listing in Segments 31 and 32.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COGUUG31 31. Mainstem of Palmetto Gulch Creek including all tributaries.

Listed portion: **COGUUG31_A** Mainstem of Palmetto Gulch Creek including all tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUG32 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.

Listed portion: **COGUUG32_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUN02 2. Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.

Listed portion: **COGUUN02_A** Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	H

COGUUN03a 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.

Listed portion: **COGUUN03a_A** 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.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	H

COGUUN03b 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.

Listed portion: **COGUUN03b_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUN03c 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.

Listed portion: **COGUUN03c_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUN03e 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.

Listed portion: **COGUUN03e_B** Mainstem of the Uncompahgre River from the outlet of Ridgway Reservoir to a point immediately above the confluence with Broman Canyon.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COGUUN03e_C** Mainstem of the Uncompahgre River from the confluence with Broman Canyon to a point immediately above the outlet of the South Canal near Uncompahgre.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COGUUN04a 4a. Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Gunnison Road.

Listed portion: **COGUUN04a_B** Mainstem of the Uncompahgre River from Cedar Creek to Gunnison Road.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Sediment	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COGUUN04a_C** Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Cedar Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

COGUUN04b 4b. Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.

Listed portion: **COGUUN04b_A** Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COGUUN04c 4c. Mainstem of the Uncompahgre River from the upstream boundary of Confluence Park to the confluence with the Gunnison River.

Listed portion: **COGUUN04c_A** Mainstem of the Uncompahgre River from the upstream boundary of Confluence Park to the confluence with the Gunnison River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

COGUUN05 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.

Listed portion: **COGUUN05_B** Commodore Gulch and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

Listed portion: **COGUUN05_C** Governor Basin

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M

Listed portion: **COGUUN05_D** Silver Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA

Listed portion: **COGUUN05_E** Sneffels Creek below Governor Basin

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M

COGUUN06a 6a. Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.

Listed portion: **COGUUN06a_A** Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COGUUN07 7. Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.

Listed portion: **COGUUN07_A** Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	M
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COGUUN08 8. Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.

Listed portion: **COGUUN08_A** Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M

COGUUN09 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 Sneffels Creek to the confluence with the Uncompahgre River.

Listed portion: **COGUUN09_B** 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.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

Listed portion: **COGUUN09_C** Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffels Creek to the confluence with the Uncompahgre River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

Listed portion: **COGUUN09_D** Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

COGUUN10a 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.

Listed portion: **COGUUN10a_B** Alkali Creek and all tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

Listed portion: **COGUUN10a_C** Mainstem of Cow Creek from the confluence of Nate Creek to the Uncompahgre River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUN11 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 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.

Listed portion: **COGUUN11_C** Deer Creek from source to Cow Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUN11_E** Mainstem of Cow Creek From the wilderness to the confluence with Nate Creek and all tributaries of Cow Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUN11_G** Mainstem of Dallas Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUN11_H** Mainstem of Billy Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUN11_I** Mainstems of Coal, Pleasant Valley, and Beaton Creeks.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COGUUN11_J** Onion Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COGUUN12 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.

Listed portion: **COGUUN12_C** Mainstem of Dry Creek From Coalbank Canyon Creek to Uncompahgre River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COGUUN12_D** Loutzenhizer Arroyo and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COGUUN15b 15b. Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.

Listed portion: **COGUUN15b_A** Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

COGUUN19 19. Ridgway Reservoir.

Listed portion: **COGUUN19_A** Ridgway Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

COGUUN20 20. Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).

Listed portion: **COGUUN20_A** Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

COLCLC01 1. Mainstem of the Colorado River from the confluence with the Roaring Fork River to immediately below the confluence with Rifle Creek.

Listed portion: **COLCLC01_A** Colorado River from Paradise Creek to below the confluence with Rifle Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COLCLC01_B** Colorado River from Roaring Fork to Paradise Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Water Supply Use	Chloride	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC02a 2a. Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.

Listed portion: **COLCLC02a_A** Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC02b 2b. Mainstem of the Colorado River from a point immediately above the confluence with Rapid Creek to immediately above the confluence of the Gunnison River.

Listed portion: **COLCLC02b_A** Mainstem of the Colorado River from Rapid Creek to Gunnison River except for the Humphrey Backwater area

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

Listed portion: **COLCLC02b_B** Humphrey Backwater area

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Nitrite	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

COLCLC03 3. Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.

Listed portion: **COLCLC03_A** Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COLCLC04a 4a. All tributaries, including wetlands, to the Colorado River from the confluence with the Roaring Fork River to a point immediately below the confluence with Parachute Creek except for the specific listings in Segments 4b, 4c, 4d, 4e, 5, 6, 7a, 7b, 8, 9a, 9c, 10, 11a - h, and 12a.

Listed portion: **COLCLC04a_A** Tributaries to Colorado River, Roaring Fork to Parachute Creek, except for Mamm Creek and Alkali Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COLCLC04a_B** Mamm Creek and its East, Middle, and West Mamm Creek tributaries from the sources to the confluence with the Colorado River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Agricultural Use	Selenium (Total)	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

Listed portion: **COLCLC04a_C** Alkali Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COLCLC04a_D** South Canyon Creek sections above hot springs

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COLCLC04b 4b. South Canyon Hot Springs.

Listed portion: **COLCLC04b_A** South Canyon Hot Springs. (39.552964, -107.414232)

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA

COLCLC04c 4c. The mainstem of South Canyon Creek from the South Canyon Hot Springs to the confluence with the Colorado River.

Listed portion: **COLCLC04c_A** South Canyon Creek from South Canyon Hot Springs to Colorado River

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC04e 4e. Mainstem of Dry Creek including all tributaries and wetlands from the source to immediately above the Last Chance Ditch.

Listed portion: **COLCLC04e_A** Mainstem of Dry Creek, including all tributaries and wetlands, from the source to immediately above the Last Chance Ditch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

COLCLC07a 7a. Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River. Battlement Creek from the most downstream boundary of BLM lands to the confluence with the Colorado River.

Listed portion: **COLCLC07a_C** Garfield Creek and its tributaries from the headwaters to the confluence with the Colorado River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

Listed portion: **COLCLC07a_D** Elk Creek and its tributaries from the White River National Forest boundary to the confluence with the Colorado River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Cadmium (Total)	5. - 303(d)	L

COLCLC07b 7b. Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.

Listed portion: **COLCLC07b_A** Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COLCLC10 10. West Rifle Creek, including all tributaries and wetlands, from the source to Rifle Gap Reservoir. East Rifle Creek, including all tributaries and wetlands, from the White River National Forest boundary to Rifle Gap Reservoir. Rifle Creek, including all tributaries and wetlands, from Rifle Gap Reservoir to the confluence with the Colorado River.

Listed portion: **COLCLC10_A** East Rifle Creek from the White River NF boundary to Rifle Gap Reservoir. Rifle Creek from Rifle Gap Reservoir to the Colorado River

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COLCLC10_B** West Rifle Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC11c 11c. Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence to the East and West Forks to the confluence with the Colorado River.

Listed portion: **COLCLC11c_B** Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence of the East and West Forks to the confluence with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COLCLC13a 13a. All tributaries to the Colorado River including wetlands, from a point immediately below the confluence of Roan Creek to the Colorado/Utah border except for the specific listings in Segments 13b through 19.

Listed portion: **COLCLC13a_B** Sulphur Gulch and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

COLCLC13b 13b. All tributaries to the Colorado River, including wetlands, from the Government Highline Canal Diversion to a point immediately below Salt Creek, and downgradient from the Government Highline Canal, the Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and the northeast Colorado National Monument boundary.

Listed portion: **COLCLC13b_A** All tributaries to the Colorado River from Government Highline Canal Diversion to below Salt Creek, and downgradient from Government Highline Canal, Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and northeast Colorado National Monument boundary, except Salt, Adobe, Leach Creeks, Indian Wash and Mack Wash.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COLCLC13b_B** Salt Creek and tributaries below lake and reservoir, including Mack Wash

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COLCLC13b_C** Adobe Creek, Leach Creek and tributaries below canal

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COLCLC13b_D** Indian Wash

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

COLCLC14b 14b. Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek.

Listed portion: **COLCLC14b_A** Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COLCLC14c 14c. Mainstem of Roan Creek including all tributaries and wetlands, from a point immediately below the confluence with Kimball Creek to the confluence with the Colorado River.

Listed portion: **COLCLC14c_B** North, South and mainstem of Dry Fork including tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

Listed portion: **COLCLC14c_C** Roan Creek and tributaries including Conn Cr, Logan Wash, Bloat Gulch and Gibler Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COLCLC15a 15a. Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.

Listed portion: **COLCLC15a_A** Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC15c 15c. Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.

Listed portion: **COLCLC15c_A** Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC15d 15d. Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.

Listed portion: **COLCLC15d_A** Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC16 16. Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding specific listings in segment 15.

Listed portion: **COLCLC16_A** Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding specific listings in segment 15.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COLCLC17a 17a. Mainstem of Rapid Creek, including all tributaries and wetlands, from its source to a point immediately below the confluence with Cottonwood Creek including Kruzen Springs.

Listed portion: **COLCLC17a_A** Rapid Creek, including all tributaries and wetlands, from its source to below the confluence with Cottonwood Creek (39.130512, -108.301028) including Kruzen Springs.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCLC19 19. All lakes and reservoirs tributary to the Colorado River from a point immediately below the confluence of the Colorado River and Parachute Creek to the Colorado-Utah border, except for specific listings in segments 9b, 13c, 20, and 21. This segment includes Highline Reservoir.

Listed portion: **COLCLC19_E** West Lake in James M. Robb Colorado River State Park

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

COLCLC20 20. Rifle Gap Reservoir, Harvey Gap Reservoir, and Vega Reservoir.

Listed portion: **COLCLC20_B** Rifle Gap Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COLCLC20_C** Harvey Gap Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COLCLC20_D** Vega Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COLCLY02 2. Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Green River.

Listed portion: **COLCLY02_C** Mainstem of the Yampa River from a point immediately below the confluence with Little Snake River to the confluence with the Green River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COLCLY03c 3c. Mainstem of Milk Creek, including all tributaries and wetlands, from Thornburgh (County Rd 15) to the confluence with the Yampa River except for the specific listings in Segment 3b and 3e.

Listed portion: **COLCLY03c_B** Wilson Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COLCLY03c_C** Stinking Gulch and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

COLCLY03e 3e. Mainstem of Good Spring Creek and its tributaries above Wilson Reservoir.

Listed portion: **COLCLY03e_A** Mainstem of Good Spring Creek and its tributaries above Wilson Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

COLCLY03i 3i. Lower Johnson Gulch from the confluence with Pyeatt Gulch at CO 107 to the confluence with the Yampa River.

Listed portion: **COLCLY03i_A** Lower Johnson Gulch from the confluence with Pyeatt Gulch at CO 107 to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

COLCLY05 5. Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.

Listed portion: **COLCLY05_A** Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COLCLY06 6. All tributaries to Fortification Creek, including all wetlands, from the confluence of the North and South Forks to the confluence with the Yampa River, except for the specific listings in Segments 4 and 7.

Listed portion: **COLCLY06_A** All tributaries to Fortification Creek, including all wetlands, from the confluence of the North and South Forks to the confluence with the Yampa River, except for listings in Segments 4 and 7.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA

COLCLY07 7. Mainstem of Little Bear Creek, including all tributaries and wetlands, from the source to the confluence with Dry Fork.

Listed portion: **COLCLY07_A** Mainstem of Little Bear Creek, including all tributaries and wetlands, from the source to the confluence with Dry Fork.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

COLCLY16 16. Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.

Listed portion: **COLCLY16_A** Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

COLCLY22c 22c. Mainstem of Vermillion Creek from HWY 318 to the confluence with the Green River.

Listed portion: **COLCLY22c_A** Mainstem of Vermillion Creek from HWY 318 to the confluence with the Green River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COLCWH03 3. Mainstem of the North Fork of the White River and mainstem of the White River from the Flat Tops Wilderness Area boundary to a point immediately above the confluence with Miller Creek.

Listed portion: **COLCWH03_A** Mainstem of the North Fork of the White River and mainstem of the White River from the Flat Tops Wilderness Area boundary to a point immediately above the confluence with Miller Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COLCWH04a 4a. All tributaries to the North Fork of the White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork of the White River except for the specific listings in Segment 1 and 4b.

Listed portion: **COLCWH04a_A** All tributaries to the North Fork White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork White River except for listings in Segment 1 and 4b.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCWH04b 4b. Mainstems of Lost Creek and Snell Creek, including all wetlands and tributaries, from the Flat Tops Wilderness area to the boundary of the White River National Forest.

Listed portion: **COLCWH04b_A** Mainstems of Lost Creek and Snell Creek, including all wetlands and tributaries, from the Flat Tops Wilderness area to the boundary of the White River National Forest.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COLCWH07 7. Mainstem of the White River from a point immediately above the confluence with Miller Creek to a point immediately above the confluence with Piceance Creek.

Listed portion: **COLCWH07_A** White River from above the confluence with Miller Creek to above a point below Meeker.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COLCWH07_B** White River below Meeker to the confluence with Piceance Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCWH09b 9b. All tributaries to the White River, including wetlands, from a point immediately above the confluence with Flag Creek, to a point immediately above the confluence with Piceance Creek, which are not within the boundary of National Forest lands, except for the specific listings in segments 9c and 9d.

Listed portion: **COLCWH09b_A** Tributaries to the White River from above the confluence with Flag Creek, to above the confluence with Piceance Creek, which are not within the boundary of National Forest lands, except for listings in segment 9c and 9d.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA

COLCWH09d 9d. Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River.

Listed portion: **COLCWH09d_A** Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COLCWH11 11. Rio Blanco Lake and Taylor Draw Reservoir (a.k.a. Kenney Reservoir).

Listed portion: **COLCWH11_A** Taylor Draw Reservoir (a.k.a. Kenney Reservoir)

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COLCWH11_B** Rio Blanco Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COLCWH12 12. Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.

Listed portion: **COLCWH12_A** Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCWH13b 13b. Mainstem of Yellow Creek including all wetlands from the source to immediately below the confluence with Barcus Creek. All tributaries to Yellow Creek from the source to the White River, including wetlands.

Listed portion: **COLCWH13b_A** Yellow Creek from source to below the confluence with Barcus Creek. Tributaries to Yellow Creek from the source to the White River, except for Corral Gulch and tributaries, Stake Springs Draw and tributaries above Stake Springs and Duck Creek and tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	M
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

Listed portion: **COLCWH13b_B** Corral Gulch and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Sediment	5. - 303(d)	M

Listed portion: **COLCWH13b_C** Stake Springs Draw and tributaries above Stake Springs

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Sediment	5. - 303(d)	M

Listed portion: **COLCWH13b_D** Duck Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Sediment	5. - 303(d)	M

COLCWH13c 13c. Mainstem of Yellow Creek, including all wetlands from immediately below the confluence with Barcus Creek to the confluence with the White River.

Listed portion: **COLCWH13c_A** Yellow Creek from immediately below the confluence with Barcus Creek to the confluence with Greasewood Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	L

Listed portion: **COLCWH13c_B** Yellow Creek below Greasewood Creek to the confluence with the White River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	M
Aquatic Life Use	Nitrite	5. - 303(d)	M

COLCWH14a 14a. Mainstem of Piceance Creek from the source to a point just below the confluence with Hunter Creek.

Listed portion: **COLCWH14a_A** Piceance Creek from the source to below confluence with Willow Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COLCWH14a_B** Piceance Creek from Willow Creek to Hunter Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COLCWH15 15. Mainstem of Piceance Creek from a point just below the confluence with Ryan Gulch to the confluence with the White River. The Dry Fork of Piceance Creek, including all tributaries and wetlands, from a point just below the confluence with Little Reigan Gulch to the confluence with Piceance Creek, except for the specific listings in Segment 18.

Listed portion: **COLCWH15_B** Mainstem of Piceance Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COLCWH15_C** Piceance Creek from 3 miles above the confluence with White River, to the confluence with White River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	M

COLCWH16b 16b. All tributaries to Piceance Creek, including all wetlands, from a point immediately below the confluence with Dry Thirteenmile Creek to the confluence with the White River, except for the specific listings in Segments 15, 17, 18, 19 and 20.

Listed portion: **COLCWH16b_B** Ryan Gulch and tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COLCWH20 20. Mainstems of Black Sulphur Creek including all tributaries and wetlands from the source to the confluence with Piceance Creek.

Listed portion: **COLCWH20_B** Mainstem of Black Sulphur Creek from source to Piceance Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COLCWH20_C** All Tributaries of Black Sulphur Creek from source to Piceance Creek, except for the listing in Segment 19.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCWH21 21. Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.

Listed portion: **COLCWH21_A** Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COLCWH22 22. All tributaries to the White River, including all wetlands, from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border, except for specific listing in Segment 23.

Listed portion: **COLCWH22_B** West Evacuation Wash with tributaries and Douglas Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	L

COLCWH23 23. Mainstems of East Douglas Creek and West Douglas Creek, including all tributaries and wetlands, from their sources to their confluence.

Listed portion: **COLCWH23_A** West Douglas Creek from its source to confluence

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COLCWH23_B** East Douglas creek from the point below Tommy's Draw a point above its confluence with Douglas Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Sediment	5. - 303(d)	H

Listed portion: **COLCWH23_C** Mainstem of East Douglas Creek and tributaries from the source to a point below Tommy's Draw

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COLCWH24 24. All lakes and reservoirs tributary to the White River, which are within the boundaries of the Flat Tops Wilderness Area, including Trappers Lake.

Listed portion: **COLCWH24_C** Ned Wilson Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COLCWH25 25. Lake Avery (a.k.a Big Beaver Reservoir).

Listed portion: **COLCWH25_A** Lake Avery (a.k.a Big Beaver Reservoir).

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Temperature	5. - 303(d)	H

CORGAL02 2. Mainstem of the Alamosa River, including all tributaries and wetlands, from the source to immediately above the confluence with Alum Creek, except for specific listings in segments 1, 4a, and 4b.

Listed portion: **CORGAL02_B** Mainstem of the Alamosa River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGAL02_C** all tributaries and wetlands of the Alamosa River, from the source to immediately above the confluence with Alum Creek, except for tributaries to lower Iron Creek and specific listings in segments 1, 4a, and 4b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGAL02_D** Tributaries to the Alamosa River from a point immediately below the confluence of Bitter Creek to the inlet of Terrace Reservoir, except for specific listings in segments 4a, 5, 6, and 7.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	pH	5. - 303(d)	H

CORGAL03a 3a. Mainstem of the Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.

Listed portion: **CORGAL03a_A** Mainstem of the Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M

CORGAL03c 3c. Mainstem of the Alamosa River from immediately above the confluence with Fern Creek to immediately below the confluence with Ranger Creek.

Listed portion: **CORGAL03c_A** Mainstem of the Alamosa River from immediately above the confluence with Fern Creek to immediately below the confluence with Ranger Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA

CORGAL03d 3d. Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir.

Listed portion: **CORGAL03d_A** Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Aluminum (Total)	5. - 303(d)	H

CORGAL07 7. Jasper Creek, including all tributaries and wetlands, from the source to the confluence with the Alamosa River.

Listed portion: **CORGAL07_A** Jasper Creek, including all tributaries and wetlands, from the source to the confluence with the Alamosa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Nickel (Dissolved)	3b. - M&E list	H

CORGAL09 9. Mainstem of Alamosa River from the outlet of Terrace Reservoir to Hwy 15 (Gunbarrel Road).

Listed portion: **CORGAL09_A** Mainstem of Alamosa River from the outlet of Terrace Reservoir to Hwy 15 (Gunbarrel Road).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

CORGAL10 10. Mainstem of the Alamosa River from Hwy 15 (Gunbarrel Road) to its point of final diversion.

Listed portion: **CORGAL10_A** Mainstem of the Alamosa River from Hwy 15 (Gunbarrel Road) to its point of final diversion.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

CORGAL11b 11b. Mainstem of La Jara Creek from the outlet of La Jara Reservoir to a point immediately above the confluence with Hot Creek. All tributaires, including wetlands, to La Jara Creek from a point immediately below the confluence with Jarosa Creek to a point immediately above the confluence with Hot Creek.

Listed portion: **CORGAL11b_A** Mainstem of La Jara Creek from the outlet of La Jara Reservoir to a point immediately above the confluence with Hot Creek. All tributaries, including wetlands, to La Jara Creek from a point immediately below the confluence with Jarosa Creek to a point immediately above the confluence with Hot Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

CORGAL12 12. Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.

Listed portion: **CORGAL12_A** Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

CORGAL13 13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.

Listed portion: **CORGAL13_A** Mainstem of Hot Creek from the source to the confluence with La Jara Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

CORGAL14a 14a. Mainstem of the Conejos River, including all tributaries and wetlands, from the source to immediately below the confluence with Elk Creek, excluding the specific listings in segment 1.

Listed portion: **CORGAL14a_B** La Manga Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGAL25 25. All lakes and reservoirs tributary to La Jara Creek from the source to a point immediately above the confluence with Hot Creek.

Listed portion: **CORGAL25_B** La Jara Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

CORGAL30 30. Platoro Reservoir.

Listed portion: **CORGAL30_A** Platoro Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA

CORGCB02a 2a. Mainstem of La Garita Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Geronimo Creek. The North, Middle, and South Forks of Carnero Creek, including all tributaries and wetlands, from their sources to their confluences at the inception of the mainstem of Carnero Creek.

Listed portion: **CORGCB02a_B** North Fork of Carnero Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGCB02a_C** South Fork of Carnero Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGCB02b 2b. Mainstem of La Garita Creek, including all tributaries and wetlands, from a point immediately below the confluence with Geronimo Creek to 38 Road. All tributaries to the mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road, excluding the specific listings in segment 2a.

Listed portion: **CORGCB02b_B** Mainstem of La Garita Creek, including all tributaries and wetlands, from a point immediately below the confluence with Geronimo Creek to 38 Road.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGCB02c 2c. Mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road.

Listed portion: **CORGCB02c_A** Mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGCB03 3. All tributaries to the Closed Basin excluding the listings in segments 2a, 2b, 2c, and 4 through 13.

Listed portion: **CORGCB03_B** Cottonwood Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

Listed portion: **CORGCB03_C** Major Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

Listed portion: **CORGCB03_D** Willow Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

CORGCB04 4. Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to ithe mouth.

Listed portion: **CORGCB04_A** Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to the mouth.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

CORGCB05 5. Mainstem of San Luis Creek from a point immediately below the confluence with Piney Creek to the inlet to San Luis Lake.

Listed portion: **CORGCB05_A** Mainstem of San Luis Creek from a point immediately below the confluence with Piney Creek to the inlet to San Luis Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

CORGCB09b 9b. Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with San Luis Creek.

Listed portion: **CORGCB09b_A** Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with U S Gulch.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **CORGCB09b_B** Mainstem of Kerber Creek from a point immediately above the confluence with U S Gulch to the confluence with San Luis Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

CORGCB10 10. Mainstem of Sand Creek, including all tributaries and wetlands, from the source to the mouth. Mainstem of Medano Creek, including all tributaries and wetlands, from the source to the mouth.

Listed portion: **CORGCB10_B** Mainstem of Sand Creek, including all tributaries and wetlands, from the source to the mouth.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

CORGCB12a 12a. Mainstem of Saguache Creek, including all tributaries and wetlands, from the boundary of the La Garita Wilderness Area to a point just below the confluence Ford Creek, excluding the specific listings in segment 1.

Listed portion: **CORGCB12a_B** East Pass Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	H

Listed portion: **CORGCB12a_C** Ford Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **CORGCB12a_F** Mainstem of Saguache Creek from the boundary of the La Garita Wilderness Area to a point just below the confluence with Ford Creek, excluding the specific listings in segment 12b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	L

CORGCB12b 12b. Mainstem of Saguache Creek, including all tributaries and wetlands, from a point just below the confluence with Ford Creek to Hwy 285.

Listed portion: **CORGCB12b_B** Mainstem of Saguache Creek from a point just below the confluence of Fourmile Creek to a point just below the confluence with Ford Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Total Phosphorus	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	L

CORGCB19 19. San Luis Lake.

Listed portion: **CORGCB19_A** San Luis Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Ammonia	5. - 303(d)	H

CORGRG02 2. Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3.

Listed portion: **CORGRG02_B** South Clear Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGRG02_C** Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3, South Clear Creek, and Seepage Creek from the outlet of Santa M

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGRG02_D** Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

CORGRG03 3. Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir. Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek.

Listed portion: **CORGRG03_B** Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

CORGRG04a 4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.

Listed portion: **CORGRG04a_A** Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

CORGRG04b 4b. Mainstem of the Rio Grande from a point immediately above the confluence with South Fork Rio Grande to the Hwy 285 crossing.

Listed portion: **CORGRG04b_B** Mainstem of the Rio Grande from Del Norte to the Hwy 285 crossing.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	H
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGRG04b_C** Mainstem of the Rio Grande from a point immediately above the confluence with Pinos Creek to Del Norte

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGRG04b_D** Mainstem of the Rio Grande from the confluence of South Fork to a point immediately above the confluence with Pinos Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

CORGRG04c 4c. Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.

Listed portion: **CORGRG04c_A** Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

CORGRG05 5. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to Hwy 112 bridge near Del Norte, excluding the listings in segments 6 through 10.

Listed portion: **CORGRG05a_A** Nelson Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **CORGRG05b_B** Mainstem of Embargo Creek, including all tributaries and wetlands, from immediately above the confluence with Dyers Creek to the confluence with the Rio Grande.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGRG05a 5a. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to the Hwy 112 bridge near Del Norte, excluding the listings in segments 5b through 10.

Listed portion: **CORGRG05a_B** Embargo Creek, including all tributaries and wetlands, from the source to immediately above the conluence with Dyers Creek. West Alder Creek, including all tributaries and wetlands.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

CORGRG06 6. Mainstem of West Willow Creek from immediately above Deerhorn Creek to the Park Regent Mine dump. East Willow Creek from the confluence with Whited Creek to the confluence with West Willow Creek.

Listed portion: **CORGRG06_B** East Willow Creek from the confluence with Whited Creek to the confluence with West Willow Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

CORGRG07 7. Mainstem of West Willow Creek from the Park Regent Mine dump to the confluence with East Willow Creek. Mainstem of Willow Creek, including all tributaries from the confluence of East and West Willow Creeks, to the confluence with the Rio Grande.

Listed portion: **CORGRG07_A** Mainstem of West Willow Creek from the Park Regent Mine dump to the confluence with Nelson Creek. Mainstem of Willow Creek, including all tributaries from the confluence of East and West Willow Creeks, to the confluence with the Rio Grande.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

Listed portion: **CORGRG07_B** West Willow Creek below Nelson Creek to East Willow Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

CORGRG09a 9a. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from the source to a point just below the confluence with Decker Creek, excluding the specific listings in segment 1. Mainstem of Beaver Creek, including all tributaries and wetlands, from the source to the inlet of Beaver Creek Reservoir.

Listed portion: **CORGRG09a_A** North Branch of Pass Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **CORGRG09a_B** Hope Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	H

CORGRG11 11. Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.

Listed portion: **CORGRG11_C** Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

CORGRG12 12. Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to the Old State Bridge east of Lobatos (Conejos County Road G).

Listed portion: **CORGRG12_A** Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to the Old State Bridge east of Lobatos (Conejos County Road G).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

CORGRG13 13. Mainstem of the Rio Grande from Old State Bridge east of Lobotos (Conejos County Road G) to the Colorado/New Mexico border.

Listed portion: **CORGRG13_A** Mainstem of the Rio Grande from Old State Bridge east of Lobatos (Conejos County Road G) to the Colorado/New Mexico border.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	NA

CORGRG19 19. Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal.

Listed portion: **CORGRG19_A** Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

CORGRG20a 20a. Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary.

Listed portion: **CORGRG20a_B** Deer Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **CORGRG20a_C** Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary, excluding Deer Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

CORGRG23a 23a. Mainstem of Sangre de Cristo Creek, including all tributaries and wetlands, from the source to Hwy 159, excluding the specific listings in segment 23b.

Listed portion: **CORGRG23a_B** Wagon Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **CORGRG23a_C** Placer Creek and its Tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

CORGRG23b 23b. Mainstem of Sangre de Cristo Creek from a point immediately below the confluence with Placer Creek to Hwy 159.

Listed portion: **CORGRG23b_A** Mainstem of Sangre de Cristo Creek from a point immediately below the confluence with Placer Creek to Hwy 159.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

CORGRG25 25. Mainstem of Trinchera Creek including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.

Listed portion: **CORGRG25_A** Mainstem of Trinchera Creek including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

CORGRG28 28. Mainstem of Rito Seco, including all tributaries and wetlands, from the source to the outlet of Salzar Reservoir.

Listed portion: **CORGRG28_B** Mainstem of Rito Seco, including all tributaries and wetlands, from the Battle Mountain Gold Mine to Salazar Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

CORGRG33 33. All lakes and reservoirs tributary to the Rio Grande from the source to the Hwy 112 bridge near Del Norte, excluding the specific listings in segments 32 and 38. All lakes and reservoirs tributary to San Francisco Creek from the source to a point immediately below the confluence with Spring Branch.

Listed portion: **CORGRG33_B** Alberta Park Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA

CORGRG37 37. Sanchez Reservoir.

Listed portion: **CORGRG37_A** Sanchez Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

CORGRG38 38. Continental Reservoir, Upper Brown Lake, Santa Maria Reservoir, Road Canyon Reservoir, Rio Grande Reservoir, Big Meadows Reservoir, Beaver Creek Reservoir, Smith Reservoir, Mountain Home Reservoir,

Listed portion: **CORGRG38_B** Smith Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA

Listed portion: **CORGRG38_C** Big Meadows Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **CORGRG38_D** Road Canyon Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **CORGRG38_E** Mountain Home Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COSJAF03a 3a. Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Minnie Gulch to immediately above the confluence with Cement Creek.

Listed portion: **COSJAF03a_A** Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Minnie Gulch to immediately above the confluence with Cement Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSJAF03a_B** Mainstem of the Animas River, including wetlands, From Minnie Gulch to Maggie Gulch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	L

COSJAF03c 3c. Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.

Listed portion: **COSJAF03c_A** Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

COSJAF04a 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.

Listed portion: **COSJAF04a_A** 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.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Aluminum (Total)	5. - 303(d)	M
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	L

COSJAF04b 4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge (37.458620, -107.799194).

Listed portion: **COSJAF04b_A** Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COSJAF05a 5a. Mainstem of the Animas River, including wetlands, from Bakers Bridge (37.458620, -107.799194) to the Southern Ute Indian Reservation boundary.

Listed portion: **COSJAF05a_B** Mainstem of the Animas River, including wetlands, from Bakers Bridge to Junction Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **COSJAF05a_C** Mainstem of the Animas River, including wetlands, from Junction Creek to the Southern Ute Indian Reservation boundary.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COSJAF09 9. Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.

Listed portion: **COSJAF09_A** Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Aluminum (Total)	5. - 303(d)	M

COSJAF10a 10a. Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.

Listed portion: **COSJAF10a_A** Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSJAF13a 13a. Mainstem of Junction Creek including all tributaries, from the U.S. Forest Boundary to the confluence with Animas River.

Listed portion: **COSJAF13a_B** Junction Creek from US Forest Boundary to confluence with the Animas River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COSJAF22 22. Electra Lake. Lake Nighthorse.

Listed portion: **COSJAF22_B** Electra Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA

COSJDO04a 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).

Listed portion: **COSJDO04a_B** Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to McPhee Reservior.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSJDO04b 4b. McPhee Reservoir and Summit Reservoir.

Listed portion: **COSJDO04b_A** Summit Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

COSJDO05a 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.

Listed portion: **COSJDO05a_B** Fish Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSJDO05a_C** Roaring Forks Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

COSJDO10b 10b. Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.

Listed portion: **COSJDO10b_A** Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSJDO11b 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.

Listed portion: **COSJDO11b_A** All tributaries to the Dolores River, including all wetlands, from below West Dolores River to the inlet of McPhee Reservoir, except for 4a, 11a.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COSJLP01 1. Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.

Listed portion: **COSJLP01_A** Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H

COSJLP04c 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.

Listed portion: **COSJLP04c_C** Mainstem of the Mancos River the confluence of the East and West Forks to Hwy 160.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

Listed portion: **COSJLP04c_D** East Mancos River from the National Forest boundry to the confluence with Middle Mancos River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COSJLP05 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 boundary of the Ute Mountain Ute Indian Reservation.

Listed portion: **COSJLP05_B** Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Sulfate	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSJLP06a 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, 5, 6b and 6c. Navajo Wash, including all tributaries, from the source to the Ute Mountain Indian Reservation Boundary.

Listed portion: **COSJLP06a_B** 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, 5,6b, and 6c. Navajo Wash to the Ute Mountain boundary.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSJLP07a 7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.

Listed portion: **COSJLP07a_C** Mainstem of McElmo Creek, from the source to Alkali Canyon.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COSJLP07b 7b. Mainstem of McElmo Creek from the confluence with Alkali Canyon to the Colorado/Utah border, except portion within the Ute Mountain Indian Reservation.

Listed portion: **COSJLP07b_B** Mainstem of McElmo Creek from Alkali Canyon to the Utah border except for portions within the Ute Mountain Ute boundry.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COSJLP08 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, 7b and 11.

Listed portion: **COSJLP08_A** All tributaries and wetlands to McElmo Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L

Listed portion: **COSJLP08_B** Mud Creek and all tributaries.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COSJLP08_C** Hartman Draw and all tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L

Listed portion: **COSJLP08_D** Trail Canyon and its tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COSJLP08_E** Ritter Draw and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

COSJLP09 9. Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).

Listed portion: **COSJLP09_B** Unnamed tributary to Ritter Draw (confluence at 37.4059,-108.5325).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COSJLP11 11. Narraguinnep, Puett and Totten Reservoirs.

Listed portion: **COSJLP11_A** Puett Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

Listed portion: **COSJLP11_B** Narraguinnep Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSJLP11_C** Totten Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

COSJPI05a 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 the First Fork of the Piedra River. Devil Creek, including all tributaries, from the source to a point below the confluence with Dunagan Canyon.

Listed portion: **COSJPI05a_A** All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to the confluence with First Fork, Devil Creek and its tributaries to Dunagan Creek, except for segments 2a, 3 and Williams Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COSJPI05a_B** Williams Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COSJPI06a 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.

Listed portion: **COSJPI06a_E** Mainstem of Stollsteimer Creek from Martinez Creek to the confluence with Hall Canyon

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	3b. - M&E list	H
Recreational Use	E. coli	3b. - M&E list	H
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

Listed portion: **COSJPI06a_F** Tributaries to Stollsteimer Creek to the confluence with Hall Canyon not on the the Southern Ute Reservation

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSJPI06d 6d. Steven’s draw from the outlet of Lake Forest Reservoir to the confluence with Martinez Creek.

Listed portion: **COSJPI06d_A** Steven's Draw from the outlet of Lake Forest Reservoir to the confluence with Martinez Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSJPI08 8. Williams Creek Reservoir.

Listed portion: **COSJPI08_A** Williams Creek Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	pH	5. - 303(d)	H

COSJPN02a 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.

Listed portion: **COSJPN02a_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSJPN03 3. Vallecito Reservoir.

Listed portion: **COSJPN03_A** Vallecito Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

COSJPN05 5. Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.

Listed portion: **COSJPN05_A** Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSJSJ01b 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.

Listed portion: **COSJSJ01b_B** Mainstem of the Navajo River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COSJSJ03 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.

Listed portion: **COSJSJ03_A** 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.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

COSJSJ05 5. The East and West Forks 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.

Listed portion: **COSJSJ05_D** West Fork of the San Juan River including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork)to the confluence of the mainstem of the San Juan River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **COSJSJ05_E** Mainstem of the East 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 froma point below the confluences of the East and West Forks to the confluence with Fourmile Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA

COSJSJ06b 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.

Listed portion: **COSJSJ06b_B** Mainstem of Mill Creek, source to confluence with the San Juan River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

Listed portion: **COSJSJ06b_C** Mainstem of the San Juan River from Hwy 160 to the Southern Ute Reservation Boundary.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA

COSJSJ08 8. Navajo Reservoir. Echo Canyon Reservoir.

Listed portion: **COSJSJ08_B** Echo Canyon Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

Listed portion: **COSJSJ08_C** Navajo Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	3b. - M&E list	NA

COSJSJ09a 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.

Listed portion: **COSJSJ09a_A** 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.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COSJSJ10 10. Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.

Listed portion: **COSJSJ10_A** Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COSPBD01 1. Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River, except for specific listing in Segments 4a, 4b, 5 and 6.

Listed portion: **COSPBD01_B** Mainstem of Big Dry Creek from Weld County Road 8 to the confluence with the South Platte River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

COSPBD02 2. Standley Lake.

Listed portion: **COSPBD02_A** Standley Lake.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSPBD04a 4a. Mainstem and all tributaries to Woman and Walnut Creeks from sources to Standley Lake and Great Western Reservoir except for specific listings in Segments 4b and 5.

Listed portion: **COSPBD04a_A** Mainstem and all tributaries to Woman and Walnut Creeks from sources to Standley Lake and Great Western Reservoir except for specific listings in Segments 4b and 5.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

COSPBD05 5. North Walnut Creek from the western edge of the Central Operable Unit and South Walnut Creek from its source, including all tributaries, lakes, reservoirs and wetlands, to the eastern boundary of the Central Operable Unit and Pond C-2 on Woman Creek.

Listed portion: **COSPBD05_A** North Walnut Creek from the western edge of the Central Operable Unit and South Walnut Creek from its source, including all tributaries, lakes, reservoirs and wetlands, to the eastern boundary of the Central Operable Unit and Pond C-2 on Woman Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	NO2+NO3	5. - 303(d)	L

COSPBE01a 1a. Mainstem of Bear Creek from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake.

Listed portion: **COSPBE01a_B** Bear Creek below Yankee Creek to the inlet of Evergreen Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COSPBE01b 1b. Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.

Listed portion: **COSPBE01b_A** Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	M

COSPBE01c 1c. Bear Creek Reservoir.

Listed portion: **COSPBE01c_A** Bear Creek Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Chlorophyll-A	5. - 303(d)	H
Aquatic Life Use	Total Phosphorus	5. - 303(d)	H

COSPBE01e 1e. Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.

Listed portion: **COSPBE01e_A** Mainstem of Bear Creek from Kerr/Swede Gulch to Mount Vernon Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COSPBE01e_B** Bear creek from Mount Vernon Creek to the Harriman Ditch

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H

COSPBE02 2. Mainstem of Bear Creek from the outlet of Bear Creek Reservoir to the confluence with the South Platte River.

Listed portion: **COSPBE02_A** Bear Creek from the outlet of Evergreen Lake to Kipling Parkway

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBE02_B** Bear Creek from Kipling Parkway to Wadsworth Boulevard

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBE02_C** Bear Creek from Wadsworth Boulevard to South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	5. - 303(d)	H

COSPBE03 3. All tributaries to Bear Creek, including all wetlands, from the source to the outlet of Evergreen Lake. Except for specific listings in Segment 7.

Listed portion: **COSPBE03_B** Vance Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COSPBE04a 4a. All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for specific listings in Segments 5, 6a, and 6b.

Listed portion: **COSPBE04a_C** Mt. Vernon Creek and all of its tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

COSPBE06a 6a. Turkey Creek system, including all tributaries and wetlands, from the source to the inlet of Bear Creek Reservoir, except for specific listings in Segment 6b.

Listed portion: **COSPBE06a_B** Turkey Creek system, including all tributaries and wetlands , from the source to the Bear Lake to Parmalee Gulch, except for specific listings in Segment 6b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COSPBE06b 6b. Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.

Listed portion: **COSPBE06b_A** Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COSPBE11 11. Lakes and reservoirs in the Bear Creek system from the outlet of Evergreen Lake to the confluence with the South Platte River, except as specified in Segments 1c, 10, and 12; includes Soda Lakes.

Listed portion: **COSPBE11_B** Harriman Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSPBO02a 2a. Mainstem of Boulder Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.

Listed portion: **COSPBO02a_A** Mainstem of Middle Boulder Creek below 39.971 -105.4755, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO02a_B** North Boulder Creek from Caribou Creek to the confluence with Como Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO02a_C** North Boulder Creek to the confluence with Caribou Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

Listed portion: **COSPBO02a_D** Middle Boulder Creek from the outlet at Baker Reservoir to Longitude:-105.475577° Latitude: 39.971275°

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO02a_E** Mainstem of North Boulder Creek from Como Creek to the confluence of Middle Boulder Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO02a_F** Como Creek and its tributaries from source to North Boulder Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

COSPBO02b 2b. Mainstem of Boulder Creek, including all tributaries and wetlands, from a point immediately below the confluence with North Boulder Creek to a point immediately above the confluence with South Boulder Creek.

Listed portion: **COSPBO02b_B** Mainstem of Boulder Creek from 13th St. to immediately above the confluence with South Boulder Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H

Listed portion: **COSPBO02b_D** Mainstem of Boulder Creek, including all tributaries and wetlands, from the City of Boulder boundary (40.013181, -105.301472) to a point immediately above 13th St (40.0143, -105.2779), except for Bear Canyon and Gregory creeks.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPBO02b_E** Mainstem of Fourmile Creek, including all tributaries and welands, from the source to the confluence of Boulder Creek, except Gold Run Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO02b_F** Gold Run Creek and its tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COSPBO02b_G** Mainstem of Boulder Creek, including all tributaries and wetlands, from a point immediately below the confluence with North Boulder Creek to a point immediately above the City of Boulder boundary (40.013181, -105.301472), including the entirety of Bear Canyon and Gregory creeks, and except for specific listings in Four Mile and Gold Run creeks.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H

COSPBO03 3. Mainstem of Middle Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.

Listed portion: **COSPBO03_A** Tributaries and wetlands to Middle Boulder Creek, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPBO03_B** Mainstem of the Middle Boulder Creek, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPBO04a 4a. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1.

Listed portion: **COSPBO04a_A** Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1 and Gamble Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COSPBO04a_B** Gamble Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA

COSPBO04b 4b. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to South Boulder Road, except for specific listings in Segments 4c and 4d.

Listed portion: **COSPBO04b_C** Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to the mouth of Eldorado Canyon above the Community Ditch diversion structure (39°55'56.82"N, 105°16'50.56"W), except for specific listings in Segments 4c and 4d.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO04b_D** Mainstem of South Boulder Creek, including all tributaries and wetlands, from below the Community Ditch diversion structure (39°55'56.82"N, 105°16'50.56"W), to South Boulder Road, except for specific listings in Segments 4c and 4d.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L

COSPBO07a 7a. Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).

Listed portion: **COSPBO07a_A** Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSPBO07b 7b. Mainstem of Coal Creek from Highway 36 to the confluence with Boulder Creek.

Listed portion: **COSPBO07b_A** Mainstem of Coal Creek from Highway 36 to the confluence with Rock Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPBO07b_B** Mainstem of Coal Creek from Rock Creek to Boulder Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPBO08 8. All tributaries to South Boulder Creek, including all wetlands from South Boulder Road to the confluence with Boulder Creek and all tributaries to Coal Creek, including all wetlands from Highway 93 to the confluence with Boulder Creek.

Listed portion: **COSPBO08_B** Rock Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COSPBO09 9. Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to the confluence with Coal Creek.

Listed portion: **COSPBO09_A** Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to 107th Street

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. Coli (July - October)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBO09_B** Mainstem of Boulder Creek from 107th Street to Coal Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. Coli (July - October)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPBO10 10. Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.

Listed portion: **COSPBO10_A** Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPBO14 14. All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13. This segment includes Barker and Lakewood Reservoir.

Listed portion: **COSPBO14_B** Barker Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSPBO14_D** Silver Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

COSPBO18 18. Gross Reservior.

Listed portion: **COSPBO18_A** Gross Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	3b. - M&E list	NA

COSPBT01 1. Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park, except for specific listings in Segment 2.

Listed portion: **COSPBT01_A** Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park, except for specific listings in Segment 2.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H

COSPBT02 2. Mainstem of the Big Thompson River, including all tributaries and wetlands from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek below Estes Park water treatment plant.

Listed portion: **COSPBT02_A** Mainstem of the Big Thompson River, including all tributaries and wetlands from UTSD discharge to Cedar Creek, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek; excluding Fish Creek below Mary's Lake

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H

Listed portion: **COSPBT02_B** Fish Creek below Marys Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Nitrate	5. - 303(d)	H

Listed portion: **COSPBT02_C** Mainstem of the Big Thompson River, including all tributaries and wetlands, from RMNP to USTD discharge.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Water Supply Use	Nitrate	5. - 303(d)	H
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H

Listed portion: **COSPBT02_D** Mainstem of the Big Thompson River, including all tributaries and wetlands, from Cedar Creek to Home Supply Canal

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPBT03 3. Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.

Listed portion: **COSPBT03_A** Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COSPBT04a 4a. Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.

Listed portion: **COSPBT04a_A** Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

COSPBT04b 4b. Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.

Listed portion: **COSPBT04b_A** Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPBT04c 4c. Mainstem of the Big Thompson from County Road 11H to I-25.

Listed portion: **COSPBT04c_A** Mainstem of the Big Thompson from County Road 11H to I-25.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Mercury (Total)	5. - 303(d)	M

COSPBT05 5. Mainstem of The Big Thompson River from I-25 to the confluence with the South Platte River.

Listed portion: **COSPBT05_A** Mainstem of The Big Thompson River from I-25 to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Mercury (Total)	5. - 303(d)	M

COSPBT06 6. All tributaries to the Big Thompson River, including all wetlands, from the Home Supply Canal diversion to the confluence with the South Platte River.

Listed portion: **COSPBT06_A** All tributaries to the Big Thompson River, including all wetlands, from the Home Supply Canal diversion to the confluence with the South Platte River; excluding Dry Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COSPBT07 7. Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River; mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.

Listed portion: **COSPBT07_A** Mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H

Listed portion: **COSPBT07_B** Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Mercury (Total)	5. - 303(d)	H

COSPBT08 8. Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the Culver Ditch diversion.

Listed portion: **COSPBT08_A** Mainstem of the Little Thompson River, including all tributaries and wetlands, from the the St. Vrain Supply Canal to the Culver Ditch diversion.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPBT08_B** Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the St. Vrain Supply Canal

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPBT09 9. Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.

Listed portion: **COSPBT09_A** Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPBT10 10. All tributaries to the Little Thompson River, including all wetlands, from the Culver Ditch diversion to the confluence with the Big Thompson River.

Listed portion: **COSPBT10_A** All tributaries to the Little Thompson River, including all wetlands, from the Culver Ditch diversion to the confluence with the Big Thompson River; excluding Big Hollow Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

COSPBT11 11. Carter Lake.

Listed portion: **COSPBT11_A** Carter Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COSPBT16 16. All lakes and reservoirs tributary to the Big Thompson River from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion. This segment includes Lake Estes and St Mary's Lake.

Listed portion: **COSPBT16_B** Lake Estes

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

COSPCH01 1. Mainstem of Cherry Creek from the source of East and West Cherry Creek to the inlet of Cherry Creek Reservoir.

Listed portion: **COSPCH01_A** Mainstem of Cherry Creek from the source of East and West Cherry Creek to the inlet of Cherry Creek Reservoir.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPCH02 2. Cherry Creek Reservoir.

Listed portion: **COSPCH02_A** Cherry Creek Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Chlorophyll-A	5. - 303(d)	H
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COSPCH03 3. Mainstem of Cherry Creek from the outlet of Cherry Creek Reservoir to the confluence with the South Platte River.

Listed portion: **COSPCH03_A** Mainstem of Cherry Creek from the outlet of Cherry Creek Reservoir to Holly Street.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPCH03_B** Mainstem of Cherry Creek from Holly street to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COSPCH04a 4a. All tributaries to Cherry Creek, including all wetlands, from the source of East and West Cherry Creeks to the confluence with the South Platte River except for specific listings in Segment 4b.

Listed portion: **COSPCH04a_A** All tributaries to Cherry Creek, including all wetlands, from the source of East and West Cherry Creeks to the confluence with the South Platte River except for specific listings in Segment 4b; excluding Goldsmith Gulch and McMurdo Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **COSPCH04a_B** Goldsmith Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPCH04b 4b. Cottonwood Creek, including all tributaries and wetlands, from the source to Cherry Creek Reservoir.

Listed portion: **COSPCH04b_B** Upper Windmill Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COSPCL02a 2a. Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to a point just above the confluence with West Fork Clear Creek,except for specific listings in Segments 3a and 3b.

Listed portion: **COSPCL02a_B** Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to the inlet of Georgetown Lake, except for specific listings in Segments 3a and 3b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

Listed portion: **COSPCL02a_C** Mainstem of Clear Creek, including all tributaries and wetlands, from the outlet of Georgetown Lake to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COSPCL02b 2b. Mainstem of Clear Creek, including all tributaries and wetlands, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.

Listed portion: **COSPCL02b_B** Mainstem of Clear Creek from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

Listed portion: **COSPCL02b_C** All tributaries and wetlands of Clear Creek, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COSPCL02c 2c. Mainstem of Clear Creek, including all tributaries and wetlands, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10.

Listed portion: **COSPCL02c_B** Turkey Gulch below Rockford Tunnel

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

Listed portion: **COSPCL02c_C** Mainstem of Clear Creek, from the confluence with Mill Creek to a point just above the Argo Tunnel discharge.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

Listed portion: **COSPCL02c_E** Virginia Canyon from its source to its confluence with Clear Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	pH	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Cadmium (Total)	5. - 303(d)	L
Water Supply Use	Nickel (Total)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

Listed portion: **COSPCL02c_F** All tributaries and wetlands of Clear Creek, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10, Virginia Canyon, and Turkey Gulch below Rockford Tunnel.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

COSPCL03a 3a. Mainstem of South Clear Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for the specific listings in Segments 3b and 19.

Listed portion: **COSPCL03a_B** Mainstem of South Clear Creek, including all tributaries and wetlands, from a point just above Clear Lake to confluence with Clear Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPCL03b 3b. Mainstem of Leavenworth Creek from source to confluence with South Clear Creek.

Listed portion: **COSPCL03b_A** Mainstem of Leavenworth Creek from source to confluence with South Clear Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COSPCL05 5. Mainstem of West Fork Clear Creek from the confluence with Woods Creek to the confluence with Clear Creek.

Listed portion: **COSPCL05_B** West Fork of Clear Creek from Hoop Creek to the confluence with Clear Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPCL06 6. All tributaries to West Fork Clear Creek, including all wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segments 7 and 8.

Listed portion: **COSPCL06_C** North Empire Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	pH	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

COSPCL09a 9a. Mainstem of Fall River, including all tributaries and wetlands, from the source to the confluence with Clear Creek.

Listed portion: **COSPCL09a_B** Silver Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H

Listed portion: **COSPCL09a_C** Mainstem of Fall River from the source to the confluence with Clear Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COSPCL09b 9b. Mainstem of Trail Creek, including all tributaries and wetlands from the source to the confluence with Clear Creek.

Listed portion: **COSPCL09b_A** Mainstem of Trail Creek, including all tributaries and wetlands from the source to the confluence with Clear Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Cadmium (Total)	5. - 303(d)	L

COSPCL10 10. Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.

Listed portion: **COSPCL10_A** Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPCL11 11. Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.

Listed portion: **COSPCL11_A** Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Temperature	5. - 303(d)	H

COSPCL12a 12a. All tributaries to Clear Creek, including all wetlands, from the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado, except for specific listings in Segments 12b, 13a and 13b.

Listed portion: **COSPCL12a_A** All tributaries, excluding Gilson Gulch, to Clear Creek, including all wetlands, from the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado, except for specific listings in Segments 12b, 13a, and 13b.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

Listed portion: **COSPCL12a_B** Gilson Gulch and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Cadmium (Total)	5. - 303(d)	L
Water Supply Use	Lead (Total)	5. - 303(d)	L
Water Supply Use	Nickel (Total)	5. - 303(d)	L

COSPCL13a 13a. Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to its confluence with Chase Gulch, and Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek and Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.

Listed portion: **COSPCL13a_C** Chase Gulch, including all tributaries and wetlands, from its source to its confluence with North Clear Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COSPCL13b 13b. Mainstem of North Clear Creek including all tributaries and wetlands from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.

Listed portion: **COSPCL13b_B** Mainstem of N. Clear Creek from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Temperature	5. - 303(d)	M
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

Listed portion: **COSPCL13b_C** Gregory Gulch, Russell Gulch, and Silver Gulch, including all tributaries and wetlands, from their sources to their confluences with North Clear Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M

Listed portion: **COSPCL13b_D** All tributaries and wetlands to North Clear Creek from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for specific listings in Segment 13a, and excluding those tributaries specifically identified in portion COSPCL13b_C.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	NA

COSPCL14a 14a. Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to the Denver Water conduit #16 crossing.

Listed portion: **COSPCL14a_A** Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to Croke Canal Diversion, and from McIntyre St. to the Denver Water conduit #16 crossing.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Ammonia	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	M
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L

Listed portion: **COSPCL14a_B** Mainstem of Clear Creek from Croke Canal Diversion to McIntyre Street.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	M

COSPCL14b 14b. Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.

Listed portion: **COSPCL14b_A** Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Ammonia	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Organic Sediment	5. - 303(d)	L

COSPCL15 15. Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to the confluence with the South Platte River.

Listed portion: **COSPCL15_B** Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to Wadsworth Blvd (39.7845, -105.0814).

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Ammonia	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	L
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Organic Sediment	5. - 303(d)	L

Listed portion: **COSPCL15_C** Mainstem of Clear Creek from Wadsworth Blvd (39.2492, -105.6608) to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	L
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Organic Sediment	5. - 303(d)	L

COSPCL16a 16a. Mainstem of Lena Gulch including all tributaries and wetlands from its source to the inlet of Maple Grove Reservoir.

Listed portion: **COSPCL16a_A** Mainstem of Lena Gulch including all tributaries and wetlands from its source to the inlet of Maple Grove Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA

COSPCL17a 17a. Arvada Reservoir.

Listed portion: **COSPCL17a_A** Arvada Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COSPCL17b 17b. Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.

Listed portion: **COSPCL17b_A** Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COSPCL18a 18a. Mainstem of Ralston Creek, including all tributaries and wetlands, from the outlet of Arvada Reservoir to the confluence with Clear Creek.

Listed portion: **COSPCL18a_A** Mainstem of Ralston Creek, including all tributaries and wetlands, from the outlet of Arvada Reservoir to the confluence with Clear Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COSPCL18b 18b. Mainstem of Leyden Creek and Van Bibber Creek from their source to their confluence with Ralston Creek. Mainstem of Little Dry Creek from its source to its confluence with Clear Creek.

Listed portion: **COSPCL18b_A** Mainstem of Leyden Creek and Van Bibber Creek from their source to their confluence with Ralston Creek. Mainstem of Little Dry Creek from its source to its confluence with Clear Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COSPCP02a 2a. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from the boundaries of Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.

Listed portion: **COSPCP02a_B** Mainstem of the Cache La Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COSPCP02a_C** All tributaries and wetlands of the Cache la Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COSPCP02b 2b. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion).

Listed portion: **COSPCP02b_A** Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Monroe Gravity Canal/North Poudre Supply canal diversion.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPCP06 6. Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.

Listed portion: **COSPCP06_A** Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPCP07 7. Mainstem of the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 20.

Listed portion: **COSPCP07_B** North Fork of Cache la Poudre River from five miles below Halligan Reservoir to the confluence with the mainstem of the Cache la Poudre River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSPCP07_C** North Fork Cache la Poudre River five miles below Halligan Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPCP08 8. All tributaries to the North Fork of the Cache La Poudre River, including all wetlands, from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.

Listed portion: **COSPCP08_A** All tributaries to the North Fork of the Cache La Poudre River, including all wetlands from, the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPCP09 9. Mainstem of Rabbit Creek and Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

Listed portion: **COSPCP09_B** Mainstem of Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

Listed portion: **COSPCP09_C** Mainstem of Rabbit Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPCP10a 10a. Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion) to a point immediately above the Larimer County Ditch diversion (40.657, -105.185).

Listed portion: **COSPCP10a_A** Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate/North Poudre Supply Canal diversion to a point immediately above the Larimer County Ditch diversion (40.657, -105.185)

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

COSPCP10b 10b. Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.

Listed portion: **COSPCP10b_A** Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPCP11 11. Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.

Listed portion: **COSPCP11_A** Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	L

COSPCP12 12. Mainstem of the Cache La Poudre River from a point immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.

Listed portion: **COSPCP12_A** Mainstem of the Cache La Poudre River from a point immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	5. - 303(d)	H

COSPCP13a 13a. All tributaries to the Cache La Poudre River, including all wetlands, from the Munroe Gravity Canal/North Poudre Supply canal diversion to the confluence with the South Platte River, except for specific listings in Segments 6, 7, 8, 13b and 13c.

Listed portion: **COSPCP13a_B** Dry Creek and all tributaries.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COSPCP13a_D** Spring Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	5. - 303(d)	H

Listed portion: **COSPCP13a_E** Fossil Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	M

COSPCP13b 13b. Mainstem of Boxelder Creek from its source to the confluence with the Cache La Poudre River.

Listed portion: **COSPCP13b_A** Mainstem of Boxelder Creek from its source to the confluence with the Cache La Poudre River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Recreational Use	E. coli	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	M

COSPCP14 14. Horsetooth Reservoir.

Listed portion: **COSPCP14_A** Horsetooth Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COSPCP20 20. All lakes and reservoirs tributary to the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River. This segment includes Halligan Reservoir and Seaman Reservoir.

Listed portion: **COSPCP20_B** Seaman Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

COSPLA02a 2a. Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.

Listed portion: **COSPLA02a_A** Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	pH	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA

COSPLA02b 2b. Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.

Listed portion: **COSPLA02b_A** Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPLS01 1. Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.

Listed portion: **COSPLS01_A** Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Uranium (Total)	5. - 303(d)	H
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPLS02b 2b. All tributaries to the South Platte River, including all wetlands, north of the South Platte River and below 4,500 feet in elevation in Morgan County, north of the South Platte River in Washington County, north of the South Platte River and below 4,200 feet in elevation in Logan County, north of the South Platte River and below 3,700 feet in elevation in Sedgwick County, and the mainstems of Beaver Creek, Bijou Creek and Kiowa Creek from their sources to the confluence with the South Platte River, except for the portion of Beaver Creek from its source to the Fort Morgan Canal.

Listed portion: **COSPLS02b_B** Beaver Creek from the source to South Platte River, except for the portion of Beaver Creek from its source to the Fort Morgan Canal.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPLS02b_C** Kiowa Creek and tributaries from the source to South Platte River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

COSPLS03 3. Jackson Reservoir, Prewitt Reservoir, North Sterling Reservoir, Jumbo (Julesburg), Riverside Reservoir, Empire Reservoir, and Vancil Reservoir.

Listed portion: **COSPLS03_B** North Sterling Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	H

Listed portion: **COSPLS03_C** Jumbo Reservoir (Julesburg Reservoir).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

Listed portion: **COSPLS03_D** Jackson Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H

COSPMS01a 1a. Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.

Listed portion: **COSPMS01a_A** Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPMS01b 1b. Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.

Listed portion: **COSPMS01b_A** Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Nitrate	3b. - M&E list	NA
Recreational Use	E. coli	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPMS04 4. Barr Lake and Milton Reservoir.

Listed portion: **COSPMS04_A** Barr Lake

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPMS04_B** Milton Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPMS05a 5a. Mainstem of Lone Tree Creek from the source to the confluence with the South Platte River.

Listed portion: **COSPMS05a_A** Mainstem of Lone Tree Creek from the source to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Nitrate	5. - 303(d)	H

COSPMS05c 5c. Mainstems of Crow Creek and Box Elder Creek from their sources to their confluences with the South Platte River, except for specific listings in Segment 5b.

Listed portion: **COSPMS05c_A** Mainstems of Crow Creek and Box Elder Creek from their sources to their confluences with the South Platte River, except for specific listings in Segment 5b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	M

COSPMS07 7. All lakes and reservoirs tributary to the South Platte River from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segment 4.

Listed portion: **COSPMS07_B** Prospect Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	L

Listed portion: **COSPMS07_C** Horse Creek Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	M

COSPRE01 1. Mainstem of the South Fork of the Republican River from a point 23 miles above the Colorado-Kansas border (39.582154°, -102.350838°) to the Colorado-Kansas border.

Listed portion: **COSPRE01_A** Mainstem of the South Fork of the Republican River from a point 10 miles above Bonny Reservoir to the Colorado-Kansas border.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Lead (Dissolved)	5. - 303(d)	H

COSPRE03 3. Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.

Listed portion: **COSPRE03_A** Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPRE05 5. Mainstem of Black Wolf Creek from the source to the confluence with the Arikaree River.

Listed portion: **COSPRE05_A** Mainstem of the Black Wolf Creek from the source to the confluence with the Arikaree River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA

COSPSV01 1. All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.

Listed portion: **COSPSV01_B** Mainstem of South St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

Listed portion: **COSPSV01_C** All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park, except for the maintsem of South St. Vrain.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	H

COSPSV02a 2a. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.

Listed portion: **COSPSV02a_A** Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSPSV02b 2b. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road.

Listed portion: **COSPSV02b_A** Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road. Except part of South Saint Vrain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPSV02b_B** South Saint Vrain Creek from just below its confluence with Red Hill Gulch to its confluence with North Saint Vrain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPSV03 3. Mainstem of St. Vrain Creek from Hygiene Road to the confluence with the South Platte River.

Listed portion: **COSPSV03_B** Mainstem of St. Vrain Creek from the confluence with Left Hand Creek to the confluence with Boulder Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPSV03_C** Mainstem of St. Vrain Creek from Hover Road to Left Hand Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPSV03_D** Mainstem of St. Vrain Creek from Hygiene Road to Hover Road and St. Vrain Creek from I-25 to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPSV03_E** Mainstem of St. Vrain Creek from Boulder Creek to I-25.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COSPSV04a 4a. Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with James Creek, except for specific listings in Segment 4b.

Listed portion: **COSPSV04a_A** Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to Hwy 72, except for specific listings in Segment 4b.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COSPSV04a_B** Mainstem of Left Hand Creek, including all tributaries and wetlands from Hwy 72 to James Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

COSPSV04b 4b. Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek.

Listed portion: **COSPSV04b_A** Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek, excluding Little James Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	pH	5. - 303(d)	H

Listed portion: **COSPSV04b_B** Little James Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPSV05 5. Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to the confluence with St. Vrain Creek.

Listed portion: **COSPSV05_A** Mainstem of Left Hand Creek, including all tributaries and wetlands from a point above the Boulder Feeder Canal to the confluence with St. Vrain Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSPSV05_B** Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to a point above the Boulder Feeder Canal

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	M

COSPSV06 6. All tributaries to St. Vrain Creek, including wetlands from Hygiene Road to the confluence with the South Platte River, except for specific listings in the Boulder Creek subbasin and in Segments 4a, 4b, 4c and 5.

Listed portion: **COSPSV06_C** Dry Creek and its tributaries, except for Little Dry Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

Listed portion: **COSPSV06_D** Little Dry Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

COSPSV07 7. Boulder Reservoir, Coot Lake, Left Hand Valley Reservoir and Spurgeon Reservoir.

Listed portion: **COSPSV07_B** Boulder Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPUS01a 1a. Mainstem of the South Platte River from the source of the South and Middle Forks to the inlet of Cheesman Reservoir.

Listed portion: **COSPUS01a_A** Mainstem of the South Platte River from the source of the South and Middle Forks to the Elevenmile Reservoir, except for the Middle Fork South Platte River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS01a_B** Middle Fork South Platte River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSPUS01a_C** South Platte River from the outlet of Elevenmile Reservoir to the Idlewilde picnic area

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS01a_D** South Fork of the South Platte from Antero Reservoir to the confluence with the Middle Fork of the South Platte. Was Listed incorrectly in Reg. 93 as COSPUS02a.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS01a_E** South Platte River from Idlewilde picnic area to Cheesman Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPUS01b 1b. All tributaries to the South Platte River, including wetlands within the Lost Creek and Mt. Evans Wilderness Areas.

Listed portion: **COSPUS01b_C** Hankins Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSPUS02a 2a. All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for specific listings in Segment 1b, 2b and 2c.

Listed portion: **COSPUS02a_B** Twin Creek, on USFS Land

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COSPUS02a_E** All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for Snyder Creek and for specific listings in Segment 1b, 2b and 2c.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSPUS02a_F** Snyder Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COSPUS02b 2b. Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.

Listed portion: **COSPUS02b_A** Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

COSPUS02c 2c. South Mosquito Creek from the source to confluence with Mosquito Creek and No Name Creek from the source to the confluence with South Mosquito Creek.

Listed portion: **COSPUS02c_A** No Name Creek from the source to the confluence with South Mosquito Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COSPUS02c_C** South Mosquito Creek from the London Mine to confluence with Mosquito Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COSPUS02c_D** South Mosquito Creek from the source to London Mine

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COSPUS03 3. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with Tarryall Creek to a point immediately above the confluence with the North Fork of the South Platte River, except for specific listings in Segment 1b.

Listed portion: **COSPUS03_B** Trout Creek and tributaries on USFS property

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSPUS03_C** Pine Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS03_D** Fourmile Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Mercury (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS03_E** Horse Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS03_F** West Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Mercury (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COSPUS03_G** Wigwam Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSPUS03_H** Goose Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COSPUS04 4. Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c.

Listed portion: **COSPUS04_C** Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with Sawmill Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Sediment	5. - 303(d)	H

Listed portion: **COSPUS04_E** Mainstem and tributaries of North Fork of the South Platte River, from Sawmill gulch to Geneva Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Sediment	5. - 303(d)	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	H
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

Listed portion: **COSPUS04_F** Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from Geneva Creek to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c. Excludes Hall Valley area to Geneva Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Recreational Use	E. coli	5. - 303(d)	H

COSPUS05b 5b. Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River; all tributaries of Geneva Creek including wetlands from source to confluence with the North Fork of the South Platte River.

Listed portion: **COSPUS05b_B** Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COSPUS05c 5c. Mainstem of Gooseberry Gulch and all tributaries from source to Sunset Trail.

Listed portion: **COSPUS05c_B** Unnamed Tributary to Gooseberry Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Ammonia	5. - 303(d)	M

COSPUS06a 6a. Mainstem of the South Platte River from the outlet of Cheesman Reservoir to the inlet of Chatfield Reservoir.

Listed portion: **COSPUS06a_A** Mainstem of the South Platte River from the Lazy Gulch to the inlet of Chatfield Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSPUS06a_B** South Platte River from outlet of Cheesman Reservoir to Lazy Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPUS06b 6b. Chatfield Reservoir

Listed portion: **COSPUS06b_A** Chatfield Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COSPUS07 7. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with the North Fork of the South Platte River to the outlet of Chatfield Reservoir except for specific listings in Segments 8, 9, 10, 11, 12, and 13.

Listed portion: **COSPUS07_B** Willow Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COSPUS09 9. Mainstem of Bear Creek, including all tributaries and wetlands from the source to the inlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir (Douglas County).

Listed portion: **COSPUS09_B** Mainstem of Bear Creek from the source to the inlet of Perry Park Reservoir (Douglas County).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

COSPUS10a 10a. Mainstems of East Plum Creek, West Plum Creek, and Plum Creek from the boundary of National Forest lands to Chatfield Reservoir, mainstems of Stark Creek and Gove Creek from the boundary of National Forest lands to their confluence.

Listed portion: **COSPUS10a_B** Mainstems of West Plum Creek from the boundary of National Forest lands to Chatfield Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COSPUS10a_C** Mainstems of East Plum Creek from the boundary of National Forest lands to Chatfield Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS10a_D** Mainstem of Plum Creek from the confluence with East and West Plum Creek to Chatfield Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	H

COSPUS11a 11a. All tributaries to the East Plum Creek system, including all wetlands which are not on national forest lands.

Listed portion: **COSPUS11a_A** All tributaries to the East Plum Creek system, including all wetlands which are not on national forest lands. Excludes Cook Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	pH	3b. - M&E list	NA

COSPUS11b 11b. All tributaries to the West Plum Creek system, including all wetlands, which are not on national forest lands, except for specific listings in Segments 9 and 12.

Listed portion: **COSPUS11b_B** Spring Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COSPUS12 12. Mainstem of Garber Creek and Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.

Listed portion: **COSPUS12_A** Mainstem of Garber Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COSPUS12_B** Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COSPUS14 14. Mainstem of the South Platte River from the outlet of Chatfield Reservoir to the Burlington Ditch diversion in Denver, Colorado.

Listed portion: **COSPUS14_B** Mainstem of the South Platte River from Bowles Ave. to the Burlington Ditch diversion in Denver, Colorado.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COSPUS14_C** Mainstem of the South Platte River from the outlet of Chatfield Reservoir to Bowles Ave.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Recreational Use	E. coli	5. - 303(d)	H

COSPUS15 15. Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado, to a point immediately below the confluence with Big Dry Creek.

Listed portion: **COSPUS15_B** Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado to Sand Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L
Water Supply Use	Cadmium (Total)	5. - 303(d)	L

Listed portion: **COSPUS15_C** Mainstem of the South Platte River from Sand Creek, to 180 meters below 120th Ave.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COSPUS15_D** Mainstem of the South Platte River from 180 meters below 120th Ave, to a point immediately below the confluence with Big Dry Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COSPUS16a 16a. Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.

Listed portion: **COSPUS16a_A** Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COSPUS16c 16c. All tributaries to the South Platte River, including all wetlands, from the outlet of Chatfield Reservoir, to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16a, 16d, 16e, 16f, 16g, 16h, 16i, 16j, and 16k.

Listed portion: **COSPUS16c_A** All tributaries to the South Platte River, including all wetlands, from the outlet of Chatfield Reservoir, to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16a, 16d, 16e, 16f, 16g, 16h, 16i, 16j, and 16k.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli (May-October)	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COSPUS16g 16g. Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.

Listed portion: **COSPUS16g_A** Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COSPUS16i 16i. Mainstem of Sand Creek from the confluence with Toll Gate Creek to the confluence with the South Platte River.

Listed portion: **COSPUS16i_A** Mainstem of Sand Creek from the confluence with Toll Gate Creek to the confluence with Westerly Creek

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COSPUS16i_B** Mainstem Sand Creek from the confluence with Westerly Creek to the confluence with the South Platte River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COSPUS17a 17a. Washington Park Lakes, City Park Lakes, Rocky Mountain Lake, Berkely Lake.

Listed portion: **COSPUS17a_B** Duck Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Ammonia	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

Listed portion: **COSPUS17a_C** Ferril Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

Listed portion: **COSPUS17a_D** Berkeley Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

Listed portion: **COSPUS17a_E** Rocky Mountain Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Aquatic Life Use	pH	5. - 303(d)	L

Listed portion: **COSPUS17a_F** Smith Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H

COSPUS17b 17b. Sloan's Lake.

Listed portion: **COSPUS17b_A** Sloan's Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COSPUS19 19. Lakes and reservoirs in the South Platte River system from headwaters to Chatfield Reservoir, except for specific listings in Segment 18. Includes Antero, Spinney Mountain, Elevenmile, Cheesman, and Strontia Springs.

Listed portion: **COSPUS19_B** Cheesman Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	3b. - M&E list	NA

COSPUS23 23. Lakes and reservoirs in watersheds tributary to the Upper South Platte River and within the City and County of Denver, except for specific listings in the other subbasins of the South Platte River and in Segments 17a and 17b..

Listed portion: **COSPUS23_B** Barnum Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	L

Listed portion: **COSPUS23_C** Vanderbilt Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

Listed portion: **COSPUS23_D** Garfield Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COSPUS23_E** Harvey Lake.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	M

Listed portion: **COSPUS23_F** Aqua Golf.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Ammonia	5. - 303(d)	M
Aquatic Life Use	pH	5. - 303(d)	M

Listed portion: **COSPUS23_G** Parkfield Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	M
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

Listed portion: **COSPUS23_H** Overland Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

Listed portion: **COSPUS23_I** Houston Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	M
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M

COUCBL01 1. Mainstem of the Blue River from the source to the confluence with French Gulch.

Listed portion: **COUCBL01_A** Mainstem of the Blue River from the source to the above the confluence with French Gulch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCBL02a 2a. Mainstem of the Blue River from the confluence with French Gulch to a point one half mile below Summit County Road 3.

Listed portion: **COUCBL02a_A** Blue River from South Barton Gulch to one half mile below Summit County Road 3

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Water Supply Use	Cadmium (Total)	5. - 303(d)	L
Aquatic Life Use	Nitrite	5. - 303(d)	H

Listed portion: **COUCBL02a_B** Blue River from the confluence with French Gulch to South Barton Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	L

COUCBL02b 2b. Mainstem of the Blue River from a point one half mile below Summit County Road 3 to the confluence with the Swan River.

Listed portion: **COUCBL02b_A** Mainstem of the Blue River from a point one half mile below Summit County Road 3 to the confluence with the Swan River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COUCBL02c 2c. Mainstem of the Blue River from the confluence with the Swan River to Dillon Reservoir.

Listed portion: **COUCBL02c_A** Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COUCBL04a 4a. All direct tributaries to Dillon Reservoir and all tributaries and wetlands in the Blue River drainage above Dillon Reservoir, except for specific listings in Segments 1, 2a, 2b, 4b, 5, 6, and 10-14.

Listed portion: **COUCBL04a_B** Gold Run Gulch below Jessie Mine

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCBL04a_C** Meadow Creek and its tributaries not in the wilderness

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COUCBL04a_D** Mainstem of Soda Creek from the source to Dillon Reservoir.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COUCBL06a 6a. Mainstem of the Snake River, including all tributaries and wetlands from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8 and 9.

Listed portion: **COUCBL06a_B** Mainstem of the Snake River from the source to Dillon Reservoir, including Saint John Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

Listed portion: **COUCBL06a_C** All tributaries and wetlands of the Snake River from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8, 9, and Saint John Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

COUCBL07 7. Mainstem of Peru Creek, including all tributaries and wetlands from the source to the confluence with the Snake River, except for specific listing in Segment 8.

Listed portion: **COUCBL07_A** Mainstem of Peru Creek, including all tributaries and wetlands from the source to the confluence with the Snake River, except for specific listings in Segment 8.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COUCBL12 12. Mainstem of Illinois Gulch and Fredonia Gulch from their source to their confluence with the Blue River.

Listed portion: **COUCBL12_B** Mainstem of Illinois Gulch from its source to their confluence with the Blue River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	M

Listed portion: **COUCBL12_C** Mainstem of Fredonia Gulch from its source to their confluence with the Blue River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	M

COUCBL17 17. Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.

Listed portion: **COUCBL17_A** Blue River from outlet of Dillon Reservoir to Green Mountain Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCBL17_B** Blue River from Green Mountain Reservoir to confluence with Colorado River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCBL18 18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listing in Segment 16.

Listed portion: **COUCBL18_B** Straight Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COUCBL20 20. Mainstems of Elliot Creek and Spruce Creek including all tributaries and wetlands, from their sources to the confluence with the Blue River.

Listed portion: **COUCBL20_B** Spruce Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCEA02 2. Mainstem of the Eagle River from the source to the compressor house bridge at Belden.

Listed portion: **COUCEA02_B** Mainstem of the Eagle River from the source to Peterson Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCEA02_C** Eagle River Below Peterson Creek to compressor house bridge at Belden

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCEA03 3. All tributaries to the Eagle River, including wetlands, from the source to the compressor house bridge at Belden, except for the specific listing in Segment 4 and those waters included in Segment 1.

Listed portion: **COUCEA03_A** All tributaries to the Eagle River, including wetlands, from the source to the compressor house bridge at Belden, except for the specific listing in Segment 4 and those waters included in Segment 1.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCEA05a 5a Mainstem of the Eagle River from the compressor house bridge at Belden to a point immediately above the Highway 24 Bridge near Tigiwon Road.

Listed portion: **COUCEA05a_B** Mainstem of the Eagle River from the compressor house bridge in Belden to a point located 600 ft upstream of Rock Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCEA05a_C** Mainstem of the Eagle River a point located 600 ft upstream of Rock Creek to a point immediately above the Highway 24 Bridge near Tigiwon Road.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCEA05b 5b. Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road to a point immediately above the confluence with Martin Creek.

Listed portion: **COUCEA05b_A** Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691) to a point immediately above the confluence with Martin Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCEA05c 5c. Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.

Listed portion: **COUCEA05c_A** Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	H

COUCEA06 6. All tributaries to the Eagle River, including all wetlands, from the compressor house bridge at Belden to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.

Listed portion: **COUCEA06_C** Lake Creek from below the confluence with East and West Lake Creek to the mouth

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COUCEA06_D** Beaver Creek from confluence with Wayne Creek to Mouth

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COUCEA06_E** Red Sandstone Creek from USFS Boundary to north side I-70 Frontage Road

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCEA06_F** Red Sandstone Creek from north side I-70 Frontage Road to confluence with Gore Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

Listed portion: **COUCEA06_G** Black Gore Creek, below Miller Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Sediment	5. - 303(d)	H

Listed portion: **COUCEA06_H** Black Gore Creek adjacent to I-70 above Miller Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COUCEA06_I** Rock Creek from the source to the confluence with the Eagle River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	H

Listed portion: **COUCEA06_J** All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8. With other exceptions to Black Gore and Rock Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCEA07a 7a. Mainstem of Cross Creek from the source to a point immediately below the Minturn Middle School, except for those waters included in Segment 1.

Listed portion: **COUCEA07a_A** Mainstem of Cross Creek from the source to a point immediately below the Minturn Middle School, except for those waters included in Segment 1.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

COUCEA08 8. Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.

Listed portion: **COUCEA08_A** Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCEA09a 9a. Mainstem of the Eagle River from Gore Creek to a point immediately below the confluence withSquaw Creek.

Listed portion: **COUCEA09a_A** Eagle River from Gore Creek to confluence with Berry Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCEA09a_B** Eagle River from confluence with Berry Creek to confluence with Squaw Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCEA09b 9b. Mainstem of the Eagle River from a point immediately below the confluence with Squaw Creek to a point immediately below the confluence with Rube Creek.

Listed portion: **COUCEA09b_B** Eagle River from Squaw Creek to Ute Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCEA09b_C** Eagle River from Ute Creek to Rube Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCEA09c 9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.

Listed portion: **COUCEA09c_B** Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to Warren Gulch (39.6785, -106.7645).

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Nitrite	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCEA09c_C** Mainstem of the Eagle River from a point immediately below the confluence with Warren Gulch (39.6785, -106.7645) to the confluence with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Nitrite	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCEA10a 10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.

Listed portion: **COUCEA10a_A** All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

Listed portion: **COUCEA10a_B** Eby Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Sulfate	5. - 303(d)	L

COUCEA12 12. Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks.

Listed portion: **COUCEA12_A** Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

COUCNP01 1. All tributaries to the North Platte and Encampment Rivers, including all wetlands, within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.

Listed portion: **COUCNP01_B** South Fork Big Creek and tributaries from source to the wilderness boundary

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCNP03 3. Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.

Listed portion: **COUCNP03_A** Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA

COUCNP04a 4a. All tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segments 1, 4b, 5a, 5b, 6, 7a and 7b.

Listed portion: **COUCNP04a_A** Tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries in Segments 1, 4b, 5a, 5b, 6, 7a and 7b, and except the Canadian and Illinois rivers and their tributaries as well as Grizzly, Little Grizzly, Lake, South Fork Big, Snyder, and North Sand creeks and their tributaries.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCNP04a_B** Canadian River and tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

Listed portion: **COUCNP04a_C** Grizzly Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCNP04a_D** Little Grizzly Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCNP04a_E** Lake Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Temperature	3b. - M&E list	NA

Listed portion: **COUCNP04a_F** Illinois River and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

Listed portion: **COUCNP04a_G** South Fork Big Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCNP04a_H** Snyder Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

Listed portion: **COUCNP04a_I** North Sand Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Beneficial Use	Sediment	5. - 303(d)	H

COUCNP04b 4b. Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River except for specific listings in Segments 7a and 7b. Mainstem of the Canadian River below 12E Road to the confluence with the North Platte River. All tributaries which enter the mainstem of the Canadian River from the southwest side of the mainstem.

Listed portion: **COUCNP04b_B** Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River, except for specific listings in Segment 7a and 7b.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	H

COUCNP05a 5a. Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.

Listed portion: **COUCNP05a_A** Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COUCNP05b 5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.

Listed portion: **COUCNP05b_A** Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

COUCNP07b 7b. Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.

Listed portion: **COUCNP07b_A** Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	M
Aquatic Life Use	pH	5. - 303(d)	M

COUCNP09 9. All lakes and reservoirs tributary to the North Platte and Encampment Rivers except for specific listings in Segment 8.

Listed portion: **COUCNP09_B** Big Creek Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCNP09_C** North Delaney Lake

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCNP09_D** Lake John

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCNP09_E** South Delaney Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COUCRF02 2. Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.

Listed portion: **COUCRF02_A** Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

COUCRF03a 3a. Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b.

Listed portion: **COUCRF03a_B** Roaring Fork from confluence with Hunter Creek to the confluence of Trentaz Gulch

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCRF03a_C** West Sopris Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCRF03a_D** Capitol Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCRF03a_E** Cattle Creek from Fisher Creek to Mouth

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCRF03a_F** Mainstem of the Roaring Fork River, from a point immediately below the confluence with Trentaz Gulch, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b, West Sopris, Capital, Roaring Fork, Cattle Creek, and Three Mile Creek Portions.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCRF03a_G** Three Mile Creek, including all tributaries, from the source to the Roaring Fork River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA

COUCRF03b 3b. Mainstem of Red Canyon and all tributaries and wetlands from the source to the confluence with the Roaring Fork River, except for Landis Creek from its source to the Hopkins Ditch Diversion.

Listed portion: **COUCRF03b_B** Landis Creek from the Hopkins Ditch (39.522138, -107.223479) to its confluence with Red Canyon

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA

COUCRF03c 3c. Mainstem of the Roaring Fork River from a point immediately below the confluence with the Fryingpan River to the confluence with the Colorado River.

Listed portion: **COUCRF03c_B** Roaring Fork below the confluence with the Crystal River to the mouth

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCRF03c_C** Roaring Fork River from the Fryingpan River to the Crystal River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COUCRF03d 3d. Mainstem of Cattle Creek, including all tributaries and wetlands, from the source to the most downstream White River National Forest boundary.

Listed portion: **COUCRF03d_B** Cattle Creek from Bowers Gulch to most downstream White River NF boundary

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	L

COUCRF07 7. All tributaries to the Fryingpan River, including all wetlands, except for those tributaries included in Segment 1.

Listed portion: **COUCRF07_B** South Fork Frying Pan River from transbasin diversion to confluence with unnamed tributary (39.251280N, -106.594420W)

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	H

COUCRF12 12. All lakes and reservoirs tributary to the Roaring Fork River except for specific listings in Segment 11.

Listed portion: **COUCRF12_C** Ruedi Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCUC01 1. Mainstem of the Colorado River, including all tributaries and wetlands, within Rocky Mountain National Park, or which flow into Rocky Mountain National Park.

Listed portion: **COUCUC01_A** Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Rocky Mountain National Park.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COUCUC02 2. Mainstem of the Colorado River, including all tributaries and wetlands within, or flowing into Arapahoe National Recreation Area.

Listed portion: **COUCUC02_C** Colorado River from Shadow Mountain Reservoir to Granby Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCUC02_D** Mainstem of Colorado River from the North Inlet to Grand Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COUCUC02_E** Mainstem of East Inlet

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COUCUC02_I** Arapaho Creek downstream of Monarch Lake.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCUC02_L** Stillwater Creek, includings its tributaries and wetlands, within or flowing into Arapaho Recreation Area.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L
Aquatic Life Use	Temperature	5. - 303(d)	H

COUCUC03 3. Mainstem of the Colorado River from the outlet of Lake Granby to the confluence with Roaring Fork River.

Listed portion: **COUCUC03_A** Colorado River from outlet of Lake Granby to Windy Gap Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCUC03_B** Colorado River from Windy Gap Reservoir to 578 Road Bridge

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCUC03_C** Colorado River from 578 Road Bridge to Gore Canyon

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCUC03_D** Colorado River from Gore Canyon to Derby Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

Listed portion: **COUCUC03_E** Colorado River from Derby Creek to below the confluence with the Roaring Fork River

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H

COUCUC04 4. All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to the confluence with the Roaring Fork River, which are on National Forest lands, except for those tributaries included in Segments 1 and 2, and specific listings in Segments 8, 9 and 10a.

Listed portion: **COUCUC04_B** Red Dirt Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COUCUC05 5. Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence with the Colorado River.

Listed portion: **COUCUC05_B** Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence of with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COUCUC06b 6b. Mainstem of un-named tributary to Willow Creek from the headwaters to the confluence with Willow Creek (40.131422, -105.920895).

Listed portion: **COUCUC06b_A** Mainstem of un-named tributary from the headwaters to Willow Creek Reservoir Road.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA
Aquatic Life Use	Nitrite	5. - 303(d)	M

COUCUC07a 7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c and in the Blue River, Eagle River, and Roaring Fork River basins.

Listed portion: **COUCUC07a_C** Mainstem of Muddy Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCUC07b 7b. All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River. Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek, Pinery River, and Blacktail Creek, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest lands.

Listed portion: **COUCUC07b_A** Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek and Piney River, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest Lands.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCUC07b_D** All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River, except Alkali Slough and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Sulfate	3b. - M&E list	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	NA

Listed portion: **COUCUC07b_E** Alkali Slough and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	5. - 303(d)	L
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L
Water Supply Use	Sulfate	5. - 303(d)	L

COUCUC07c 7c. Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch as well as all tributaries to and wetlands of Muddy Creek from the source to the outlet of Wolford Mountain Reservoir, except for listings in Segment 4. The mainstems of Derby, Blacktail, Cabin, and Red Dirt Creeks (all below Wolford Mountain Reservoir), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except for listings in Segment 4.

Listed portion: **COUCUC07c_B** Diamond Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COUCUC07d 7d. Mainstem of Muddy Creek from the outlet of Wolford Moutnain Reservoir to above the Highway 40 Bridge in Kremmling (40.060574, -106.398739).

Listed portion: **COUCUC07d_A** Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to Cow Gulch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCUC07d_B** Mainstem of Muddy Creek from Cow Gulch to the Highway 40 Bridge in Kremmling (40.060574, -106.398739).

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	L

COUCUC07e 7e. Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.

Listed portion: **COUCUC07e_A** Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H

COUCUC08 8. Mainstem of the Williams Fork River, including all tributaries and wetlands from the source to the confluence with the Colorado River, except for those tributaries listed in Segment 9.

Listed portion: **COUCUC08_B** Mainstem of Williams Fork River below Kinney Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCUC08_C** Ute Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	H

COUCUC09 9. All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers, Vasquez, Eagles Nest and Flat Tops Wilderness Areas.

Listed portion: **COUCUC09_B** Roaring Fork Arapahoe Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

COUCUC10a 10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge. All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segment 9.

Listed portion: **COUCUC10a_B** Ranch Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	L

Listed portion: **COUCUC10a_D** Vasquez Creek and its tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	L
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

Listed portion: **COUCUC10a_E** Mainstem of Fraser River from source to Leland Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	H

COUCUC10c 10c. Mainstem of the Fraser River from a point immediately below the Hammond Ditch to the confluence with the Colorado River.

Listed portion: **COUCUC10c_A** Fraser River from below the Hammond No 1 Ditch in Town of Fraser (39.952113, -105.814481) to Fraser Canyon near Tabernash.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	pH	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCUC10c_B** Fraser River from Fraser Canyon near Tabernash to the Town of Granby

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCUC10c_C** From the Town of Granby to confluence with the Colorado River

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCUC12 12. Lakes and reservoirs within Arapahoe National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.

Listed portion: **COUCUC12_B** Shadow Mountain Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCUC12_C** Lake Granby

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCUC12_D** Willow Creek Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCUC13 13. All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately below the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue and Eagle River subbasins.

Listed portion: **COUCUC13_C** Wolford Mountain Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCUC13_D** Williams Fork Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

COUCYA02a 2a. Mainstem of the Yampa River from the confluence with Wheeler Creek to a point immediately above the confluence with Oak Creek.

Listed portion: **COUCYA02a_A** Yampa River above Stagecoach Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

Listed portion: **COUCYA02a_B** Yampa River from Stagecoach Reservoir to above confluence with Oak Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCYA02b 2b. Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.

Listed portion: **COUCYA02b_A** Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCYA03 3. All tributaries to the Yampa River, including all wetlands, from the source to the confluence with Elk River, except for specific listings in Segments 4-8, 13a-f and 19. Mainstem of the Bear River, including all tributaries and wetlands from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.

Listed portion: **COUCYA03_A** Tributaries to Yampa River except, except for specific listings in Segments 4-8, 13a-f and 19. Mainstem of the Bear River, including all tributaries and wetlands from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River. Also excludes Bushy Creek, Mainstem of Walton Creek, Little Morrison Creek, and Gunn Creek.

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA

Listed portion: **COUCYA03_B** Bushy Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	L

Listed portion: **COUCYA03_D** Little Morrison Creek

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCYA03_E** Gunn Creek

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCYA04 4. Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.

Listed portion: **COUCYA04_A** Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	NA

COUCYA08 8. Mainstem of the Elk River including, all tributaries and wetlands, from the source to the confluence with the Yampa River, except for those tributaries included in Segments 1, 20a and 20b.

Listed portion: **COUCYA08_B** Mainstem of the Elk River, including all tributaries and wetlands, below Morin Ditch to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	5. - 303(d)	H

Listed portion: **COUCYA08_C** Lost Dog Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Water Supply Use	Mercury (Dissolved)	3b. - M&E list	NA

COUCYA13b 13b. Mainstem of Foidel Creek, including all tributaries and wetlands. Mainstem Fish Creek, including all tributaries from County Road 27 downstream to the confluence with Trout Creek, except for specific listings in Segment 13g. Middle Creek and all tributaries, from County Road 27 downstream to the confluence with Trout Creek.

Listed portion: **COUCYA13b_B** Fish Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Recreational Use	E. coli	3b. - M&E list	NA

Listed portion: **COUCYA13b_C** Foidel Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	H
Aquatic Life Use	Macroinvertebrates	5. - 303(d)	H

Listed portion: **COUCYA13b_D** Middle Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Sediment	5. - 303(d)	H

COUCYA13d 13d. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to just above the confluence with Temple Gulch.

Listed portion: **COUCYA13d_A** Mainstem of Dry Creek, including all tributaries and wetlands,from source to above the confluence with Temple Gulch.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	L

Listed portion: **COUCYA13d_B** Dry Creek from Seneca sample location 8 (WSD5) to above Temple Gulch

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	L

COUCYA13e 13e. Mainstem of Sage Creek, including all tributaries and wetlands, from its sources to the confluence with the Yampa River.

Listed portion: **COUCYA13e_A** Mainstem of Sage Creek, including all tributaries and wetlands,from the source to above Routt County Road 51D, Grassy Creek and tributaries

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Temperature	3b. - M&E list	NA
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	NA

Listed portion: **COUCYA13e_B** Sage Creek and tributaries below Routt County Road 51D to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	L

COUCYA13h 13h. Mainstem of Dry Creek, including all tributaries and wetlands, from the confluence with Temple Gulch to the confluence with the Yampa River near Hayden.

Listed portion: **COUCYA13h_A** Mainstem of Dry Creek, (near Hayden), including all tributaries and wetlands, from Routt County Road 53 to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	M

COUCYA13j 13j. Mainstem of Grassy Creek, including all tributaries and wetlands, from the confluence with Scotchmans Gulch to the confluence with the Yampa River near Hayden.

Listed portion: **COUCYA13j_A** Mainstem of Grassy Creek, (near Hayden), including all tributaries and wetlands, from above the confluence with Scotchmans Gulch to the confluence with the Yampa River.

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	NA

COUCYA15 15. Mainstem of Elkhead Creek, including all tributaries and wetlands, from a point immediately below the confluence with Calf Creek to the confluence with the Yampa River. Dry Fork of Elkhead Creek, including all tributaries and wetlands, from a point immediately below 80A Road to the confluence with the Yampa River.

Listed portion: **COUCYA15_B** Mainstem of Elkhead Creek from Calf Creek to Yampa River

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCYA18 18. Mainstem of the Little Snake River, including all tributaries and wetlands, from the Routt National Forest boundary to the Colorado/Wyoming border.

Listed portion: **COUCYA18_A** Little Snake River including all tributaries and wetlands from forest boundary to Wyoming border, except for the South Fork of the Little Snake River

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA

Listed portion: **COUCYA18_B** South Fork of Little Snake River and its tributaries

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	L

COUCYA22 22. All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River, except for specific listings in Segment 23. All lakes and reservoirs tributary to the Little Snake River, including those on National Forest lands.

Listed portion: **COUCYA22_B** Catamount Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

Listed portion: **COUCYA22_D** Pearl Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

Listed portion: **COUCYA22_E** Steamboat Lake

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Temperature	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H
Water Supply Use	Iron (Dissolved)	5. - 303(d)	L

Listed portion: **COUCYA22_F** Stagecoach Reservoir

Affected Use	Analyte	Category / List	Priority
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	H

COUCYA23 23. Elkhead Reservoir

Listed portion: **COUCYA23_A** Elkhead Reservoir

Affected Use	Analyte	Category / List	Priority
Water Supply Use	Arsenic (Total)	3b. - M&E list	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	NA
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	H

93.4 Impaired Water Bodies with Approved TMDLs and 4b Plans

Impaired water bodies identified below are not yet attaining water quality standards. Water quality improvement is expected to occur through implementation of either a TMDL or 4b plan.

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COARMA04a	Mainstem of Wildhorse Creek from source to confluence with the Arkansas river	*E. coli*		10/24/2018
COARMA18a	Mainstem of Boggs Creek from the source to Pueblo Reservoir.	Se, U		3/18/2016
COARUA01a	(McNasser Gulch, South Fork of Lake Creek, and Sayres Gulch) within Mount Massive and Collegiate Peaks Wilderness areas.	Al, Cd, Cu, Zn, pH		6/14/2009
COARUA01a	(Graham Gulch, Mountain Boy Gulch, and North Fork of Lake Creek) within Mount Massive and Collegiate Peaks Wilderness areas.	Cu		11/30/2010
COARUA01b	E. Fork Arkansas River above Birdseye Gulch	Pb, Zn		2/17/2004
COARUA02a	Arkansas River, Birdseye Gulch to California Gulch	Zn		6/14/2009
COARUA02b	Arkansas River above Lake Fork	Cd, Zn		6/14/2009
COARUA02c	Arkansas River, Lake Fork to Lake Creek	Cd, Zn		6/14/2009
COARUA03	Arkansas River, Lake Creek to the Chaffee/Fremont County line.	Cd, Zn		6/14/2009
COARUA04a	Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.	Cd, Zn		6/14/2009

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COARUA04b	Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.	Cd, Zn		6/14/2009
COARUA05	Halfmoon Creek	Cd, Pb		6/14/2009
COARUA07	Evans Gulch	Zn		6/14/2009
COARUA08b	Iowa Gulch	Cd, Pb, Zn		10/26/2012
COARUA10	Lake Creek	Cu		11/30/2010
COARUA11	Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.	Al, Cd, Cu, Zn, pH		6/14/2009
COARUA12a	Chalk Creek	Pb, Zn		6/14/2009
COGULG01	Gunnison River below N. Fork	Se		2/14/2011
COGULG02	Gunnison River	Se		2/14/2011
COGULG04a	Gunnison River tributaries	Se		2/14/2011
COGULG04b	Mainstem of Kannah Creek. All tributaries to Reeder, Hollenbeck and Juniata Reservoirs	Se		2/14/2011
COGULG04c	Red Rock Creek	Se		2/14/2011
COGULG09	Fruitgrowers Reservoir	DO		2/14/2013
COGUNF03	Lower N. Fork Gunnison River	Se		2/14/2011
COGUNF05a	Leroux Creek, Jay Creek	Se		2/14/2011
COGUNF06b	Short Draw, Cottonwood Creek	Se		2/14/2011
COGUSM03a	San Miguel River below Idarado	Zn		9/17/2008
COGUSM03a	San Miguel River below Idarado	Cd		8/3/2010
COGUSM03b	San Miguel River, Marshall Creek to South Fork San Miguel River	Cd, Zn		9/17/2008
COGUSM03b	San Miguel River below Idarado	sediment		8/3/2010
COGUSM06a	Ingram Creek	Zn		9/17/2008
COGUSM06a	Ingram Creek	Cd		8/3/2010
COGUSM06b	Marshall Creek	Zn		9/17/2008

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COGUSM06b	Marshall Creek	Cd		8/3/2010
COGUUG30	Henson Creek	Cd, Zn		7/29/2010
COGUUG31	Palmetto Gulch	Cd, Zn		6/15/2010
COGUUN02	Uncompahgre River, source to Red Mountain Creek	Cd, Cu, Zn		1/5/2010
COGUUN03a, b, c, d, e	Uncompahgre River, Red Mountain Creek to Montrose	Cd, Cu, Fe (trec)		1/5/2010
COGUUN04b, c	Uncompahgre River, Delta to Colorado River	Se		2/14/2011
COGUUN06a	Red Mountain Creek, source to East Fork Red Mountain Creek	Zn(sc)		1/5/2010
COGUUN12	Uncompahgre River tributaries	Se		2/14/2011
CORGAL03a	Alamosa River, Alum Creek to Wightman Fork	Al, Cu, Zn pH		9/21/2007
CORGAL03b	Alamosa River, Wightman Fork to Fern Creek	Al, Cu, Zn, pH		9/21/2007
CORGAL03c	Alamosa River, Fern Creek to Ranger Creek	Al, Cu, Zn, pH		9/21/2007
CORGAL03d	Alamosa River, Ranger Creek to Terrace Reservoir	Cu, Zn, pH		9/21/2007
CORGAL05	Wightman Fork above Summitville	pH		9/21/2007
CORGAL08	Terrace Reservoir	Cu		9/21/2007
CORGAL08	Terrace Reservoir	Fe(Trec)		2/14/2013
CORGAL09	Alamosa River, Terrace Reservoir to Hwy 15	Cu		9/21/2007
CORGCB08	Mainstem of Brewery Creek from source to Kerber Creek, and the mainstem of Elkhorn Gulch. Mainstem of Kerber Creek, including all tributaries and wetlands from the source to a point immediately above the Cocomongo Mill site. Mainstem of Squirrel Creek from the source to immediately above Bear Creek.	Ag, Cd, Pb		9/17/2008

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
CORGCB09a	Kerber Creek above Brewery Creek	Ag, Cd, Pb		9/17/2008
CORGCB09b	Kerber Creek, Brewery Creek to San Luis Creek	Cd, Cu, Zn		9/17/2008
CORGRG04a, b	Rio Grande River below Willow Creek	Cd, Zn		9/23/2008
CORGRG37	Sanchez Reservoir	Hg		9/29/2008
COSJAF02	Animas River & tributaries, Denver Lake to Maggie Gulch	Al, Cd, Cu, Fe, Pb		12/6/2002
COSJAF03b	Animas River, Cement Creek to Mineral Creek	Al, Cd, Cu, Fe, Pb		12/6/2002
COSJAF04a	Animas River, Mineral Creek to Elk Creek	pH, Cu, Fe, Zn		12/6/2002
COSJAF04b	Animas River, Elk Creek to Junction Creek	Zn		12/6/2002
COSJAF05a	Mainstem of the Animas River, including wetlands, from Bakers Bridge to Dry Gulch.	Zn		12/6/2002
COSJAF06	Middle Fork of Mineral Creek, Mill Creek, Porohyry Gulch, and Big Horn Gulch	Al, Cd, Cu, Pb, Fe		12/6/2002
COSJAF07	Cement Creek, source to Animas River	Al, Cd, Cu, Pb, Fe		12/6/2002
COSJAF08	Mineral Creek, source to South Mineral Creek	Al, Cd, Cu, Pb, Fe		12/6/2002
COSJAF09	Mineral Creek, South Mineral Creek to Animas River	pH, Cu, Fe, Zn		12/6/2002
COSJDO04b	McPhee Reservoir	Hg (Phase 1)		2/14/2004
COSJDO09	Silver Creek from Rico's diversion to Dolores River	Zn, Cd		8/22/2008
COSJLP04a	Box Canyon Creek	sediment		8/30/2000
COSJLP04a	East Fork Mancos River	Cu, Mn		7/27/2012
COSJLP11	Narraquinnep Reservoir	Hg (Phase 1)		2/14/2004
COSPBD01	Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River	E.coli		9/28/2016
COSPBO02b	Boulder Creek	E. coli		9/27/2011
COSPBO04a	Gamble Gulch	Cu, Zn, pH		6/30/2009

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COSPBO04a	Gamble Gulch	Cd, Zn		8/12/2010
COSPBO09	Boulder Creek, South Boulder Creek to Coal Creek	NH3		7/14/2003
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	NH3		7/14/2003
COSPCL02a, b, c	Clear Creek, Silver Plume to Argo Tunnel	Cu, Pb, Zn		9/18/2008
COSPCL03a	Lower Cabin Creek Reservoir to Clear Creek		Aquatic Life	1/11/2016
COSPCL03a	South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake	Zn		9/18/2008
COSPCL03b	Leavenworth Creek	Pb, Zn		9/18/2008
COSPCL09a	Fall River	Cu		9/18/2008
COSPCL09b	Trail Creek	Cd, Cu, Pb, Zn		9/18/2008
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	Cd, Pb, Zn		9/18/2008
COSPCL13b	North Fork Clear Creek	Cd, Fe, Mn, Zn		9/18/2008
COSPCP07	North Fork Cache la Poudre River, Hall Reservoir to Cache la Poudre River	sediment		7/25/2002
COSPMS01a	South Platte River from Big Dry Creek to St. Vrain Creek		Ammonia & Nitrate	8/20/2009
COSPMS04	Barr Lake, Milton Reservoir	DO, pH		6/27/2013
COSPSV03	St. Vrain Creek, Hygiene Road to South Platte River	NH3		7/14/2003
COSPSV04a	Left Hand Creek Hyw 72 to James Ck	Cd, Cu, Zn, pH		9//1/2015
COSPSV04b	Little James Creek	Cd, Fe, Mn, Zn, pH		7/17/2002
COSPSV04b	James Creek	Cd, Cu, Pb, Zn		9//1/2015
COSPSV04b	Little James Creek	Cd, Cu, Pb, Zn, pH		9//1/2015
COSPSV04c	Left Hand Creek below James Creek	Cu		9//1/2015

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COSPUS01a	South Platte River, source to North Fork South Platte River	sediment		7/22/2002
COSPUS02b	Mosquito Creek	Cd, Pb, Zn		8/11/2000
COSPUS02c	South Mosquito Creek	Cd, Fe, Mn, Zn		8/11/2000
COSPUS04	Hall Valley to Geneva Creek	Cu		9/17/2008
COSPUS05a	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		9/20/2010
COSPUS05b	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		9/20/2010
COSPUS05b	Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	Cu, Zn		8/22/2008
COSPUS14	South Platte River, Bowles Avenue to Burlington Ditch	NO3		6/4/2004
COSPUS14	S. Platte River, Bowles Ave. to Burlington Ditch	*E. coli*		10/30/2007
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek		Ammonia & Nitrate	8/20/2009
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	E. coli		2/16/2016
COSPUS15	South Platte River, Burlington Ditch to Big Dry Creek	Cd		9/8/2006
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	DO		7/30/2000
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	Cd		7/19/2011
COUCBL06a	Snake River, source to Dillon Reservoir	Cd, Cu, Pb, Zn, pH		9/23/2008
COUCBL07	Peru Creek	Cd, Cu, Pb, Zn, pH, Mn		9/23/2008
COUCBL12	Illinois Gulch	Zn		2/1/2010
COUCBL12	Illinois Gulch	Cd		6/13/2011
COUCBL18	Straight Creek	sediment		8/11/2000
COUCEA05a, b, c	Eagle River, Belden to Gore Creek	Cu, Zn		8/31/2009
COUCEA07b	Cross Creek, source to Eagle River	Cu, Zn		8/31/2009

93.4 Impaired Water Bodies with Approved TMDLs or 4b Plans				
WBID	**Segment Description**	**Approved TMDL Parameters**	**Category 4b Parameter(s)**	**Approval Date**
COUCUC06c	Un-named tributary to Willow Creek	NH3		7/30/2000

93.5 - 93.9 Reserved

93.10 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; MARCH, 2004 RULEMAKING

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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 (303(d) List)

A. Introduction

This regulation establishes Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs"). This list was prepared to fulfill section 303(d) of the federal Clean Water Act ("Act") which requires that states submit to the U.S. Environmental Protection Agency ("EPA") a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

Once listed, the State is required to prioritize these water bodies or segments (rivers, streams, lakes reservoirs) based on the severity of pollution and other factors. It will then determine the causes of the water quality problem and allocate the responsibility for controlling the pollution. This analysis is called the TMDL Process, and results in the determination of: 1) the amount of a specific pollutant that a segment can receive without exceeding a water quality standard (the TMDL), and 2) the apportionment to the different contributing sources of the pollutant loading (the allocation). The TMDL must include a margin of safety, waste load allocation (for point sources) and a load allocation (for non-point sources and natural background). The TMDL must include upstream loads in the assessment and apportionment process.

B. List Development

1. Listing Methodology

The "Section 303(d) Listing Methodology - 2004 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission administrative action hearing on September 9, 2003.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2004 Section 303(d) List and the 2004 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

2. Information Considered

The Commission has considered all existing and readily available information in developing the 2004 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the Division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The Division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2004 listing decisions. Such information will be considered in the next listing cycle.

C. Prioritization

The objective of prioritization is to identify those waterbody segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV. of the 2004 Section 303(d) Listing Methodology. Segments/parameters where the Commission determined that an appropriate plan is in place to resolve the uncertainty as specified in section 93.4 have been denoted as "L*". A Low priority may also be assigned to other segments as per section IV.

D. Discussion of Issues Raised in the Hearing

During the course of the hearing, the status of approximately 30 segments was debated. The basis for the Commission's decisions regarding the major issues for these segments is recorded below.

1. Selenium: Several parties questioned whether selenium, where the source is underlying native shale, should be considered a pollutant. The Commission found that selenium, like many other naturally occurring metals in Colorado is a pollutant and is classified as such on EPA's list of priority toxic pollutants (62 FR 42160). If the source of impairment is natural, that is grounds for consideration of an ambient quality-based, site-specific standard as described in Regulation No. 31 at 31.7 1(b)(ii). However, the listing decisions must be made based upon a comparison of the current adopted standard and the ambient condition for the segment. Although parties to the rulemaking submitted testimony questioning the decision to list several specific segments for selenium, such as Lower Colorado River segment 3 and Lower Arkansas River segment 1a, the evidence provided was directed largely at questioning the appropriateness of the current selenium standards. The Commission has determined, based on the evidence submitted, that these segments are not in attainment of the current selenium standards.

2. Segments where there is no new data, but following the 2004 Listing Methodology resulted in a different conclusion than in 2002: The following segments had no new data included in the assessments since the 2002 listing cycle. However, clarification and changes in the 2004 Listing Methodology resulted in the segments moving from the Monitoring and Evaluation List to the 303(d) List. The modifications that resulted in the most changes had to do with more clearly specifying that segments with small datasets where the ambient condition exceeds the standard by more than 50 percent should be listed. The following segments were affected:

Gunnison River Basin: Lower Gunnison segment 27

Uncompahgre segment 2

Lower Colorado River Basin: White River segment 9b

3. Segments with multiple tributaries: Issues were raised regarding what is the appropriate way to handle segments with multiple tributaries where there is evidence of impairment. The Commission found that since segments are generally treated as having consistent uses and characteristics, their impairment should be handled in a similar fashion. Unless either water quality data or other evidence has been presented that shows that the impairment is not present in the entire segment, the entire segment has been listed as impaired. "Other evidence" may include changes in geology within a segment or the confluence with a stream known to be impaired. Nevertheless, it is anticipated that before any TMDL is developed and implemented in "all tributary" segments, work will be performed to determine the causes and locations of the impairment, such that efforts and controls are not inappropriately directed towards individual tributaries that are not truly of concern, and the Section 303(d) List can be modified accordingly. Where other evidence shows that some portions are in exceedance and other portions are not, only the impaired portion needs to be listed. The following segments were listed based on this rationale:

Gunnison River Basin: Lower Gunnison segments 4a and 4b

North Fork segments 5 and 6

Lower Colorado River Basin: Lower Colorado segment 4a

E. Segment- Specific Issues

1. San Juan Basin, Dolores River below McPhee Reservoir: Despite a recent decline in the fish population in this reach, the Commission found that there was not adequate readily available evidence to conclude that there exists an impairment of the aquatic life use due to other than extraordinary events associated with the long-term drought that has existed in southwest Colorado for several years. In view of evolving operations of McPhee Reservoir and varying (and generally declining) hydrologic conditions, the Commission is not able at this time to identify an "expected condition" upon which to base a decision of impairment. Further, even if an impairment caused by other than the extraordinary events associated with the drought were found to exist, the Commission could not conclude based on this record that the decline was due to a "pollutant" as compared to "pollution." Nevertheless, the Commission encourages cooperation by all interested parties in the implementation of habitat improvement measures that may serve to enhance the quality of the fishery in the reach. The Commission is prepared to revisit the concept of "expected condition" as it applies to this reach should that be warranted by changes in habitat condition. Certainly the achievement of goals set under the 1996 Operating Agreement for McPhee Reservoir may influence the nature of the expected condition. Finally, any evidence of impairment due to pollutants can be brought forth at the next listing hearing.

2. South Platte Basin, Clear Creek, segments 14b and 15: Available data, with specific reference to biological information on fish species collected over time and visual observations of the physical condition of the stream bed, provide an indication of "use-impairment" for Clear Creek Segments 14b and 15 relative to aquatic life. Though organic sediment appears to be a significant contributor to the impairment, the exact interaction of potentially numerous causative factors need to be further explored. No single source or cause of the impairment has been identified to date. Coors Brewing Company has voluntarily come forward with a study plan for segments 14a, 14b and 15 as part of the "pilot study" approach outlined in the section 309 study report recently submitted to the State Legislature. This pilot study would assist in defining the expected condition for these segments in view of existing hydrological/habitat conditions and in fashioning the best approach to remedying the impairment. Should Coors decide to proceed with the pilot study, the Division will identify segments 14b and 15 as "low priority" and refrain from any further TMDL implementation measures until such time as the study results are known and an appropriate approach to rectifying the identified problems is crafted in cooperation with basin stakeholders.

3. Upper Colorado Basin, Blue River segments 6 and 8 (Camp Cr, Jones Gulch, Keystone Cr, and Mozart Creek): The four identified tributaries in these two segments were proposed by the Division to be listed as impaired relative to measured pH levels. The evidence submitted raised questions regarding the representativeness of the data showing a possible standards exceedance, particularly in the absence of data regarding seasonality of pH levels for multiple years. Therefore, the Commission determined that it is more appropriate to include these specific tributaries on the Monitoring and Evaluation List at this time. Keystone Resorts has stated that it will complete a Use Attainability Analysis for Camp Creek and Jones Gulch, and that it is willing to include Keystone Creek and Mozart Creek in this analysis. The Commission believes that it is appropriate to revisit the attainment status of these segments following completion of the UAA. Depending on the results of this analysis, the adoption of site-specific seasonal pH standards is one option that can be considered. Indeed, the Commission notes that the evidence submitted to it showed that nearby snowmaking actually mitigates pH levels in the snow.

4. Uncompahgre River, segment 6b (Red Mountain Creek): The Commission does not believe that an impairment of the aquatic life use of segment 6b relative to a realistic expected condition for this segment has been shown. The Commission found that the aquatic community in segment 6a is not the appropriate expected condition for this segment. The Commission endorses the Division's proposal not to list at this time, while moving forward to investigate segment 6b and make a recommendation to the Commission regarding the attainable aquatic life use and appropriate numeric standards in the context of the next basin-wide standards and classification rulemaking proceedings. However, it is uncertain at this time whether any future remediation activities in this area will improve the aquatic life use of this segment. In the absence of documentation that the attainable expected condition for this segment is an aquatic life use that is better than the current condition of this segment, it would be inappropriate to identify this segment as impaired.

5. Bear Creek segment 1a: This segment was proposed by the Division and by Trout Unlimited to be included on the Section 303(d) List. The evidence submitted demonstrated adverse impacts to the aquatic life use in this segment during 2002, and documented that the use had started to recover in 2003, although full recovery had not yet occurred. The evidence also demonstrated that the unusual and extreme drought conditions in 2002 were the determinative cause of the adverse impacts to aquatic life. Although there was evidence submitted indicating that ammonia concentrations or elevated temperatures may have adversely affected the aquatic life, the evidence demonstrated that these potentially harmful conditions would not have been present except for the drought. The Commission has concluded that this segment should be included on the Monitoring and Evaluation List for potential aquatic life, ammonia and temperature impairments, and that its status should be reconsidered in future updates of Regulations No. 93 and No. 94. Any evidence of impairment due to pollutants can be brought forth at the next listing hearing.

6. Lower Colorado segment 13b: This is an "all tributaries" segment that was proposed by the Division to be listed in its entirety for selenium. All of the ambient water quality data available in the record for this hearing was from tributaries on the north side of the Colorado River. In addition, there was testimony regarding significant differences in the geology on the north and south sides of the Colorado River in this area. Therefore, the Commission determined that it is appropriate that only the tributaries on the north side of this segment should be listed as impaired for selenium.

7. West Fork of Clear Creek, segment 5: The Commission found that the acute zinc standard in the West Fork of Clear Creek was exceeded more than once in three years. Because the chronic zinc standard is in attainment, and because Climax presented credible biological evidence that the aquatic life use classification is supported, the Commission determined that listing for acute zinc is not warranted in this instance. This segment is included on the Section 303(d) List as impaired for copper.

8. Middle South Platte segment 1: The Division proposed that the portion of this segment from Big Dry Creek to Highway 60 be included on the Section 303(d) List as impaired for dissolved oxygen during the months of August and September. The evidence submitted offered conflicting interpretations of what the available data for this segment show regarding attainment. Because this segment appears to be in compliance with dissolved oxygen standards based on the established convention of looking at the 15th percentile of the available data for the entire segment, the Commission determined that it is more appropriate at this time to include this segment on the Monitoring and Evaluation List for further assessment of dissolved oxygen conditions. The Commission also believes that future clarification of the appropriate methodology for assessing attainment of dissolved oxygen standards, e.g. within specific months of the year, would be helpful.

F. Plans to Resolve Uncertainty

Three parties presented plans to resolve uncertainty for segments that have temporary modifications based on uncertainty [see Regulation No. 31.7(3)(a)(iii)]. These segments will not be subject to the development of a TMDL as long as there is a plan in place that addresses the following:

(1) There is an appropriate plan in place to remove the uncertainty;

(2) The plan includes an implementation schedule that will resolve the uncertainty in a time frame consistent with Colorado's timeline for the development of TMDLs; and

(3) The plan is being implemented in accordance with its terms.

The Commission found that the following segments have adequate plans. It is the Commission's intent to revisit these plans at the next listing cycle to determine if they continue to meet the Commission's intent.

1. Fountain Creek segment 6 (Monument Creek from the National Forest boundary to Fountain Creek): The selenium water quality standard for Fountain Creek segment 6 has a temporary modification for uncertainty pursuant to section 31.7(3)(a)(iii) of the Basic Standards. The City of Colorado Springs submitted an appropriate plan to remove the uncertainty

2. Lower Arkansas segment 1a (Arkansas River from Fountain Creek to the Colorado Canal): The selenium water quality standard for Lower Arkansas segment 1a has a temporary modification for uncertainty pursuant to section 31.7(3)(a)(iii) of the Basic Standards. The City of Pueblo submitted an appropriate plan to remove the uncertainty

3. Upper Yampa segment 13d (Dry Creek): In the 2003 Upper Colorado River rulemaking hearing, the Commission adopted a temporary modification (based on uncertainty) of 60 ug/L for selenium in Dry Creek. This temporary modification was based on five WQCD samples collected in Dry Creek in 2001 and 2002 near its confluence with the Yampa River. The Commission approved Seneca Coal Company's plan to monitor Dry Creek with the objective of determining the source or sources of selenium loading, where the loading is isolated in the lower portion of Dry Creek and to determine whether the loading is due to natural or irreversible man-induced sources.

BASIS AND PURPOSE (Monitoring and Evaluation List)

A. Introduction

This regulation establishes Colorado's Monitoring and Evaluation List. This list was prepared as part of the effort to identify water bodies for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards (those impaired waters requiring TMDLs). Regulation No. 93 is the list of impaired waters which require TMDLs. This regulation is the Monitoring and Evaluation List ("M&E List") that identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more listing factors, such as the representative nature of the available data. Water bodies that are impaired but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution are also included on the M&E List.

B. List Development

The statement of basis and purpose for Regulation No. 93 contains a description of how the lists were developed.

C. Prioritization and Scheduling

The Division has committed to establishing a plan for monitoring and evaluating these water bodies prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

D. Segment-Specific Issues

1. Blue River segment 3: The Commission has included Gold Run Gulch below Jessie Mine (for cadmium and zinc) and the South Branch Swan River below Royal Tiger Mine (for zinc) on the Monitoring and Evaluation List. The Royal Tiger Mine and the Jessie Mine are both part of a CERCLA remediation effort, for which remedial project design is currently out to bid. Therefore, the Commission understands that the conditions in this area affecting water quality will be changing and that it is currently uncertain what uses or water quality can be supported in these waters in the future. The Commission does not intend by including these waters on the Monitoring and Evaluation List to conclude that any actions other than those CERCLA-related activities already underway are necessary or appropriate at this site. The status of those efforts will be reviewed during the next update of this list.

2. Segments proposed for the Section 303(d) List: In several specific instances, the Commission made a determination in this rulemaking hearing that segments proposed by the Division or others for inclusion on the Section 303(d) List should instead be included on the Monitoring and Evaluation List. This applies in particular to Bear Creek segment 1a and Middle South Platte segment 1 in the South Platte Basin and to four named tributaries in Blue River segments 6 and 8 in the Upper Colorado River Basin. In each of these instances, the rationale for the Commission's decision to included these waters on the Monitoring and Evaluation List is set forth in the Statement of Basis and Purpose adopted for Regulation No. 93 as a result of this rulemaking.

93.11 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; FEBRUARY, 2006 RULEMAKING, EFFECTIVE DATE OF APRIL 30, 2006

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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 (303(d) List)

A. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs") to reflect additional water quality information available since the Regulation was promulgated in 2004. This list was prepared to fulfill section 303(d) of the federal Clean Water Act ("Act") which requires that states submit to the U.S. Environmental Protection Agency ("EPA") a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

B. List Development

1. Listing Methodology

   The "Section 303(d) Listing Methodology - 2006 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission administrative action hearing on May 9, 2005.

   This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2006 Section 303(d) List and the 2006 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

2. Information Considered

   The Commission has considered all existing and readily available information in developing the 2006 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the Division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The Division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2006 listing decisions. If submitted, such information will be considered in the next listing cycle.

C. Prioritization

The objective of prioritization is to identify those waterbody segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV. of the 2006 Section 303(d) Listing Methodology.

D. Temporary Modifications and Plans to Eliminate Uncertainty

Consistent with the recent changes to the Basic Standards and Methodologies for Surface Water (Regulation No. 31) and the Discharge Permit Regulations (Regulation No. 61), the Commission deleted subsection 93.4 "Plans to Eliminate Uncertainty."The Statement of Basis for the June 2005 rulemaking hearing for Regulation No. 31 states:

> The Commission recognizes that portions of the temporary modification provisions adopted in this rulemaking may be inconsistent with current provisions in Regulation No. 93. The Commission intends that the provisions adopted in this rulemaking will govern until appropriate revisions will be adopted in the Regulation No. 93 in the next rulemaking hearing reviewing that regulation.

In 2004, this provision was added to Regulation No. 93 to identify those waterbodies where work independent of the TMDL process was proceeding to identify the appropriate underlying standards. In these cases, TMDLs and permit limits were not to be based on the underlying standards until the uncertainty was resolved. The intent was that dischargers should not be forced to comply with underlying standards where there is ongoing work being done to resolve acknowledged uncertainty regarding the appropriateness of those underlying standards.

Dischargers are now protected from complying with underlying standards before the uncertainty is resolved by recent changes in the Basic Standards and the Permit Regulations. Now, for discharges to waters where a temporary modification has been adopted, a permit may contain compliance schedules that recognize this ongoing work and may extend beyond the end of the permit term. The Commission believes it appropriate for dischargers to focus their available resources on addressing uncertainty with respect to appropriate water quality standards, rather than on complying with standards that may change in a short time.

Consistent with this new approach to temporary modifications, the Commission intends that a more thorough consideration will be given to the causes and sources of non-attainment before temporary modifications are proposed. In cases where the appropriate way to address non-attainment of underlying standards is through the TMDL program, not through adoption of temporary modifications, the Commission may assign a higher TMDL priority to such waters.

E. Segment- Specific Issues

Fountain Creek segment 2a: The Division had proposed inclusion of this segment due to non-attainment of the assigned E. coli standard. The Division noted that its proposal erroneously identified the listing as a "low" priority. The Section 303(d) Listing Methodology, 2006 Listing Cycle indicates that TMDLs for waters in non-support of Recreation 1a use classifications be designated as "high" priority. The Commission has therefore adopted a "high" priority designation for this segment.

Fountain Creek segment 2b: This segment is the lowermost of three that comprise the mainstem of Fountain Creek. Both of the upper two segments are included on the List of Impaired Waters for E. coli. The Sierra Club had proposed that this lowermost segment should also be listed for E. coli. The Commission has decided that the Division's analysis of the available data is consistent with the procedures contained in the Section 303(d) Listing Methodology, 2006 Listing Cycle and that the results of that analysis do not support inclusion of this segment on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs.

North Fork Gunnison River segment 6: The Division had proposed that this "all tributary" segment be listed in its entirety for non-attainment of the aquatic life use-based chronic selenium standard. The Colorado River Water Conservation District provided evidence that the standard is, in fact, attained at several locations within this segment. It is therefore appropriate that only that portion of the segment for which non-attainment has been documented be included on the list. The Commission has identified the affected portion of the segment as "Cottonwood Creek" and has revised the proposal accordingly.

Uncompahgre River segment 6b (Red Mountain Creek): The Commission had in a February 2004 Rulemaking Hearing determined that there is not adequate data to support a finding of impaired Aquatic Life Use relative to the expected condition. Information offered in the 2006 hearing further reinforces this conclusion by demonstrating that the Commission's classification assumes an extremely limited aquatic life use in this segment. In a rulemaking hearing scheduled for June 12, 2006, the Commission will consider a proposal to delete the aquatic life use classification for this segment. The Commission has therefore opted not to include Red Mountain Creek on the 2006 Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs.

Lower Gunnison segment 2: The Division proposed that this segment be listed for selenium and temperature, with a "high" priority for each. In view of evidence that it may be appropriate to reconsider the cold water aquatic life classification of this segment prior to initiating a TMDL, the Commission chose to change the priority for the temperature listing to "low".

Lower Colorado River segment 3: The Division had initially proposed listing of this segment for ammonia. During discussions with the City of Grand Junction it was noted that during the course of the Division's assessment an error had been made relative to the dataset utilized. The Division subsequently modified its proposal to withdraw this segment from its proposal. The Commission has not included the segment on the 2006 Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs.

Lower Colorado River segment 13a (Salt Creek): Salt Creek was proposed by the Division to be listed for sediment based upon a study of this and other tributary segments performed in conjunction with the BLM and Chadwick and Associates. Mesa County objected to the inclusion of Salt Creek on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs, arguing that the assessment protocols used were inconsistent with Commission Policy 98-1, the Implementation Guidance for Determining Sediment Deposition Impacts to Aquatic Life in Streams and Rivers. The assessment performed utilized the same approach embodied in the Sediment Guidance with respect to comparison of the affected reach to an expected condition. The validity of this comparative, expected condition analysis is not dependent on this being a high gradient, cobble bottom stream. The Commission has determined that the assessment adequately demonstrated non-attainment of the narrative sediment standard and consequent impairment of Salt Creek.

Bear Creek segment 1a: The Division proposed that this segment be retained on the Monitoring and Evaluation list for non-attainment of the assigned aquatic life use classification and for temperature. The evidence submitted demonstrated adverse impacts to trout populations at two stations (Bear Creek cabins and O'Fallon Park) situated in the upper reach of this segment since 2002 and documented that the use continued to recover well into 2004, although full recovery had not yet occurred. This evidence is consistent with the Commission's conclusion in 2004 that the demonstrative cause of adverse impacts to aquatic life was the extreme drought in 2002. The 2006 Listing Methodology states that "Data collected during or immediately after temporary events influencing the waterbody that are not representative of normal conditions shall typically be discounted in making the listing decision." Several parties argued that water quality conditions might have adversely affected the aquatic life. However, there was no evidence submitted demonstrating exceedance of the Mean Average Weekly Temperature criterion during 2004 or 2005, or demonstrating that impairment was otherwise caused by pollutants. The Commission has decided that the Division's interpretation of the available data is consistent with the procedures contained in the Section 303(d) Listing Methodology, 2006 Listing Cycle and has determined that this segment should be retained on the Monitoring and Evaluation List for aquatic life impairments and temperature, and that its status should be reconsidered in future updates of Regulations No. 93 and No. 94.

The fact that impacts to Bear Creek aquatic life continue to appear to be related to the 2002 extreme drought is an adequate and appropriate basis for including this segment on the Monitoring and Evaluation List, rather than the Section 303(d) List. However, the Commission also notes that, even if continuing impacts did not appear to be tied to the drought, where there is no evidence that a numerical standard has been exceeded, the Commission's practice has been to place waters on the Monitoring and Evaluation List if there is not evidence that a use impairment has been caused by a pollutant. The 2006 Listing Methodology states "Water bodies that are impaired but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution will be placed on the M&E List." EPA's guidance for such circumstances differs. EPA's guidance says that where there is an impairment but there has not been a demonstration that the impact is not caused by a pollutant, the water segment should be included on the Section 303(d) List. Because this provision appears in EPA guidance only, and the Commission is aware of no specific provisions of the Clean Water Act or EPA regulations that would dictate this result, the Commission believes that it has policy discretion to use different approach – i.e., to refrain from listing unless a pollutant has been identified as the cause of the use impairment.

Clear Creek segment 13b (North Fork Clear Creek): The Division had proposed this segment be retained on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs for several parameters and for non-attainment of the assigned aquatic life use classification. The Commission has adopted this proposal, but notes that the segment attains the assigned numeric copper standard. The listing therefore does not include copper. Further, the Commission notes that the Division had proposed a "high" priority for completion of TMDLs for this segment, due to the fact that the North Fork of Clear Creek was included on the 1998 List of Impaired Waters and is therefore subject to provisions of the 1999 Settlement Agreement addressing TMDL development by the Division. The Commission has determined that a "medium" priority will be assigned for TMDL development, while recognizing that the Division remains obligated to completion of TMDLs for this segment by June 30, 2008. If the underlying standards are revised in the 2009 South Platte River basin rulemaking, TMDLs and/or Wasteload Allocations based on the superceded standards should be revisited.

Cache la Poudre segment 14 (Horsetooth Reservoir): The Division proposed inclusion of Horsetooth Reservoir on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs due to non-attainment of the dissolved oxygen standard. Data for a ten-year period of record was found to be representative of conditions in the Reservoir. The Commission determined that in this instance it is appropriate to consider data for more than the most recent five years, in view of evidence that the most recent five years include a potentially unrepresentative period of reservoir drawdown. While the available data do not include samples spaced throughout a 24-hour period, the data are typical of that usually available for lakes and reservoirs. If diel variation were expected, it is likely that any such data would demonstrate a slight depression of dissolved oxygen concentration in the epilimnion during non-daylight hours. However, the area of non-attainment of dissolved oxygen in Horsetooth Reservoir is in the metalimnion, or middle layer of the reservoir. Testimony from Division staff indicated that it is unlikely that diel variation in dissolved oxygen levels would be expected in the metalimnion, since this deeper layer is unlikely to be affected by photosynthesis that occurs in the epiliminion. The Commission interprets the reference in the Listing Methodology to lake and reservoir samples representative of diel variation to apply only in those factual circumstances (e.g. dissolved oxygen in the epilimnion) where such variation would be expected.

The assessments and recommendations by the Division regarding Horsetooth Reservoir were consistent with the Section 303(d) Listing Methodology, 2006 Listing Cycle. However, the Commission notes that this hearing identified a need to provide further clarifications regarding appropriate procedures for assessing compliance with dissolved oxygen standards, particularly for lakes and reservoirs. The Commission encourages the Division to pursue such clarifications in preparation of the 2008 Listing Methodology, including, e.g., addressing variations in attainment status from year-to-year and further clarification of what constitutes representative data.

Evidence regarding the status of aquatic life in Horsetooth Reservoir does not override the fact that the data demonstrate a long term standards exceedance. The Commission's practice has been to list waterbodies on the Section 303(d) List whenever representative data demonstrate non-attainment of a numerical standard, including dissolved oxygen. For other waters listed for non-attainment of dissolved oxygen, the Commission has not required evidence of the cause of the non-attainment. Although the provisions of the 2006 Listing Methodology arguably contain potentially conflicting language on this point, the Commission's practice has not been to apply the provision regarding "water bodies that are impaired but it is unclear whether the cause of impairment is attributable to pollutants" to waters with dissolved oxygen impairments. Moreover, although the Commission was willing to consider listing Horsetooth Reservoir on the M&E List if the cause of the dissolved oxygen impairment was recent reservoir draw downs (i.e., reservoir operations), the evidence did not support this conclusion.

Middle South Platte River segment 03a (Horse Creek Reservoir): The Division proposed that Horse Creek Reservoir be included on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs due to non-attainment of the assigned pH standard. The recommendation was based upon a representative dataset including four years of water quality monitoring results. The Commission has determined that inclusion of the Reservoir on the Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs for pH is appropriate and consistent with the Section 303(d) Listing Methodology, 2006 Listing Cycle. Dissolved oxygen data for the same four-year period demonstrate attainment of the dissolved oxygen standard. Although EPA questioned the Division's current practice of averaging dissolved oxygen data within the sampling profile or profiles for a single sampling event, the Commission has determined that this practice is acceptable and appropriate, and consistent with the 2006 Listing Methodology. EPA's proposal that Horse Creek Reservoir be listed for dissolved oxygen is based upon analytical procedures that are inconsistent with the Division's current assessment practice. The Commission has determined that the Reservoir is not impaired with respect to the dissolved oxygen standard.

Upper Colorado River segment 07b (Muddy Creek): The Division had proposed the listing of Muddy Creek for non-attainment of the assigned temperature standard. The Colorado River Water Conservation District objected to the Division's proposal and has provided evidence suggesting that the USGS sampling station (data from which formed the basis for the Division's proposal) is situated such that any temperature data generated is likely not representative. The Commission has therefore included the segment on the 2006 Monitoring and Evaluation List to allow further examination of temperature data from this station.

Upper Yampa River segment 07b: This segment comprises a portion of the Yampa River mainstem. The Division had proposed that this segment be listed for temperature, again based upon USGS monitoring data. The Colorado River Water Conservation District provided evidence concerning the location of the USGS sampling station below the Steamboat Springs hot springs discharge. Again parties have agreed that such data is likely not representative of instream conditions. The Commission has placed the segment on the 2006 Monitoring and Evaluation List.

Upper Yampa River segment 20 (First Creek, Elkhead Creek): These waters are classified for Recreation Use 1a, and are assigned a numeric E coli standard of 126 org./100 mL. Ambient E. coli levels exceed the assigned numeric standard. The U. S. Forest Service has raised concerns regarding the current assigned Recreation Use and the associated numeric standards. The Commission has included the segment on the 2006 Section 303(d) List of Water-Quality-Limited Segments Requiring TMDLs based upon the current classification and standards. However, it is the intent of the Commission that these issues be examined in the context of the 2008 Upper Colorado surface water standards rulemaking prior to the initiation of the TMDL development process.

BASIS AND PURPOSE (Monitoring and Evaluation List)

A. Introduction

This regulation updates Colorado's Monitoring and Evaluation List to reflect additional water quality information available since the Regulation was promulgated in 2004.

B. List Development

The statement of basis and purpose for Regulation No. 93 contains a description of how the lists were developed.

C. Prioritization and Scheduling

The Division remains committed to establishing a plan for monitoring and evaluating these water bodies prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

D. Segment-Specific Issues

In a number of instances, the Commission chose in this hearing to include on the Monitoring and Evaluation List waters that were initially proposed by the Division, or recommended by other rulemaking participants, for inclusion on the Section 303(d) List, Regulation #93. These waters include Bear Creek segment 1a, Upper Colorado River segment 07b (Muddy Creek), and Upper Yampa River segment 07b. In each instance, the Commission's rationale for these decisions is set forth in the statement of basis and purpose for Regulation #93.

PARTIES TO THE RULEMAKING

1. The City of Grand Junction
2. The Colorado Division of Wildlife
3. Evergreen Trout Unlimited and Colorado Trout Unlimited
4. The City of Colorado Springs
5. The City of Black Hawk
6. The Colorado River Water Conservation District
7. Friends of Bear Creek
8. Big Thompson Watershed Forum
9. The Bear Creek Watershed Association
10. The Northern Colorado Water Conservancy District
11. U.S. Environmental Protection Agency, Region 8
12. Evergreen Metropolitan District and West Jefferson County Metropolitan District
13. USDA Forest Service, Medicine Bow-Routt National Forests
14. Colorado Rock Products Association
15. City and County of Broomfield
16. Climax Molybdenum Company
17. The Metro Wastewater Reclamation District
18. Mount Carbon Metropolitan District

93.12 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; FEBRUARY, 2008 RULEMAKING, EFFECTIVE DATE OF APRIL 30, 2008

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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 (303(d) List)

A. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs") to reflect additional water quality information available since the Regulation was promulgated in 2006. This list was prepared to fulfill section 303(d) of the federal Clean Water Act ("Act") which requires that states submit to the U.S. Environmental Protection Agency ("EPA") a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

B. List Development

1. Listing Methodology

The "Section 303(d) Listing Methodology - 2008 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission administrative action hearing on May 15, 2007.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2008 Section 303(d) List and the 2008 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

2. Information Considered

The Commission has considered all existing and readily available information in developing the 2008 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the Division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The Division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2008 listing decisions. Such information will be considered in the next listing cycle.

C. Prioritization

The objective of prioritization is to identify those waterbody segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV. of the 2008 Section 303(d) Listing Methodology.

D. Fish Consumption Advisory Listings

Consistent with the 2008 Section 303(d) Listing Methodology, the Division proposed to include 12 segments on the 2008 303(d) List for non-attainment of the aquatic life use due to fish consumption advisories for mercury. The 2008 Section 303(d) Listing Methodology, states:

Fish Consumption Advisories are issued by the Colorado Department of Public Health and Environment ("CDPHE") in instances where analysis of fish tissue samples provides documentation of a public health risk. Issuance of a FCA by CDPHE indicates impairment of an Aquatic Life Use classification for any waters so classified.

The 2006 303(d) List included three of these reservoirs for impairment due to mercury: one in the Rio Grande basin: Sanchez Reservoir (Rio Grande, segment 30), and two in the San Juan basin: McPhee Reservoir (Dolores, segment 4) and Narraguinnep Reservoir (La Plata, segment 11). These listing were changed by the Commission to specify that the listing was based on non-attainment of the aquatic life. This is consistent with the 2008 Listing Methodology and avoids confusion that there is non-attainment of the mercury standard in the water column.

The Commission has included 12 segments on the 2008 303(d) List for non-attainment of the aquatic life use due to mercury fish consumption advisories for 13 lakes or reservoirs. The Commission also included one listing based on non-attainment of the aquatic life use due to a PCE fish consumption advisory in Willow Springs Ponds, Fountain Creek, segment 7a.

E. Discussion of Issues Raised in the Hearing

Dissolved Oxygen Standard in Lakes and Reservoirs: The issue of an appropriate D.O. standard in lakes and reservoirs was raised in this hearing by two parties, Northern and the River District. The River District focused its attention to high elevation lakes and reservoirs while Northern discussed the concept of representative data and assessment methods as outlined in the 2008 Listing Methodology. The Division agreed that work is needed to examine the D.O. standard for lakes and reservoirs and that additional refinement of the Listing Methodology is appropriate including consideration of whether and how refugia should be addressed. This standard is scheduled for review in preparation for the 2010 Basic Standards and Methodology, Regulation No. 31, RMH in June 2010. The Commission directs the Division to work with parties in 2008 and 2009 on any changes that are deemed appropriate for the 2010 Listing Methodology. The Commission made listing decisions based on the available data using the adopted standards and the 2008 Listing Methodology. Site-specific decisions made by the Commission are discussed below.

F. Segment- Specific Issues

Fountain Creek segment 6, Monument Creek: Mainstem of Monument Creek from the boundary of National Forest Lands to the confluence with Fountain Creek: The Division had proposed retaining the portion of Monument Creek below Mesa Road on the 2008 303(d) List because selenium concentrations in that portion exceed the water quality standard for Fountain Creek Segment 6. The Commission has determined that it is appropriate at this time to include this portion of Monument Creek on the 2008 303(d) List. However, because there is an appropriate plan in place to address the segment as a whole, the Commission directs the Division and Colorado Springs Utilities to revisit this plan to determine the causes and potential reversal of elevated Se concentrations and the appropriate long-term underlying standard for this section of COARFO06.

Lower Colorado segment 2, Colorado River (COLCLC02): Mainstem of the Colorado River from Parachute Creek to the Gunnison River. The Division originally proposed listing this segment based on non-attainment of the selenium standard. The Division based its proposal on data from multiple sampling locations. The River District questioned whether some of the sample locations, including the Humphrey backwater location and others, were in the segment. The Division reviewed the sampling locations and determined that some of the sampling locations used in the original proposal were outside the segment. The segment was reassessed and still showed impairment. The parties disagree whether Humphrey Backwater is located within the segment but agreed that it demonstrated exceedences of the selenium standard. The Commission ultimately decided to list the Humphrey Backwater portion of the Colorado River segment based on those data, rather than listing the entire segment.

White River segment 13b: Shell Frontier Oil and Gas Inc. provided additional analytical results for a number of locations within the Yellow Creek drainage. Re-assessment of several waters which had been proposed for inclusion on the Monitoring and Evaluation List indicated that Corral Creek, Box Elder Gulch, Stake Springs and Duck Creek, are all in attainment of the assigned standard for total recoverable iron. This additional data, however, also demonstrated that the lower portion of Corral Creek and Duck Creek are in non-attainment of the Aquatic Life Use-based chronic selenium standard. The Commission has added these waters to the 303(d) List for selenium.

Upper Colorado segment 5, Wolford Mountain Reservoir (COUCUC05): The River District opposed the Division's proposal to move Wolford Reservoir from the 2006 M&E List to the 2008 303(d) List when no additional data has been collected. In addition, the River District expressed their concerns with the current D.O. standard and Listing Methodology especially as it is applied to high alpine lakes and reservoirs. The Commission moved Wolford Reservoir from the M&E List to the 303(d) List based on the current standards and listing methods. The Commission has encouraged the Division, the River District and other parties to continue to work towards an improved D.O. standard for the 2010 Basic Standards Rulemaking Hearing. The Commission adopted a low priority for this listing, since it is appropriate for the D.O. standard and listing methodology issues to be addressed before substantial resources are expended on development of a TMDL.

Uncompahgre segment 14, Sweitzer Lake (COGUUN14): The Division proposed listing for Sweitzer Lake due to exceedances of the D.O. standard in the mixed layer. The River District pointed out that there was no thermal stratification and adequate refugia present and therefore the segment should not be listed. They also indicated that there is evidence of chemical stratification. The Commission listed Sweitzer Lake, segment COGUUN14, on the 303(d) List due to exceedances in the mixed layer as defined in the Listing Methodology.

Upper Yampa segment 13d, Dry Creek (COUCYA13d): The Division proposed listing the Hubberson Gulch tributary of this segment due to non-attainment of the total recoverable iron standard. Seneca Coal Company (Seneca) provided evidence that the tributary is in attainment of the standard. The Commission did not list the segment for total recoverable iron on the 303(d) List.

Upper Yampa segment 13e, Sage and Grassy Creeks (COUCYA13e): The Division proposed listing this segment due to non-attainment of the total recoverable iron and dissolved selenium standards. Seneca provided evidence that the total recoverable iron standard is attained within the segment. The Commission did not include the segment on the 303(d) List for total recoverable iron. Seneca also provided evidence that the selenium standard is attained in the upper portions of the two creeks in the segment. The Commission did include the lower portion of the creeks (Sage Creek below Routt County Road 51D and Grassy Creek below Routt County Road 27A), on the 303(d) List for dissolved selenium.

BASIS AND PURPOSE (Monitoring and Evaluation List)

A. Introduction

This regulation updates Colorado's Monitoring and Evaluation List to reflect additional water quality information available since the Regulation was promulgated in 2006.

B. List Development

The statement of basis and purpose for Regulation No. 93 contains a description of how the lists were developed.

C. Prioritization and Scheduling

The Division remains committed to establishing a plan for monitoring and evaluating these water bodies prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

D. Segment Specific Issues

1. Lower Dolores segment 3 (COGULD03): The Commission approved resegmentation of Lower Dolores segment 3 at the Regulation 35 Rulemaking Hearing in June 2006. The resegmentation was based on the Division's investigation identifying Salt Creek draining the Sinbad Valley. The Sinbad Valley is identified by the Colorado Geological Survey as a graben or a collapse feature that formed in response to salt migration and dissolution beneath the area. Based on this information the selenium and zinc standards for the new Salt Creek segment were set at ambient conditions. The Division proposed to delete this from the M&E List based on attainment of the new ambient standards. The Commission removed this segment from the M&E List.

2. Bear Creek segment 1a (COSPBE01a): This segment was removed from the M&E List based on assessment of annual fish surveys, water quality parameters and temperature data. It is noted that Bear Creek has seen significant improvement but still requires continued cooperative efforts by the Division, DOW, the Bear Creek Watershed Authority, Trout Unlimited and others to prevent future impairment or re-listing.

3. Blue River segment 3 (COUCBL03): The Commission has included Gold Run Gulch below Jessie Mine (for cadmium and zinc) and the South Branch Swan River below Royal Tiger Mine (for zinc) on the 2006 Monitoring and Evaluation List. The Royal Tiger Mine and the Jessie Mine are both part of a CERCLA remediation effort completed in 2007. Remediation results with respect to water quality are not yet available. In the past the Commission did not intend by including these waters on the Monitoring and Evaluation List to conclude that any actions other than those completed CERCLA-related activities are necessary or appropriate at this site. The status of those efforts will be reviewed during the next update of this list.

4. White River segment 16 (COLCWH16): The Commission has included Ryan Gulch on the Monitoring and Evaluation List for E. coli. Shell had argued that Ryan Gulch should not be included on the Monitoring and Evaluation List for E. coli due to the lack of more than a single sample and because *"the segment does not appear to support classification as recreation class 2."* The Commission notes that placement of the water on the Monitoring and Evaluation List does not indicate a finding that Ryan Gulch is in non-attainment with the assigned Recreational Use, only that more data is needed to accurately assess the attainment status. Further, the Commission would note that alternate Recreation Use designations have more stringent *E. coli* standards then that assigned with the current Recreation Use designation.

5. Upper Yampa segment 13d, Dry Creek (COUCYA13d): The Division proposed listing this segment due to exceedances of the lead standard. Seneca provided evidence that the lead standard is attained within the upper portion of this segment. The Commission included the lower portions of the segment (below Routt County Road 53 (Sec. 22, T6N, R88W)), on the 2008 M&E List for dissolved lead.

6. Uncompahgre segment 3b, Ridgeway Reservoir (COGUUN03b): Listing methods for temperature in lakes were changed in the *Section 303(d) Listing Methodology – 2008 Listing Cycle* to reflect changes in the temperature standards in *Regulation No. 31. In the Listing Methodology (p. 25)* it states: "If the refuge is not adequate because of low dissolved oxygen, the lake or reservoir may be listed as impaired for dissolved oxygen rather than for temperature." The Division proposed a few segments for the M&E List that are listed for dissolved oxygen due to exceedances of temperature in the epilimnion where there was not adequate refugia in the lower levels of the lake or reservoir. Ridgeway Reservoir was one of those segments. The data showed that the temperature standard was exceeded in the epilimnion on 7/21/05. An adequate refuge from high temperatures in the epilimnion was not present on that day due to inadequate dissolved oxygen in the lower portion of the lake. Due to confusion that this type of listing caused, the parameter notation in Regulation No. 94 was changed to indicate that the D.O. listing was due to exceedances of the temperature standard. The Commission added Ridgeway Reservoir; segment COGUUN03b, to the M&E List for "D.O. (temperature)".

7. Fountain Creek segment 2a (COARFO02a): Fountain Creek segment COARFO02a includes the mainstem from its confluence with Monument Creek to the State Highway 47 Bridge. This segment was assigned an ambient-based chronic selenium standard of 8.0 ug/L during the Arkansas River Basin RMH in 2007. The Aquatic Life Use-based acute standard was set at TVS. Two acute exceedances were found during the data assessment for this rulemaking hearing that could place this segment on the 303(d) List. Further investigation of these acute exceedances showed discrepancies in the USGS and the WQCD data. The Division, as well as Colorado Springs, believed that because of the inconsistent nature of this data it may not be representative, and together the parties will investigate the validity of these data. For this reason, the Commission placed this segment on the M&E as opposed to the 303(d) List until further study of selenium in this segment can take place.

8. Upper Colorado segment 2, Shadow Mountain Reservoir (COUCUC02): The Division originally proposed to include Shadow Mountain Reservoir on the 2008 303(d) List for dissolved oxygen. In their RPHS, Northern opposed the listing of Shadow Mountain for dissolved oxygen on the 303(d) List. They stated that the data was not representative because it was not spatially distributed, it did not have temporal variability, and it followed a temporary event, namely fall turn over following a historic drought. The Division disagreed regarding the representative nature of the sampling program but points out that there are questions about the validity of the September 2003 sample profile that was evaluated. For example, the Division believed that D.O. readings taken on September 16, 2003 may have been a calibration error. Moreover, that was the only reading that exceeded the standard during the entire period of record and thus may not have been representative. For these reasons the reservoir was placed on the M&E List as opposed to the 303(d) List until further evaluation can take place.

9. Upper Colorado segments 6 and 8, Camp Cr, Jones Gulch, Keystone Cr, and Mozart Creek (COUCBL06 and COUCBL08): During the 2004 rulemaking process, the four identified tributaries in these two segments were placed on the M&E List based upon measured pH levels during one spring one runoff season when pH levels are expected to be relatively low due to natural causes. Subsequent water quality monitoring conducted over a period of four years has found that these streams meet the pH standards and have 15th percentile values that are above the minimum 6.5 s.u. pH standard. Based upon these findings, the Commission removed segments COUCBL06 and COUCBL08 from the M&E List.

10. Upper Colorado segment 10 (COUCUC10): The Division proposed that segment COUCUC10 be placed on the M&E List for copper based on data from WQCD station 12193, located on the Fraser River at the Town of Fraser. Additional stations were assessed on this segment. The Districts questioned the data used in the assessment and upon reevaluation of data for five stations along the Fraser River, the Division revised its proposal to only list a portion of the segment on the M&E List. The WQCC placed the Fraser River from the Town of Fraser to the confluence with the Colorado River on the M&E List based on this data analysis. The Division will work with the Grand County Districts and the Grand County Water Information Network (GCWIN) to collect more data and look into copper issues on the Fraser River.

PARTIES TO THE RULEMAKING HEARING

1. The Metro Wastewater Reclamation District
2. Bear Creek Watershed Association
3. Keystone Resort
4. City of Colorado Springs and Colorado Springs Utilities
5. CAM-Colorado LLC and CAM Mining LLC
6. Colorado Division of Wildlife
7. Southeastern Colorado Water Conservancy District
8. Shell Frontier Oil and Gas, Inc.
9. The Grand County Water and Sanitation District #1, the Winter Park West Water and Sanitation District, the Fraser Sanitation District and the Winter Park Sanitation District
10. Trout Unlimited, Colorado Trout Unlimited, and the Evergreen Chapter of Trout Unlimited
11. Northern Colorado Water Conservancy District
12. Seneca Coal Company
13 Colorado River Water Conservation District
14. U.S. Environmental Protection Agency, Region 8
15. City of Black Hawk and Black Hawk/Central City Sanitation District
16. Cripple Creek & Victor Gold Mining Company
17. Town of Minturn
18. Homestake Mining Company of California
19. CBS Operations Inc

93.13 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; FEBRUARY, 2010 RULEMAKING, EFFECTIVE DATE OF APRIL 30, 2010

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Consolidation of Regulations #93 and #94

Prior to the 2010 listing cycle, Colorado's list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads was set forth in this Regulation #93, and Colorado's Monitoring and Evaluation List was set forth in Regulation #94. In this hearing, the Commission has approved the Division staff proposal to combine both lists into Regulation #93, and to repeal the former Regulation #94. The primary benefit of combining the regulations is to make the status of water segments in Colorado easier to understand by setting forth both lists in one table. This new structure will also make it easier to understand proposed revisions to either list during future rulemaking hearings. These benefits will be seen by the Division, the Commission and interested stakeholders.

Both regulations were heard by the Commission at the same rulemaking hearings in the past and decisions were made for both regulations at the same time. One reason for maintaining separate lists in the past is that Colorado's list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads is subject to EPA approval, while Colorado's Monitoring and Evaluation List is not. Although the Commission is now combining both lists into one regulation for simplicity and ease of use, it will continue to be only the list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads that requires EPA approval. In submitting the revised "Section 303(d) List" to EPA, the Commission will note that only that list is submitted for approval and that the separate Colorado Monitoring and Evaluation List is maintained as state-only information.

B. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs") to reflect additional water quality information available since the Regulation was promulgated in 2008. This list was prepared to fulfill section 303(d) of the federal Clean Water Act ("Act") which requires that states submit to the U.S. Environmental Protection Agency ("EPA") a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

2. List Development

a. Listing Methodology

The "Section 303(d) Listing Methodology - 2010 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission administrative action hearing on May 11, 2009.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2010 Section 303(d) List and the 2010 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

The Commission has considered all existing and readily available information in developing the 2010 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the Division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The Division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2010 listing decisions. Such information will be considered in the next listing cycle.

c. Data Quality

In the Division's Quality Management Plan 2007 for the Collection and Utilization of Environmental Data, the WQCD states that "It is the expressed goal of the Division to use only those analytical data that are both reliable and have a defined level of quality." In order to meet this goal, the WQCD required that all information submitted in response to its August 2009 call for data have a certification of quality included with the data. All of the information received for this data call that was utilized to develop assessments for this rulemaking hearing had a quality certification submitted or has been identified as not having this certification. Only a small fraction of the data is not certified.

3. Prioritization

The objective of prioritization is to identify those waterbody segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV. of the 2010 Section 303(d) Listing Methodology.

4. Fish Consumption Advisory Listings

The 2010 Section 303(d) Listing Methodology, states:

> Fish Consumption Advisories are issued by the Colorado Department of Public Health and Environment ("CDPHE") in instances where analysis of fish tissue samples provides documentation of a public health risk. Issuance of a FCA by CDPHE indicates impairment of an Aquatic Life Use classification for any waters so classified.

The Commission has included 17 segments on the 2010 303(d) List for non-attainment of the aquatic life use due to mercury fish consumption advisories for 22 lakes or reservoirs. The Commission also included one listing based on non-attainment of the aquatic life use due to a PCE fish consumption advisory in Willow Springs Ponds, Fountain Creek, Segment 7a.

The following segments have been added to the 2010 303(d) List due to new Fish Consumption Advisories:

- Lower Gunnison Segment 4b, Juniata Reservoir
- Lower Colorado Segment 20, Rifle Gap Reservoir
- San Juan Segment 6a, Echo Canyon Reservoir
- Upper Colorado Segment 12, Lake Granby
- Yampa River Segment 2b, Elkhead Reservoir, Catamount Lake

5. New Table Value Standards

Cadmium and Zinc: As part of the Basic Standards hearing of 2005, new zinc and cadmium table values were adopted. The acute and chronic zinc and cadmium equations in each basin were modified to conform to Regulation No. 31 over the last four years. An increase in cadmium listings were the result of a more stringent cadmium standard.

The following segments were added to the 303(d) List for cadmium:

- Big Thompson Segment 2

- Clear Creek Segments 2a, 2b, 2c, 9b, 11, 13b

- Cache la Poudre Segment 7

- Upper South Platte Segments 2b, 2c, 5a, 5b, 15

- Blue River Segment 12

- Eagle River Segment 5c

- Upper South Platte Segments 3 (Hawkins Gulch), 5a

Temperature: As part of the Temperature Standards hearing of 2007, new temperature table values were adopted. The acute and chronic temperature standards in the Upper and Lower Colorado and the South Platte River Basins were modified to conform to Regulation No. 31 over the last two years.

The following segments were added to the 303(d) List for temperature:

- Upper Colorado Segments 3, 4, 7b and 10c

6. Listings Due to Exceedances of the Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, manganese and sulfate, the less restrictive of the following two options will apply as the numeric standard: existing quality as of January 1, 2000 or the table value criteria in Regulation No. 31, Tables II and III. For dissolved iron this value is 300 ug/l. For manganese this value is 50 ug/l. For sulfate this value is 250 ug/l.

The Division evaluated the water quality as of January 1, 2000 to determine in some cases where standards exceeded the water supply criteria in Tables II and III. The following segments were proposed for listing based on exceedances of the standards:

- Lower South Platte Segment 1: Manganese

7. Relisting Segments with Approved TMDLs Due to Standards Changes

Once a TMDL has been completed, impaired waters are removed from the 303(d) List and placed into Integrated Reporting Category 4a. TMDLs are written to the adopted standards at the time they are submitted to EPA. As standards are periodically reviewed they may become more stringent. In these cases the TMDL may no longer be protective of the current standards. The Division reviewed segments where both TMDLs have been written and new, more restrictive standards have been adopted by the Commission. The Commission has relisted the following segments:

South Platte Basin:

- Clear Creek Segments 09b, 11, and 13b: Cadmium

- Clear Creek Segment 02b: Zinc

- Upper South Platte Segments 2b, 2c and 15: Cadmium

8. Delisting of Segments with Recently Approved TMDLs

The Division submitted 64 TMDLs to EPA in the last biennium that have been approved. The following segments and parameters have been removed from the 303(d) List:

- Upper Arkansas Segment 2a: Zinc
- Upper Arkansas Segments 2b, 2c and 3: Cadmium and Zinc
- Upper Arkansas Segment 5: Lead and Cadmium
- Upper Arkansas Segment 7: Zinc
- Upper Arkansas Segment 11: pH, Aluminum, Cadmium, Copper and Zinc
- Upper Arkansas Segment 12a: Lead and Zinc
- San Miguel Segment 3a: Zinc
- San Miguel Segment 3b: Cadmium and Zinc
- San Miguel Segments 6a and 6b: Zinc
- Uncompahgre Segments 2, 3a, 6a: Cadmium, Copper, Iron, and Zinc
- Rio Grande Segment 4: Cadmium and Zinc
- Rio Grande Segment 30, Sanchez Reservoir: Aquatic Life Use (Hg FCA)
- Closed Basin Segment 9a: Cadmium
- Closed Basin Segment 9b: Copper
- Dolores River Segment 9: Cadmium and Zinc
- Boulder Creek Segment 4a: pH, Cadmium, Copper and Zinc
- Clear Creek Segment 2: Copper and Zinc
- Clear Creek Segment 3a: Zinc
- Clear Creek Segment 3b: Lead and Zinc
- Clear Creek Segment 9a: Copper
- Clear Creek Segment 9b: Copper, Lead and Zinc
- Clear Creek Segment 11: Lead and Zinc
- Clear Creek Segment 13b: Total Recoverable Iron, Manganese, Zinc, and Aquatic Life Use
- Upper South Platte Segment 4: Copper
- Upper South Platte Segment 5b: Zinc

- Blue River Segment 6: pH, Cadmium, Copper, Lead and Zinc
- Blue River Segment 7: pH, Cadmium, Copper, Lead, Manganese and Zinc
- Blue River Segment 12: Zinc
- Eagle River Segment 5a: Copper and Zinc
- Eagle River Segment 5b: Zinc
- Eagle River Segment 5c: Zinc
- Eagle River Segment 7b: Copper and Zinc

9. Delisting of Segments where Water Quality is Currently Meeting Standards

As additional water quality data is collected and assessed, new data may show attainment of the standards. The following segments and parameters have been removed from the 303(d) List due to attainment of current water quality standards:

- Upper Arkansas Segment 2a: NO_3
- Uncompahgre River Segment 14, Sweitzer Lake: D.O.
- Lower Colorado Segment 3: Total Recoverable Iron
- White River Segment 13b, Corral Creek: Selenium
- La Plata Segment 4a: Zinc
- Rio Grande Grande Segment 9 (Beaver Creek Reservoir): D.O.
- Closed Basin Segment 6, San Luis Lake: D.O.
- Cherry Creek Segment 2, Cherry Creek Reservoir: chlorophyll a
- Upper Colorado Segment 7a: Total Recoverable Iron
- Yampa River Segment 16: Total Recoverable Iron
- Lower Yampa Segment 20: *E. coli*
- Cache La Poudre Segment 14 (Horsetooth Reservoir): D.O.
- Upper Colorado Segment 5 (Wolford Reservoir): D.O.

10. Dissolved Oxygen Standard in Lakes and Reservoirs

In 2008, the Commission directed the Division to work with outside parties and stakeholders on changes to the Listing Methodology with regards to the assessment of dissolved oxygen in lakes and reservoirs. Refinement of assessment methods were discussed in workgroup meetings and updates to the dissolved oxygen methods were included in the 2010 Listing Methodology.

The revised 2010 Listing Methodology states that if the average temperature in the epilimnion of lakes and reservoirs exceeds the temperature standard, temperature and dissolved oxygen below the epilimnion will be evaluated for adequate refuge. Refuge is defined as the concurrent attainment of the temperature and dissolved oxygen standard at lower depths. If adequate refuge is not present in a single profile, the segment is listed as impaired for dissolved oxygen rather than for temperature. The Commission added the following segments to the 303(d) List due to exceedances of the temperature standard where adequate refuge was not found:

- Lower Arkansas Segment 5b, Trinidad Lake

- Clear Creek Segment 17a, Arvada Reservoir

The Listing Methodology also states that if the average dissolved oxygen concentration in the epilimnion falls below the standard in any profile, the lake will be placed on the 303(d) list. Where the dissolved oxygen standard is not attained in the metalimnion, but it is attained in the epilimnion, the lake may be placed on the M&E list, according to the Listing Methodology. The Commission added 25 new lakes to the M&E list due to exceedances in the dissolved oxygen standard in the metalimnion. The following twelve lakes and reservoirs were added to the 303(d) List due to exceedances in the dissolved oxygen standard in the epilimnion:

- Cache la Poudre Segment 20, Seaman Reservoir

- Middle South Platte Segment 4, Milton Reservoir

- Middle South Platte Segment 7, Prospect Lake

- Upper South Platte Segment 17a, Berkeley Lake, Duck Lake

- Upper South Platte Segment 17b, Sloan's Lake

- Upper South Platte Segment 23, Barnum Lake, Garfield Lake, Harvey Lake, Parkfield Lake and Houston Lake

- Upper Colorado Segment 2, Shadow Mountain Lake

The dissolved oxygen standard is slated for revisions in the 2010 Basic Standards and Methodology, Regulation No. 31, rule-making hearing in June 2010. The attainment decision for these lakes and reservoirs may be different when they are reassessed with the revised standard.

11. Seasonal Listings of *E. Coli*

The 2010 Listing Methodology included a provision to allow assessment of the *E. coli* standard on a seasonal basis. The Division proposed the following segments be placed on the 303(d) List based on seasonal impairments of the *E. coli* standard:

- Arkansas River Basin, Fountain Creek Segments 2b and 6

- South Platte Basin, Big Thompson Segment 9

- South Platte Basin, Cache la Poudre Segments 12 and 13a

- South Platte Basin, Bear Creek Segment 2

- South Platte, Clear Creek Segment 15

- South Platte, Upper South Platte Segment 16c: Harvard, West Harvard and Lakewood Gulches

The Commission adopted all proposed seasonal listings onto the 303(d) List as proposed by the Division.

12. Listing of Segments where Water Quality is not Meeting Standards not Identified Above

The following segments were added to the 303(d) List due to exceedances of water quality standards not identified above:

- South Platte, Bear Creek Segment 5: Swede Gulch/Kerr Gulch, *E. coli*
- South Platte, Cherry Creek Segment 3: *E. coli* and Se
- South Platte, Clear Creek Segment 2b: Zn
- South Platte, Clear Creek Segment 3a: Cu
- South Platte, Clear Creek Segment 9a: Silver Creek, Cu and Pb
- South Platte, Clear Creek Segment 9b: pH
- Upper Gunnison Segment 29a, Deadman Gulch: pH, Cd, Cu, Mn, Zn, Fe(Trec)
- Lower Colorado Segment 10: Se
- Lower Colorado, White River Segment 9d: Se
- South Platte, Bear Creek Segment 1c (Bear Creek Reservoir): Chl a, Phosphorus
- South Platte, Bear Creek Segment 5: *E. coli*
- South Platte, Boulder Creek Segment 2a, 2b and 3: Cu
- South Platte, Boulder Creek Segment 8: Se
- South Platte, Boulder Creek Segment 9: As
- South Platte, Big Thompson Segment 2: Cu, Zn
- South Platte, Big Thompson Segment 3, 6, 7: Cu
- South Platte, Big Thompson Segment 4a, 4b: Se
- South Platte, Big Thompson Segment 8: D.O
- South Platte, Big Thompson Segment 16 (Lake Estes): Cu
- South Platte, Cache La Poudre Segment 7: Pb
- South Platte, Cache La Poudre Segment 11: Se
- South Platte, Lower South Platte Segment 1: Se, Mn

- South Platte, Lower South Platte Segment 2b: Se
- South Platte, Middle South Platte Segment 1a: *E. coli*
- South Platte, Middle South Platte Segment 1b: Se
- South Platte, Middle South Platte Segment 4 (Barr and Milton Reservoirs): NH_3
- South Platte, Middle South Platte Segment 7 (Horse Creek Reservoir and Prospect Lake): pH, NH_3
- South Platte, Republican Segment 4: *E. coli*
- South Platte, St. Vrain Segment 2a: Zn
- South Platte, St. Vrain Segment 4c: Cu, As
- South Platte, Upper South Platte Segment 2c: Zn
- South Platte, Upper South Platte Segment 3 (Hawkins Gulch): Se
- South Platte, Upper South Platte Segment 3 (Horse Creek): D.O., Fe(trec)
- South Platte, Upper South Platte Segment 3 (West Creek): As, Hg
- South Platte, Upper South Platte Segment 3 (Goose Creek): D.O.
- South Platte, Upper South Platte Segment 3 (Trail & Wigwam Creeks): Fe(trec)
- South Platte, Upper South Platte Segment 4: pH
- South Platte, Upper South Platte Segment 5a: Cu, Zn
- South Platte, Upper South Platte Segment 5c: NH_3
- South Platte, Upper South Platte Segment 14: As
- South Platte, Upper South Platte Segment 17a (Berkeley Lake): As
- South Platte, Upper South Platte Segment 23 (Barnum Lake): *E. coli*
- Upper Colorado,Yampa River Segment 13b: Total Recoverable Iron

13. <u>Segment- Specific Issues</u>

a. Upper South Platte Segment 15 and Middle South Platte Segment 1a – Category 4b Demonstration Plan

Metro Wastewater Reclamation submitted a Category 4b Demonstration Plan to the Division for two segments on the mainstem of the South Platte: Upper South Platte Segment 15 and Middle South Platte Segment 1a. Category 4b is an alternative to listing an impaired segment on the 303(d) List. A Category 4b Demonstration Plan, when implemented, must ensure attainment with all applicable water quality standards through pollution control mechanisms within a reasonable time period. This plan was accepted by the U.S. Environmental Protection Agency prior to the development of the Division's proposed 303(d) List. As a result, the Division did not include these segments in their proposal. No further discussion or comments were received by other parties. The Commission did not include Upper South Platte Segment 15 and Middle South Platte Segment 1a on the 303(d) List for ammonia and nitrate, for which the Category 4b Demonstration Plan was written. The Commission expects that after a reasonable period of time as defined in the Category 4b Demonstration Plan, water quality will be reexamined on these segments. If water quality standards are not achieved at this time the segment will be considered impaired and placed on the 303(d) List.

b. South Platte River (COSPUS14 and COSPUS15) - Trash

Two proposals were originally submitted in prehearing statements by P.U.R.E. and Wild Earth Guardians to list the South Platte River from Bowles Avenue to the confluence of Sand Creek as impaired for trash. Wild Earth Guardians withdrew their proposal but P.U.R.E maintained their proposal. The Division met prior to the Rulemaking hearing with representatives of P.U.R.E and discussed the issue. The Division maintained that a method to determine impairment for trash did not exist and that this must be determined before a decision of impairment can be made. The Division and P.U.R.E agreed to begin to address this issue in the 2012 303d Listing Methodology development stakeholder process that is to begin in the summer of 2010.

After listening to all of the testimony on this topic, the Commission took no action on listing these segments for trash at this time. It is expected that P.U.R.E, the Division and other stakeholders will work collaboratively to develop an appropriate methodology for determining impairment for trash through the 2012 303d Listing Methodology development process and other appropriate collaborative processes.

c. Muddy Creek (COUCUC07b) – Temperature

The Division proposed to list Muddy Creek (COUCUC07b) on the 303(d) List for temperature. The River Water Conservation District (River District) opposed this listing stating that exceedances at an upper station were due to a temporary construction at the outlet of Wolford Reservoir. Exceedances were still found at the lower station. The Commission adopted the Division’s alternate proposal to include the upper portion from Wolford Reservoir to Cow Gulch on the M&E List the and lower portion from Cow Gulch to the Colorado River on the 303(d) List.

d. Colorado River (COUCUC03) – Temperature

The Division proposed to place all of the Colorado River mainstem from Lake Granby to the Roaring Fork River (COUCUC03) on the 303(d) List for temperature exceedances. Northern Colorado River Conservancy District (Northern) proposed an alternative portion of 578 Road bridge to the William Fork confluence. The Commission found that the portion that Northern recommended, omitted sites with exceedances both above and below their recommended portion. To encompass the entire scope of temperature exceedances, the Commission adopted the portion from 578 Road to immediately above the confluence with the Blue River.

e. Lower Colorado Segment 2b – Selenium

In 2008, the Commission adopted only the portion at Humphrey Backwaters Area onto the 303(d) List for selenium. For this cycle, the Division proposed to list the entire segment for selenium. The City of Grand Junction and the River District opposed this listing claiming that the Riverwatch data used in the assessment was not representative or of good quality. The Division supported the quality of this data but since the data was older than five years, the Division agreed that additional data collection was needed before a decision to list the entire segment could be made. The Commission placed the remainder of this segment on the M&E List while leaving the Humphrey Backwaters Area on the 303(d) List. Grand Junction and the River District have offered to collect data throughout the segment before the next 303(d) rulemaking hearing in 2012.

f. Upper South Platte Segment 16c

Upper South Platte Segment 16c is an all tributary segment and the Division proposed to place the entire segment on the 303(d) List for exceedances of *E. coli* and selenium.

E. coli: Denver Environmental Health (DEH) opposed listing all tributaries for both parameters. DEH put forward an alternative proposal for *E. coli* on this segment with some tributaries to be included on the 303(d) annually, some listed seasonally and one for the M&E List based on the attainment conclusions for each tributary individually. Those tributaries attaining the standard were not proposed for either list. The Division reviewed their proposal and agreed that it is a reasonable approach for *E. coli.* The Commission adopted the alternative proposal as presented by DEH.

Selenium: DEH also asked that the Commission to only list those tributaries that have selenium data on the 303(d) List. The Division opposed this alternative proposal. The Division pointed out that unlike the data found on *E. coli* for these tributaries, everywhere that selenium data was collected, exceedances were found. The Commission chose to place the entire segment on the 303(d) List for selenium.

g. Fountain Creek Segments 2a and 2b

The Division originally proposed to change the *E. coli* listing on Segment 2a from annual to seasonal (May through October) and to add Segment 2b to the 303(d) List seasonally. Rocky Mountain Environmental Labor Coalition/Sierra Club and Bill Thiebaut, District Attorney for the 10th Judicial District, asked that the listing be considered for the entire year for both segments as there are recreation uses in Fountain Creek year round. Through further investigation and reassessment of the data by the Division and the parties, data indicates that in Segment 2a, the *E. coli* standards are exceeded annually as opposed to seasonally as originally thought. In Segment 2b the exceedances were only found from May – October. The Commission chose to retain the listing on Segment 2a for *E. coli* annually and to add Segment 2b to the 303(d) List from May-October.

The Division also originally proposed to remove the selenium listings on Segment 2a and 2b. This proposal also received opposition from RMELC/Sierra Club and Bill Thiebaut as there are ongoing studies regarding selenium in Fountain Creek. Colorado Springs supported the Division's original proposal. Further investigation of acute selenium exceedances in Segment 2b in July 2005 prompted the Division and EPA to change their position prior to the hearing to retain this segment on the 303(d) List. The Commission agreed that this listing should remain on the 303(d) List until further evidence exist to support delisting. The Commission agreed with the Division that the data is meeting the ambient based standards in Segment 2a and removed the M&E listing for that segment.

h. Bear Creek (COSPBE05) – Swede Gulch and Kerr Gulch - *E. coli*

The Division originally proposed to list only Swede Gulch based on the Division's sampling at the mouth of the gulch. The Bear Creek Watershed Association (BCWA) identified this sampling location as Kerr Gulch. The Division used USGS and other maps indicating this as Swede Gulch. The Colorado Department of Transportation (CDOT) and residents identify this as Kerr Gulch. The Division met with the BCWA and agreed that the watershed, whatever the name of the stream, may be impacted by septic systems and livestock. The BCWA agreed to the development and implementation of a monitoring plan in the watershed to identify E. coli sources. The Division agreed that if the plan were implemented the priority of the listing should be changed from high to low to allow time for sampling and development of stakeholder involvement. The Commission agreed with the Division and the BCWA's plan for Swede Gulch and Kerr Gulch.

i. Clear Creek (COSPCL14b) – Manganese

The Division proposed to add manganese to the list of impairment parameters of Clear Creek segment 14b. During the 2009 South Platte River Basin RMH a new site-specific manganese standard was established for the segment. In the development of the new site-specific standard for segment 14b, data from both Clear Creek segments 14a and 14b were combined to determine a single standard for both segments. This procedure was used since segment 14a has very limited data and it was felt averaging would establish a more realistic standard. As it turns out when segment 14b only data is assessed against the new standard developed using data from both segments, the few samples from segment 14a with a lower ambient manganese concentration skewed the development of the site-specific standard enough that segment 14b data exceeds the new standard.

Based on the fact that the segment 14b site-specific standard was developed using data from the upstream segment it is not possible to evaluate if the segment is in attainment of the manganese standard. The proper site-specific standard indicating ambient conditions should be equivalent to the current assessment value and would not indicate impairment since they are the same dataset.

After reviewing the development of the segment 14b site-specific manganese standard, the Division agreed with MillerCoors that the Clear Creek segment should not be listed for exceeding the manganese standard. The Commission agreed with the Division and MillerCoors that Clear Creek segment 14b should not be listed for manganese.

j. Juniata Reservoir (COGULG04a)

The Division originally proposed to list Juniata Reservoir on the 303(d) List for impairment of the Aquatic Life Use due to a Fish Consumption Advisory (FCA). A mercury FCA was issued for Juniata Reservoir in 2009. The Section 303(d) Listing Methodology 2010 Listing Cycle states at III.D.6 "Issuance of a FCA by CDPHE indicates impairment of an Aquatic Life Use classification for any waters so classified." The City of Grand Junction and Colorado Division of Wildlife proposed to either close the reservoir or change the reservoir to "catch and release" in order for the Division to remove the FCA and therefore remove the basis for inclusion on the 303(d) List. The Division stated that the FCA would not be lifted if the reservoir changed to catch and release and the only way that the FCA could be lifted at Juniata is if the reservoir was completely fenced and fishing access was prohibited. At the time of the hearing, no action had been taken and the FCA was still in effect. Therefore the Commission chose to add this segment to the 303(d) List.

k. Marston Reservoir (COSPUS22)

The Division proposed that Marston Reservoir as part of COSPUS22 be placed on the M & E List for non-attainment of the DO standard in the metalimnion. The Denver Water Board argued that Marston was not waters of the state and was not used for aquatic life uses. There was discussion about what constitutes waters of the state and it was decided that that decision was not appropriate for this hearing, since this hearing addresses all waters for which classifications and standards have been adopted. The Commission decided to include Marston Reservoir on the 2010 M & E List because it fits within the description of waters in Upper South Platte segment 22.

C. Revisions to Monitoring and Evaluation List

1. Introduction

This regulation updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the Regulation was promulgated in 2008.

2. List Development

See the discussion of list development under subsection B.2 above.

3. Prioritization and Scheduling

The Division remains committed to establishing a plan for monitoring and evaluating these water bodies prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Data Quality

See the discussion of data quality under subsection B.2.c above.

5. New Table Value Standards

Cadmium and Zinc: As part of the Basic Standards hearing of 2005, new zinc and cadmium table values were adopted. The acute and chronic zinc and cadmium equations in each basin were modified to conform to Regulation No. 31 over the last four years. An increase in cadmium listings were the result of a more stringent cadmium standard.

The following segments were added to the M&E List for cadmium:

- Gunnison River, San Miguel Segment 3a
- South Platte, Boulder Creek Segment 14, Barker Reservoir
- Boulder Creek Segments 2a, 2b, 3, 9 10 and 14
- Clear Creek Segment 6, Hoop Creek
- Cache la Poudre Segment 13a
- Upper South Platte Segment 3, Hawkins Gulch
- Cache La Poudre Segment 9

6. Listings Due to Exceedances of the Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, manganese and sulfate, the less restrictive of the following two options will apply as the numeric standard: existing quality as of January 1, 2000 or the table value criteria in Regulation No. 31, Tables II and III. For dissolved iron this value is 300 ug/l. For manganese this value is 50 ug/l. For sulfate this value is 250 ug/l.

The Division evaluated the water quality as of January 1, 2000 to determine in some cases where standards exceeded the water supply criteria in Tables II and III. The following segments were proposed for listing based on exceedances of the standards:

- Upper Colorado, Yampa River Segments 2a: Manganese

- Upper Colorado, Yampa River Segments 3: Manganese and Dissolved Iron

7. Delisting of Segments where Water Quality is Currently Meeting Standards

As additional water quality data is collected and assessed, new data may show attainment of the standards. The following segments and parameters have been removed from the M&E List due to attainment of current water quality standards:

- Fountain Creek Segment 2a: Selenium

- Fountain Creek Segment 3, Bear Creek and Cheyenne Creek: Sediment

- Middle Arkansas Segment 14: *E. coli*

- Upper Arkansas Segment 5, Turquiose Lake: D.O.

- Upper Arkansas Segment 13: Sediment

- Lower Colorado Segment 4a: Selenium

- Lower Colorado Segment 11h: Total Recoverable Iron

- Lower Colorado Segment 13b: D.O. and *E. coli*

- St. Vrain Segment 2: Sediment

- St. Vrain Segment 3: *E. coli*

- Upper South Platte Segment 2a: Sediment

- Upper South Platte Segment 3: Sediment and Temperature

- Upper South Platte Segment 4 (North Fork South Platte and Buffalo Creek): Sediment

- Upper South Platte Segment 6a: Sediment

- Upper Colorado, Yampa River Segment 3 (First Creek): Sediment

- Upper Colorado, Yampa River Segment 19 (Oliver Creek): Sediment

- Upper Colorado, North Platte River Segment 4a: Sediment

- Gunnison River, Uncompahgre Segment 3b, Ridgway Reservoir: D.O.

- Gunnison River, San Miguel Segment 7a: Total Recoverable Iron

- Lower Colorado, White River Segment 22: Sediment

- Upper Colorado, Blue River Segment 18: *E. coli*

8. Segments Moved to the 303(d) List

As additional water quality data is collected and assessed, a segment may be moved from the M&E List to the 303(d) List once the non-attainment is confirmed. In general, segments with less than 10 data points will be placed on the M&E List until more data is collected. The following segments and parameters have been moved from the M&E List to the 303(d) List due to additional data collection:

- Lower Arkansas Segment 5b: D.O.

- San Miguel Segment 3a: Cadmium

- Upper Gunnison Segment 29a, Deadman Gulch: Cd, Cu, Mn, Zn, Fe(Trec)

- Big Thompson Segment 4b: Selenium

- Boulder Creek Segment 8: Selenium

- Upper Colorado Segment 12, Shadow Mountain Lake: D.O.

- Upper Colorado, Yampa River Segment 3 (Bushy Creek): Sediment

- Upper South Platte 5a: Cadmium, copper and zinc

9. Dissolved Oxygen Standard in Lakes and Reservoirs

In 2008 the Commission directed the Division to work with parties in 2008 and 2009 on changes to the Listing Methodology in regards to dissolved oxygen. Refinement of assessment methods were discussed in workgroup meetings and included in the 2010 Listing Methodology. The dissolved oxygen standard is slated for revisions in the 2010 Basic Standards and Methodology, Regulation No. 31, RMH in June 2010.

The following segments were added to the M&E List due to exceedances of the dissolved oxygen standard in the metalimnion in at least one profile:

- Gunnison River, Uncompahgre Segment 14, Sweitzer Lake

- Rio Grande Segment 9, Beaver Creek Reservoir

- Big Dry Creek Segment 2, Standley Lake

- Boulder Creek Segment 14, Barker Reservoir

- Big Thompson Segment 12, Lake Loveland, Horseshoe Lake and Boyd Lake

- Big Thompson Segment 14, Lon Hagler Reservoir and Lonetree Reservoir

- Cache la Poudre Segment 14, Horsetooth Reservoir
- Lower South Platte Segment 3, North Sterling Reservoir
- Middle South Platte Segment 4, Barr Lake
- Middle South Platte Segment 7, Horse Creek Reservoir
- St. Vrain Creek Segment 7, Boulder Reservoir
- St. Vrain Segment 9, Union Reservoir
- St. Vrain Segment 13, Lake Thomas
- Upper South Platte Segment 16b, Aurora Reservoir
- Upper South Platte Segment 19, Tarryall Reservoir, Cheesman Reservoir, Elevenmile Reservoir, Spinney Mountain Reservoir
- Upper South Platte Segment 22, Marston Reservoir, Quincy Reservoir,
- Upper South Platte Segment 23, Vanderbilt Reservoir
- Upper Colorado Segment 5, Wolford Mountain Reservoir
- Upper Colorado, Yampa River Segment 2b, Stagecoach Reservoir

PARTIES TO THE RULEMAKING HEARING

1. Protect Urban River Environments (Confluence Kayaks and Telemark, Colorado Whitewater Association, Denver Trout Unlimited, The Shimoda Group, The Greenway Foundation)
2. Summit Water Quality Committee
3. Northwest Colorado Council of Governments
4. City of Boulder
5. City of Colorado Springs and Colorado Springs Utilities
6. City of Aurora
7. Denver Water
8. City and County of Denver
9. Bear Creek Watershed Association
10. City of Grand Junction
11. Northern Colorado Water Conservancy District
12. Metro Wastewater Reclamation District
13. Alamosa Riverkeeper
14. Bill Thiebaut, District Attorney for 10th Judicial District, Colorado
15. Farmers Reservoir and Irrigation Company
16. Barr Lake and Milton Reservoir Watershed Association
17. Colorado Division of Wildlife
18. City of Black Hawk and Black Hawk/Central City Sanitation District
19. Cherry Creek Basin Water Quality Authority
20. South Platte Coalition for Urban River Evaluation
21. Colorado River Water Conservation District
22. Grand County Water and Sanitation District #1, Winter Park Ranch Water and Sanitation District, Fraser Sanitation District, Winter Park Sanitation District
23. City of Westminster
24. The Rocky Mountain Environmental Labor Coalition and the Sierra Club

25. Colorado Stormwater Council
26. Seneca Coal Company
27. Littleton/Englewood Wastewater Treatment Plant
28. City of Arvada
29. MillerCoors LLC
30. Ute Water Conservancy District, acting by and through the Ute Water Activity Enterprise
31. US Environmental Protection Agency

93.14 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 2011 RULEMAKING, EFFECTIVE DATE OF MARCH 30, 2012

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the Regulation was revised in 2010. This list was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

This regulation also updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the Regulation was revised in 2010.

2. List Development

a. Listing Methodology

The "Section 303(d) Listing Methodology - 2012 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission administrative action hearing in March 2011.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2012 Section 303(d) List and the 2012 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

The Commission has considered all existing and readily available information in developing the 2012 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the Division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The Division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2012 listing decisions. Such information will be considered in the next listing cycle.

c. Data Quality

In the Water Quality Control Division's (WQCD) Quality Management Plan 2011 for the Collection and Utilization of Environmental Data, the WQCD states that "It is the expressed goal of the Division to use only those analytical data that are both reliable and have a defined level of quality."

3. Prioritization

The objective of prioritization is to identify those waterbody segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV. of the 2012 Section 303(d) Listing Methodology.

The Division remains committed to establishing a plan for monitoring and evaluating water bodies on the M&E List prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Fish Mercury (Hg) Listings

The 303(d) Listing Methodology was revised in 2012 for the assessment of Fish Mercury (Hg). The newly adopted methods compare the median fish Hg for each waterbody and species to a 0.3 ppm threshold. A sample size requirement of 30 fish tissue samples per waterbody/species was also introduced in order to list new waterbodies for Fish Hg. Waterbodies can also be listed if there is overwhelming evidence of impairment (>0.45 ppm Hg) and a sample size of at least 10 fish tissue samples.

The Commission retained the following 6 lakes on the 303(d) List because these lakes have a median Hg above the 0.3 ppm threshold and either meet the sample size requirements or show overwhelming evidence of impairment:

- Upper South Platte Segment 23, Berkeley Lake (COSPUS23)

- Upper Arkansas Segment 27, Brush Hollow Reservoir (COARUA27)

- Cache la Poudre Segment 14, Horsetooth Reservoir (COSPCP14)

- Upper South Platte Segment 17a, Rocky Mountain Lake (COSPUS17a)

- Lower Arkansas Segment 5b, Trinidad Reservoir (COARLA05b)

- Los Pinos Segment 3, Vallecito Reservoir (COSJPN03)

The Commission retained the following 10 lakes on the 303(d) List because they were on the 303(d) List prior and have a median Hg of greater than 0.3 ppm. Although the 2012 Listing Methodology requires a minimum sample size of thirty fish, the Commission chose to retain these segments on the 303(d) List as opposed to the Monitoring and Evaluation List:

- Big Thompson Segment 11, Carter Reservoir (COSPBT11)

- Yampa River Segment 2b, Catamount Reservoir (COUCYA02b)

- San Juan Segment 6a, Echo Canyon Reservoir (COSJSJ06a)

- Yampa River Segment 2b, Elkhead Reservoir (COUCYA02b)

- Middle Arkansas Segment 16, Horseshoe Lake– Lathrop (COARMA16)

- Dolores River Segment 4, McPhee Reservoir (COSJDO04)

- Los Pinos, Segment 11, Narraguinnep Reservoir (COSJLP11)

- Lower Colorado Segment 20, Rifle Gap Reservoir (COLCLC20)

- La Plata Segment 11, Totten Reservoir (COSJLP11)

- Upper Arkansas Segment 14b, Teller Reservoir (COARUA14b)

The Commission retained the following 2 lakes on the 303(d) List because they were on the 303(d) List prior to the adoption of the new assessment methods. With median Fish Hg concentrations below 0.3 ppm, they will not be removed from the 303(d) List, however, until a minimum of 30 fish are collected:

- Big Thompson Segment 12, Boyd Lake (COSPBT12)

- Upper Colorado Segment 12, Lake Granby (COUCUC12)

The Commission added the following 3 lakes on the Monitoring and Evaluation List because they have a median Fish Hg of greater than 0.3 ppm but the sample size is insufficient for Listing:

- North Platte Segment 4a, Big Creek Lake (COUCNP04a)

- Boulder Segment 15, Gross Reservoir (COSPBO15)

- Big Thompson Segment 14, Lonetree Reservoir (COSPBT14)

The Commission removed the following lake from the 303(d) List. Additional data was collected meeting the minimum sample size requirement of thirty fish. Median Fish Hg concentrations are below the 0.3 ppm, threshold.

- Lower Gunnison Segment 4, Juniata Reservoir (COGULG04)

The Commission retained one listing based on non-attainment of the aquatic life use due to a PCE fish consumption advisory in Willow Springs Ponds, Fountain Creek, Segment 7a.

5. Aquatic Life Listings

280 Multimetric Index (MMI) scores were calculated for the 2012 listing cycle, utilizing the Water Quality Control Commission's (WQCC) Policy 10-1, Aquatic Life Use Attainment. Of the 280 MMI scores generated, 48 segments were found to be not attaining the Aquatic Life Use standard. From those segments, or portions of segments, determined to be in non-attainment, 31 will be provisionally listed, as there is currently no water quality data available to indicate impairment. This is in accordance with the Section 303(d) Listing Methodology for the 2012 Listing Cycle, approved by the WQCC in March 2011. The Commission anticipates that the Division will collect additional data for these segments in the next two years to continue the investigation into potential sources. Because of the site-specific nature of macroinvertebrate data, waterbodies in all tributary segments that were identified as impaired for their Aquatic Life Use were listed individually.

The following segment was 303(d) listed for non-attainment of the Aquatic Life Use based on Policy 10-1:

- White River, Segment 13c, Yellow Creek (COLCWH13c)

The following segments were provisionally 303(d) listed for non-attainment of their Aquatic Life Use based on Policy 10-1:

- Upper Arkansas Segment 21a, Cripple Creek (COARUA21a)
- San Miguel Segment 12, Maverick Draw (COGUSM12)
- Upper Gunnison Segment 6b, Cement Creek (COGUUG06b)
- Upper Gunnison Segment 15, S. Beaver Creek (COGUUG15)
- Upper Gunnison Segment 24, Cochetopa Creek from Forest Road 3076/Co. Rd 43 to confluence with Tomichi Creek (COGUUG24)
- Upper Gunnison Segment 29a, Lake Fork Gunnison River between Cooper and Silver Creek (COGUUG29a)
- Uncompahgre Segment 11, Deer Creek (COGUUN11)
- Lower Yampa Segment 22a, Talamantes Creek COLCLY22a)
- White River Segment 15, Piceance Creek (COLCWH15)
- White River Segment 20, Black Sulphur Creek (COLCWH20)
- White River Segment 23, West Douglas Creek (COLCWH23)
- Rio Grande Segment 12, Rio Grande River (CORGRG12)
- Bear Creek Segment 1a, Bear Creek from Witter Gulch to inlet to Evergreen Lake (COSPBE01a)

- Boulder Creek Segment 9, Boulder Creek from 107th Street to confluence with Coal Creek (COSPBO09)

- Clear Creek Segment 14a, Clear Creek from Croke Canal diversion to McIntyre Street (COSPCL14a)

- St. Vrain Segment 3, St. Vrain Creek (COSPSV03), from Left Hand Creek confluence to confluence with Boulder Creek

- Upper South Platte Segment 3, Horse Creek (COSPUS03)

- Upper South Platte Segment 10a, West Plum Creek (COSPUS10a)

- Upper South Platte Segment 11a, Cook Creek (COSPUS11a)

- Eagle River Segment 6, Lake Creek (from below the confluence with East and West Lake Creek to the mouth), and Red Sandstone Creek (from north side I-70 Frontage Road to the confluence with Gore Creek) (COUCEA06)

- Eagle River Segment 8, Gore Creek (COUCEA08)

- Roaring Fork Segment 3a, Roaring Fork from Hunter Creek to Brush Creek confluence, Cattle Creek from Bowers Gulch to Mouth, W. Sopris Creek (COUCRF03a)

- Roaring Fork Segment 4, Brush Creek (COUCRF04)

- Roaring Fork Segment 7, South Fork Frying Pan River from transbasin diversion to confluence with unnamed tributary (COUCRF07)

- Upper Colorado Segment 10a, Fraser River, Vasquez Creek (COUCUC10a)

- Yampa River Segment 15, Elkhead Creek (COUCYA15)

The following segments were included on the M&E List for possible non-attainment of their Aquatic Life Use based on Policy 10-1:

- Bear Creek Segment 1e, Bear Creek (COSPBE01e)

- White River Segment 13b, Duck Creek (COLCWH13b)

- Eagle River Segment 6, Black Gore Creek Beaver Creek (from Wayne Creek to Mouth), Red Sandstone Creek (from USFS boundary to north side I-70 Frontage Road) (COUCEA06)

- Eagle River Segment 9a, Eagle River (from confluence with Berry Creek to confluence with Squaw Creek) (COUCEA09a)

Several segments were found to have data outside of the standard index period for data collection. The Commission included these segments on the Monitoring and Evaluation (M&E) List in order to gather more information within the standard index period. The following segments were listed on the M&E List for possible non-attainment of their Aquatic Life Use based on Policy 10-1:

- Fountain Creek Segment 4, Sand Creek (COARFO04)

- Upper Arkansas Segment 5, Lake Fork Creek (COARUA05)

- Upper Gunnison Segment 8, Slate River (COGUUG08)

- Saint Vrain Segment 3, Saint Vrain Creek from Hover Road to the confluence with Left Hand Creek (COSPSV03)

- Boulder Creek Segment 7b, Coal Creek (COSPBO07b)

- Bear Creek Segment 2, Bear Creek (COSPBE02)

- Clear Creek Segment 1, Kearney Gulch, Grizzly Gulch (COSPCL01)

Various parties questioned whether or not the data collected below reservoirs should be evaluated as being representative of an entire stream segment. They recommend that listings below reservoirs be placed on the M&E List while the applicability of the current thresholds below reservoirs is investigated. The Division agreed that a study was warranted and changed its proposal to the M&E List. The Commission placed the following segments on the M&E List for possible non-attainment of their Aquatic Life Use:

- COUCBL17, Blue River from outlet of Dillon Reservoir to N. Rock Creek confluence

- COARUA05, Lake Fork below Sugarloaf Dam

- COSPUS02a, South Fork South Platte River below Antero

- COSPUS06a, South Platte River below Cheesman at Cheesman Canyon

- COSPUS03, Trout Creek below Manitou Reservoir Dam

- COUCUC03, Colorado River from below Windy Gap Reservoir to FR 538

Several segments were found to have data outside of the assessed period of record. Therefore, the Division proposed to remove them from both the 303(d) and M&E Lists. The Commission did not include these segments on either list:

- Upper Arkansas Segment 5, S. Cottonwood Creek (COARUA05)

- Upper Arkansas Segment 18, Currant Creek (COARUA18)

- San Miguel Segment 2, Howard Fork (COGUSM02)

- Rio Grande Segment 2, South Clear Creek (CORGRG02)

- Animas and Florida Segment 13c, Salt Creek (COSJAF13c)

- Big Thompson Segment 2, Big Thompson River (COSPBT02)

- Blue River Segment 17, Blue River from N. Rock Creek confluence to Colorado River (COUCBL17)

- North Platte Segment 4a, Snyder Creek (COUCNP04a)

- Upper Colorado Segment 7a, Big Alkali Creek (COUCUC07a)

Other issues were raised in this rulemaking hearing in regards to listing decisions based on the assessment of macroinvertebrate data. In October 2010, the Commission adopted the Aquatic Life Use Attainment WQCC Policy 2010-1 which determined that the Colorado MMI is an appropriate tool for the quantitative bioassessment of the health of aquatic communities. The Commission adopted the 2012 Listing Methodology in March 2011. This Regulation No. 93 rulemaking hearing is the first occasion where the policies adopted by the Commission in Policy 2010-1 are being implemented into regulation. The Division followed the policies as defined in the methodologies to the intent for which they were adopted. The Commission recognizes that some of the policy decisions that were questioned by various parties may need additional review. The Commission directs the Division and interested parties to review WQCC Policy 2010-1 and the 2012 Listing Methodology and make appropriate changes in regards to the use of data for the MMI tool.

6. Listings Due to Exceedances of the Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, manganese and sulfate, the less restrictive of the following two options will apply as the numeric standard: existing quality as of January 1, 2000 or the table value criteria in Regulation No. 31, Tables II and III. For dissolved iron this value is 300 ug/l. For manganese this value is 50 ug/l. For sulfate this value is 250 mg/l.

The Division evaluated the water quality as of January 1, 2000 to determine in some cases where standards exceeded the water supply criteria in Tables II and III. The following segments were included on the 303(d) listing based on exceedances of the standards:

- Lower Gunnison Segment 4a, Whitewater Creek from below Brandon Ditch to confluence with Gunnison River: Manganese, Sulfate (COGULG04a)

- North Fork Segment 6b, Alum Gulch: Sulfate (COGUNF06b)

- Upper Gunnison Segment 11, Coal Creek: Manganese (COGUUG11)

- Upper Gunnison Segment 29a, Lake Fork Gunnison River: Manganese (COGUUG29a)

- Upper Gunnison Segment 32, N. Fork Henson Creek: Manganese (COGUUG32)

- Uncompahgre Segment 2, Uncompahgre River: Manganese (COGUUN02)

- Animas and Florida Segment 5a, Animas River: Manganese (COSJAF05a)

- La Plata Segment 4a, E. Mancos River, Manganese (COSJLP04a)

- Big Thompson Segment 8, Little Thompson River: Sulfate (COSPBT08)

- Clear Creek Segment 15, Clear Creek: Manganese (COSPCL15)

- Saint Vrain Segment 5, Left Hand Creek: Manganese (COSPSV05)

- Blue River Segment 2a, Blue River: Manganese (COUCBL02a)

- Upper Colorado Segment 3, Colorado River: Manganese (COUCUC03)

The following segments were included on the M&E List:

- Lower Gunnison Segment 4a, Callow Creek, Cummings Gulch, Peach Valley Creek: Sulfate (COGULG04a)

- Lower Gunnison Segment 4b, Kannah Creek: Sulfate (COGULG04b)
- North Fork Segment 6b, Cottonwood Creek: Manganese, Sulfate (COGUNF06b)
- San Miguel Segment 8, S. Fork San Miguel River: Manganese (COGUSM08)
- Upper Gunnison Segment 15, S. Beaver Creek: Manganese, Dissolved Iron (COGUUG15)
- Upper Gunnison Segment 17, Antelope Creek: Manganese (COGUUG17)
- Upper Gunnison Segment 23, Cochetopa Creek: Dissolved Iron (COGUUG23)
- Uncompahgre Segment 11, Cow Creek: Sulfate (COGUUN11)
- Piedra River Segment 6a, Stollsteimer Creek: Sulfate (COSJPI06a)

7. Delisting of Segments with Recently Approved TMDLs

The Division submitted 26 TMDLs to EPA in the last biennium that have been approved. The following segments and parameters have been removed from the 303(d) List:

- Arkansas, Upper Arkansas Segment 10, Lake Creek: Cu (COARUA10)
- Gunnison, Lower Gunnison Segment 2, Gunnison River: Se (COGULG02)
- Gunnison, Lower Gunnison Segment 4a, Tributaries to Gunnison River: Se (COGULG04a)
- Gunnison, Lower Gunnison Segment 4c, Red Rock Creek: Se (COGULG04c)
- Gunnison, North Fork Segment 3, North Fork Gunnison River: Se (COGUNF03)
- Gunnison, North Fork Segment 5, Leroux Creek, Jay Creek: Se (COGUNF05)
- Gunnison, North Fork Segment 6a, Short Draw: Se (COGUNF06a)
- Gunnison, North Fork Segment 6b, Big Gulch, Cottonwood Creek: Se (COGUNF06b)
- Gunnison, San Miguel Segment 3a, San Miguel River: Cd (COGUSM03a)
- Gunnison, San Miguel Segment 6a, Ingram Creek: Cd (COGUSM06a)
- Gunnison, San Miguel Segment 6b, Marshall Creek: Cd (COGUSM06b)
- Gunnison, Upper Gunnison Segment 30, Henson Creek: Cd, Zn(sc) (COGUUG30)
- Gunnison, Upper Gunnison Segment 31, Palmetto Gulch: Cd, Zn (COGUUG31)
- Gunnison, Uncompahgre Segment 4b, Uncompahgre River: Se (COGUUN04b)
- Gunnison, Uncompahgre Segment 4c, Uncompahgre River: Se (COGUUN04c)
- Gunnison, Uncompahgre Segment 12, Tributaries to Uncompahgre River: Se (COGUUN12)

- South Platte, Boulder Segment 2b, Boulder Creek from 13th Street to the confluence with South Boulder Creek: *E. coli* (COSPBO02b)

- South Platte, Boulder Segment 4a, Gamble Gulch: Cd (COSPBO04a)

- South Platte, Upper South Platte Segment 5a, Geneva Creek: Cd, Cu, Zn (COSPUS05a)

- South Platte, Upper South Platte Segment 5b, Geneva Creek: Cd (COSPUS05b)

- South Platte, Upper South Platte Segment 15, South Platte River: Cd (COSPUS15)

- Upper Colorado, Blue River Segment 12, Illinois Gulch: Cd (COUCBL12)

8. Delisting of Segments where Water Quality is Currently Meeting Standards

As additional water quality data is collected and assessed, new data may show attainment of the standards. The following segments and parameters have been removed from the 303(d) List due to attainment of current water quality standards:

- Arkansas, Fountain Creek Segment 1a, Fountain Creek: Se (COARFO01a)

- Arkansas, Fountain Creek Segment 2b, Fountain Creek: Se (COARFO02b)

- Arkansas, Fountain Creek Segment 6, Monument Creek below Mesa Road: Se (COARFO06)

- Arkansas, Lower Arkansas Segment 4, Lorencito Canyon: Se (COARLA04)

- Arkansas, Lower Arkansas Segment 5a, Purgatoire River: Se (COARLA05a)

- Gunnison, Lower Dolores Segment 1, Dolores River: Fe(Trec) (COGULD01)

- Gunnison, Lower Gunnison Segment 2, Gunnison River: SO_4 (COGULG02)

- Gunnison, Lower Gunnison Segment 8, Kannah Creek: Se (COGULG08)

- Gunnison, Upper Gunnison Segment 11, Coal Creek: Pb (COGUUG11)

- Lower Colorado, Lower Colorado Segment 3, Colorado River mainstem: Se (COLCLC03)

- South Platte, Middle South Platte Segment 4, Barr Lake: NH_3 (COSPMS04)

- South Platte, Upper South Platte Segment 23, Barnum Lake: *E. coli* (COSPUS23)

The following segments and parameters have been removed from the M&E List due to attainment of current water quality standards:

- Arkansas, Upper Arkansas Segment 20, North Fork Wilson Creek: Cu (COARUA20)

- Arkansas, Upper Arkansas Segment 27, Brush Hollow Reservoir: pH (COARUA27)

- Gunnison, Lower Gunnison Segment 7, Surface Creek: Fe(Trec) (COGULG07)

- Gunnison, Lower Gunnison Segment 7, Ward Creek: Se (COGULG07)

- Gunnison, San Miguel Segment 2, Bilk Creek: Cd (COGUSM02)
- Gunnison, Upper Gunnison Segment 7, Slate River: Cd (COGUUG07)
- Gunnison, Upper Gunnison Segment 16, Ohio Creek: Zn(sculpin) (COGUUG16)
- Upper Gunnison Segment 17, Antelope Creek: Dissolved Oxygen (COGUUG17)
- Gunnison, Upper Gunnison Segment 18, Tomichi Creek: *E. coli* (COGUUG18)
- Gunnison, Upper Gunnison Segment 32, N. Fork Henson Creek: Pb, Zn(sculpin) (COGUUG32)
- Gunnison, Uncompahgre Segment 8, Mineral Creek: Cd (COGUUN08)
- Lower Colorado, Lower Colorado Segment 2b, Colorado River mainstem: Se (COLCLC02b)
- Rio Grande, Alamosa Segment 11, La Jara Reservoir: Cu, Se, Zn (CORGAL11)
- South Platte, Big Thompson Segment 11, Carter Lake: Cu (COSPBT11)
- South Platte, Big Thompson Segment 16, Lake Estes: As (COSPBT16)
- South Platte, Cache la Poudre Segment 14, Horsetooth Reservoir: D.O. (COSPCP14)
- South Platte, Lower South Platte Segment 3, N. Sterling and Jumbo Reservoirs: pH (COSPLS03)

9. Dissolved Oxygen Standard in Lakes and Reservoirs

Twenty-eight lakes were previously on the M&E List due to low dissolved oxygen (DO) in the metalimnion. With the adoption of a revised DO standard in 2011, the Division proposed to remove 24 of these lakes from the M&E list because the lakes are now in attainment. Barr Lake was proposed for the 303(d) List for DO because recent data show non-attainment. The Division proposed that Horse Creek Reservoir, North Sterling Reservoir and Lake Thomas remain on the M&E list for DO either because of a minimal sample size (n=1) or due to concerns of the representative nature of the data. The Commission supported the Division's proposal.

Lakes now in attainment with the revised DO standard:

- Upper South Platte Segment 16b, Aurora Reservoir (COSPUS16b)
- Boulder Segment 14, Barker Reservoir (COSPBO14)
- Bear Creek Segment 1c, Bear Creek (COSPBE01C)
- Rio Grande Segment 9, Beaver Creek Reservoir (CORGRG09)
- St. Vrain Segment 7, Boulder Reservoir (COSPSV07)
- Big Thompson Segment 12, Boyd Lake (COSPBT12)
- Upper South Platte Segment 19, Cheesman Reservoir (COSPUS19)

- Cherry Creek Segment 2, Cherry Creek Reservoir (COSPCH02)
- Upper South Platte Segment 19, Elevenmile Reservoir (COSPUS19)
- Big Thompson Segment 12, Horseshoe (Loveland) Lake (COSPBT12)
- Cache la Poudre Segment 14, Horsetooth Reservoir (COSPCP14)
- Big Thompson Segment 14, Lon Hagler Reservoir (COSPBT14)
- Big Thompson Segment 14, Lonetree Reservoir (COSPBT14)
- Big Thompson Segment 12, Lake Loveland (COSPBT12)
- Upper South Platte Segment 22, Marston Reservoir (COSPUS22) - Now identified as Bear Creek Segment 11 (COSPBE11)
- Upper South Platte Segment 16c, Quincy Reservoir (COSPUS16c)
- Upper South Platte Segment 19, Spinney Mountain Reservoir (COSPUS19)
- Yampa River Segment 2b, Stagecoach Reservoir (COUCYA02b)
- Big Dry Segment 2, Standley Lake (COSPBD02)
- Uncompahgre River Segment 14, Sweitzer Reservoir (COGUUN14)
- Upper South Platte Segment 2a, Tarryall Reservoir (COSPUS02a)
- St. Vrain Segment 9, Union Reservoir (COSPSV09)
- Upper South Platte Segment 23, Vanderbilt Lake, Harvey Lake, Duck Lake (COSPUS23)
- Upper Colorado Segment 5, Wolford Mountain Reservoir (COUCUC05)

The Commission moved the following lakes to the 303(d) List for D.O.:

- Middle South Platte Segment 4, Barr Lake (COSPMS04)
- Middle South Platte Segment 7, Horse Creek Reservoir (COSPMS07)
- Upper South Platte Segment 23, Vanderbilt Lake (COSPUS23)

The Commission retained the following lakes on the M&E List for D.O.:

- Lower South Platte Segment 3, North Sterling Reservoir (COSPLS03)
- St. Vrain Segment 7, Thomas Reservoir (COSPSV07)

10. Listing of Segments where Water Quality is not Meeting Standards not Identified Above

The following segments or parameters were added to the 303(d) List due to exceedances of water quality standards not identified above:

- Arkansas, Upper Arkansas Segment 20, North Fork Wilson Creek: As (COARUA20)

- Gunnison River, Lower Gunnison Segment 3, Eggleston Reservoir: Fe(Trec) (COGULG03)

- Gunnison River, Lower Gunnison Segment 7, Tongue Creek: Fe(Trec) (COGULG07)

- Gunnison River, Lower Gunnison Segment 13, Crawford Reservoir: D.O. (temperature) (COGULG13)

- Gunnison River, North Fork Gunnison Segment 4, East Muddy Creek: Fe(Trec) (COGUNF04)

- Gunnison River, North Fork Gunnison Segment 6b, Alum Gulch: SO_4, Fe(Trec) (COGUNF06b)

- Gunnison River, San Miguel Segment 2, Bear Creek: Cd, Zn(sc) (COGUSM02)

- Gunnison River, San Miguel Segment 2, Howard Fork abv Swamp Gulch: pH, D.O. (COGUSM02)

- Gunnison River, San Miguel Segment 11, Miramonte Reservoir: D.O. (temperature) (COGUSM11)

- Gunnison River, Upper Gunnison Segment 9, Coal Creek: As (COGUUG09)

- Gunnison River, Upper Gunnison Segment 11, Elk Creek: As (COGUUG11)

- Gunnison River, Upper Gunnison Segment 11, Coal Creek: Cd, Zn, As (COGUUG11)

- Gunnison River, Upper Gunnison Segment 12, Coal Creek: Cu (COGUUG12)

- Gunnison River, Upper Gunnison Segment 26, Blue Creek: Cu (COGUUG26)

- Gunnison River, Uncompahgre Segment 4c, Uncompahgre River: Fe(Trec) (COGUUN04c)

- Gunnison River, Uncompahgre Segment 6a, Red Mountain Creek: Ag, Cu (COGUUN06a)

- Gunnison River, Uncompahgre Segment 7, Gray Copper Gulch: Cu (COGUUN007)

- Gunnison River, Uncompahgre Segment 9, Sneffels Creek: Cd, (COGUUN09)

- Gunnison River, Uncompahgre Segment 12, Dry Creek: Fe(Trec) (COGUUN12)

- Gunnison River, Uncompahgre Segment 12, Loutzenhizer Arroyo: Fe(Trec) (COGUUN12)

- Gunnison River, Lower Dolores Segment 5, Roc Creek: Cu, Fe(Trec) (COGULD05)

- Lower Colorado, Lower Colorado Segment 13b, Leach Creek: *E. coli*, Fe(Trec) (COLCLC013b)

- Lower Colorado, White River Segment 13c, Yellow Creek: Fe(Trec) (COLCWH13c)

- Lower Colorado, White River Segment 14a, Piceance Creek from Willow Creek to Hunter Creek: Fe(Trec) (COLCWH14a)

- San Juan/Dolores Rivers, Animas and Florida Segment 3c, Arrastra Gulch: Cd, Zn COSJAF03c)

- San Juan/Dolores Rivers, Animas and Florida Segment 4a, Animas River: Al(Trec) (COSJAF04a)

- San Juan/Dolores Rivers, La Plata Segment 1, La Plata River: Ag (COSJLP01)

- San Juan/Dolores Rivers, La Plata Segment 4a, E. Mancos River: D.O. (COSJLP04a)

- San Juan/Dolores Rivers, La Plata Segment 4a, Mancos River: D.O. (COSJLP04a)

- San Juan/Dolores Rivers, La Plata Segment 7a, McElmo Creek: Fe(Trec), *E. coli* (COSJLP07a)

- San Juan/Dolores Rivers, La Plata Segment 8a, Mud Creek: Se (COSJLP08a)

- San Juan/Dolores Rivers, La Plata Segment 8a, Trail Canyon: Fe(Trec) (COSJLP08a)

- San Juan/Dolores Rivers, San Juan Segment 6a, Echo Canyon Reservoir: DO (Temperature) (COSJSJ06a)

- South Platte, Bear Creek Segment 1a, Bear Creek: Temperature (COSPBE01a)

- South Platte, Bear Creek Segment 1e, Bear Creek: Temperature (COSPBE01e)

- South Platte, Cherry Creek Segment 3, Cherry Creek: Fe(Trec) (COSPCH03)

- South Platte, Clear Creek Segment 17b, Ralston Creek: U (COSPCL17b)

- South Platte, Upper South Platte Segment 17a, Smith Lake: NH_3 (COSPUS17a)

- South Platte, St. Vrain River Segment 5, Left Hand Creek: Cu (COSPSV05)

- Upper Colorado, Eagle River Segment 9a, Eagle River from Ute Creek to Rube Creek: Temperature (COUCEA09a)

- Upper Colorado, Eagle River Segment 9a, Eagle River from Berry Creek to Squaw Creek: Sediment (COUCEA09a)

- Upper Colorado, North Platte Segment 9, Lake John: D.O. (COUCNP09)

- Upper Colorado, Upper Colorado Segment 2, Willow Creek Reservoir: Mn (COUCUC02)

The following segments or parameters were added to the M&E List where there is a reason to suspect water quality problems, but there is also uncertainty.:

- Arkansas River, Fountain Creek Segment 2a, Fountain Creek: Fe(Trec)

- Gunnison River, Lower Gunnison Segment 3, Eggleston Reservoir: pH, Zn, Fe(Trec) (COGULG03)

- Gunnison River, Lower Gunnison Segment 4a, Callow Creek: *E. coli* (COGULG04a)
- Gunnison River, Lower Gunnison Segment 4a, Peach Valley Creek: Fe(Trec) (COGULG04a)
- Gunnison River, Lower Gunnison Segment 4a, Wells Gulch: pH (COGULG04a)
- Gunnison River, Lower Gunnison Segment 7, Ward Creek: Se (COGULG07)
- Gunnison River, Lower Gunnison Segment 7, Surface Creek: Pb (COGULG07)
- Gunnison River, Lower Gunnison Segment 12, Muddy Creek: *E. coli* (COGULG12)
- Gunnison River, North Fork Gunnison Segment 4, East Muddy Creek: Pb, Se (COGUNF04)
- Gunnison River, North Fork Gunnison Segment 4, Muddy Creek: *E. coli* (May-Oct) (COGUNF04)
- Gunnison River, North Fork Gunnison Segment 4, Island Reservoir: pH, Zn (COGUNF04)
- Gunnison River, North Fork Gunnison Segment 5, Leroux Creek: *E. coli* (COGUNF05)
- Gunnison River, North Fork Gunnison Segment 6a, Unnamed Tributary: Se (COGUNF06a)
- Gunnison River, North Fork Gunnison Segment 6b, Alum Gulch: Fe(Trec) (COGUNF06b)
- Gunnison River, North Fork Gunnison Segment 7, Paonia Reservoir: Zn (COGUNF07)
- Gunnison River, San Miguel Segment 2, Bear Creek: Pb (COGUSM02)
- Gunnison River, San Miguel Segment 2, Cornet Creek: Pb (COGUSM02)
- Gunnison River, San Miguel Segment 3b, San Miguel River: Pb (COGUSM03b)
- Gunnison River, San Miguel Segment 4a, San Miguel River: Pb (COGUSM04a)
- Gunnison River, San Miguel Segment 7a, Chapman Creek: Fe(Trec) (COGUSM07a)
- Gunnison River, San Miguel Segment 7a, Iron Bog Creek: pH, D.O. (COGUSM07a)
- Gunnison River, San Miguel Segment 10, Naturita Creek: *E. coli,* D.O. (COGUSM10)
- Gunnison River, San Miguel Segment 12, Mesa Creek: Se (COGUSM12)
- Gunnison River, San Miguel Segment 12, Calamity Draw: D.O. (COGUSM12)
- Gunnison River, San Miguel Segment 12, Specie Creek: D.O. (COGUSM12)
- Gunnison River, Upper Gunnison Segment 4, Taylor River: Pb (COGUUG04)
- Gunnison River, Upper Gunnison Segment 10, Redwell Creek: pH (COGUUG10)
- Gunnison River, Upper Gunnison Segment 15, S. Beaver Creek: Fe(Trec) (COGUUG15)

- Gunnison River, Upper Gunnison Segment 16, Ohio Creek: *E. coli* (COGUUG16)
- Gunnison River, Upper Gunnison Segment 17, Antelope Creek: *E. coli* (COGUUG17)
- Gunnison River, Upper Gunnison Segment 23, Stewart Creek: Fe(Trec) (COGUUG23)
- Gunnison River, Upper Gunnison Segment 26, Mesa Creek: Cu (COGUUG26)
- Gunnison River, Upper Gunnison Segment 31, Palmetto Gulch: Ag (COGUUG31)
- Gunnison River, Uncompahgre Segment 2, Uncompahgre River: Pb (COGUUN02)
- Gunnison River, Uncompahgre Segment 3b, Ridgway Reservoir: Pb, Zn (COGUUN03b)
- Gunnison River, Uncompahgre Segment 4c, Uncompahgre River: Pb (COGUUN04c)
- Gunnison River, Uncompahgre Segment 7, Gray Copper Gulch: pH (COGUUN007)
- Gunnison River, Lower Dolores Segment 2, Dolores River: *E. coli* (COGULD02)
- Gunnison River, Lower Dolores Segment 3a, Disappointment Creek: Se, *E. coli* (COGULD03a)
- Gunnison River, Lower Dolores Segment 4, West Paradox Creek: *E. coli,* Fe(Trec) (COGULD04)
- Gunnison River, Lower Dolores Segment 5, Roc Creek: *E. coli* (COGULD05)
- Lower Colorado, Lower Colorado Segment 4b, South Canyon Hot Springs: Pb (COLCLC04b)
- San Juan/Dolores Rivers, Animas and Florida Segment 3c, Arrastra Gulch: Pb (COSJAF03c)
- San Juan/Dolores Rivers, Animas and Florida Segment 12a, Electra Reservoir: Ag, Zn (COSJAF12a)
- San Juan/Dolores Rivers, Animas and Florida Segment 13a, Junction Creek: Ag, *E. coli* (COSJAF13a)
- San Juan/Dolores Rivers, Upper Dolores Segment 11, Lost Canyon Creek: *E. coli* (COSJDO11)
- San Juan/Dolores Rivers, La Plata Segment 3a, Cherry Creek: Cu (COSJLP03a)
- San Juan/Dolores Rivers, La Plata Segment 4a, E. Mancos River: Pb (COSJLP04a)
- San Juan/Dolores Rivers, La Plata Segment 4a, Mancos River: Cu, Pb (COSJLP04a)
- San Juan/Dolores Rivers, La Plata Segment 8a, Tribs to McElmo Creek: *E. coli* (COSJLP08a)
- San Juan/Dolores Rivers, Piedra Segment 5, Williams Creek Reservoir: pH, Zn, Fe(Trec), D.O. (COSJPI05)

- San Juan/Dolores Rivers, Piedra Segment 8a, Williams Creek: pH, Cu (COSJPI05)

- San Juan/Dolores Rivers, Piedra Segment 6a, Stollsteimer Creek: Fe(Trec), *E. coli* (COSJPI06a)

- San Juan/Dolores Rivers, San Juan Segment 1, Navajo River: *E. coli* (COSJSJ01)

- San Juan/Dolores Rivers, San Juan Segment 5, San Juan River: Pb, (COSJSJ05)

- San Juan/Dolores Rivers, San Juan Segment 6a, San Juan River: Pb, Cu (COSJSJ06a)

- San Juan/Dolores Rivers, San Juan Segment 6a, Echo Canyon Reservoir: pH (COSJSJ06a)

- San Juan/Dolores Rivers, San Juan Segment 9a, Rio Blanco: Ag, Pb (COSJSJ09a)

- San Juan/Dolores Rivers, San Juan Segment 10, Rito Blanco: *E. coli* (COSJSJ10)

- South Platte, Upper South Platte Segment 17a, Rocky Mountain Lake: Cu, DO (COSPUS17a)

- South Platte, Upper South Platte Segment 23, Huston Lake: *E. coli* (COSPUS23)

- Upper Colorado, Eagle River Segment 9a, Eagle River from Berry Creek to Ute Creek: Temperature (COUCEA09a)

- Upper Colorado, Eagle River Segment 9a, Eagle River from Gore Creek to Berry Creek and from Squaw Creek to Rube Creek: Sediment (COUCEA09a)

- Upper Colorado, Upper Colorado Segment 10c, Fraser River: Pb (COUCUC10c)

11. Segments Moved to the 303(d) List

As additional water quality data is collected and assessed, a segment may be moved from the M&E List to the 303(d) List once the non-attainment is confirmed. In general, segments with less than 10 data points will be placed on the M&E List until more data is collected. The following segments and parameters have been moved from the M&E List to the 303(d) List due to additional data collection:

- Arkansas, Upper Arkansas Segment 10, Twin Lake West Cu (COARUA10)

- Gunnison, Lower Gunnison Segment 7, Tongue Creek: Se (COGULG07)

- Gunnison, Uncompahgre Segment 9, Sneffels Creek: Zn (COGUUN09)

- Lower Colorado, White River Segment 11, Rio Blanco Reservoir: pH (COLCWH11)

- South Platte, Boulder Creek Segment 9, Boulder Creek: Aquatic Life Use (COSPBO09)

- South Platte, Big Thompson Segment 11, Carter Lake: As (COSPBT11)

- South Platte, Big Thompson Segment 16, Lake Estes: Pb (COSPBT16)

- South Platte, Cache la Poudre Segment 14, Horsetooth Reservoir: Cu, As (COSPCP14)

- South Platte, Lower South Platte Segment 3, Jackson Reservoir: pH (COSPLS03)

- South Platte, Middle South Platte Segment 4, Barr Lake: D.O. (COSPMS04)

- South Platte, Middle South Platte Segment 7, Horse Creek Reservoir: D.O. (COSPMS07)

- South Platte, St. Vrain Segment 3, St. Vrain Creek from Left Hand Creek confluence to confluence with Boulder Creek: Aquatic Life Use (COSPSV03)

- South Platte, Upper South Platte Segment 17a, Rocky Mountain Lake: pH, Cu (COSPUS17a)

- South Platte, Upper South Platte Segment 17a, Ferril Lake, Smith Lake: pH (COSPUS17a)

- South Platte, Upper South Platte Segment 17a, Duck Lake: pH, NH_3 (COSPUS17a)

- South Platte, Upper South Platte Segment 23, Aqua Golf, Overland, Parkfield, and Huston Lakes: pH (COSPUS23)

- South Platte, Upper South Platte Segment 23, Vanderbilt Lake: DO (COSPUS23)

12. *E. coli* Listings

In June of 2010, the Commission adopted a two-month averaging period for the existing *E. coli* criteria. Evaluation of the E. coli standard is over fixed two-month intervals. Where adequate data were available two-month intervals were assessed. Where adequate data were not available data were assessed either seasonally or for the entire period of record.

13. Lakes and Reservoirs D.O. (temperature) listings

For lakes and reservoirs, the MWAT is assumed to be equivalent to the maximum WAT. When a lake or reservoir is stratified, the upper portion may exceed the applicable temperature standards in the basin regulations, provided that an adequate refuge exists in water below the upper portion. Adequate refuge depends on concurrent attainment within a given profile of the temperature standard and applicable dissolved oxygen standards. Attainment of the temperature standard below the upper portion is based on comparison with individual depths because of the need to verify concurrent attainment with the DO standard. If the refuge is not adequate because of low dissolved oxygen levels, the lake or reservoir will be listed as impaired for dissolved oxygen rather than for temperature.

14. Site-specific decisions made by the Commission are discussed below.

Eagle River Segments 6, 8 and 9a:

The Division originally proposed to list the following segments in the Eagle River Basin: the mainstem of Eagle River Segment 9a for sediment, temperature, and Aquatic Life Use impairment, and several tributaries to the Eagle River for impairment of the Aquatic Life Use (Provisional) including Black Gore Creek, Beaver Creek, Lake Creek, Red Sandstone Creek and Gore Creek. Division staff worked with stakeholders in the Eagle River watershed to examine the data and further narrow the issues potentially in dispute. Through this work additional data was made available. Based upon the additional data received and reviewed by Division staff, the Division revised its proposal. In general, parties agreed with the Division's refined proposal for the Aquatic Life Listings in the Eagle River Subbasin. Eagle River stakeholders opposed the Division's proposal to list the mainstem of the Eagle River (Segment COUCEA09a) for temperature. They presented an alternative proposal to M & E list a 6-mile long portion of the segment from Berry Creek to Ute Creek. Evidence presented by the Eagle River Water & Sanitation District showed that the only temperature excursions in this stream reach occurred in the early part of the winter shoulder season and wastewater effluent did not cause the excursions. The District will continue collecting data and will work with the Division to complete additional analysis to determine whether the temperature excursions are a result of anthropogenic activities in the watershed. The Commission adopted the Eagle River Basin stakeholders' proposal.

Upper Colorado River Segment 3 (COUCUC03):

Trout Unlimited referenced a report prepared by the Division of Parks and Wildlife (Nehring 2011) which contained significant site-specific macroinvertebrate and other aquatic life information and analysis for the portion of the Colorado River mainstem between Windy Gap Reservoir and its confluence with the Blue River. The Commission finds that given the fact that there are conflicting MMI scores on this segment, said portion of this segment should be placed on the Monitoring and Evaluation list at this time.

Western Resource Advocates White River Basin:

WRA proposed the addition of White River Segments COLCWH13b, COLCWH13c, COLCWH14a, COLCWH14b, COLCWH15 and COLCWH20 on either the 303(d) or M&E Lists for selenium (COLCWH13b) or total recoverable iron. Following additional data that was submitted by Shell in its Responsive Prehearing Statement, WRA modified its proposal. WRA supported listing a portion of COLCWH13b, Duck Creek, on the 303(d) List for selenium. However, the Commission agreed with the Division that the 2008 Statement of Basis and Purpose language in Regulation #37, Classifications and Numeric Standards for the Lower Colorado River Basin, identifies that the four sites used to create the ambient selenium standard should be assessed in aggregate. The Commission supports the Division's position to include COLCWH13c and a portion of COLCWH14a (the mainstem Piceance Creek from Willow Creek to Hunter Creek) for inclusion on the 303(d) List for total recoverable iron.

Southwestern Water Conservation District *E. coli:*

The Commission has placed several stream segments (COGULD02, COGULD03a, COGULD04, COGULD05, COSJAF13a, COSJDO11, COSJLP08a, COSJPI06a, COSJSJ10, and COSJSJ03) on the M&E List for *E. coli* based on data from four or fewer measurements as outlined in the Listing Methodology. Because of the limited number of data points, the listings were based on either a seasonal or annual geometric mean, rather than the two-month averaging period. As a result, the Commission has concluded that the data at these sites indicate potential impairment of the *E. coli* standard, warranting listing on the M&E List so that additional measurements can be collected.

Lower Colorado Segment 3 (COLCLC03):

Lower Colorado Segment 3 was proposed to be removed from the 303(d) List for selenium impairment due to attainment of standards. USFWS opposed its removal from the list because the segment is critical habitat for the endangered Colorado pikeminnow and razorback sucker. The Commission acknowledges the significance of this issue, but given the fact that the segment is in attainment of its selenium standard, the segment should be removed from the list. If the USFWS feels that the standard is not protective of endangered fish species, the Commission recommends they pursue an alternative standard in the next Colorado basin rulemaking hearing.

Animas River (COSJAF05a):

La Plata Energy Council expressed concern with listing segment COSJAF05a as impaired for manganese. In segment COSJAF05a there is an actual water supply use in the upper portion of the segment. However, there is no actual water supply use in the lower reach below the intake to the Animas-La Plata Project. In 2000, when the Commission adopted the table value criteria for manganese based on secondary water supply standards, the Commission adopted Statement of Basis and Purpose language in Section 31.37(iv)(H) indicating that its action could result in the situation facing La Plata – that is, a segment with a water supply classification but where the only actual water supply use is upstream of point source dischargers. The Commission determined in 2000 that the appropriate course of action is for the Commission to consider resegmentation of that stream. Accordingly the Commission encourages La Plata to pursue resegmentation in the Regulation #34 basin rulemaking hearing if they believe it is warranted.

Marston Forebay (COSPUS22 or COSPBE11):

Marston Forebay was listed as Segment COSPUS22 in the 2010 version of Regulation #93, when in fact, it is correctly included in COSPBE11. Marston Forebay was originally placed on the M&E List in 2010 because dissolved oxygen (DO) concentrations were below the standard in the metalimnion (middle layer of the reservoir). In 2010, the DO standard was revised in Regulation 31. The current DO standard only applies to the top 0.5-2 meters of the water column, unless assessing for refuge with regards to the temperature standard. When assessing against the revised standard, Marston is now attaining the DO standard, as DO readings are above 6 mg/L in the top 2 meters of the water column on all dates. As a result, the Division proposed to remove Marston from the M&E List. The Commission agreed with the Division's recommendation and removed Marston from the M&E List for this reason.

Denver Water also requested a finding that Marston is not "waters of the state". The Commission believes that a Regulation #38 rulemaking hearing is the appropriate forum in which to consider any formal regulatory conclusion regarding this issue.

Ralston Creek (COSPCL17b):

The Division originally placed Ralston Creek on the 303(d) List for impairment of its Water Supply Use-based uranium standard. Cotter Corporation opposed this listing and its high priority listing due to ongoing cleanup work at the Schwartzwalder Mine Site. The Division recognizes that Cotter Corporation is actively addressing non-attainment of the primary drinking water uranium standard in Ralston Creek, and the Division anticipates continued cooperation during development of a Category 4b Plan. However, pending revisions to the standard, the Commission finds that COSPCL17b should be retained on the 303(d) List in the interim with a high priority.

Wildhorse Creek – Segment COARMA04a:

Bill Thiebaut, District Attorney for the Tenth Judicial District, Colorado submitted an alternative proposal to add selenium to the existing listing for *E.coli* for Wildhorse Creek. After review of the data submitted, the Division agreed with the alternative proposal. Pueblo West opposed this listing as data for the middle portion of the segment attains the ambient based selenium chronic standard of 597 ug/L as well as the ambient based acute standard of 708 ug/L. It has generally not been the practice of the Commission to 303(d) list the majority of a segment except for a portion in the middle. In addition, there was discussion in regards to the appropriateness of the adopted ambient based standard. Pueblo West has expressed interest in reviewing this standard in a future rulemaking hearing. Until revisions to the standard can be made, the Commission has added the entire segment to the 303(d) List for selenium.

Pueblo West raised concerns about whether the current ambient based selenium standard for Middle Arkansas segment 4a is still the appropriate standard. This issue was discussed and it was determined that revising the ambient based standard based on new data is not appropriate for this rulemaking but could be addressed in the next basin hearing for Regulation #32 in June 2013. If the ambient based standard is modified during that proceeding, the appropriateness of the 303(d) listing for this segment would be revisited in the next rulemaking hearing for Regulation #93 in December 2013. The Commission does not expect that the Division would proceed with development of a TMDL between now and the Regulation #32 hearing in June 2013.

PARTIES TO THE RULEMAKING HEARING

1. Western Resource Advocates
2. Bill Thiebaut, District Attorney for the 10th Judicial District
3. Colorado Division of Parks and Wildlife
4. Town of Avon
5. City of Grand Junction
6. Eagle River Watershed Council Inc
7. Town of Vail
8. Shell Frontier Oil and Gas Inc.
9. Denver Water
10. Roaring Fork Conservancy
11. City of Aurora
12. Northern Colorado Water Conservancy District
13. City and County of Denver
14. City of Colorado Springs and Colorado Springs Utilities
15. Cripple Creek & Victor Gold Mining Co
16. MillerCoors, LLC
17. Seneca Coal Company
18. Tri-State Generation & Transmission Association
19. Xcel Energy
20. Eagle County
21. City of Boulder
22. Grand County Districts
23. Gunnison County
24. Eagle River Water and Sanitation District
25. Upper Eagle Regional Water Authority
26. Vail Corporation
27. Northwest Colorado Council of Governments
28. Littleton/Englewood Wastewater Treatment Plant
29. Southeastern Colorado Water Conservancy District
30. Colorado Department of Transportation
31. Pitkin County

32. Upper Gunnison River Water Conservancy District
33. Metro Wastewater Reclamation District
34. Bear Creek Watershed Association
35. Colorado River Water Conservation District
36. Cotter Corporation (N.S.L.)
37. Colorado Oil & Gas Association
38. Gunnison County Stockgrowers Association, Inc.
39. Trout Unlimited
40. Pioneer Natural Resources USA, Inc.
41. XTO Energy, Inc.
42. U.S. Fish and Wildlife Service
43. Colorado Petroleum Association
44. La Plata County Energy Council
45. Dolores Water Conservancy District
46. Southwestern Water Conservation District
47. Pueblo West Metropolitan District
48. Greeley Water & Sewer Department
49. City of Pueblo
50. Environmental Protection Agency
51. North Front Range Water Quality Planning Association
52. Board of County Commissioners of Montrose County
53. Wright Water Engineers, Inc
54. South Platte Coalition for Urban River Evaluation
55. Garfield County
56. Ruedi Water and Power Authority
57. Vail Recreation District
58. National Park Service
59. Town of Norwood, Norwood Water Commission and Norwood Sanitation District

93.15 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 2015 RULEMAKING, FINAL ACTION JANUARY 11, 2016, EFFECTIVE DATE OF MARCH 1, 2016

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the Regulation was promulgated in 2006. This list was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

This regulation also updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the Regulation was last promulgated in 2012.

2. List Development

a. Listing Methodology

The *Section 303(d) Listing Methodology - 2016 Listing Cycle* ("Listing Methodology") provides the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission (Commission) administrative action hearing in March 2015.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2016 Section 303(d) List and the 2016 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

To determine the final segments and parameters that would be included on the 303(d) list and M&E list, the Commission considered all existing and readily available information that relates to the segments included in the Notice of Rulemaking (published August 10, 2015).The Commission considered existing and readily available data, which includes the data used to prepare the identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv), and data that was presented in a readily usable format and submitted in conformance with 40 CFR §130.7(a)(5)(iii). In addition, the Commission accepted credible data and information that was submitted in accordance with the listing process schedule. The Division will continue to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts, and the Commission will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of these mechanisms or otherwise presented to the Commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2016 listing decisions. Such information will be considered in the next listing cycle if the information is provided through a proper mechanism.

c. Data Quality

In the Division's Quality Management Plan 2011 for the Collection and Utilization of Environmental Data, the Division states that "[i]t is the expressed goal of the Division to use only those analytical data that are both reliable and have a defined level of quality."

3. Segment Prioritization

The objective of prioritization is to identify those segments where the Division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section IV of the 2016 Section 303(d) Listing Methodology.

The Division remains committed to establishing a plan for monitoring and evaluating water bodies on the M&E List prior to the list submission date for the subsequent listing cycle. Further, the Commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Impaired Segments Not Requiring TMDLs

In the 2016 listing cycle, the Commission has added a list of impaired waters where a TMDL is not required. There are three primary reasons why the Commission did not require a TMDL for an impaired segment: (1) a TMDL has already been completed, but the classified uses are not yet attained but will be in the foreseeable future; (2) there is a required control mechanism in place that is expected to address all segment-pollutant combinations and the segment will attain water quality standards in a reasonable period of time; or (3) the Commission determined that the impairment is not caused by a pollutant. These segments have been included in section 93.4.

5. Fish Mercury (Hg) Listings

The 303(d) Listing Methodology was revised in 2014 for the assessment of Fish Mercury (Hg). The methods compare the weighted average fish Hg for each waterbody and species (and size class, where appropriate) to a 0.3 ppm threshold. The sample size must meet or exceed 30 fish tissue samples per waterbody/species to list new waterbodies for Fish Hg. Waterbodies can also be listed if there is overwhelming evidence of impairment (>0.45 ppm Hg) and a sample size of at least 10 fish tissue samples.

The Commission retained the following 15 lakes on the 303(d) List:

- Lower Arkansas segment 15, Trinidad Reservoir (COARLA15)
- Middle Arkansas segment 26, Horseshoe Lake (COARMA26)
- Upper Arkansas segment 40, Brush Hollow Reservoir (COARUA40)
- Lower Colorado segment 20, Rifle Gap Reservoir (COLCLC20)
- Dolores River segment 4b, McPhee Reservoir (COSJDO04b)
- La Plata segment 11, Narraguinnep Reservoir (COSJLP11)
- La Plata segment 11, Totten Reservoir (COSJLP11)
- Los Pinos segment 3, Vallecito Reservoir (COSJPN03)
- San Juan segment 8, Echo Canyon Reservoir (COSJSJ08)
- Big Thompson segment 11, Carter Lake (COSPBT11)
- Cache la Poudre segment 14, Horsetooth Reservoir (COSPCP14)
- Upper South Platte segment 17a, Berkeley Lake (COSPUS17a)
- Upper South Platte segment 17a, Rocky Mountain Lake (COSPUS17a)
- Yampa River segment 23, Catamount Reservoir (COUCYA22)
- Yampa River segment 22, Elkhead Reservoir (COUCYA23)

The Commission retained the following 3 lakes on the M&E List:

- Middle Arkansas segment 27, Teller Reservoir (COARMA27)
- San Juan segment 8, Navajo Reservoir (COSJSJ08)
- Boulder Creek segment 18, Gross Reservoir (COSPBO18)

The Commission moved the following lake from the M&E List to the 303(d) List:

- North Platte segment 9, Big Creek Reservoir (COUCNP09)

The Commission added the following lake to the M&E List:

- Upper South Platte segment 19, Cheesman Reservoir (COSPUS19)

The Commission removed the following lakes from the 303(d) List or the M&E List:

- Big Thompson segment 12, Boyd Lake (COSPBT12)
- Big Thompson segment 14, Lonetree Reservoir (COSPBT14)

- Upper Colorado segment 12, Lake Granby (COUCUC12)

6. Aquatic Life Listings

In October 2010, the Commission adopted Policy 10-1, Aquatic Life Use Attainment Commission's Policy ("Policy 10-1"), which established that the Colorado multi-metric index ("MMI") is an appropriate tool for the quantitative bioassessment of the health of aquatic communities. Utilizing the Commission Policy 10-1, the Division calculated over 750 MMI scores for the 2016 listing cycle. Based on this assessment, the Commission determined that 53 new segments were not attaining, with an additional 14 new segments included on the M&E List. These segments are in addition to 23 segments that were previously included on the 2012 303(d) List, and 5 segments that were previously included on the 2012 M&E List. For 50 of these segments that are not attaining for aquatic life a specific pollutant could not be identified as the cause of non-attainment, accordingly these 50 segments were listed as provisional.

Several segments had data outside of the standard index period for data collection. The Commission included these segments on the M&E List in 2012 to allow the Division and parties to gather additional information within the standard index period. The 2016 Listing Methodology allowed additional flexibility to include additional data that was collected four weeks after the October deadline to be considered in the index period. This resulted in the Commission moving some segments from the M&E List to the 303(d) List. Any data collected outside of the standard index period was not used for the 2016 listing cycle.

The Commission added the following segments to the 303(d) List for non-attainment of their Aquatic Life Use based on Policy 10-1:

- White River segment 7 (COLCWH07)
- White River segment 23, East Douglas Creek (COLCWH23)
- Closed Basin segment 2a, North Fork Carnero Creek (CORGCB02a)
- Closed Basin segment 2b, La Garita Creek (CORGCB02b)
- Rio Grande segment 11 (CORGRG11)
- Rio Grande segment 20a (CORGRG20a)
- Big Thompson segment 2 (COSPBT02)
- Upper Gunnison segment 01, Stewart Creek (COGUUG01)
- Upper Gunnison segment 4, Taylor River (COGUUG04

The Commission provisionally added the following segments to the 303(d) List for non-attainment of their Aquatic Life Use based on Policy 10-1:

- Fountain Creek segment 3a, West Monument Creek (COARFO03a)
- Fountain Creek segment 6 (COARFO06)
- Lower Arkansas segment 6a, Apache Canyon (COARLA06a)
- San Miguel segment 12a, MaKenzie Creek (COGUSM12a)
- Upper Gunnison segment 2, Willow Creek (COGUUG02)
- Upper Gunnison segment 18b (COGUUG18b)
- Upper Gunnison segment 19, Razor Creek (COGUUG19)
- Upper Gunnison segment 26, Crystal Creek (COGUUG26)
- Closed Basin/San Luis Valley segment 9b, Kerber Creek from U S Gulch to the confluence with San Luis Creek (CORGCB09b)
- La Plata segment 5a (COSJLP05a)
- La Plata segment 6a (COSJLP06a)
- Piedra River segment 6a (COSJPI06a)
- Bear Creek segment 2 (COSPBE02)
- Boulder Creek segment 7a (COSPBO07a)
- Cache la Poudre segment 2a (COSPCP02a)
- Lower South Platte segment 2b, Kiowa Creek (COSPLS02b)

- Upper South Platte segment 3, Pine Creek, Fourmile Creek and West Creek (COSPUS03)
- Upper South Platte segment 10a, East Plum Creek (COSPUS10a)
- Upper South Platte segment 11b, Spring Creek (COSPUS11b)
- Blue River segment 1 (COUCBL01)
- Blue River segment 2b, Blue River to the confluence with Swan River (COUCBL02b)
- Blue River segment 2c (COUCBL02c)
- Blue River segment 5 (COUCBL05)
- North Platte segment 4a, Little Grizzly Creek (COUCNP04a)
- Yampa segment 12, Wolf Creek (COUCYA12)

The Commission retained the following segments on the 303(d) List for non-attainment of their Aquatic Life Use:

- White River segment 13c, Yellow Creek from Barcus Creek to the White River (COLCWH13c)
- Clear Creek segment 14b (COSPCL14b)
- Clear Creek segment 15 (COSPCL15)
- Big Thompson segment 9, Little Thompson River (COSPBT09)

The Commission retained the following segments provisionally on the 303(d) List for non-attainment of their Aquatic Life Use:

- Upper Arkansas segment 21a, Squaw Gulch to a point 1.5 miles upstream of the confluence with Fourmile Creek (COARUA21a)
- San Miguel segment 12a, Maverick Draw (COGUSM12a)
- Upper Gunnison segment 24, Cochetopa Creek from Forest Rd 43 to Tomichi Creek (COGUUG24)
- Uncompahgre segment 11, Deer Creek (COGUUN11)
- Lower Yampa/Green River segment 22a, Talamantes Creek (COLCLY22a)
- White River segment 15, Piceance Creek (COLCWH15)
- White River segment 20, Black Sulphur Creek (COLCWH20)
- Rio Grande segment 12 (CORGRG12)
- Boulder Creek segment 9, From 107th Street to the confluence with Coal Creek (COSPBO09)
- Upper South Platte segment 10a, West Plum Creek (COSPUS10a)
- Upper South Platte segment 11a, Cook Creek (COSPUS11a)
- Eagle River segment 6, Mainstem of Lake Creek from confluence with East and West Lake Creek to the mouth (COUCEA06)
- Eagle River segment 6, Red Sandstone Creek to confluence with Gore Creek (COUCEA06)
- Eagle River segment 8 (COUCEA08)
- Roaring Fork segment 3a, Roaring Fork from Hunter Creek to Trentaz Gulch (COUCRF03a)
- Roaring Fork segment 3a, West Sopris Creek (COUCRF03a)
- Roaring Fork segment 3d, Cattle Creek from Bowers Gulch (COUCRF03d)
- Roaring Fork segment 7, South Fork of Frying Pan River from diversion to unnamed tributary (COUCRF07)
- Upper Colorado segment 10a, Fraser River and Vasquez Creek (COUCUC10a)

The Commission added the following segments to the M&E List for possible non-attainment of their Aquatic Life Use:

- Upper Arkansas segment 14c, North Hardscrabble Creek (COARUA14c)
- Upper Arkansas segment 15 (COARUA15)
- Rio Grande segment 7 (CORGRG07)

- Lower Yampa/Green River segment 3i (COLCLY03i)
- La Plata/Mancos/McElmo/San Juan segment 4a (COSJLP04a)
- San Juan segment 5, Mainstem San Juan River (COSJSJ05)
- Clear Creek segment 2c (COSPCL02c)

The Commission retained the following segments on the M&E List for possible non-attainment of their Aquatic Life Use:

- Upper Arkansas segment 5, Lake Fork below Sugarloaf Dam (COARUA05)
- White River segment 13b, Duck Creek (COLCWH13b)
- Boulder Creek segment 7b (COSPBO07b)
- Clear Creek segment 1, Kearney Gulch and Grizzly Gulch (COSPCL01)
- Upper South Platte segment 2a, South Fork of South Platte below Antero Reservoir (COSPUS02a)
- Upper South Platte segment 3, Trout Creek (COSPUS03)
- Blue River segment 17 (COUCBL17)
- Eagle River segment 6, Black Gore Creek (COUCEA06)
- Eagle River segment 6, Red Sand Stone Creek from USFS Boundary to northside of I-70 frontage road (COUCEA06)
- Upper Colorado segment 3, Colorado River from Windy Gap Reservoir to Derby Creek (COUCUC03)

The Commission expanded the portion of Upper Colorado segment 3 that is on the M&E List to include the portion from the outlet of Windy Gap Reservoir to Derby Creek. Despite improving MMI scores in the upper reach, the Commission was concerned about declining taxa in the upper reach, and feels the stream would benefit from additional investigation.

The Commission removed the following segments from the 303(d) List for attainment of their Aquatic Life Use:

- Upper Arkansas segment 21a, Cripple Creek from source to above Squaw Gulch (COARUA21a)
- Upper Gunnison segment 6b, Cement Creek (COGUUG06b)
- Upper Gunnison segment 29a, Lake Fork of the Gunnison River between Cooper and Silver Creek (COGUUG29a)
- White River segment 23, West Douglas Creek (COLCWH23)
- Bear Creek segment 1a, Bear Creek (COSPBE01a)
- St. Vrain segment 3, From the confluence with Left Hand Creek to the confluence with Boulder Creek (COSPSV03)
- Roaring Fork segment 4, Mainstem Brush Creek (COUCRF04)
- Yampa River segment 15, Elkhead Creek (COUCYA15)

The Commission removed the following segments from the M&E List for attainment of the Aquatic Life Use standard:

- Fountain Creek segment 4, Sand Creek (COARFO04)
- Upper Gunnison segment 8, Slate River (COGUUG08)
- Bear Creek segment 1e, All (COSPBE01e)
- Bear Creek segment 2, Below Kipling Parkway (CO 391) (COSPBE02)
- Boulder Creek segment 10 (COSPBO10)
- Lower South Platte segment 1 (COSPLS01)
- St. Vrain segment 3, From Hover Road to the confluence of Left Hand Creek (COSPSV03)
- Upper South Platte segment 11b, Bear Creek (COSPUS11b)
- North Platte segment 4a, Grizzly Creek (COUCNP04a)

The Commission moved the following segments from the M&E List to the 303(d) List, provisionally:

- Upper South Platte segment 6a, South Platte from Cheeseman Reservoir to Lazy Gulch (COSPUS06a)
- Upper South Platte segment 01a, South Platte River from the outlet of Elevenmile Reservoir to the Idlewilde picnic area (COSPUS01a)
- Upper South Platte segment 11b, Spring Creek (COSPUS11b)
- Eagle River segment 6, Beaver Creek from Wayne Creek to mouth (COUCEA06)
- Eagle River segment 9a, Eagle River from confluence with Berry Creek to confluence with Squaw Creek (COUCEA09a)
- North Platte segment 4a, Little Grizzly Creek (COUCNP04a)

The Commission removed the provisional qualifier for the non-attainment of the Aquatic Life Use standard for the following segments:

- Upper Gunnison segment 15a, South Beaver Creek (COGUUG15a)
- Clear Creek segment 14a, Clear Creek from Croke Canal to McIntyre Street (COSPCL14a)
- Upper South Platte segment 3, Horse Creek (COSPUS03)

7. Narrative Sediment Standard Listings

The Commission adopted a new approach in the 2016 Listing Methodology to evaluate impairment of the narrative sediment standard. This methodology, which is described in the Commission's Policy 98-1, Guidance for the Implementation of Colorado's Narrative Stream Standard Regulation #31, Section 31.11(1)(a)(i), includes assessment of the macroinvertebrate population using a sediment tolerance indicator score and the percent fines as compared to a regional threshold. An impairment listing is further supported by a review of the watershed for differences of the sampling site from the range of conditions used to establish the expected condition for the sediment region, as well as the presence of likely anthropogenic sources of sediment.

The Commission added the following segments to the 303(d) List for non-attainment of the narrative sediment standard:

- White River segment 13b (COLCWH13b)
- White River segment 23, East Douglas Creek from just below Tommy's Draw to the confluence with Douglas Creek (COLCWH23)
- Closed Basin segment 12a, East Pass Creek (CORGCB12a)

The Commission added the following segments to the M&E List for potential non-attainment of the narrative sediment standard:

- Yampa River segment 13b (COUCYA13b)
- North Platte segment 4a, Sand Creek (COUCNP04a)

The Commission removed the following segment from the 303(d) List for attainment of the narrative sediment standard:

- Upper South Platte segment 3, Trout Creek and its tributaries on USFS land (COSPUS03)

The Commission removed the following segments from the M&E List for attainment of the narrative sediment standard:

- Lower Yampa segment 2 (COLCLY02)
- Upper South Platte segment 3, Sugar Creek on USFS land (COSPUS03)
- Upper South Platte segment 3, Pine Creek on USFS land (COSPUS03)

The Commission retained these segments on the 303(d) List for non-attainment of the narrative sediment standard as no new data was available:

- Lower Colorado segment 13b, Salt Creek (COLCLC13b)
- White River segment 22, West Evacuation Wash, Douglas Creek (COLCWH22)
- Eagle River segment 6, Black Gore Creek, adjacent to I-70 (COUCEA06)
- Eagle River segment 9a, Eagle River from confluence with Berry Creek to confluence with Squaw Creek (COUCEA09a)
- Yampa River segment 3, Bushy Creek (COUCYA03)
- Clear Creek segment 14b (COSPCL14b)
- Clear Creek segment 15 (COSPCL15)

The Commission retained these segments on the M&E List for non-attainment of the narrative sediment standard as no new data was available:

- Lower Arkansas segment 7 (COARLA07)
- Lower Gunnison segment 2 (COGULG02)
- Lower Gunnison segment 11b, Lunch Creek (COGULG11b)
- Uncompahgre River segment 4a (COGUUN04a)
- Uncompahgre River segment 4b (COGUUN04b)
- Uncompahgre River segment 4c (COGUUN04c)
- Uncompahgre River segment 15b, Dry Creek Watershed (COGUUN15b)
- Lower Colorado segment 1 (COLCLC01)
- Lower Colorado segment 2a (COLCLC02a)
- Lower Colorado segment 2b (COLCLC02b)
- Lower Yampa segment 16 (COLCLY16)
- Rio Grande segment 13 (CORGRG13)
- Los Pinos segment 6a, Stollsteimer Creek above Southern Ute boundary (COSJPI06a)
- Eagle River segment 9a, Eagle River from Gore Creek to confluence with Berry Creek (COUCEA09a)

8. Listings Due to Exceedances of the Temperature Standards

The 2016 Listing Methodology requires that the party proposing a temperature listing is responsible for investigating the temperature excursions as defined in Regulation No. 31, Footnote 5c, Table 1. This footnote includes four allowable excursions to exceedances of the temperature standard. These include an air temperature excursion, a low flow excursion, an excursion for the upper portion of a lake or reservoir and a winter shoulder season excursion. For the 2016 listing cycle the Division analyzed water temperature data from more than 240 stations in more than 100 segments. In cases where the excursions were evaluated and exceedances of the temperature standards remained, the Commission included these segments on the 303(d) List. In cases where the excursions were not fully evaluated and exceedances of the temperature standards remained, the Commission included these segments on the M&E List.

The Commission added the following segments to the 303(d) List for exceedances of the temperature standards (portions are indicated where appropriate):

- Fountain Creek segment 6 (COARFO06)
- Lower Arkansas segment 3a (COARLA03a)
- Middle Arkansas segment 2 (COARMA02)
- Lower Dolores segment 2 (COGULD02)
- Upper Gunnison segment 8 (COGUUG08)

- Lower Colorado segment 1 (COLCLC01)
- White River segment 7 (COLCWH07)
- White River segment 13c, Yellow Creek below Greasewood Creek (COLCWH13c)
- White River segment 15, Piceance Creek from 3 miles above the confluence with the White River, to the confluence with the White River. (COLCWH15)
- White River segment 23 (COLCWH23)
- Rio Grande segment 4b (CORGRG04b)
- Bear Creek segment 1b (COSPBE01b)
- Bear Creek segment 1e (COSPBE01e)
- Bear Creek segment 3 (COSPBE03), Vance Creek
- Big Thompson segment 2, From Cedar Creek to Home Supply Canal (COSPBT02)
- Clear Creek segment 11 (COSPCL11)
- Clear Creek segment 13b, Mainstem of North Clear Creek (COSPCL13b)
- Clear Creek segment 14a (COSPCL14a)
- Clear Creek segment 15 (COSPCL15)
- Upper South Platte segment 3, Goose Creek (COSPUS03)
- Blue River segment 17, Blue River downstream of Green Mtn Reservoir (COUCBL17)
- Roaring Fork segment 3c (COUCRF03c)
- Upper Colorado segment 2, Colorado River from Shadow Mountain Reservoir to Granby Reservoir (COUCUC02)
- Upper Colorado segment 2, Willow Creek, Stillwater Creek and Arapaho Creek (COUCUC02)
- Upper Colorado segment 7a, mainstem of Muddy Creek (COUCUC07a)
- Yampa River segment 2a, Yampa River below Stagecoach Reservoir (COUCYA02a)
- Yampa River segment 2b (COUCYA02b)

The Commission added the following segments to the M&E List for exceedances of the temperature standards (where portions are not indicated the entire segment was listed):

- Lower Arkansas segment 5b (COARLA05b)
- Lower Arkansas segment 6a, Reilly Canyon and Sarcillo Canyon(COARLA06a)
- Lower Arkansas segment 6b (COARLA06b)
- Middle Arkansas segment 7b (COARMA07b)
- Upper Arkansas segment 4a (COARUA04a)
- Lower Gunnison segment 8 (COGULG08)
- Closed Basin segment 12a (CORGCB12a)
- San Miguel segment 10, Naturita Creek (COGUSM10)
- San Miguel segment 12b (COGUSM12b)
- Lower Colorado segment 4a (COLCLC04a)
- Alamosa River segment 11b (CORGAL11b)
- Los Pinos River segment 4a, East Mancos River (COSJLP04a)
- Piedra River segment 5 (COSJPI05)
- San Juan River segment 6a (COSJSJ06a)
- San Juan River segment 10 (COSJSJ10)
- Bear Creek segment 6a, Turkey Creek below Parmelee Gulch (COSPBE06a)
- Bear Creek segment 6b (COSPBE06b)
- Clear Creek segment 14b (COSPCL14b)
- Clear Creek segment 17b (COSPCL17b)
- Upper South Platte segment 3, Trout Creek and tributaries on USFS property (COSPUS03)
- Upper South Platte segment 10a, Plum Creek (COSPUS10a)
- Upper South Platte segment 15 (COSPUS15)
- Upper South Platte segment 16g (COSPUS16g)
- Yampa River segment 13e (COUCYA13e)

The Commission retained the following segments on the 303(d) List for exceedances of the temperature standards:

- Bear Creek segment 1a, Bear Creek below the confluence with Yankee Creek (COSPBE01a)
- Cache la Poudre segment 10a (COSPCP10a)
- Saint Vrain segment 2b (COSPSV02b)
- Upper Colorado segment 3, From 578 Road Bridge (COUCUC03)
- Upper Colorado segment 7b, Muddy Creek and tributaries (COUCUC07b)
- Upper Colorado segment 10a, Ranch Creek (COUCUC10a)

The Commission retained the following segment on the M&E List for exceedances of the temperature standards:

- Upper South Platte segment 2a, Twin Creek, on USFS Land (COSPUS02a)

The Commission delisted the following segments from the 303(d) List or the M&E List for exceedances of the temperature standards:

- Bear Creek segment 1e, Bear Creek from the outlet of Evergreen Lake to Kerr/Swede Gulch (COSPBE01e)
- Upper South Platte segment 2a, Salt Creek (COSPUS02a)
- Eagle River segment 9a, Eagle River from Berry Creek to confluence with Ute Creek (COUCEA09a)
- Eagle River segment 9a, Eagle River from Ute Creek to confluence with Rube Creek (COUCEA09a)
- Upper Colorado segment 10c (COUCUC10c)
- Yampa River segment 2c (COUCYA02c)
- Bear Creek segment 1a, Bear Creek from Witter Gulch to Evergreen Lake (COSPBE01a)

The Commission moved the following segment from the 303(d) List to the M&E List for exceedances of the temperature standards:

- Big Thompson segment 8 (COSPBT08)

9. Listings Due to Exceedances of the Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, manganese and sulfate, the less restrictive of the following two options apply as the numeric standard: existing quality as of January 1, 2000 or the table value criteria in Regulation No. 31, Tables II and III. For dissolved iron, the table value standard (TVS) is 300 ug/l. For dissolved manganese, the TVS is 50 ug/l. For sulfate, the TVS is 250 mg/l.

In the 2016 303(d) Listing Methodology, the Commission included additional language regarding the determination of existing quality from the year 2000. This included a minimum data requirement of ten data points, and the ability to use data collected after the year 2000 when characterizing existing quality from 2000. However, pursuant to section 31.11(6) of Regulation 31, the use of data collected after 2000 may only be used upon a showing that there are no new or increased sources of these pollutants in the segment being assessed since 2000.

Some issues were raised regarding whether the data should be assessed station by station when comparing concentrations from 2000 to current conditions or can data be aggregated for the entire segment (or a portion of the segment). The Commission determined that unless a good reason was presented to assess station to station, data should be combined and assessed to characterize water quality as of 2000 and current conditions for manganese, dissolved iron and sulfate.

In the following segments, the TVS was less restrictive than water quality as of the year 2000. Therefore, the TVS was used as the standard for these listing decisions. The Commission added the following segments to the 303(d) List:

- Middle Arkansas segment 2, mainstem of the Arkansas River from Pueblo Reservoir to Blue Ribbon Creek: manganese (COARMA02)
- Lower Yampa/Green River segment 3c, Wilson Creek: sulfate (COLCLY03c)
- Boulder Creek segment 2a, Como Creek to the confluence of North Boulder Creek: dissolved iron (COSPBO02a)
- Big Thompson segment 8, From source to St Vrain Supply Canal: sulfate (COSPBT08)
- Cache la Poudre segment 7: manganese (COSPCP07)
- Cache la Poudre segment 13a, Dry Creek: manganese and sulfate (COSPCP13a)
- Middle South Platte segment 1b: manganese (COSPMS01b)
- Upper Colorado segment 7a, Alkali Slough: sulfate (COUCUC07a)

In the following segments, the existing quality as of 2000 was greater (less restrictive) than the TVS. Therefore, the water quality representative of 2000 was used as the standard for these listing decisions. The Commission added the following segments to the 303(d) List:

- Fountain Creek segment 1a, Mainstem: manganese (COARFO01a)
- Lower Arkansas segment 1b: manganese (COARLA01b)
- Lower Arkansas segment 1c: manganese (COARLA01c)
- Lower Arkansas segment 4a: sulfate (COARLA04a)
- Middle Arkansas segment 6b: manganese and sulfate (COARMA06b)
- Lower Colorado segment 14c: manganese (COLCLC14c)
- Lower Yampa segment 3c, Stinking Gulch: sulfate (COLCLY03c)
- Clear Creek segment 2c, Turkey Gulch below Rockford Tunnel: manganese and dissolved iron (COSPCL02c)

- Upper South Platte segment 3, Trout Creek and tributaries on USFS property: manganese (COSPUS03)
- Upper South Platte segment 5b, Geneva Creek: manganese (COSPUS05b)
- Blue River segment 06a: manganese (COUCBL06a)
- Eagle River segment 5c: dissolved iron (COUCEA05c)
- North Platte segment 4a, Snyder Creek: manganese and dissolved iron (COUCNP04a)
- Upper Colorado segment 10c, below Fraser Canyon: dissolved iron (COUCUC10c)

In the following segments, the TVS was less restrictive than water quality as of the year 2000. Therefore, the TVS was used as the standard for these listing decisions. The Commission added the following segments to the M&E List:

- Middle Arkansas segment 6a: manganese (COARMA06a)
- Upper Arkansas segment 38, Skagway Reservoir: dissolved iron (COARUA38)
- Upper Gunnison segment 29a, Lake Fork of the Gunnison upstream of Cottonwood Creek: manganese (COGUUG29a)
- Lower Colorado segment 4a: sulfate (COLCLC04a)
- Lower Yampa/Green River segment 3c, Wilson Creek: manganese (COLCLY03c)
- Lower Yampa/Green River segment 6: sulfate (COLCLY06)
- Lower White segment 9b: manganese (COLCWH09b)

- Lower White segment 13b, Corral Gulch: manganese (COLCWH13b)
- Alamosa River segment 20: dissolved iron (CORGAL20)
- Closed Basin segment 12a, Ford Creek: manganese (CORGCB12a)
- Rio Grande segment 2, South Clear Creek: dissolved iron (CORGRG02)
- Rio Grande segment 38, Big Meadows Reservoir: dissolved iron and manganese (CORGRG38)
- Rio Grande segment 38, Road Canyon Reservoir: dissolved iron (CORGRG38)
- Boulder Creek segment 2a, North Boulder Creek from Caribou Creek to the confluence with Como Creek: dissolved iron (COSPBO02a)
- Big Thompson segment 7, Buckhorn Creek: manganese (COSPBT07)
- Boulder Creek segment 2a, from the outlet of Barker Reservoir to Longitude: 105.475577°Latitude: 39.971275°: manganese (COSPBO02a)
- Cherry Creek segment 1: manganese (COSPCH01)
- Clear Creek segment 3b, Leavenworth Creek: manganese (COSPCL03b)
- Clear Creek segment 6, North Empire Creek: sulfate (COSPCL06)
- Clear Creek segment 12a, Gilson Gulch and tributaries: dissolved iron, manganese, and sulfate (COSPCL12a)
- Cache la Poudre segment 7: dissolved iron (COSPCP07)
- Laramie River segment 2a: manganese (COSPLA02a)
- St. Vrain segment 4a, (Hwy 72 to James Creek): manganese (COSPSV04a)
- North Platte segment 3: dissolved iron (COUCNP03)
- Yampa River segment 18, South Fork Little Snake River: dissolved iron (COUCYA18)

In the following segments, the existing quality as of 2000 was greater (less restrictive) than the TVS. Therefore, the water quality representative of 2000 was used as the standard for these listing decisions. The Commission added the following segments to the M&E List:

- Lower Arkansas segment 2a: manganese and sulfate (COARLA02a)
- Middle Arkansas segment 6b: sulfate (COARMA06b)
- Upper Arkansas segment 5, Lake Fork below Sugarloaf Dam to the confluence with the Arkansas River and Colorado Gulch: manganese (COARUA05)
- Upper Arkansas segment 38, Skagway Reservoir: manganese (COARUA38)
- Lower Colorado segment 2b, Humphrey Backwater area: manganese and sulfate (COLCLC02b)
- Lower Yampa/Green River segment 3e: sulfate (COLCLY03e)
- Lower Yampa/Green River segment 6: manganese (COLCLY06)
- White River segment 13b, Stake Springs: sulfate (COLCWH13b)
- Alamosa River segment 2: dissolved iron and manganese (CORGAL02)
- Closed Basin segment 9a, Squirrel Creek: manganese (CORGCB09a)
- Rio Grande segment 4c: manganese (CORGRG04c)
- Clear Creek segment 6, North Empire Creek: dissolved iron (COSPCL06)
- Lower South Platte segment 1: sulfate (COSPLS01)
- Middle South Platte segment 1a: manganese (COSPMS01a)
- Blue River segment 12: manganese (COUCBL12)
- North Platte segment 4a, Canadian River: manganese (COUCNP04a)
- North Platte segment 4a, Illinois River: dissolved iron (COUCNP04a)
- North Platte segment 4b, Illinois River: manganese (COUCNP04b)
- North Platte segment 5b: dissolved iron and manganese (COUCNP05b)

In the following segments, there was not enough data available to characterize the water quality representative of the year 2000. Until additional information can be gathered to make a determination on the water quality as a 2000, the Commission added the following segments to the M&E List:

- Middle Arkansas segment 6a: sulfate (COARMA06a)
- Middle Arkansas segment 9: manganese (COARMA09)

- Middle Arkansas segment 11b: manganese (COARMA11b)
- Closed Basin segment 2a, North Fork Carnero Creek: manganese (CORGCB02a)
- Closed Basin segment 2a, South Fork Carnero Creek: dissolved iron and manganese (CORGCB02a)
- Closed Basin segment 2b, La Garita Creek: dissolved iron and manganese (CORGCB02b)
- Closed Basin segment 2c: manganese (CORGCB02c)
- Clear Creek segment 14b: dissolved iron (COSPCL14b)
- Boulder Creek segment 14, Barker Reservoir: dissolved iron, manganese (COSPBO14)
- Blue River segment 20, Spruce Creek: dissolved iron (COUCBL20)
- Upper Colorado segment 7a, Alkali Slough: manganese (COUCUC07a)
- Yampa River segment 3, Little Morrison Creek: manganese (COUCYA03)

For the following segments, existing 303(d) and M&E listings for exceedances of the secondary water supply standards were retained:

- Coal Creek segment 11: manganese (COGUUG11)
- Clear Creek segment 14b: manganese (COSPCL14b)
- Lower South Platte segment 1: manganese (COSPLS01)
- St. Vrain segment 5, Left Hand Creek below US 36 to a point above the Lefthand Feeder Canal: manganese (COSPSV05)
- North Platte segment 4a, Canadian River: dissolved iron (COUCNP04a)
- Yampa segment 2a, Yampa River below Stagecoach: manganese (COUCYA02a)

10. Listings Due to Exceedances of the Water Supply Standards for Arsenic and Nitrite

The 2016 303(d) Listing Methodology was modified to reflect changes in Regulation #31 for the assessment of arsenic, nitrite and nitrate. Previously, the assessment of arsenic, nitrite and nitrate water supply standards was solely conducted at the point of intake for a water supply. This provision was removed in the Regulation #31, resulting in the assessment of these standards throughout the entire segment.

Based on comments received from parties regarding the arsenic listings the Commission reiterates the following Commission decisions. The source of a pollutant is not considered during the listing analysis, and the Commission recommends that parties who believe that impairments are the result of high background levels of arsenic consider site-specific regulatory changes, such as site-specific standards or removal of a classified use through a use attainability analysis. Attainment is assessed against the underlying standard, not against a temporary modification. Data for dissolved arsenic may be used in determining attainment of total arsenic.

For arsenic listings the Commission determined that the Division may use “j data” in its assessment. “J data” is an analytical result that falls between the method detection limit (“MDL”) and the minimum level (“ML”). The arsenic water supply standard (0.02µg/L) is below the MDL for arsenic (with the lowest MDL in data assessed for this rulemaking hearing at 0.022 µg/L). J data may be used in assessing arsenic because a j data result means that the lab is 99% certain arsenic is present in the sample at a level higher than the MDL, which is higher than the standard for arsenic.

The Commission added the following segments to the 303(d) List for exceedances of the arsenic standard:

- Fountain Creek segment 1a, Mainstem (COARFO01a)
- Lower Arkansas segment 1b (COARLA01b)
- Lower Arkansas segment 1c (COARLA01c)
- Lower Arkansas segment 5a (COARLA05a)
- Lower Arkansas segment 5b (COARLA05b)

- Lower Arkansas segment 9a (COARLA09a)
- Middle Arkansas segment 3 (COARMA03)
- Middle Arkansas segment 9 (COARMA09)
- Upper Arkansas segment 2c (COARUA02c)
- Upper Arkansas segment 05, Colorado Gulch (COARUA05)
- Upper Arkansas segment 15 (COARUA15)
- North Fork of the Gunnison segment 4, Ruby Anthracite Creek (COGUNF04)
- Upper Gunnison segment 12, Coal Creek (COGUUG12)
- Lower Colorado segment 1, Colorado River from Roaring Fork confluence to confluence with Paradise Creek (COLCLC01)
- Lower Colorado segment 4c (COLCLC04c)
- Lower Colorado segment 10 (COLCLC10)
- Lower Colorado segment 15a (COLCLC15a)
- Lower Colorado segment 15c (COLCLC15c)
- Lower Yampa segment 3c, Stinking Gulch (COLCLY03c)
- White River segment 7, White River below Meeker (COLCWH07)
- White River segment 12 (COLCWH12)
- White River segment 14a, Piceance Creek (COLCWH14a)
- White River segment 20, Black Sulphur Creek (COLCWH20)
- White River segment 21 (COLCWH21)
- Closed Basin segment 2a, North Fork Carnero Creek and South Fork Carnero Creek (CORGCB02a)
- Closed Basin segment 2b, La Garita Creek (CORGCB02b)
- Closed Basin segment 2c (CORGCB02c)
- Closed Basin segment 4 (CORGCB04)
- Closed Basin segment 9b (CORGCB09b)
- Closed Basin segment 12a (CORGCB12a)
- Rio Grande segment 4b, South Fork Rio Grande to Del Norte (CORGRG04b)
- Rio Grande segment 4c (CORGRG04c)
- Rio Grande segment 09, North Branch of Pass Creek (CORGRG09)
- Rio Grande segment 11 (CORGRG11)
- Rio Grande segment 19 (CORGRG19)
- Bear Creek segment 2 (COSPBE02)
- Boulder Creek segment 2a (COSPBO02a)
- Boulder Creek segment 2b (COSPBO02b)
- Boulder Creek segment 3 (COSPBO03)
- Boulder Creek segment 4b (COSPBO04b)
- Boulder Creek segment 9 (COSPBO09)
- Boulder Creek segment 10 (COSPBO10)
- Boulder Creek segment 14, Barker Reservoir (COSPBO14)
- Big Thompson segment 1 (COSPBT01)
- Big Thompson segment 2 (COSPBT02)
- Big Thompson segment 3 (COSPBT03)
- Big Thompson segment 7, Buckhorn Creek and North Fork of Big Thompson (COSPBT07)
- Big Thompson segment 8 (COSPBT08)
- Cache la Poudre segment 2a (COSPCP02a)
- Cache la Poudre segment 6 (COSPCP06)
- Cache la Poudre segment 9 (COSPCP09)
- Cache la Poudre segment 10a (COSPCP10a)
- Cache la Poudre segment 10b (COSPCP10b)
- Middle South Platte segment 1b (COSPMS01b)
- Republican Basin segment 1 (COSPRE01)
- St. Vrain segment 2b (COSPSV02b)
- Saint Vrain segment 7, Boulder Reservoir (COSPSV07)
- Upper South Platte segment 2c, South Mosquito Creek (COSPUS02c)

- Upper South Platte segment 10a, East Plum Creek (COSPUS10a)
- Blue River segment 2c (COUCBL02c)
- Blue River segment 4a, Gold Run Gulch below Jessie Mine (COUCBL04a)
- Blue River segment 20, Spruce Creek (COUCBL20)
- Eagle River segment 2 (COUCEA02)
- Eagle River segment 5c (COUCEA05c)
- Eagle River segment 6 (COUCEA06)
- Eagle River segment 9a (COUCEA09a)
- Eagle River segment 9c (COUCEA09c)
- North Platte segment 1, South Fork Big Creek (COUCNP01)
- North Platte segment 4a, Illinois River, South Fork Big Creek and Snyder Creek (COUCNP04a)
- North Platte segment 4b, Illinois River (COUCNP04b)
- North Platte segment 5b (COUCNP05b)
- North Platte segment 09, Lake John and North Delaney Lake (COUCNP09)
- Upper Colorado segment 7a, Muddy Creek (COUCUC07a)
- Upper Colorado segment 7b, Muddy Creek (COUCUC07b)
- Upper Colorado segment 10c (COUCUC10c)
- Upper Colorado segment 12, Shadow Mountain Reservoir (COUCUC12)
- Yampa River segment 2a, Yampa River above Stagecoach Reservoir (COUCYA02a)
- Yampa River segment 2b (COUCYA02b)
- Yampa River segment 3, Little Morrison Creek and Gunn Creek (COUCYA03)
- Yampa River segment 15, Elkhead Creek (COUCYA15)

The Commission added the following segments to the M&E List for potential non- attainment of the arsenic standard:

- Middle Arkansas segment 11b (C)OARMA11b)
- Lower Arkansas segment 10, Adobe Creek Reservoir (COARLA10)
- Upper Arkansas segment 35 (COARUA35)
- Upper Arkansas segment 38, Skagway Reservoir (COARUA38)
- Lower Dolores segment 5, Mesa Creek and tributaries (COGULD05)
- Lower Colorado segment 2b, Humphrey Backwater area (COLCLC02b)
- Lower Colorado segment 14c (COLCLC14c)
- Lower Colorado segment 20, Rifle Gap Reservoir (COLCLC20)
- Bear Creek segment 11, Harriman Reservoir (COSPBE11)
- Cache la Poudre segment 7 (COSPCP07)
- Laramie segment 2a (COSPLA02a)
- Laramie segment 2b (COSPLA02b)
- Alamosa River segment 20 (CORGAL20)
- Rio Grande segment 37 (CORGRG37)
- Upper South Platte segment 12, Jackson Creek (COSPUS12)
- Blue River segment 12 (COUCBL12)
- Eagle River segment 9b (COUSEA09b)
- North Platte segment 4a, Grizzly Creek and Little Grizzly Creek (COUSNP04a)
- Upper Colorado segment 3, Lake Granby to Gore Canyon (COUCUC03)
- Upper Colorado segment 12, Willow Creek Reservoir (COUCUC12)
- Yampa River segment 18, South Fork of the Little Snake River (COUCYA18)
- Upper Gunnison segment 29a, Lake Fork of the Gunnison River Upstream of Cotonwood Creek (COGUUG29a)
- Yampa River segment 8, Lost Dog Creek (COUCYA08)

The Commission retained the following segments on the 303(d) List for exceedances of the arsenic standard:

- Upper Gunnison segment 09, Coal Creek (COGUUG09)

- Upper Gunnison segment 11, Elk Creek (COGUUG11)
- Upper Gunnison segment 11, Coal Creek (COGUUG11)
- Big Thompson segment 11 (COSPBT11)
- Cache la Poudre segment 14 (COSPCP14)
- Upper South Platte segment 3, Fourmile Creek (COSPUS03)
- Upper South Platte segment 3, Pine Creek (COSPUS03)
- Upper South Platte segment 14 (COSPUS14)
- Upper South Platte segment 17a, Berkeley Lake (COSPUS17a)

The Commission retained the following segment on the M&E List for exceedances of the arsenic standard:

- Upper South Platte segment 03, West Creek (COSPUS03)

The Commission retained the following segment on the M&E List for exceedances of the nitrite standard:

- Middle Arkansas segment 4a (COARMA04a)

The Commission added the following segment to the M&E List for exceedances of the nitrite standard:

- Lower Colorado segment 2b, Humphrey Backwater Area (COLCLC02b)

The Commission delisted the following segments as they are attaining the arsenic standard:

- Upper Arkansas segment 20, North Fork Wilson Creek below Independence Mine (COARUA20)
- Saint Vrain segment 4c (COSPSV04c)

11. Listings Due to Exceedances of the Total Phosphorus Standards

In May 2012, the Commission adopted nutrient control management regulations, as detailed in Regulation 85 and Regulation 31. Interim total nitrogen and total phosphorus values were included in Regulation 31, and as the Commission revises basin regulations, the interim value for total phosphorus is adopted as a numeric standard in waters upstream of domestic wastewater treatment facilities. A list of such dischargers has been included in each of the basin regulations. At the time of this hearing, the total phosphorus standard has been adopted in the upstream waters of the following basins: Upper Colorado, Lower Colorado, Arkansas, and Rio Grande.

For the 2016 303(d) Listing Methodology, the Commission outlined the assessment methodology for numeric nutrient standards. The ambient annual median is assessed against the numeric standard, with an allowable exceedance frequency of one in five years. If the annual median nutrient concentration exceeds the standard but fewer than five samples are available for a specific year, the segment should be included on the M&E until additional data can be collected.

The following segments have been included on the M&E list for exceeding the numeric total phosphorus standard but not meeting sample size requirements.

- Lower Colorado segment 4a (COLCLC04a)
- Closed Basin segment 2a, North Fork Carnero Creek (CORGCB02a)
- Closed Basin segment 2a, South Fork Carnero Creek (CORGCB02a)
- Closed Basin segment 2b, La Garita Creek (CORGCB02b)
- Closed Basin segment 2c (CORGCB02c)
- Closed Basin segment 12a (CORGCB12a)

- Rio Grande segment 11 (CORGRG11)
- Rio Grande segment 19 (CORGRG19)
- Rio Grande segment 20a (CORGRG20a)
- Rio Grande segment 20b (CORGRG20b)

12. Delisting of Segments with Recently Approved TMDLs

The Division submitted 11 TMDLs to EPA since the approval of the 2012 303(d) List that have been approved. The Commission has removed the following segments from the 303(d) List:

- Upper Arkansas segment 8b, Iowa Gulch: cadmium, lead, and zinc (COARUA08b)
- Lower Gunnison segment 9, Fruitgrowers Reservoir: dissolved oxygen (COGULG09)
- Alamosa segment 8, Terrace Reservoir: total recoverable iron (CORGAL08)
- La Plata segment 4a, East Mancos: copper and manganese (COSJLP04a)
- Middle South Platte segment 4, Barr Lake and Milton reservoir: pH and DO (COSPMS04)
- Saint Vrain segment 4a, Left Hand Creek from Hwy 72 to James Creek: copper, zinc, and pH (COSPSV04a)
- Saint Vrain segment 4b: copper and lead (COSPSV04b)
- Saint Vrain segment 4c: copper (COSPSV04c)

13. Delisting of Segments where Water Quality is Currently Meeting Standards

As additional water quality data is collected and assessed, new data may show attainment of the standards. The Commission removed the following segments and parameters from the 303(d) List due to attainment of current water quality standards:

- Fountain Creek segment 7a, Willow Springs Ponds #1 & #2: Aquatic life use (tetrachloroethylene fish tissue) (COARFO07a)
- Lower Arkansas segment 1a: selenium, sulfate (COARLA01a)
- Lower Arkansas segment 4a, Timpas Creek: total recoverable iron (COARLA04a)
- Lower Arkansas segment 7: selenium (COARLA07)
- Lower Arkansas segment 9b, Chicosa Creek: total recoverable iron, selenium (COARLA09b)
- Middle Arkansas segment 6a: selenium (COARMA06a)
- Middle Arkansas segment 14: selenium (COARMA14)
- Upper Arkansas segment 20, Wilson Creek below Independence Mine: arsenic (COARUA20)
- Upper Arkansas segment 40: dissolved oxygen (COARUA40)
- Lower Gunnison segment 9: dissolved oxygen (COGULG09)
- Upper Gunnison segment 29a, Lake Fork between Cooper and Silver Creeks: aquatic life (provisional) (COGUUG29a)
- Lower Colorado segment 10: selenium (COLCLC10)
- Lower Colorado segment 13b, Adobe Creek, Leach Creek: total recoverable iron (COLCLC13b)
- Lower Yampa segment 2: total recoverable iron (COLCLY02)
- Lower Yampa segment 5: selenium (COLCLY05)
- White River segment 14a, Willow Creek to Hunter Creek: total recoverable iron (COLCWH14a)
- Alamosa segment 3b, Alamosa River above Jasper Creek: cadmium (CORGAL03b)
- Alamosa segment 8, Terrace Reservoir: total recoverable iron (CORGAL08)
- Rio Grande segment 7, Nelson Creek, West Willow Creek below Nelson Creek to East Willow Creek: pH (CORGRG07)
- Rio Grande segment 37: dissolved oxygen (CORGRGR37)
- Big Dry segment 1: selenium (COSPBD01)
- Bear Creek segment 2, below Kipling Parkway: *E. coli* (COSPBE02)
- Bear Creek segment 5, Swede/Kerr Gulch: *E. coli* (COSPBE05)

- Big Thompson segment 2: cadmium, zinc, copper (from downstream of the UTSD discharge) (COSPBT02)
- Big Thompson segment 8: dissolved oxygen (COSPBT08)
- Big Thompson segment 9: copper (COSPBT09)
- Big Thompson segment 10, Big Hollow: selenium (COSPBT10)
- Cherry Creek segment 3: selenium (COSPCH03)
- Cherry Creek segment 3, Cherry Creek from Holly Street to the South Platte River: total recoverable iron (COSPCH03)
- Clear Creek segment 2b: cadmium (COSPCL02b)
- Clear Creek segment 6, Mad Creek: zinc (COSPCL06)
- Clear Creek segment 15: manganese (COSPCL15)
- Cache la Poudre segment 8: arsenic (COSPCP08)
- Cache la Poudre segment 10a: copper (COSPCP10a)
- Cache la Poudre segment 11: selenium (COSPCP11)
- Cache la Poudre segment 12: selenium (COSPCP12)
- Cache la Poudre segment 13a: selenium (COSPCP13a)
- Cache la Poudre segment 14: copper (COSPCP14)
- Middle South Platte segment 1b: selenium (COSPMS01b)
- Middle South Platte segment 7, Prospect Lake: dissolved oxygen (COSPMS07)
- Republican River segment 4: E.coli (COSPRE04)
- St. Vrain segment 2a: zinc (COSPSV02a)
- St. Vrain segment 2b: copper (COSPSV02b)
- St. Vrain segment 6: selenium (COSPSV06)
- Upper South Platte segment 17a, Duck Lake: dissolved oxygen (COSPUS17a)
- Upper South Platte segment 17b, Sloan's Lake: dissolved oxygen (COSPUS17b)
- Upper South Platte segment 23, Garfield and Huston Lakes: dissolved oxygen (COSPUS23)
- North Platte segment 4b, Illinois River: total recoverable iron (COUCNP04b)
- North Platte segment 9, Lake John: dissolved oxygen (COUCNP09)
- Upper Colorado segment 3, from 578 Rd Bridge to Blue River: manganese (COUCUC03)
- Yampa River segment 13d, Below Seneca sample location 8 (WSD5): selenium (COUCYA13d)

The Commission removed the following segments and parameters from the M&E List due to attainment of current water quality standards:

- Middle Arkansas segment 6a: uranium (COARMA06a)
- Middle Arkansas segment 6b: uranium (COARMA06b)
- Middle Arkansas segment 7b: copper, zinc (COARMA07b)
- Middle Arkansas segment 9: selenium (COARMA09)
- San Miguel segment 12a, Calamity Draw: dissolved oxygen (COGUSM12a)
- Lower Colorado segment 4a, Alkali Creek: *E. coli* , copper, total recoverable iron, lead, zinc (COLCLC04a)
- Lower Colorado segment 4c: copper and selenium (COLCLC04c)
- Lower Colorado segment 13b, Indian Wash: total recoverable iron (COLCLC13b)
- Lower Colorado segment 15a, Plateau Creek: selenium (COLCLC15a)
- Lower Yampa segment 3c, Stinking Gulch: copper, zinc (COLCLY03c)
- Lower Yampa segment 3c, Wilson Creek: selenium (COLCLY03c)
- Lower Yampa segment 18: *E .coli*, total recoverable iron, selenium (COLCLY18)
- White River segment 7, White River below Meeker: copper (COLCWH07)
- White River segment 9a, Strawberry Creek: copper, zinc (COLCWH09a)
- White River segment 23, East Douglas Creek: total recoverable iron (COLCWH23)
- White River segment 10b, Coal Creek below Ninemile Gulch: selenium (COLCWH10b)
- Closed Basin segment 9a, Squirrel Creek: cadmium, copper, zinc, total recoverable iron (CORGCB09a)
- Blue River segment 20, Spruce Creek: total recoverable iron (COUCBL20)

- Boulder Creek segment 1: lead, zinc (COSPBO01)
- Boulder Creek segment 2a: cadmium, copper (COSPBO02a)
- Boulder Creek segment 2b: cadmium, copper (COSPBO02b)
- Boulder Creek segment 3: cadmium, copper (COSPBO03)
- Boulder Creek segment 9: cadmium (COSPBO09)
- Boulder Creek segment 10: cadmium (COSPBO10)
- Boulder Creek segment 14, Boulder Reservoir: cadmium (COSPBO14)
- Big Thompson segment 2: sulfide (COSPBT02)
- Big Thompson segment 6, Dry Creek: *E. coli* (COSPBT06)
- Cherry Creek segment 6, Lollipop Lake: selenium (COSPCH06)
- Clear Creek segment 6, Mad Creek: pH (COSPCL06)
- Clear Creek segment 6, Hoop Creek: cadmium, lead, zinc (COSPCL06)
- Clear Creek segment 9a, Fall River: zinc, dissolved oxygen (COSPCL09a)
- Clear Creek segment 15: lead (COSPCL15)
- Cache la Poudre segment 6: copper (COSPCP06)
- Cache la Poudre segment 9: cadmium, lead (COSPCP09)
- Lower South Platte segment 3, Jackson Reservoir: selenium (COSPLS03)
- North Platte segment 1, South Fork Big Creek: copper, *E. coli* (COUCNP01)
- North Platte segment 4a, Little Grizzly Creek: *E. coli*, total recoverable iron (COUCNP04a)
- North Platte segment 4a, Grizzly Creek, Little Grizzly Creek: Aquatic Life Use (COUCNP04a)
- North Platte segment 4a, Lake Creek: pH (COUCNP04a)
- Roaring Fork segment 3a, Capitol Creek: selenium (COUCRF03a)
- Roaring Fork segment 10, Thompson Creek: total recoverable iron (COUCRF10)
- St. Vrain segment 13, Lake Thomas: dissolved oxygen (COSPSV13)
- Upper Colorado segment 10c, Fraser River: copper, lead (COUCUC10c)
- Upper Colorado segment 10c, from Town of Fraser to Colorado River: copper (COUCUC10c)
- Upper Colorado segment 10c, from Town of Tabernash to Town of Granby: lead (COUCUC10c)
- Upper South Platte segment 12, Jackson Lake: lead (COSPUS12)
- Upper South Platte segment 17a, Rocky Mountain Lake and Grasmere Lake: copper (COSPUS17a)
- Upper South Platte segment 17b, Sloan's Lake: total recoverable iron (COSPUS17b)
- Upper South Platte segment 23, Aqua Golf: total recoverable iron (COSPUS23)
- Yampa segment 2a, Yampa River below Stagecoach: selenium (COUCYA02a)
- Yampa segment 3, Little Morrison Creek: zinc, dissolved iron (COUCYA03)
- Yampa segment 3, Walton Creek: manganese (COUCYA03)
- Yampa River segment 13d, Dry Creek below Routt County Rd 53: lead and E.coli (COUCYA13d)

14. Delisting of Segments where Water Quality is Currently Meeting Ambient Based Standards

The Commission adopted a new assessment methodology in the 2016 Listing Methodology to evaluate ambient based standards. This methodology uses a statistical approach based on the concept of the confidence interval to minimize uncertainty of assessment conclusions. The following segments were delisted due to attainment of ambient based standards using the new assessment methodology for ambient based standards:

- Middle Arkansas segment 4a: selenium (COARMA04a)
- Middle Arkansas segment 6a: selenium (COARMA06a)

15. Listing of Segments where Water Quality is not Meeting Standards not identified above

The following segments or parameters were added to the 303(d) List due to exceedances of water quality standards not identified above:

- Fountain Creek segment 3b: copper (COARFO03b)
- Fountain Creek segment 4, Sand Creek: selenium (COARFO04)
- Lower Arkansas segment 1a, *E. coli* (COARLA01a)
- Lower Arkansas segment 9b, Big Sandy Creek: total recoverable iron (COARLA09b)
- Lower Arkansas segment 10, Nee Gronda: selenium (COARLA10)
- Lower Arkansas segment 12, Lake Meredith: selenium (COARLA12)
- Middle Arkansas segment 3: selenium (COARMA03)
- Middle Arkansas segment 14: total recoverable iron (COARMA14)
- Upper Arkansas segment 4a: copper (COARUA04a)
- Upper Arkansas segment 5, Lake Fork below Sugarloaf Dam: zinc (COARUA05)
- Upper Arkansas segment 5, Colorado Gulch: cadmium, copper, zinc (COARUA05)
- Upper Arkansas segment 12a: cadmium (COARUA12a)
- Uncompahgre segment 9, Imogene Creek: cadmium and zinc (COGUUN09)
- Lower Colorado segment 4a, Mamm Creek: total recoverable iron (COLCLC04a)
- Lower Colorado segment 4a, South Canyon Creek above Hot Springs: total recoverable iron (COLCLC04a)
- Lower Colorado segment 13b: total recoverable iron (COLCLC13b)
- Lower Colorado segment 14c, Roan Creek: total recoverable iron (COLCLC14c)
- Lower Yampa segment 3c, Wilson Creek: total recoverable iron (COLCLY03c)
- Lower Yampa segment 3c, Stinking Gulch: selenium (COLCLY03c)
- Closed Basin segment 3, Willow Creek: copper (CORGCB03)
- Closed Basin segment 12a: total recoverable iron (CORGCB12a)
- Rio Grande segment 2, South Clear Creek: total recoverable iron (CORGRG02)
- Rio Grande segment 4a: lead (CORGRG04a)
- Rio Grande segment 4c: copper (CORGRG04c)
- Rio Grande segment 7: cadmium, lead, zinc (CORGRG07)
- Rio Grande segment 9, North Branch of Pass Creek: zinc (CORGRG09)
- Big Dry Creek segment 1, Big Dry Creek downstream of Weld County Road 8: total recoverable iron (COSPBD01)
- Boulder Creek segment 2a, North Boulder Creek from Caribou Creek to the confluence with Como Creek: copper (COSPBO02a)
- Boulder Creek segment 2a, Como Creek to the confluence of North Boulder Creek: total recoverable iron (COSPBO02a)
- Boulder Creek segment 2a, North Boulder Creek to confluence of Caribou Creek: copper and lead (COSPBO02a)
- Boulder Creek segment 4a: copper (COSPBO04a)
- Boulder Creek segment 4b: copper (COSPBO04b)
- Boulder Creek segment 7b, below Rock Creek: selenium (COSPBO07b)
- Boulder Creek segment 9: *E. coli* (COSPBO09)
- Boulder Creek segment 10: pH (COSPBO10)
- Boulder Creek segment 14, Barker Reservoir: copper (COSPBO14)
- Big Thompson segment 2, from RMNP to above UTSD discharge: copper (CPSPBT02)
- Cherry Creek segment 2: chlorophyll and dissolved oxygen (COSPCH02)
- Cherry Creek segment 4a, Goldsmith Gulch: *E. coli* and selenium (COSPCH04a)
- Cherry Creek segment 4a, McMurdo Gulch: dissolved oxygen (COSPCH04a)
- Cherry Creek segment 4b, Upper Windmill Creek: selenium (COSPCH04b)
- Clear Creek segment 2c, Turkey Gulch below Rockford Tunnel: copper, nickel, total recoverable iron, zinc (COSPCL02c)
- Clear Creek segment 5, from Hoop Creek to confluence with Clear Creek: copper (COSPCL05)
- Clear Creek segment 6, Mad Creek: copper (COSPCL06)
- Clear Creek segment 6, North Empire Creek: copper (COSPCL06)

- Clear Creek segment 12a, Gilson Gulch and tributaries: cadmium, copper, nickel, lead, selenium and zinc (COSPCL12a)
- Clear Creek segment 12a, all tributaries except Gilson Gulch: cadmium, copper, and zinc (COSPCL12a)
- Clear Creek segment 15: ammonia (COSPCL15)
- Cache la Poudre segment 11: *E. coli* (COSPCP11)
- Cache la Poudre segment 13b: *E. coli* (COSPCP13b)
- Laramie segment 2b: copper (COSPLA02b)
- Lower South Platte segment 1: uranium (COSPLS01)
- Lower South Platte segment 3, North Sterling: dissolved oxygen and selenium (COSPLS03)
- Middle South Platte segment 1b: *E. coli* (COSPMS01b)
- St. Vrain segment 3: *E. coli* (COSPSV03)
- St. Vrain segment 5, Left Hand Creek: pH (COSPSV05)
- St. Vrain segment 6, Dry Creek: selenium (COSPSV06)
- Upper South Platte segment 2c, South Mosquito Creek: cadmium (COSPUS02c)
- Upper South Platte segment 3, Trout Creek and tributaries: dissolved oxygen and pH(COSPUS03)
- Upper South Platte segment 5b, Geneva Creek: pH(COSPUS05b)
- Upper South Platte segment 10a, Plum Creek: *E. coli*(COSPUS10a)
- Upper South Platte segment 16c: *E. coli*(COSPUS16c)
- Upper South Platte segment 16i: *E. coli*(COSPUS16i)
- Upper South Platte segment 16i, Sand Creek from Westerly Creek to the South Platte River: selenium (COSPUS16i)
- Upper South Platte segment 17a, Rocky Mountain Lake: dissolved oxygen (COSPUS17a)
- Upper South Platte segment 17a, Smith Lake: pH (COSPUS17a)
- Upper South Platte segment 17a, Grasmere Lake: ammonia (COSPUS17a)
- Upper South Platte segment 23, Garfield Lake: dissolved oxygen (COSPUS23)
- Upper South Platte segment 23, Aqua Gulf: pH (COSPUS23)
- Upper South Platte segment 23, Parkfield Lake: pH (COSPUS23)
- Blue River segment 2a, above South Barton Gulch: zinc (COUCBL02a)
- Blue River segment 4a, Gold Run Gulch below Jessie Mine: zinc (COUCBL04a)
- Blue River segment 4a, Meadow Creek: copper (COUCBL04a)
- Blue River segment 6a: zinc (COUCBL06a)
- Blue River segment 12: zinc (COUCBL12)
- North Platte segment 4a, Snyder Creek: total recoverable iron (COUCNP04a)
- North Platte segment 9, Lake John: pH (COUCNP09)
- Upper Colorado segment 2, north inlet to Grand Lake: copper (COUCUC02)
- Upper Colorado segment 10a, Vasquez Creek: copper (COUCUC10a)
- Yampa segment 3, Little Morrison Creek: total recoverable iron (COUCYA03)
- Yampa segment 3, Gunn Creek: zinc (COUCYA03)
- Yampa segment 13h: selenium (COUCYA13h)

The following segments or parameters were added to the M&E List due to exceedances of water quality standards not identified above:

- Fountain segment 4, Little Fountain Creek below Deadman Canyon: selenium (COARFO04)
- Lower Arkansas segment 3a: *E. coli* (COARLA03a)
- Lower Arkansas segment 7: *E. coli* (COARLA07)
- Lower Arkansas segment 9a, Adobe Creek: total recoverable iron (COARLA09a)
- Lower Arkansas segment 12, Lake Henry: total recoverable iron (COARLA12)
- Middle Arkansas segment 11b: total recoverable iron (COARMA11b)
- Upper Arkansas segment 5, Lake Fork below Sugarloaf Dam: cadmium (COARUA05)
- Upper Arkansas segment 5, Colorado Gulch: silver, lead (COARUA05)

- Upper Gunnison segment 29a, Lake Fork of the Gunnison upstream of Cottonwood Creek: zinc and cadmium (COGUUG29a)
- Uncompahgre segment 9, Imogene Creek: copper (COGUUN09)
- Lower Colorado segment 3: selenium (COLCLC03)
- Lower Colorado segment 4e: total recoverable iron, copper, selenium and cadmium (COLCLC04e)
- Lower Colorado segment 13a, Sulphur Gulch: total recoverable iron, copper and lead (COLCLC13a)
- Lower Colorado segment 16: total recoverable iron (COLCLC16)
- Lower Yampa segment 3c, Wilson Creek: selenium (COLCLY03c)
- Lower Yampa segment 3e: selenium (COLCLY03e)
- White River segment 7, White River below Meeker: total recoverable iron (COLCWH07)
- Alamosa River segment 10: total recoverable iron (CORGAL10)
- Alamosa River segment 12: total recoverable iron (CORGAL12)
- Closed Basin segment 3, Cottonwood Creek: copper (CORGCB03)
- Closed Basin segment 3, Major Creek: total recoverable iron (CORGCB03)
- Closed Basin segment 5: copper (CORGCB05)
- Closed Basin segment 10, Sand Creek: copper (CORGCB10)
- Closed Basin segment 12a, Ford Creek: cadmium and zinc (CORGCB12a)
- Rio Grande segment 3: total recoverable iron (CORGRG03)
- Rio Grande segment 9, North Branch of Pass Creek: copper (CORGRG09)
- Rio Grande segment 25: copper (CORGRG25)
- Rio Grande segment 28, Upper Rito Seco below Battle Mountain: copper (CORGRG28)
- Rio Grande segment 33, Alberta Park: silver (CORGRG33)
- Rio Grande segment 38, Road Canyon: silver (CORGRG38)
- Boulder Creek segment 14, Barker Reservoir: silver (COSPBO14)
- Big Thompson segment 5: *E. coli* (COSPBT05)
- Big Thompson segment 10: dissolved oxygen (COSPBT10)
- Clear Creek segment 3b: cadmium (COSPCL03b)
- Clear Creek segment 6, North Empire Creek: cadmium, total recoverable iron, zinc (COSPCL06)
- Clear Creek segment 12a, Gilson Gulch and tributaries: pH (COSPCL12a)
- Clear Creek segment 12a, all tributaries except Gilson Gulch: dissolved oxygen (COSPCL12a)
- Clear Creek segment 14b: ammonia (COSPCL14b)
- Clear Creek segment 17b: *E. coli* (COSPCL17b)
- Cache la Poudre segment 7: silver (COSPCP07)
- Cache la Poudre segment 9: pH (COSPCP09)
- Cache la Poudre segment 12: pH (COSPCP12)
- St. Vrain segment 2b: silver(COSPSV02b)
- Upper South Platte segment 1a, Middle South Platte: pH (COSPUS01a)
- Upper South Platte segment 3, West Creek: total recoverable iron, dissolved oxygen (COSPUS03)
- Upper South Platte segment 23, Aqua Gulf: ammonia (COSPUS23)
- Upper South Platte segment 23, Harvey Lake: total recoverable iron (COSPUS23)
- Blue River segment 4a, Meadow Creek: zinc (COUCBL04a)
- Blue River segment 12: copper (COUCBL12)
- North Platte segment 4a, Illinois River: copper (COUCNP04a)
- North Platte segment 5b: copper (COUCNP05b)
- North Platte segment 6: copper (COUCNP06)
- Roaring Fork segment 2: copper (COUCRF02)
- Upper Colorado segment 8, below Kinney: copper (COUCUC08)
- Yampa segment 13j: selenium (COUCYA13j)

16. Site-specific decisions made by the Commission are discussed below.

a. Segments COARF001a, COARF002a, COARF002b, COARF003a COARF004 and COARF006 – Waldo Canyon Fire and Storm Events

The Arkansas Fountain Coalition for Urban River Evaluation ("AF CURE") raised site-specific issues with listing segments that are within the geographic area that was affected by the Waldo Canyon Fire in 2012 and with using samples that are collected during or soon after storm events.

Data collected after the Waldo Canyon Fire was appropriately used to assess segments COARF001a, COARF002a, COARF002b, COARF003a COARF004 and COARF006. Any variability in data was alleviated through application of the nonparametric statistical analysis as included in the Listing Methodology; removal of data that was collected by USGS as part of a special study specifically looking at the effects of the fire; or by comparing attainment of water quality standards before and after the fire event, and where available listing those segments on the 303(d) list that were out of attainment prior to the fire event and out of attainment after the fire event (segments that were in attainment prior to the fire event were listed on the M&E list). Additionally, the Commission was uncertain whether two years is a sufficient period of time for macroinvertebrate communities to recover from the impacts of sedimentation that result from forest fires, and the time may vary based on the proximity to the fire, the amount of water flowing through the waterway, and other factors. The Commission anticipates that the next iteration of the Listing Methodology will address the complexity of listing fire, flood, or other catastrophic event impacts on streams to provide further guidance for these types of decisions, and also acknowledges that there may be many case specific determinations.

Condition Prior to Fire	**Condition After Fire**	**Recommended Listing**
Out of Attainment	Out of Attainment	List on 303(d) List
In Attainment	Out of Attainment	List on M & E List
Out of Attainment	In Attainment	Do not list

Based on USGS standard operating procedure, the Commission determined that sampling should not be conducted for four weeks following a significant flushing event. However, the data on the record for these segments was collected outside of the four week window, and therefore was appropriately included in the assessment.

b. Portion of segment COSPCL03a (South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake) - Category 4b Plan for Nonattainment of the Aquatic Life Use

Public Service Company of Colorado (PSCo) submitted a Category 4b Demonstration Plan (the Plan) to the Division for Clear Creek segment 3a in the South Platte River Basin, for the portion of the segment of South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake. Category 4b is an alternative to listing an impaired segment on the 303(d) list. A Category 4b Demonstration Plan, when implemented, must ensure attainment of all applicable water quality standards through pollution control mechanisms within a reasonable time period. The Plan was accepted by the U.S. Environmental Protection Agency prior to the rulemaking hearing. The Commission approved Public Service Company of Colorado's Category 4b Plan for segment COSPCL03a (South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake) and as a result, the Commission did not include Clear Creek segment 3a, South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake, on the 303(d) List for the aquatic life use, for which the Category 4b Demonstration Plan was written. PSCo will provide updates on the implementation of the Plan to the Commission in future 303(d) rulemaking hearings. The Commission expects that after a reasonable period of time as defined in the Category 4b Demonstration Plan, the aquatic life use be reexamined on this portion of Clear Creek segment 3a. If the aquatic life use is not attained by this time, the segment will be considered impaired and placed on the 303(d) List.

c. Segment COLCLC03 – Chronic Aquatic Life Use-based Selenium Standard

In 2012, the Commission removed Lower Colorado segment 3 from the 303(d) List for selenium impairment due to attainment of standards. At that time, USFWS opposed its removal from the list because the segment is critical habitat for the endangered Colorado pike minnow and razorback sucker. The Commission acknowledged the significance of this issue and recommended USFWS pursue an alternative standard in the next Colorado basin rulemaking; however, USFWS did not submit a proposal in 2014. In this rulemaking there was consensus that the acute selenium standard was attained; however, there was disagreement among the parties regarding whether the chronic selenium standard is attained due to uncertainty regarding the representativeness of a portion of the data set used in the assessment.

During 2012-2014, EPA and USFWS collected samples in segment 3 targeting critical habitat for the endangered fish. These samples were collected during low-flow periods from August to October. Colorado River Water Conservation District and the Colorado Stone, Sand and Gravel Association disagreed about whether the tributary-influenced sample locations and time periods are representative of conditions in the mainstem. Specifically, these parties argued that the majority of the data comes from poorly mixed sites located downstream of tributaries, and therefore is not representative of the spatial and temporal variability.

When the Commission adopts a standard it applies to the entire segment including areas of the segment that are under the influence of tributaries. The Listing Methodology excludes data collected within the mixing zone of a discharge (as defined by Regulation 31), however it does not exclude data collected at the confluences of tributaries and river mainstems. Because selenium bio-accumulates in fish, the chronic selenium standard is designed to protect fish from cumulative life-long exposure. The default from the Listing Methodology is that data from the entire segment (including data at the confluences) is representative because the data represents the levels of selenium that aquatic food chain is exposed to through the segment.

However, where a sampling study targets a particular constituent in a portion of a segment, the data from that study may be skewed and may not be representative of the spatial and temporal nature of the whole segment. Here the Commission determined that it is unclear whether the data collected in the EPA and USFWS's study was representative of the entire segment, and therefore included segment 3 (COLCLCO3) on the 2016 M&E List for selenium.

The River District and the Colorado Stone Sand and Gravel Association have agreed to work with the Division, the Selenium Task Force, and other stakeholders to evaluate whether an alternative approach to a TMDL may be a more effective approach to achieving load reductions

d. COUCEA05c – Upstream Sources of Loading

Segment 5c on the Eagle River is located downstream of the Eagle Mine superfund site with a history of being impacted by the mine. Remedial activities conducted at the Eagle Mine superfund site beginning in the late 1980s resulted in reductions in metals loading and improved water quality in the Eagle River in the vicinity of the superfund site.

At the 2005 Regulation No. 33 rulemaking hearing (Reg. 33 RMH), the Commission adopted resegmentation of Eagle River segment 5 into segments 5a, 5b, and 5c, based on recognized changes in water quality, hardness, and use. In this rulemaking hearing, the Commission placed segment 5c on the 303(d) list for dissolved iron and total recoverable arsenic. Although it was argued that the upstream segments (segments 5a and 5b) should also be included on the 303(d) list as the primary source of contamination in segment 5c, segments 5a and 5b were not included in the Notice for this Rulemaking. The Commission finds that data collected in segment 5c which consisted of 123 total arsenic values with lower detection limits were representative of water quality conditions. The majority of data submitted to assess segments 5a and 5b, however, used a reporting limit of 15 ug/L for the water quality standard of 0.02 ug/L, and all such data were reported as non-detect (43 of the 65 values for segment 5a, and 79 of the 98 values for segment 5b). It is the Commission's intent that TMDLs for this segment 5c will consider upstream sources of loading occurring in the Eagle River as is the division's typical practice for TMDL development.

e. COUCNP04b – Total Recoverable Iron

Jackson County Water Conservancy District (District) proposed to remove the Illinois River (COUCNP04b) from the 303(d) List for total recoverable iron. The division assessed total recoverable iron for the Illinois River portion of the segment. After locational issues with sampling sites were resolved, the division concluded that the segment was in attainment of the total recoverable iron standard. The 50th percentile of the 10 total recoverable iron values for the portion was found to be 746 ug/L, a value less than the aquatic life standard of 1000 ug/L. Therefore, the data supported delisting of this portion and the Commission removed this segment from the 303(d) List for total recoverable iron.

f. COSPUS06a – Aquatic Life

Several parties raised issues with the representative nature of the aquatic life data for Upper South Platte segment 6a. Specifically they state that one data point is not enough to make a listing decision, that the location of the data point collected was not representative of the segments and that the 2003 EPA Standard Operating Procedure (SOP) for collecting benthic macroinvertebrate samples were not used. All of these issues are inconsistent with the Listing Methodology.

The Listing Methodology establishes the standard procedure for collecting macroinvertebrate data, which is the procedure established in Policy 10-1. The Commission reiterates that one data point is sufficient to include or remove a segment on the 303(d) List. Appendix B of the Listing Methodology ensures that samples are collected in stream reaches that are representative but does not necessarily prohibit sampling near areas of human disturbance. The Commission determined that both stations used in the assessment of segment 6a are located at a substantial and sufficient distance upstream from the nearest road or bridge crossing, which in this instance is a highway. Finally, the Commission determined that following the procedures in Policy 10-1 is the appropriate methodology, or standard operating procedure for collecting macroinvertebrate data.

The Commission determined that the data was representative and that segment 6a should be included on the 303(d) List provisionally. The Commission directs the division and interested parties to study this segment to determine the stressors and pollutants that are impacting aquatic life in this segment.

g. Indian Reservations

The Commission intends that the list of water quality-limited segments requiring total maximum daily loads shall apply to waters within the external boundaries of the Southern Ute Indian Reservation only to the extent that the state has jurisdiction, and is not attempting to resolve that jurisdictional issue here.

h. COSPUS10a *E. coli*

Chatfield Watershed Authority will continue its proactive monitoring program, including current *E. coli* data collection efforts. The Authority is in the early stages of the data analysis and interpretation. Any potential control measures will be based on data and science.

i. COSPUS16h – Selenium in Toll Gate Creek, East Toll Gate Creek and West Toll Gate Creek

Toll Gate Creek, East Toll Gate Creek, and West Toll Gate Creek are meeting adopted ambient selenium standards. Toll Gate Creek, East Toll Gate Creek, and West Toll Gate Creek were resegmented from Upper South Platte segment 16c to segment 16h at the 2008 Temporary Modifications RMH but never formally delisted from the 303(d) List.

j. COUCNP04a – Sand Creek

State Line Ranch submitted a proposal as part of written public comment proposing that Sand Creek be listed as impaired for sediment due to impacts to a beneficial use. While the Commission found the evidence submitted to be persuasive and compelling evidence of impairment, the Commission was reluctant to list the segment as impaired in this hearing for a number of reasons. One reason was that the proposal was made late in the process and therefore the Division had not had an opportunity to thoroughly review and evaluate the proposal. In addition, potentially affected parties, such as the BLM and the affected local community, were not able to participate in the process. Also, because this would be the first time a segment would be listed for sediment impairing a beneficial use, the Commission would like to proceed thoughtfully to establish appropriate precedent about the factors to be considered in such a decision. Therefore, the Commission included the segment on the M&E List. A proposal may be made for a special hearing to consider this proposal, or that it may be proposed to be included on the 303(d) List as part the next 303(d) listing cycle.

PARTIES TO THE RULEMAKING HEARING

1. Public Service Company of Colorado
2. Jackson County Water Conservancy District
3. Bear Creek Watershed Association
4. Climax Molybdenum Company
5. Colorado Parks and Wildlfie
6. Cripple Creek and Victor Gold Mining Company
7. U.S. Environmental Protection Agency
8. Eagle River Water and Sanitation District
9. Town of Fraser
10. Silverthorne/Dillon Joint Sewer Authority
11. Suncor Energy (U.S.A.) Inc.
12. Upper Blue Sanitation District
13. Upper Thompson Sanitation District
14. Upper Clear Creek Watershed Association
15. Cherry Creek Basin Water Quality Authority
16. Eagle River Watershed Council
17. Centennial Water and Sanitation District
18. City of Colorado Springs and Colorado Springs Utilities
19. Tri-State Generation and Transmission Association, Inc.
20. City of Boulder
21. Metro Wastewater Reclamation District
22. Barr Lake and Milton Reservoir Watershed Association
23. Colorado Stone, Sand and Gravel Association
24. MillerCoors, LLC
25. Town of Castle Rock
26. City of Steamboat Springs
27. Cottonwood Water and Sanitation District
28. Trapper Mining Company
29. Seneca Coal Company; Peabody-Sage Creek Mining Company; and Twentymile Coal, LLC
30. Plum Creek Water Reclamation Authority
31. POC-1, LLC
32. City of Aurora
33. Northwest Colorado Council of Governments Water Quality/Quantity Committee
34. City of Black Hawk
35. Tri-Lakes Wastewater Treatment Facility
36. Northern Colorado Water Conservancy District
37. County of Pueblo
38. Colorado River Water Conservation District
39. Dominion Water and Sanitation District
40. Parker Water and Sanitation District
41. Trout Unlimited
42. Chatfield Watershed Authority
43. South Platte Coalition for Urban River Evaluation
44. Arkansas Fountain Coalition for Urban River Evalutation

93.16 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; AUGUST 2016 RULEMAKING, FINAL ACTION OCTOBER 11, 2016, EFFECTIVE DATE OF NOVEMBER 30, 2016

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the Regulation was last updated. This change was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

2. List Development

a. Listing Methodology

The Section 303(d) Listing Methodology - 2016 Listing Cycle ("Listing Methodology") provides the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission (Commission) administrative action hearing in March 2015.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2016 Section 303(d) List and the 2016 M&E List. However, this methodology was not adopted by the Commission as a rule. The Commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

To determine whether Sand Creek, a portion of segment COUCNP04a, should be included on the 303(d) List rather than the M&E List, the Commission considered existing and readily available data, which includes the data used to prepare the identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv), and data that was presented by Cody Resources LP/State Line Ranch.

3. Sand Creek, a Portion of Segment COUCNP04a

Cody Resources LP/State Line Ranch proposed that Sand Creek be listed as impaired for sediment due to impacts to a beneficial use at the Commission's December 2015 303(d) Rulemaking. The Commission, however, placed Sand Creek on the Monitoring & Evaluation List effective March 1, 2016 based on the State Line Ranch's proposal submitted as part of written public comment. While the Commission found the evidence submitted to be persuasive and compelling evidence of impairment, the Commission was reluctant to list the segment as impaired because the proposal was made late in the process and the Division had not had an opportunity to review and evaluate the proposal. In addition, potentially affected parties were not able to participate in the process. This was the first time a segment has been listed for sediment impairing a beneficial use, and so the Commission wanted to proceed thoughtfully to establish precedent about the factors considered in such a decision. The Commission, however, stated that a proposal could be made for a special hearing to consider the sediment listing proposal. State Line Ranch subsequently requested and the Commission granted and scheduled this special hearing.

In support of listing Sand Creek as impaired, State Line Ranch submitted engineering reports prepared by Hydros Consulting, work logs from the Ranch's irrigator, and presented testimony of the Ranch President and Ranch Manager. The Commission found that Hydros appropriately analyzed the four factors required to find sediment impairment using Policy 98-1, and that State Line Ranch established with clear and convincing evidence:

1. The represented expected condition in terms of sediment deposition for Sand Creek;

2. The actual observed sediment condition for Sand Creek is significantly different than the expected condition;

3. The sediment is attributable to an anthropogenic source, which is Off-Highway Vehicle use at North Sand Hills;

4. There is a beneficial irrigation use at State Line Ranch to which the excess sediment is a determent.

The Commission has accordingly updated Colorado's List of Water-Quality-Limited Segments to move Sand Creek, a portion of Segment COUCNP04a, onto its 303(d) list from its M&E list.

The Commission considered the Division's recommendation to establish quantitative benchmarks to assess conditions on Sand Creek for future listing/delisting decisions. The Commission adopted the benchmarks proposed by Cody Resources/State Line Ranch:

1. Reduction in Sand Deposition in Blankenship Meadow – State Line Ranch has and is now experiencing the formation of long sediment "fingers" in the meadow. The extent of these "fingers" should be quantified each year on the same date and compared to previous years. Quantification could occur using LandSat imagery (based on sand-related parameters such as emissivity and albedo measurements) and / or on-the-ground field measurements. This benchmark would seek to verify that sand deposition in the meadow is no longer increasing and quantify a return to pre-2011 conditions when sand deposition was not inundating additional meadowlands.

2. Return to Historical Maintenance Activities – Historical irrigation activities at State Line Ranch did not include the use of heavy equipment such as excavators or backhoes. This benchmark would track whether and when the Ranch could consistently return to those practices.

For both of these recommended benchmarks, the period of assessment will need to cover several years (due to movement of existing sediment downstream and past the headgate) and include years with wet hydrologic conditions. The Commission anticipates that the Division will work with Cody Resources/State Line Ranch to implement these benchmarks because this is the first instance in which the Commission has applied Section V of Policy 98-1 since it made revisions in November 2014.

The Commission recommends that the Bureau of Land Management evaluate the impacts of off highway vehicle use in the North Sand Hills Special Recreational Management Area to water quality and sediment impairment during the next update to the Kremmling Resource Management Plan and any related Environmental Impact Statement.

PARTIES TO THE RULEMAKING HEARING

1. Cody Resources, LP/State Line Ranch

93.17 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 2017 RULEMAKING, EFFECTIVE DATE OF MARCH 1, 2018

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the Regulation was promulgated in 2006. This list was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

This regulation also updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the Regulation was promulgated in 2012.

For the draft proposal of the 2018 Regulation #93, the format of the 303(d) and M&E List tables was changed substantially. The division developed a new format generated directly from the state's assessment tracking database (ATTAINS). The new 303(d) and M&E tables can be directly linked to the state's GIS segmentation layer and the standard's database. This new format will streamline the development of the 303(d) and M&E Lists throughout the hearing process by eliminating the need to track and change listings in two places (an assessment database and a Word table). The new format will also allow for queries and reports to be easily generated and will make for efficient and accurate reporting to EPA at the conclusion of each listing cycle as well as an automated generation of the Integrated Report.

The division studied 303(d) lists from many other states to come up with the new format. The division modeled the new tables after the State of Virginia's 303(d) List. In speaking with staff from Virginia, the division learned about the efficiencies associated with using a format generated out of the tracking database and decided that Colorado should use a similar model.

2. List Development

a. Listing Methodology

The "Section 303(d) Listing Methodology - 2018 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission (commission) administrative action hearing in March 2017.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2018 Section 303(d) List and the 2018 M&E List. However, this methodology was not adopted by the commission as a rule. The commission therefore has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

The commission considered all existing and readily available information in developing the 2018 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(a)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the division as referenced in 40 CFR §130.7(a)(5)(iii). In addition, the commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The division also independently collected and analyzed new data on a rotating basin basis as part of its triennial review efforts. This data and information was utilized in making listing proposals. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2018 listing decisions. The commission determined that such information will be considered in the next listing cycle.

c. Data Quality

In the division's "Quality Management Plan 2016 for Surface Water Monitoring and Assessment", the division states that "It is the expressed goal of the division to use only those analytical data that are both reliable and have a defined level of quality."

3. Prioritization

The objective of prioritization is to identify those segments where the division and the public should concentrate their resources. Priorities of High, Medium and Low were established according to section VI. of the 2018 Section 303(d) Listing Methodology.

The division is directed to establish a plan for monitoring and evaluating water bodies on the M&E List prior to the next listing cycle. Further, the commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Impaired Segments Not Requiring TMDLs

Below the 303(d) and M&E Lists, the regulation includes a table in Section 93.4 with waterbodies that are impaired but that do not require a TMDL. A TMDL may not be required for three main reasons: a TMDL has already been completed but uses are not yet attained; there is a required control mechanism in place that is expected to address all segment-pollutant combinations and will attain water quality standards in a reasonable period of time; or it has been determined that the impairment is not caused by a pollutant.

5. Listings Due to Exceedances of the Temperature Standards

In 2016, the commission adopted a new definition of existing quality for temperature which specifies a 1 in 3 year average recurrence frequency of a "warming event". The 2018 303(d) Listing Methodology defines an allowable cumulative impact during this once in three year period. This method relies on the concept of "degree-days" which integrates both the magnitude of temperatures over the standard, as well the duration, in days, experienced by the aquatic community. Temperature excursions (air, low flow and shoulder season) are evaluated after the warming event is considered. If temperatures exceed the number of 'degree-days' specified, and the dates that exceed temperature standards do not have applicable excursions, the segment is placed on the 303(d) List as impaired for temperature.

The party proposing a temperature listing is responsible for investigating the temperature excursions as defined in Regulation No. 31, Footnote 5c, Table 1. This footnote includes three allowable excursions to exceedances of the temperature standard. These include an air temperature excursion, a low flow excursion and a winter shoulder season excursion. For the 2018 listing cycle, the division analyzed water temperature data from more than 68 stations in more than 43 segments. In cases where the excursions were evaluated and exceedances of the temperature standards remained, the commission included these segments on the 303(d) List. In cases where the excursions were not fully evaluated and exceedances of the temperature standards remained, the commission included these segments on the M&E List.

6. Listings Due to Exceedances of the Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, dissolved manganese and sulfate, the less restrictive of the following two options apply as the numeric standard: existing quality as of January 1, 2000 or the table value criteria in Regulation No. 31, Tables II and III. For dissolved iron, the table value standard (TVS) is 300 ug/l. For dissolved manganese, the TVS is 50 ug/l. For sulfate, TVS is 250 mg/l.

For the 2016 303(d) Listing Methodology, the commission included additional language regarding the determination of existing quality from the year 2000. This includes a minimum data requirement and the ability to use data collected after the year 2000 when characterizing existing quality from 2000. The utilization of data collected past the year 2000 is contingent upon there being no known new or increased sources of these parameters in the segment being assessed since 2000.

The following table summarizes the values that were used for the assessment of dissolved iron, manganese and sulfate for those waterbodies being proposed for the 303(d) or M&E List:

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese and Sulfate Water Supply Standards

Portion ID	Analyte	List	TVS or 2000	Period of Record for 2000 dataset	Value	Units	Sample size of 2000 dataset
COARFO02a_A	Fe-D	303(d)	TVS		300	ug/L	
COARFO02b_A	Fe-D	303(d)	TVS		300	ug/L	
COGUNF06b_C	Fe-D	303(d)	TVS		300	ug/L	
COGUUG01_A	Fe-D	M&E	TVS		300	ug/L	
COGUUG01_B	Fe-D	M&E	TVS		300	ug/L	
COSJAF09_A	Fe-D	M&E	2000	95-99	3200	ug/L	73
COSJLP05_B	Fe-D	M&E	TVS		300	ug/L	
OARFO04_C	Mn-D	303(d)	2000	95-09	66.67	ug/L	84
COARFO06_B	Mn-D	303(d)	2000	95-09	60	ug/L	175
COARFO06_C	Mn-D	303(d)	2000	95-09	60	ug/L	175
COARLA09a_A	Mn-D	303(d)	2000	95-99	204	ug/L	47
COGULG02_A	Mn-D	303(d)	TVS		50	ug/L	
COGULG12_B	Mn-D	303(d)	2000	95-04	94.35	ug/L	18

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese and Sulfate Water Supply Standards

Portion ID	Analyte	List	TVS or 2000	Period of Record for 2000 dataset	Value	Units	Sample size of 2000 dataset
COGUNF03_B	Mn-D	303(d)	2000	95-99	72	ug/L	59
COGUNF03_C	Mn-D	303(d)	2000	95-99	72	ug/L	59
COGUNF06b_C	Mn-D	303(d)	2000	95-99	87.5	ug/L	36
COGUUG19_B	Mn-D	303(d)	TVS		50	ug/L	
COGUUG29a_F	Mn-D	303(d)	TVS		50	ug/L	
COGUUN03a_A	Mn-D	303(d)	2000	95-99	573.8	ug/L	54
COGUUN03b_A	Mn-D	303(d)	2000	95-99	412.4	ug/L	67
COGUUN03c_A	Mn-D	303(d)	2000	95-99	180	ug/L	87
COGUUN04b_A	Mn-D	303(d)	TVS		50	ug/L	
COGUUN05_C	Mn-D	303(d)	TVS		50	ug/L	
COGUUN05_E	Mn-D	303(d)	TVS		50	ug/L	
CORGRG04b_B	Mn-D	303(d)	TVS		50	ug/L	
CORGRG04b_C	Mn-D	303(d)	TVS		50	ug/L	
CORGRG04b_D	Mn-D	303(d)	TVS		50	ug/L	
COSJAF03a_A	Mn-D	303(d)	site-specific std.		2571/ 2179	ug/L	
COSJAF09_A	Mn-D	303(d)	2000	95-99	507.7	ug/L	60
COARFO04_B	Mn-D	M&E	2000	95-09	66.67	ug/L	84
COARUA04b_A	Mn-D	M&E	TVS		50	ug/L	
COGULG04a_E	Mn-D	M&E	2000	95-99	85.45	ug/L	12
COSJAF04b_A	Mn-D	M&E	2000	95-99	259.5	ug/L	369
COSJLP04c_B	Mn-D	M&E	TVS		50	ug/L	
COSJSJ06a_C	Mn-D	M&E	TVS		50	ug/L	
COSJDO04b_A	Mn-D	M&E	TVS		50	ug/L	
COARFO04_B	SO4	303(d)	TVS		250	mg/L	
COARFO04_C	SO4	303(d)	TVS		250	mg/L	
COGULG02_A	SO4	303(d)	2000	95-99	298	mg/L	94
COGULG12_B	SO4	303(d)	2000	95-04	555	mg/L	18
COGUUN04b_A	SO4	303(d)	2000	95-99	664	mg/L	106
COSJLP08a_A	SO4	303(d)	2000	95-99	3000	mg/L	65

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese and Sulfate Water Supply Standards

Portion ID	Analyte	List	TVS or 2000	Period of Record for 2000 dataset	Value	Units	Sample size of 2000 dataset
COSJLP08a_B	SO4	303(d)	2000	95-99	3000	mg/L	65
COSJLP08a_C	SO4	303(d)	2000	95-99	3000	mg/L	65
COSJLP08a_D	SO4	303(d)	2000	95-99	3000	mg/L	65
COSJLP08a_E	SO4	303(d)	2000	95-99	3000	mg/L	65
COARLA09a_C	SO4	M&E	2000	95-99	1701	mg/L	34
COGULD03a_B	SO4	M&E	2000	95-09	275	mg/L	14
COGUUN04a_B	SO4	M&E	TVS		250	mg/L	
COSJLP05_B	SO4	M&E	2000	95-04	739	mg/L	22

7. Delisting of Segments with Recently Approved TMDLs

The division submitted 3 TMDLs to EPA since the approval of the 2016 303(d) List that have been approved. The commission has removed the following segments from the 303(d) List:

- COARMA18a –Mainstem of Boggs Creek from the source to Pueblo Reservoir (Selenium, Uranium)
- COSPBD01 - Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River (E. coli)
- COSPUS15 - South Platte, Burlington Ditch to Big Dry Creek (E. coli)

8. Segments with TMDLs Currently under EPA Review:

- COARMA04a – Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River (E. coli).

9. Delisting of Segments Where Water Quality is Currently Meeting Standards

As additional water quality data are collected and assessed, new data may show attainment of the standard. The commission removed the following segments and parameters from the 303(d) List due to a recent assessment of water quality data:

Table 2. Water Bodies Removed from 303(d) List

Assessment Unit ID	Parameter	Assessment Unit ID	Parameter
COARFO03b_A	Dissolved copper	COGUSM12b_H	Temperature
COARLA05a_A	Total arsenic	COGUUG02_B	Macroinvertebrates
COARMA02_B	Dissolved manganese	COGUUG08_A	Dissolved cadmium

Table 2. Water Bodies Removed from 303(d) List

Assessment Unit ID	Parameter	Assessment Unit ID	Parameter
COARMA18a_A	Dissolved zinc	COGUUG11_B	Dissolved lead
COARUA04a_A	Dissolved copper	COGUUG11_D	Dissolved cadmium
COARUA21a_B	Macroinvertebrates	COGUUG11_D	Dissolved manganese
COGULD02_D	Temperature	COGUUG12_C	Dissolved copper
COGULD02_E	Temperature	COGUUN04c_A	Total iron
COGULG13_A	D.O.(Temp)	CORGCB09b_B	Macroinvertebrates
COGULG15_B	Dissolved zinc	CORGCB12a_C	Total arsenic
COGULG16_C	Dissolved selenium	CORGCB12a_C	Total iron
COGUNF05b_B	Sulfate	CORGRG04c_A	Dissolved copper
COGUNF09_B	pH	COSJLP03c_A	Total iron
COGUNF09_B	Dissolved zinc	COSJLP11_B	Fish mercury
COGUSM02_B	Dissolved cadmium	COSJPI06c_A	Macroinvertebrates
COGUSM02_B	Dissolved zinc	COSJSJ08_B	Dissolved oxygen
COGUSM10b_B	Temperature	COSPCH04a_C	Dissolved oxygen
COGUSM12b_G	Temperature	COUCEA09a_B	Sediment

The commission removed the following segments and parameters from the M&E List:

Table 3. Water Bodies Removed from M&E List

Assessment Unit ID	Parameter	Assessment Unit ID	Parameter
COARFO01a_B	Total iron	CORGCB02a_C	Dissolved iron
COARLA04a_B	Dissolved manganese	CORGCB02a_C	Dissolved manganese
COARMA04a_A	Nitrite	CORGCB02a_C	Total phosphorus
COARMA06a_A	Dissolved manganese	CORGCB02b_B	Dissolved iron
COARMA06a_A	Sulfate	CORGCB02b_B	Dissolved manganese
COARMA07b_A	Temperature	CORGCB02b_B	Total phosphorus
COARMA09_A	Dissolved manganese	CORGCB02c_A	Dissolved manganese
COARMA11b_A	Total iron	CORGCB09a_B	Dissolved manganese
COARMA11b_A	Dissolved manganese	CORGCB12a_C	Temperature
COARMA18a_A	Dissolved manganese	CORGCB12a_C	Total phosphorus
COARUA24_B	Dissolved manganese	CORGRG04c_A	Dissolved manganese
COARUA38_B	Dissolved iron	CORGRG11_A	Total phosphorus
COARUA38_B	Dissolved manganese	CORGRG19_A	Total phosphorus
COGULD02_B	E. coli	CORGRG20a_B	Total phosphorus
COGULD02_C	E. coli	CORGRG20a_C	Total phosphorus
COGULD02_D	E. coli	CORGRG20b_A	Total phosphorus
COGULD02_E	E. coli	CORGRG37_A	Dissolved manganese
COGULD03a_B	E. coli	CORGRG38_D	Dissolved silver

Table 3. Water Bodies Removed from M&E List

Assessment Unit ID	Parameter	Assessment Unit ID	Parameter
COGULG04a_B	Sulfate	CORGRG38_D	Dissolved iron
COGULG04b_B	Sulfate	COSJLP03c_A	Dissolved copper
COGULG07a_A	Dissolved selenium	COSJLP04c_C	Temperature
COGULG07b_D	Dissolved lead	COSJLP04c_D	Temperature
COGULG08a_A	Temperature	COSJPI05a_A	Temperature
COGULG08b_A	Temperature	COSJPI05a_B	Dissolved copper
COGUSM02_B	Dissolved lead	COSJPI05a_B	pH
COGUSM02_C	Dissolved lead	COSJPI05a_B	Temperature
COGUSM03b_A	Dissolved lead	COSJPI05b_A	Temperature
COGUSM04a_B	Dissolved lead	COSJPI06a_C	Total iron
COGUSM12a_D	Dissolved oxygen	COSJPI06a_C	Sulfate
COGUSM12a_F	Dissolved selenium	COSJPI06a_E	Total iron
COGUSM12b_C	Temperature	COSJPI06a_E	Sulfate
COGUSM12b_D	Temperature	COSJPI06a_G	Total iron
COGUSM12b_F	Temperature	COSJPI06a_G	Sulfate
COGUSM12c_A	Temperature	COSJPI06c_A	E. coli
COGUUG01_B	Total iron	COSJPI06c_A	Total iron
COGUUG04_B	Dissolved lead	COSJPI06c_A	Sediment
COGUUG16a_A	E. coli	COSJPI06c_A	Sulfate
COGUUG23_B	Dissolved iron	COSJPI08_A	Dissolved oxygen
COGUUG26_B	Dissolved copper	COSJPI08_A	Dissolved zinc
COGUUN04c_A	Dissolved lead	COSJSJ05_D	Dissolved lead
COGUUN07_A	Total iron	COSJSJ05_E	Dissolved lead
COGUUN09_C	Dissolved lead	COSJSJ06a_C	Dissolved copper
COGUUN10a_C	Sulfate	COSJSJ06a_C	Dissolved lead
COGUUN11_E	Sulfate	COSJSJ06a_C	Temperature
COGUUN11_H	Dissolved selenium	COSJSJ06a_D	Dissolved lead
COGUUN11_J	Dissolved selenium	COSJSJ06b_B	Temperature
CORGAL02_B	Dissolved iron	COSJSJ06b_C	Temperature
CORGAL02_B	pH	COSJSJ08_B	pH
CORGAL02_C	Dissolved iron	COSJSJ09a_A	Dissolved silver
CORGAL02_C	pH	COSJSJ09a_A	Dissolved lead
CORGAL03b_B	Dissolved selenium	COUCEA09a_A	Sediment
CORGAL03c_A	Ammonia	COUCEA09b_B	Sediment
CORGAL10_A	Total iron	COUCEA09b_C	Sediment
CORGCB02a_B	Dissolved manganese	COLCLC04e	Total iron

10. Below is a table that summarizes segments or portions of segments that were added to, removed or retained on both the 303(d) and M&E Lists, by analyte.

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Silver	Delist from M&E	2	CORGRG38_D; COSJSJ09a_A
	New listing on M&E	3	COGUUG10b_A; COSJAF03a_A; COSJAF03a_B
	Retain on M&E List	10	COARUA05_C; COGUUG31_A; CORGRG33_B; COSJAF13a_B; COSJAF22_B; COSPBO14_B; COSPCP07_B; COSPCP07_C; COSPSV02b_A; COSPSV02b_B
	Retain on 4a List due to approved TMDL	2	CORGCB09a_A; CORGCB09a_B
Dissolved Silver	New listing on 303(d)	1	COGUNF04c_A
	Retain on 303(d) List	2	COGUUN06a_A; COSJLP01_A
Dissolved Aluminum	Retain on 4a List due to approved TMDL	1	COARUA12a_A
Total Aluminum	Retain on 4a List due to approved TMDL	11	COARUA11_A; CORGAL03a_A; CORGAL03b_A; CORGAL03b_B; CORGAL03c_A; COSJAF02_B; COSJAF03a_B; COSJAF03b_A; COSJAF06_B; COSJAF07_A; COSJAF08_A
	New listing on 303(d)	1	COSJAF09_A
	Retain on 303(d) List	2	CORGAL03d_A; COSJAF04a_A
Total Arsenic	Delist from 303(d)	2	COARLA05a_A; CORGCB12a_C
	Delist due to extent of impairment refined	2	CORGCB12a_B; CORGCB12a_E
	New listing on M&E	25	COARUA04b_A; COARUA12a_A; COARUA20b_A; COGULG16_C; COGUSM12b_F; COGUSM12b_H; COGUUG04_B; COGUUG05a_A; COGUUG18b_A; COGUUG30_B; COGUUG30_C; CORGRG05_B; COSJAF10a_A; COSJDO04b_A; COSJDO05a_B; COSJDO05a_C;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	Action	# of Portions	Assessment Unit IDs
Total Arsenic			COSJDO10b_A; COSJLP05_B; COSJLP11_B; COSJPI08_A; COSJPN02a_A; COSJPN05_A; COSJSJ06b_B; COSJSJ08_B; COSJSJ09a_A
	Retain on M&E List	31	COARLA09a_C; COARMA11b_A; COARUA38_B; COGUUG29a_C; COGUUG29a_D; COGUUG29a_E; COLCLC02b_B; COLCLC14c_B; COLCLC14c_C; COLCLC20_B; CORGAL20_A; CORGRG37_A; COSPBE11_B; COSPCP07_B; COSPCP07_C; COSPLA02a_A; COSPLA02b_A; COSPUS03_F; COSPUS12_B; COUCBL12_B; COUCBL12_C; COUCEA09b_B; COUCEA09b_C; COUCNP04a_C; COUCNP04a_D; COUCUC03_A; COUCUC03_B; COUCUC03_C; COUCUC12_D; COUCYA08_C; COUCYA18_B
	New listing on 303(d)	54	COARLA11_A; COARLA15_B; COARMA07b_A; COARMA13a_B; COARMA18a_A; COARMA26_B; COARMA26_C; COARUA02a_A; COARUA05_B; COARUA07_A; COGUNF04b_B; COGUNF04b_C; COGUNF06b_C; COGUSM02_C; COGUSM08_A; COGUSM12a_D; COGUSM12b_G; COGUUG01_B; COGUUG01_C; COGUUG07_A; COGUUG16a_B; COGUUG19_B; COGUUG21_A; COGUUG23_A; COGUUG23_B; COGUUG24_A; COGUUG24_B; COGUUG26_B; COGUUG26_D; COGUUG26_E; COGUUG29b_C; COGUUN04a_B; COGUUN04b_A; COGUUN10a_C; COGUUN11_C; COGUUN11_E; COGUUN11_G; COGUUN11_H; COGUUN11_I; COGUUN11_J; CORGAL02_B; CORGAL02_C; CORGAL14a_B; CORGRG02_A; CORGRG02_B; CORGRG04b_B; CORGRG05_C; CORGRG38_D; CORGRG38_E; COSJLP04c_C; COSJPI05a_A; COSJPI05a_B; COUCEA05a_A; COUCEA05b_A
	Moved from M&E to 303(d)	3	COARLA10_B; COARUA35_A; COGULD05_D

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	Action	# of Portions	Assessment Unit IDs
Total Arsenic	Retain on 303(d) List	130	COARFO01a_B; COARLA01b_A; COARLA01c_A; COARLA05b_A; COARLA05b_B; COARLA09a_A; COARLA09a_B; COARMA03_A; COARMA09_A; COARUA02c_A; COARUA05_C; COARUA15_B; COARUA15_C; COGUNF04a_B; COGUUG09_B; COGUUG09_C; COGUUG09_D; COGUUG11_B; COGUUG11_D; COGUUG12_C; COLCLC01_B; COLCLC04c_A; COLCLC10_A; COLCLC10_B; COLCLC15a_A; COLCLC15c_A; COLCLY03c_C; COLCWH07_B; COLCWH12_A; COLCWH14a_A; COLCWH14a_B; COLCWH20_B; COLCWH20_C; COLCWH21_A; CORGCB02a_B; CORGCB02a_C; CORGCB02b_B; CORGCB02c_A; CORGCB04_A; CORGCB09b_A; CORGCB09b_B; CORGCB12a_D; CORGRG04b_C; CORGRG04b_D; CORGRG04c_A; CORGRG09_B; CORGRG11_A; CORGRG19_A; COSPBE02_A; COSPBE02_B; COSPBE02_C; COSPBO02a_A; COSPBO02a_B; COSPBO02a_C; COSPBO02a_D; COSPBO02a_E; COSPBO02a_F; COSPBO02b_B; COSPBO02b_C; COSPBO03_A; COSPBO03_B; COSPBO04b_B; COSPBO09_A; COSPBO09_B; COSPBO10_A; COSPBO14_B; COSPBT01_A; COSPBT02_A; COSPBT02_B; COSPBT02_C; COSPBT02_D; COSPBT03_A; COSPBT07_A; COSPBT07_B; COSPBT08_A; COSPBT08_B; COSPBT11_A; COSPCP02a_A; COSPCP06_A; COSPCP09_A; COSPCP10a_A; COSPCP10b_A; COSPCP14_A; COSPMS01b_A; COSPRE01_A; COSPSV02b_A; COSPSV02b_B; COSPSV07_B; COSPUS02c_C; COSPUS02c_D; COSPUS03_C; COSPUS03_D; COSPUS10a_C; COSPUS14_B; COSPUS14_C; COSPUS17a_D; COUCBL02c_A; COUCBL04a_B; COUCBL20_B; COUCEA02_A;
Total Arsenic			

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
			COUCEA05c_A; COUCEA06_A; COUCEA06_C; COUCEA06_D; COUCEA06_E; COUCEA06_F; COUCEA06_G; COUCEA06_H; COUCEA09a_A; COUCEA09a_B; COUCEA09c_A; COUCNP01_B; COUCNP04a_F; COUCNP04a_G; COUCNP04a_H; COUCNP04b_B; COUCNP05b_A; COUCNP09_C; COUCNP09_D; COUCUC07a_C; COUCUC07b_C; COUCUC10c_A; COUCUC10c_B; COUCUC10c_C; COUCUC12_B; COUCYA02a_A; COUCYA02b_A; COUCYA03_D; COUCYA03_E; COUCYA15_B
Aquatic Life	Delist due to extent of impairment refined	1	COSJSJ05_D
	New listing on M&E	8	COARLA06a_F; COARMA04b_B; COGULD02_B; COGULD02_C; COGULD02_D; COGULD02_E; COGUUN09_B; COSJLP04c_C
	Added to M&E due to database correction	1	COSJLP04c_D
	Retain on M&E List	25	COARUA05_B; COARUA14c_B; COARUA15_B; COARUA15_C; COLCLY03i_A; COLCWH13b_D; CORGRG07_A; CORGRG07_B; COSJSJ05_E; COSPBO07b_A; COSPBO07b_B; COSPCL01_B; COSPCL02c_B; COSPCL02c_C; COSPCL02c_D; COSPUS01a_D; COSPUS02a_C; COSPUS03_B; COUCBL17_A; COUCBL17_B; COUCEA06_E; COUCEA06_G; COUCUC03_B; COUCUC03_C; COUCUC03_D
	Retain on 4b List due to 4b Plan	1	COSPCL03a_C
Aquatic Life	New listing on 303(d)	4	COGUUG10a_A; COGUUG10b_A; COSJLP07a_C; COSJLP07b_B
	Retain on 303(d) List	26	COGUUG01_B; COGUUG04_B; COGUUG15a_B; COLCLY22a_B; COLCWH07_A; COLCWH07_B; COLCWH13c_A; COLCWH13c_B; COLCWH23_C; CORGCB02a_B; CORGCB02b_B; CORGRG11_A;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
			CORGRG20a_B; CORGRG20a_C; COSPBT02_A; COSPBT02_B; COSPBT02_C; COSPBT02_D; COSPCL14a_B; COSPUS01a_C; COSPUS03_D; COSPUS03_E; COSPUS03_F; COSPUS11a_B; COUCRF03a_C; COGUUN05_E
Aquatic Life (Provisional)	Delist from 303(d)	4	COARUA21a_B; COGUUG02_B; CORGCB09b_B; COSJPI06c_A
	Delist due to new segmentation	2	COSJLP05_C; COSJLP06b_B
	Retain on M&E List	1	COUCEA06_H
	New listing on 303(d)	16	COARLA06a_E; COGULD05_E; COGUSM07_A; COGUSM07_B; COGUSM07_C; COGUUG26_D; CORGAL09_A; CORGAL10_A; CORGRG23a_B; CORGRG23b_A; COSJAF05a_B; COSJAF05a_C; COSJLP05_B; COSJLP08_E; COSJLP09_B; COUCRF03a_E
	Moved from M&E to 303(d)	1	COSJSJ05_D
Aquatic Life (Provisional)	Retain on 303(d) List	51	COARFO03a_B; COARFO06_B; COARFO06_C; COARLA06a_B; COGUSM12a_E; COGUSM12b_D; COGUUG18b_A; COGUUG19_B; COGUUG24_B; COGUUG26_C; COGUUN11_C; COLCWH15_B; COLCWH15_C; COLCWH20_B; COLCWH20_C; CORGRG12_A; COSJLP06a_B; COSJPI06a_E; COSJPI06a_F; COSJPI06d_A; COSPBE02_A; COSPBE02_B; COSPBE02_C; COSPBO02a_D; COSPBO03_B; COSPBO07a_A; COSPBO09_B; COSPCP02a_A; COSPLS02b_C; COSPUS01a_A; COSPUS03_C; COSPUS06a_B; COSPUS10a_B; COSPUS10a_C; COSPUS11b_B; COUCBL01_A; COUCBL02b_A; COUCBL02c_A; COUCBL05_A; COUCEA06_C; COUCEA06_D; COUCEA06_F; COUCEA08_A; COUCEA09a_B; COUCNP04a_D; COUCRF03a_B; COUCRF03d_B; COUCRF07_B; COUCUC10a_C; COUCUC10a_D; COUCYA12_B

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Cadmium	Delist from 303(d)	3	COGUSM02_B; COGUUG08_A; COGUUG11_D
	Delist due to approved TMDL	3	COARUA02b_A; COARUA02c_A; COARUA05_D
	New listing on M&E	4	COARUA07_A; COGUUG07_B; COGUUN05_B; CORGRG06_B
	Retain on M&E List	14	COGUUG29a_C; COGUUG29a_D; COGUUG29a_E; COLCLC04e_A; CORGAL03c_A; CORGAL20_A; CORGCB12a_C; CORGRG05_B; CORGRG07_A; CORGRG07_B; COSPCL03b_A; COSPCL06_C; COSPUS01b_C; COUCBL04a_B
	Retain on 4a List due to approved TMDL	44	COARUA03_A; COARUA04a_A; COARUA04b_A; COARUA08b_A; COARUA11_A; COGUSM03a_A; COGUSM03b_A; COGUSM06a_A; COGUSM06b_A; COGUUG30_B; COGUUG31_A; COGUUN02_A; COGUUN03a_A; COGUUN03b_A; COGUUN03c_A; COGUUN03d_A; COGUUN03e_B; COGUUN03e_C; COGUUN03f_A; CORGCB09a_A; CORGCB09b_A; CORGCB09b_B; CORGRG04a_A; CORGRG04b_B; CORGRG04b_C; CORGRG04b_D; COSJAF02_B; COSJAF03a_B; COSJAF03b_A; COSJAF06_B; COSJAF07_A; COSJAF08_A; COSJDO09_A; COSPBO04a_B; COSPCL13b_A; COSPSV04a_A; COSPSV04a_B; COSPSV04b_B; COSPUS05a_A; COSPUS15_B; COSPUS15_C; COUCBL06a_B; COUCBL07_A; COUCBL12_B
	New listing on 303(d)	7	COGUNF04c_A; COGUUN05_C; COGUUN05_E; COGUUN08_A; CORGAL03a_A; CORGRG04c_A; COSJAF04a_A
	Moved from M&E to 303(d)	1	COARUA05_B
Dissolved Cadmium	Retain on 303(d) List	26	COARUA05_C; COARUA12a_A; COGUUG10a_A; COGUUG10b_A; COGUUG11_B; COGUUG12_C; COGUUG29a_B; COGUUN09_B; COGUUN09_D; COSJAF03c_A; COSPCL02a_A; COSPCL02c_B; COSPCL02c_C; COSPCL02c_D;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
			COSPCL09b_A; COSPCL11_A; COSPCL12a_A; COSPCL12a_B; COSPCL13b_B; COSPCP07_B; COSPCP07_C; COSPUS02b_A; COSPUS02c_A; COSPUS02c_C; COSPUS02c_D; COUCEA05c_A
Total Cadmium	New listing on M&E	1	COARFO01a_B
Chlorophyll *a*	Retain on 303(d) List	2	COSPBE01c_A; COSPCH02_A
Chloride	New listing on 303(d)	1	COGULD02_C
Dissolved Copper	Delist from M&E	4	COGUUG26_B; COSJLP03c_A; COSJPI05a_B; COSJSJ06a_C
	Delist from 303(d)	4	COARFO03b_A; COARUA04a_A; COGUUG12_C; CORGRG04c_A
	Delist due to approved TMDL	1	COSJAF06_B
	New listing on M&E	6	COARMA04b_B; COGUUN05_B; CORGRG07_A; CORGRG07_B; COSJDO05a_C; COSJLP01_A
	M&E listing due to new segmentation	2	COSJLP04c_C; COSJSJ06b_C
	Retain on M&E List	20	COGUUN09_D; COLCLC04e_A; COLCLC13a_B; COLCLY07_A; CORGAL20_A; CORGCB03_B; CORGCB05_A; CORGCB10_B; CORGRG05_B; CORGRG09_B; CORGRG25_A; CORGRG28_B; COUCBL12_B; COUCBL12_C; COUCNP04a_F; COUCNP05b_A; COUCNP06_A; COUCRF02_A; COUCUC08_B; COUCYA18_A
	Added to 4a List due to database correction	1	COSJLP04a_E
Dissolved Copper	Retain on 4a List due to approved TMDL	47	COARUA10_A; COARUA11_A; COGUUN02_A; COGUUN03a_A; COGUUN03b_A; COGUUN03c_A; COGUUN03d_A; COGUUN03e_B; COGUUN03e_C; COGUUN03f_A; CORGAL03a_A; CORGAL03b_A; CORGAL03b_B; CORGAL03c_A; CORGAL03d_A; CORGAL08_A; CORGAL09_A; CORGCB09b_A; CORGCB09b_B; COSJAF02_B; COSJAF03a_B; COSJAF03b_A; COSJAF04a_A; COSJAF07_A;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Copper			COSJAF08_A; COSJAF09_A; COSJLP04c_D; COSJLP04c_E; COSPBO04a_B; COSPCL02a_A; COSPCL02b_B; COSPCL02c_C; COSPCL09a_C; COSPCL09b_A; COSPSV04a_B; COSPSV04b_B; COSPSV04c_A; COSPUS04_C; COSPUS04_E; COSPUS05a_A; COSPUS05b_A; COUCBL06a_B; COUCBL07_A; COUCEA05a_A; COUCEA05b_A; COUCEA05c_A; COUCEA07b_A
	New listing on 303(d)	4	COARUA05_A; COARUA05_B; COGUUN05_C; COSJDO04a_B
	Moved from M&E to 303(d)	4	COGUSM06a_A; COGUSM06b_A; COGUUG31_A; COGUUN08_A
	Retain on 303(d) List	37	COARUA05_C; COARUA30_B; COGULD05_B; COGUUG10a_A; COGUUG10b_A; COGUUG29a_B; COGUUN06a_A; COGUUN07_A; CORGCB03_D; CORGRG04b_B; COSPBE01e_B; COSPBO02a_B; COSPBO02a_C; COSPBO04a_A; COSPBO04b_B; COSPBO14_B; COSPBT01_A; COSPBT02_C; COSPBT03_A; COSPBT07_B; COSPBT16_B; COSPCL02c_B; COSPCL03a_B; COSPCL03b_A; COSPCL05_B; COSPCL06_C; COSPCL09a_B; COSPCL10_A; COSPCL12a_A; COSPCL12a_B; COSPLA02b_A; COSPSV02b_B; COSPSV05_A; COSPSV05_B; COUCBL04a_C; COUCUC02_D; COUCUC10a_D
Dissolved Oxygen (Temperature)	Delist from 303(d)	1	COGULG13_A
	New listing on 303(d)	1	CORGRG38_E
Dissolved Oxygen	Delist from M&E	2	COGUSM12a_D; COSJPI08_A
	Delist from 303(d)	2	COSJSJ08_B; COSPCH04a_C
	New listing on M&E	6	COGUNF04c_A; COGUSM02_E; COGUSM14_B; CORGRG02_B; CORGRG20a_B; CORGRG23b_A
	Retain on M&E List	12	COGUSM07_C; COGUSM10b_B; COLCLC04b_A; CORGCB05_A; COSPBT10_A; COSPCL12a_A; COSPUS03_E; COSPUS03_F;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Oxygen			COSPUS03_H; COSPUS09_B; COUCUC06b_A; COUCYA04_A
	Retain on 4a List due to approved TMDL	6	COGULG09_A; COSPMS04_A; COSPMS04_B; COSPUS15_B; COSPUS15_C; COSPUS15_D
	Added to 303d List due to database correction	1	COSJLP04c_D
	303d listing due to new segmentation	1	COSJLP04c_C
	Retain on 303(d) List	19	COARUA10_A; COARUA35_A; COGUSM02_D; CORGAL25_B; COSPCH02_A; COSPCH06_B; COSPCL17a_A; COSPCP20_B; COSPLS03_B; COSPUS03_B; COSPUS17a_D; COSPUS17a_E; COSPUS23_B; COSPUS23_C; COSPUS23_D; COUCNP07b_A; COUCUC12_B; COARLA15_B; COGUSM20_B
E.coli	Delist from M&E	7	COGULD02_B; COGULD02_C; COGULD02_D; COGULD02_E; COGULD03a_B; COGUUG16a_A; COSJPI06c_A
	Delist due to extent of impairment refined	2	COSJPI06a_C; COSJPI06a_G
	Delist due to new segmentation	1	COSJDO11a_A
	New listing on M&E	4	COARMA04c_A; COARMA04g_A; COARUA15_B; COGUUG26_B
	Retain on M&E List	34	COARLA03a_A; COARLA07_A; COGULD04_B; COGULD05_B; COGULG04a_B; COGULG12_B; COGUSM10b_B; COGUUG16a_B; COGUUG16b_A; COGUUG17a_A; COGUUG17b_A; COLCLC10_A; COLCLC10_B; COLCLC14b_A; COLCLY22c_A; COLCWH16b_B; COSJAF13a_B; COSJDO11b_A; COSJLP08_A; COSJLP08_B; COSJLP08_C; COSJLP08_D; COSJLP08_E; COSJPI06a_E; COSJSJ01b_B; COSJSJ03_A;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
E. coli			COSJSJ10_A; COSPBO08_B; COSPBT05_A; COSPCL17b_A; COSPCP08_A; COSPRE05_A; COUCNP04a_B; COUCYA13b_B
	Delist due to approved TMDL	5	COSPBD01_A; COSPBD01_B; COSPUS15_B; COSPUS15_C; COSPUS15_D
	Retain on 4a List due to approved TMDL	2	COSPBO02b_B; COSPUS14_B
	New listing on 303(d)	4	COARFO02b_A; COARFO06_C; COARMA03_A; COGULG04c_A
	Retain on 303(d) List	34	COARFO01a_B; COARFO02a_A; COARFO04_B; COARFO04_D; COARFO04_G; COARLA01a_A; COARLA09a_C; COARMA04a_A; COGULG02_A; COGULG02_B; COLCLC13b_C; CORGRG28_B; COSJLP07a_C; COSPBO07b_A; COSPBO07b_B; COSPBO10_A; COSPCH03_A; COSPCH03_B; COSPCH04a_B; COSPCL18a_A; COSPCP11_A; COSPCP13b_A; COSPLS02b_B; COSPMS01a_A; COSPMS01b_A; COSPSV03_B; COSPSV03_C; COSPSV03_D; COSPSV03_E; COSPSV06_B; COSPUS16a_A; COSPUS16i_A; COSPUS16i_B; COUCYA08_B;
E. coli (seasonal)	Retain on 303(d) List	10	COSPBE02_C, COSPBO09_A, COSPBO09_B, COSPBT09_A, COSPCL15_A, COSPCP12_A, COSPCP13a_C, COSPUS10a_D, COSPUS16c_A, COARFO06_B
	Retain on M&E List	2	COGUNF04b_C; COLCLC04c_A
	Delist from 303(d)	1	COARFO06_C
Dissolved Iron	Delist from M&E	7	COARUA38_B; COGUUG23_B; CORGAL02_B; CORGAL02_C; CORGCB02a_C; CORGCB02b_B; CORGRG38_D
	New listing on M&E	4	COARFO02a_A; COGUUG01_B; COGUUG01_C; COSJLP05_B

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
	Retain on M&E List	17	COLCLC10_B; CORGAL20_A; CORGRG38_C; COSPBO02a_B; COSPBO14_B; COSPCL06_C; COSPCL12a_B; COSPCL14b_A; COSPCP07_B; COSPCP07_C; COUCBL20_B; COUCNP03_A; COUCNP04a_B; COUCNP04a_F; COUCNP05b_A; COUCUC10c_A; COUCYA18_B
	Retain on 4a List due to approved TMDL	13	COSJAF02_B; COSJAF03a_B; COSJAF03b_A; COSJAF04a_A; COSJAF06_B; COSJAF07_A; COSJAF08_A; COSPCL13b_A; COSPCL13b_B; COSPSV04b_B; COSPUS02c_A; COSPUS02c_C; COSPUS02c_D
	New listing on 303(d)	3	COARFO02b_A; COGUNF06b_C; COSJDO04b_A
	Moved from M&E to 303(d)	2	COGUUG15a_B; CORGRG02_B
	Retain on 303(d) List	9	COARUA05_C; COGUUG29a_B; COSPBO02a_F; COSPCL02c_B; COUCEA05c_A; COUCNP04a_H; COUCUC10c_B; COUCUC10c_C; COUCUC12_D
Total Recoverable Iron	Delist from M&E	10	COARFO01a_B; COARMA11b_A; COGUUG01_B; COGUUN07_A; COLCLC04e_A, CORGAL10_A; COSJPI06a_C; COSJPI06a_E; COSJPI06a_G; COSJPI06c_A
	Delist from 303(d)	3	COGUUN04c_A; CORGCB12a_C; COSJLP03c_A
	Delist due to extent of impairment refined	2	CORGCB12a_B; CORGCB12a_E
	New listing on M&E	10	COARMA04b_B; COGULD03a_B; COGULD05_E; COGUSM12b_H; COGUUN11_H; CORGRG23a_C; COSJLP08_A; COSJLP08_B; COSJLP08_C; COSJLP08_E
	Retain on M&E List	34	COARFO02a_A; COARFO05_A; COARLA09a_C; COARLA12_B; COGULD04_B; COGULG04a_F; COGUNF06a_C; COGUSM07_B; COGUUG15a_B; COLCLC10_B; COLCLC13a_B; COLCLC14b_A; COLCLC15a_A; COLCLC16_A; COLCLY03c_C; COLCLY22c_A;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Total Recoverable Iron			COLCWH07_B; CORGAL02_B; CORGAL02_C; CORGAL12_A; CORGAL20_A; CORGCB03_C; CORGRG03_A; COSJPI08_A; COSPCL06_C; COSPUS01b_B; COSPUS03_E; COSPUS03_F; COSPUS03_G; COSPUS07_B; COSPUS11a_A; COSPUS23_E; COUCNP04a_E; COUCRF03b_B
	Retain on 4a List due to approved TMDL	9	COGUUN03a_A; COGUUN03b_A; COGUUN03c_A; COGUUN03d_A; COGUUN03e_B; COGUUN03e_C; COGUUN03f_A; CORGAL08_A; COSJAF09_A
	New listing on 303(d)	17	COARFO02b_A; COARLA04a_A; COARLA04a_B; COARLA09b_A; COGULG02_A; COGULG02_B; COGULG04a_C; COGULG12_B; COGUNF04b_C; COGUSM12b_G; COGUUG19_B; COGUUG31_A; COGUUN04a_B; COSJSJ06b_B; COSJSJ09a_A; COGUSM12b_F; COGUSM12b_I
	Moved from M&E to 303(d)	3	COGUNF06b_B; COGUNF06b_C; CORGCB02b_B
	Retain on 303(d) List	41	COARLA09a_B; COARLA09b_B; COARMA10_A; COARMA14_A; COGULD02_B; COGULD02_C; COGULD02_D; COGULD02_E; COGULD05_B; COGULG07b_C; COGULG15_B; COGUNF04b_B; COGUUG29a_B; COGUUN12_C; COGUUN12_D; COLCLC04a_B; COLCLC04a_D; COLCLC13b_A; COLCLC13b_B; COLCLC13b_C; COLCLC13b_D; COLCLC14c_C; COLCLY03c_B; COLCWH13c_A; COLCWH13c_B; CORGAL13_A; CORGCB12a_D; CORGCB19_A; CORGRG02_B; COSJLP07a_C; COSJLP07b_B; COSJLP08_D; COSPBD01_B; COSPBO02a_F; COSPCL02c_B; COSPUS03_D; COUCNP04a_H; COUCUC07a_B; COUCYA03_D; COUCYA13d_A; COUCYA13d_B
Total Recoverable Iron	Retain on the 303(d) list	41	
Fish Tissue Mercury	Retain on M&E List	4	COARMA27_A; COSJSJ08_C; COSPBO18_A; COSPUS19_B

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
	Delist due to approved TMDL	1	COSJLP11_B
	Retain on 4a List due to approved TMDL	2	CORGRG37_A; COSJDO04b_B
	New listing on 303(d)	1	COSJLP11_A
	Retain on 303(d) List	14	COARLA15_B; COARMA26_B; COARUA40_A; COLCLC20_B; COSJLP11_C; COSJPN03_A; COSJSJ08_B; COSPBT11_A; COSPCP14_A; COSPUS17a_D; COSPUS17a_E; COUCNP09_B; COUCYA22_B; COUCYA23_A
Dissolved Mercury	Retain on M&E List	2	COSPUS03_F; COUCYA08_C
	Retain on 303(d) List	1	COSPUS03_D
Dissolved Manganese	Delist from M&E	14	COARLA04a_B; COARMA06a_A; COARMA09_A; COARMA11b_A; COARMA18a_A; COARUA24_B; COARUA38_B; CORGCB02a_B; CORGCB02a_C; CORGCB02b_B; CORGCB02c_A; CORGCB09a_B; CORGRG04c_A; CORGRG37_A
	Delist from 303(d)	2	COARMA02_B; COGUUG11_D
	New listing on M&E	5	COARUA04b_A; COGULG04a_E; COSJAF04b_A; COSJDO04b_A; COSJSJ06b_B
Dissolved Manganese	Retain on M&E List	43	COARLA05b_B; COARLA09b_A; COARLA09b_B; COGUSM08_A; COGUUG17a_A; COGUUG17b_A; COGUUG29a_D; COGUUG29a_E; COLCLC02b_B; COLCLY03c_B; COLCLY06_A; COLCWH09b_A; COLCWH13b_B; CORGAL02_B; CORGAL02_C; CORGAL20_A; CORGCB04_A; CORGCB12a_C; CORGRG05_B; CORGRG38_C; COSPBO02a_D; COSPBO14_B; COSPBT07_A; COSPCH01_A; COSPCL03b_A; COSPCL09b_A; COSPCL12a_A; COSPCL12a_B; COSPCL14b_A; COSPCL16a_A; COSPLA02a_A; COSPMS01a_A; COSPSV04a_B; COUCBL12_B; COUCBL12_C; COUCNP04a_B; COUCNP04a_E; COUCNP04b_B; COUCNP05b_A; COUCUC07a_B;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Manganese			COUCYA02a_A; COUCYA03_D; COUCYA04_A
	Retain on 4a List due to approved TMDL	11	COSJLP04a_E; COSJLP04c_D; COSJLP04c_E; COSPCL13b_A; COSPCL13b_B; COSPSV04b_B; COSPUS02c_A; COSPUS02c_C; COSPUS02c_D; COSPUS05a_A; COUCBL07_A
	New listing on 303(d)	25	COARFO06_B; COARFO06_C; COARLA01a_A; COARLA09a_A; COGULG02_A; COGULG02_B; COGULG12_B; COGUNF03_B; COGUNF03_C; COGUNF06b_C; COGUUG02_D; COGUUG12_C; COGUUG19_B; COGUUG31_A; COGUUN03a_A; COGUUN03b_A; COGUUN03c_A; COGUUN04b_A; COGUUN05_C; COGUUN05_E; CORGRG04b_C; CORGRG04b_D; COSJAF03a_A; COSJAF03a_B; COSJAF04a_A;
	Moved from M&E to 303(d)	8	COARLA02a_A; COARLA09a_B; COARUA05_B; COGUNF06b_B; COGUSM06a_A; COGUUG15a_B; CORGRG02_B; CORGRG38_D
	Retain on 303(d) List	32	COARFO01a_B; COARLA01b_A; COARLA01c_A; COARMA06b_A; COARUA05_C; COGULG04a_D; COGUUG29a_B; COGUUG29a_C; COGUUG32_A; COGUUN02_A; COLCLC14c_B; COLCLC14c_C; COSJAF05a_B; COSJAF05a_C; COSPCL02c_B; COSPCP07_B; COSPCP07_C; COSPCP13a_B; COSPLS01_A; COSPMS01b_A; COSPSV05_B; COSPSV06_A; COSPSV06_B; COSPUS03_B; COSPUS05b_B; COUCBL02a_A; COUCBL02a_B; COUCBL06a_B; COUCBL06a_C; COUCNP04a_H; COUCUC07b_C; COUCUC12_D
	Delist from M&E	1	CORGAL03c_A
	Retain on M&E List	2	COSPCL14b_A; COSPUS23_F

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Ammonia	Retain on 4a List due to approved TMDL	6	COSPBO09_A; COSPBO09_B; COSPBO10_A; COSPSV03_B; COSPSV03_E; COUCUC06c_A
	Retain on 4b List due to 4b Plan	3	COSPUS15_B; COSPUS15_C; COSPUS15_D
	New listing on 303(d)	1	COARMA04c_A
	Retain on 303(d) List	9	CORGCB19_A; COSPCL15_A; COSPMS04_B; COSPMS07_B; COSPMS07_C; COSPUS05c_B; COSPUS17a_B; COSPUS17a_F; COSPUS17a_G
Dissolved Nickel	New listing on M&E	1	CORGAL07_A
	Retain on 303(d) List	2	COSPCL02c_B; COSPCL12a_B
Nitrite	Delist from M&E	1	COARMA04a_A
	Retain on M&E List	1	COLCLC02b_B
	New listing on M&E	1	COGULD03a_B
	Retain on 4a List due to approved TMDL	1	COSPUS14_B
	Retain on 4b List due to 4b Plan	4	COSPMS01a_A; COSPUS15_B; COSPUS15_C; COSPUS15_D
Dissolved Lead	Delist from M&E	13	COGULG07b_D; COGUSM02_B; COGUSM02_C; COGUSM03b_A; COGUSM04a_B; COGUUG04_B; COGUUN04c_A; COGUUN09_C; COSJSJ05_D; COSJSJ05_E; COSJSJ06a_C; COSJSJ06a_D; COSJSJ09a_A
	Delist from 303(d)	1	COGUUG11_B
	Delist due to approved TMDL	2	COARUA05_D; COARUA08b_A
	New listing on M&E	8	COARUA05_B; COGUSM06b_A; COGUUN05_B; COGUUN05_D; CORGRG04b_B; CORGRG04b_C; CORGRG04b_D; CORGRG06_B
	Added to M&E due to database correction	1	COSJLP04c_D

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Lead	M&E listing due to new segmentation	2	COSJLP04c_C; COSJSJ06b_C
	Retain on M&E List	10	COARUA05_C; COGUNF04b_B; COGUUN02_A; COGUUN19_A; COLCLC04b_A; COLCLC13a_B; CORGRG05_B; CORGRG07_A; CORGRG07_B; COSJAF03c_A
	Retain on 4a List due to approved TMDL	20	COARUA01b_A; COARUA12a_A; CORGCB09a_A; CORGCB09a_B; COSJAF02_B; COSJAF03a_B; COSJAF03b_A; COSJAF06_B; COSJAF07_A; COSJAF08_A; COSPCL02a_A; COSPCL02b_B; COSPCL02c_C; COSPCL03b_A; COSPCL09b_A; COSPCL11_A; COSPSV04b_B; COSPUS02b_A; COUCBL06a_B; COUCBL07_A
	New listing on 303(d)	6	COGUUG07_B; COGUUN05_C; COGUUN05_E; COGUUN07_A; COGUUN09_B; CORGRG04c_A
	Retain on 303(d) List	10	COGUUG10a_A; COGUUG10b_A; CORGRG04a_A; COSPBO02a_C; COSPBT16_B; COSPCL09a_B; COSPCL12a_B; COSPCP07_B; COSPCP07_C; COSPRE01_A
Total Lead	New listing on M&E	2	COARFO01a_B; COARFO02a_A
pH	Delist from M&E	4	CORGAL02_B; CORGAL02_C; COSJPI05a_B; COSJSJ08_B
	Delist from 303(d)	1	COGUNF09_B
	New listing on M&E	2	COGUUG31_A; CORGAL07_A
	Retain on M&E List	14	COGULG04a_E; COGUSM07_C; COGUUG10b_A; CORGAL13_A; CORGAL25_B; CORGAL30_A; CORGRG05_B; CORGRG38_B; COSPCL12a_B; COSPCP09_A; COSPCP12_A; COSPLA02a_A; COSPUS01a_B; COSPUS11a_A
	Retain on 4a List due to approved TMDL	18	COARUA11_A; COARUA12a_A; CORGAL03a_A; CORGAL03b_A; CORGAL03b_B; CORGAL03c_A; CORGAL03d_A; CORGAL05_A; COSJAF04a_A; COSJAF09_A; COSPBO04a_B; COSPMS04_A; COSPMS04_B; COSPSV04a_A; COSPSV04a_B; COSPSV04b_B;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
pH			COUCBL06a_B; COUCBL07_A
	New listing on 303(d)	2	COGUUN02_A; COGUUN03a_A
	Moved from M&E to 303(d)	3	COGULG15_B; COGUUN07_A; COSJPI08_A
	Retain on 303(d) List	23	COARUA10_A; COGUSM02_D; COGUUG29a_B; COLCWH11_B; CORGAL20_A; COSPBO10_A; COSPBT02_B; COSPCL09b_A; COSPLS03_D; COSPMS07_B; COSPMS07_C; COSPSV05_B; COSPUS03_B; COSPUS04_C; COSPUS04_E; COSPUS05b_B; COSPUS17a_B; COSPUS17a_C; COSPUS17a_E; COSPUS17a_F; COSPUS23_F; COSPUS23_G; COUCNP09_D
Dissolved Selenium	Delist from M&E	5	COGULG07a_A; COGUSM12a_F; COGUUN11_H; COGUUN11_J; CORGAL03b_B
	Delist from 303(d)	1	COGULG16_C
	Delist due to new segmentation	1	COLCLC19_C
	New listing on M&E	3	COARLA09a_C; COARUA20b_A; COGUUN04a_B
	Moved from 303(d) to M&E	1	COARFO04_B
	Retain on M&E List	18	COARFO04_G; COGULD03a_B; COGULG16_B; COGULG16_D; COGUNF04b_B; COGUNF06a_B;COGUUN10a_B; COLCLC03_A; COLCLC04e_A; COLCLC13a_B; COLCLY03c_B; COLCLY03e_A; COSPLS03_C; COSPRE05_A; COSPUS01b_C; COSPUS07_B; COUCEA10a_B; COUCYA13j_A
	Delist due to approved TMDL	1	COARMA18a_A
	Retain on 4a List due to approved TMDL	31	COGULG01_C; COGULG02_A; COGULG02_B; COGULG04a_B; COGULG04a_B; COGULG04a_C; COGULG04a_C; COGULG04a_D; COGULG04a_D; COGULG04a_E;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Selenium			COGULG04a_E; COGULG04a_F; COGULG04a_I; COGULG04a_I; COGULG04b_B; COGULG04b_B; COGULG04c_A; COGULG04c_A; COGUNF03_C; COGUNF05a_C; COGUNF05b_B; COGUNF06b_B; COGUNF06b_D; COGUNF06b_E; COGUNF06b_F; COGUUN04b_A; COGUUN04c_A; COGUUN12_C; COGUUN12_D; COGUUN12_E; COGUUN12_F
	New listing on 303(d)	5	COARFO04_E; COARMA02_A; COARMA02_B; COARMA09_A; COGUNF06b_A
Dissolved Selenium	Retain on 303(d) List	51	COARLA01b_A; COARLA01c_A; COARLA04a_A; COARLA04a_B; COARLA09a_A; COARLA09a_B; COARLA09b_A; COARLA09b_B; COARLA10_B; COARLA10_C; COARLA11_A; COARLA12_A; COARLA12_B; COARMA03_A; COARMA10_A; COARMA12_A; COGULG07b_C; COGUUG29a_B; COGUUN20_A; COLCLC02b_B; COLCLC04a_A; COLCLC04a_B; COLCLC04a_C; COLCLC04a_D; COLCLC13b_A; COLCLC13b_B; COLCLC13b_C; COLCLC13b_D; COLCLC14c_B; COLCLC19_B; COLCLY03c_C; COLCWH09d_A; COSJLP08_B; COSPBO07b_B; COSPBO08_B; COSPBT04b_A; COSPBT05_A; COSPBT09_A; COSPCH04a_B; COSPCH04b_B; COSPCL12a_B; COSPCP13b_A; COSPLS01_A; COSPLS02b_B; COSPLS03_B; COSPSV06_B; COSPUS16a_A; COSPUS16c_A; COUCUC07a_B; COUCYA13e_B; COUCYA13h_A
	Retain on 303(d) List	51	
Sediment	Delist from M&E	4	COSJPI06c_A; COUCEA09a_A; COUCEA09b_B; COUCEA09b_C
	Delist from 303(d)	1	COUCEA09a_B
	Delist due to extent of impairment refined	3	COSJPI06a_C; COSJPI06a_G; COUCEA06_H

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Sediment	Delist due to approved TMDL	1	COUCBL18_B
	Retain on M&E List	19	COARLA07_A; COGULG02_A; COGULG02_B; COGULG11b_B; COGUUN04a_B; COGUUN04a_C; COGUUN04b_A; COGUUN04c_A; COGUUN15b_A; COLCLC01_A; COLCLC01_B; COLCLC02a_A; COLCLC02b_A; COLCLC02b_B; COLCLY16_A; CORGRG13_A; COSJPI06a_E; COUCYA13b_A; COUCYA13b_B
	Retain on 4a List due to approved TMDL	6	COGUSM03b_A; COSJLP04a_D; COSPCP07_C; COSPUS01a_A; COSPUS01a_C; COSPUS01a_E
	New listing on 303(d)	1	CORGRG09_C
	Retain on 303(d) List	13	COLCLC13b_B; COLCWH13b_A; COLCWH13b_B; COLCWH13b_C; COLCWH13b_D; COLCWH22_B; COLCWH23_B; CORGCB12a_B; COSPCL14b_A; COSPCL15_A; COUCEA06_G; COUCNP04a_I; COUCYA03_B
Sulfate	Delist from M&E	10	COARMA06a_A; COARMA06b_A; COGULG04a_B; COGULG04b_B; COGUUN10a_C; COGUUN11_E; COSJPI06a_C; COSJPI06a_E; COSJPI06a_G; COSJPI06c_A
	Delist from 303(d)	1	COGUNF05b_B
	New listing on M&E	5	COARFO04_E; COGULD03a_B; COGULG12_B; COGUUN04a_B; COSJLP05_B
	Retain on M&E List	17	COARLA09a_B; COARLA09b_A; COARLA09b_B; COGULG04a_F; COLCLC02b_B; COLCLC04a_A; COLCLC04a_B; COLCLC04a_C; COLCLC04a_D; COLCLC10_B; COLCLY03e_A; COLCLY06_A; COLCWH09b_A; COLCWH13b_C; COSPCL06_C; COSPCL12a_B; COSPLS01_A
	New listing on 303(d)	8	COARLA01a_A; COGULG02_A; COGULG02_B; COGULG07b_C; COSJLP08_A; COSJLP08_B; COSJLP08_C; COSJLP08_E

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
	Moved from M&E to 303(d)	4	COARLA02a_A; COARMA18a_A; COGULG04a_C; COGUNF06b_B
	Retain on 303(d) List	9	COARLA04a_A; COARLA04a_B; COGULG04a_D; COGUNF06b_C; COLCLY03c_B; COLCLY03c_C; COSPBT08_B; COSPCP13a_B; COUCUC07a_B
Temperature	Delist from M&E	16	COARMA07b_A; COGULG08a_A; COGULG08b_A; COGUSM12b_C; COGUSM12b_D; COGUSM12b_F; COGUSM12c_A; CORGCB12a_C; COSJLP04c_C; COSJLP04c_D; COSJPI05a_A; COSJPI05a_B; COSJPI05b_A; COSJSJ06a_C; COSJSJ06b_B; COSJSJ06b_C
	Delist from 303(d)	5	COGULD02_D; COGULD02_E; COGUSM10b_B; COGUSM12b_G COGUSM12b_H
	Delist due to extent of impairment refined	2	CORGCB12a_B; CORGCB12a_E
	Moved from 303(d) to M&E	2	COGULD02_B; COGULD02_C;
	New listing on M&E	15	COARFO02a_A; COARLA01a_A; COARLA01c_A; COARLA09b_A; COARLA09b_B; COARUA14c_B; COARUA15_B; COGUNF04b_C; COGUSM03b_A; COGUSM14_B; COGUUG02_D; COGUUG09_C; COGUUG23_A; COGUUG23_B; COGUUN11_G
	Retain on M&E List	27	COARLA05b_A; COARLA05b_B; COARLA06a_C; COARLA06a_D; COARLA06b_A; COARUA04a_A; COLCLC04a_A; COLCLC04a_B; COLCLC04a_C; COLCLC04a_D; CORGAL11b_A; CORGCB12a_D; COSJSJ10_A; COSPBE06a_B; COSPBE06b_A; COSPBT08_A; COSPBT08_B; COSPCL14b_A; COSPCL17b_A; COSPUS02a_B; COSPUS03_B; COSPUS10a_D; COSPUS15_B; COSPUS15_C; COSPUS15_D; COSPUS16g_A; COUCYA13e_A
	New listing on 303(d)	8	COARFO02b_A; COARLA01b_A; COARMA26_C; COGUNF03_B; COGUNF03_C; COGUUG18b_A;

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Temperature			COGUUN03e_B; COGUUN03e_C
	Retain on 303(d) List	45	COARFO06_B; COARFO06_C; COARLA03a_A; COARMA02_A; COARMA02_B; COGUUG08_A; COLCLC01_A; COLCLC01_B; COLCWH07_A; COLCWH07_B; COLCWH13c_B; COLCWH15_C; COLCWH23_A; COLCWH23_B; COLCWH23_C; CORGRG04b_B; CORGRG04b_C; CORGRG04b_D; COSPBE01a_B; COSPBE01b_A; COSPBE01e_A; COSPBE01e_B; COSPBE03_B; COSPBT02_D; COSPCL11_A; COSPCL13b_B; COSPCL14a_A; COSPCL14a_B; COSPCL15_A; COSPCP10a_A; COSPSV02b_A; COSPSV02b_B; COSPUS03_H; COUCBL17_B; COUCRF03c_A; COUCUC02_B; COUCUC02_C; COUCUC03_C; COUCUC03_D; COUCUC03_E; COUCUC07a_C; COUCUC07b_B; COUCUC07b_C; COUCUC10a_B; COUCYA02b_A
Total Phosphorus	Delist from M&E	8	CORGCB02a_C; CORGCB02b_B; CORGCB12a_C; CORGRG11_A; CORGRG19_A; CORGRG20a_B; CORGRG20a_C; CORGRG20b_A
	Delist due to extent of impairment refined	2	CORGCB12a_B; CORGCB12a_E
	New listing on M&E	1	COARUA14d_B
	Retain on M&E List	7	COLCLC04a_A; COLCLC04a_B; COLCLC04a_C; COLCLC04a_D; CORGCB02a_B; CORGCB02c_A; CORGCB12a_D
	Moved from M&E to 303(d)	1	COARUA35_A
	Retain on 303(d) List	1	COSPBE01c_A
Total Uranium	New listing on M&E	1	COARLA09a_B
	Retain on M&E List	1	COARFO01a_B
	Delist due to approved TMDL	1	COARMA18a_A

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
	Retain on 303(d) List	2	COARLA01c_A; COSPLS01_A
Zinc (sculpin)	Retain on 4a List due to approved TMDL	1	COGUUN06a_A
Dissolved Zinc	Delist from M&E	1	COSJPI08_A
	Delist from 303(d)	4	COARMA18a_A; COGULG15_B; COGUNF09_B; COGUSM02_B
	Delist due to approved TMDL	1	COARUA02c_A
	New listing on M&E	3	CORGRG06_B; COSJAF03a_A; COSJAF03a_B
	Retain on M&E List	15	COGUNF07_B; COGUUG29a_C; COGUUG29a_D; COGUUG29a_E; COGUUN19_A; COLCLY07_A; CORGAL20_A; CORGCB12a_C; CORGRG05_B; CORGRG07_A; CORGRG07_B; COSJAF22_B; COSPCL06_C; COUCBL04a_C; COUCYA08_C
	Retain on 4a List due to approved TMDL	58	COARUA01b_A; COARUA02a_A; COARUA02b_A; COARUA03_A; COARUA04a_A; COARUA04b_A; COARUA07_A; COARUA08b_A; COARUA11_A; COARUA12a_A; COGUSM03a_A; COGUSM03b_A; COGUSM06a_A; COGUSM06b_A; COGUUG30_B; COGUUG31_A; COGUUN02_A; CORGAL03a_A; CORGAL03b_A; CORGAL03b_B; CORGAL03c_A; CORGAL03d_A; CORGCB09b_A; CORGCB09b_B; CORGRG04a_A; CORGRG04b_B; CORGRG04b_C; CORGRG04b_D; COSJAF04a_A; COSJAF04b_A; COSJAF05a_B; COSJAF09_A; COSJDO09_A; COSPBO04a_B; COSPCL02a_A; COSPCL02c_C; COSPCL03a_A; COSPCL03a_B; COSPCL03a_C; COSPCL03b_A; COSPCL09b_A; COSPCL11_A; COSPCL13b_A; COSPCL13b_B; COSPSV04a_A; COSPSV04a_B; COSPSV04b_B; COSPUS02b_A; COSPUS02c_C; COSPUS02c_D; COSPUS05a_A; COSPUS05b_A; COSPUS05b_B; COUCBL07_A; COUCEA05a_A; COUCEA05b_A; COUCEA05c_A; COUCEA07b_A

Table 4. Summary of Water Bodies Added, Removed and Retained on the 303(d) and M&E Lists by Analyte

Parameter	**Action**	**# of Portions**	**Assessment Unit IDs**
Dissolved Zinc	New listing on 303(d)	10	COARFO01b_A; COARUA05_A; COGUNF04c_A; COGUUN03a_A; COGUUN05_B; COGUUN05_C; COGUUN05_E; COGUUN07_A; COGUUN09_C; CORGRG04c_A
	Moved from M&E to 303(d)	1	COGUUN08_A
	Retain on 303(d) List	27	COARUA05_B; COARUA05_C; COGUUG07_B; COGUUG08_A; COGUUG10a_A; COGUUG10b_A; COGUUG11_B; COGUUG11_D; COGUUG12_C; COGUUG29a_B; COGUUN09_B; COGUUN09_D; CORGRG09_B; COSJAF03c_A; COSPCL02b_B; COSPCL02b_C; COSPCL02c_B; COSPCL12a_A; COSPCL12a_B; COSPUS02c_A; COUCBL02a_B; COUCBL04a_B; COUCBL06a_B; COUCBL06a_C; COUCBL12_B; COUCBL12_C; COUCYA03_E

11. Site-specific decisions made by the commission are discussed below.

a) COUCEA09a_B – Sediment

Eagle River Water and Sanitation District proposed that a portion of the Eagle River from Berry Creek to Squaw Creek be removed from the 303(d) List for a few reasons. In this portion, the gradient of the Eagle River flattens and as flow velocities decrease the river channel and floodplain broaden. Under the Sediment Policy 98-1, Sediment Region 3 for mid-elevation mountain streams include slopes that range from 0.4% to 10%, with percent fines that range from 9% to 41%. The questionable area for this portion has a slope of 0.12 %, which is below the range of slopes used to establish the expected condition of Sediment Region 3. The portion of Segment 9a above the deposition zone (Segment 9a from Gore Creek to Berry Creek), and Segment 9b downstream of the deposition zone (Squaw Creek to Rube Creek), have stream slopes within the slope ranges for Sediment Region 3 and attain the TIVSED and percent fines for Sediment Region 3. Therefore the increased sediment is limited to the low gradient depositional zone. The division recommended not to use the thresholds in Sediment Region 3 for the lower slope depositional zone and therefore based on data upstream and downstream that show attainment, the commission decided to remove segment COUCEA09a_B from the 303(d) List as impaired for sediment.

b) COGULD02 – Temperature

The division proposed that the Dolores River from Big Gypsum Creek to the San Miguel River (COGULD02) be placed on the 303(d) List due to exceedances in the aquatic life use based temperature standards. The Dolores Water Conservancy District (DWCD) raised an issue regarding whether the cause of the temperature impairment had been considered and whether the waterbody should be placed into Category 4c instead of the 303(d) List. When reviewing the topic of Category 4c in the 2018 Listing Methodology, some inconsistent language was noticed between Regulation #93 and the 2018 Listing Methodology. The introduction in Regulation #93 states that "Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List." The 2018 303(d) Listing Methodology states that "Before placing impaired waterbody segments into Category 4c, thorough monitoring and assessment needs to be performed on the segment to confirm that no pollutants are contributing to the waterbody's failure to meet water quality standards. If adequate monitoring and assessment is not performed to rule out pollutant(s) as a cause, then the impaired waterbody should be placed on the 303(d) List (Category 5)".

The most recent policy decisions that relate to impairment decisions for temperature are reflected in the Listing Methodology and not Regulation #93. However, the division recognizes that where there is a conflict between the regulation and the listing methodology, the language in the regulation would prevail and must be followed. Therefore the commission placed segment COGULD02 on the M&E List for temperature until 2020 when the language in the regulation can be changed to better reflect recent policy decisions. The inconsistency was not noticed until after the submittal of the responsive prehearing statement by DWCD and therefore the division could not propose a change to the regulation as it would be outside of the scope of this rulemaking hearing.

c) COSJAF09 – Fe, Mn, SO4 Water Supply Standards

The commission adopted an alternative methodology for assessing ambient based water quality standards in the 2016 Listing Methodology (Appendix B). This assessment methodology incorporates confidence intervals into the assessment of ambient standards. The confidence interval is a more statistically sound approach in determining impairments in situations when an impairment is slightly above the standard because it takes into account the "normal variability in the available concentration of the data" (Appendix B, 2018 LM).

For segment COSJAF09 (Mineral Creek), the 85th percentiles of dissolved manganese and dissolved iron were exceeding the standard, that was based on the ambient conditions of the stream from the year 2000. The Animas River Stakeholder Group proposed to re-assess both dissolved manganese and iron using the ambient-based approach to determine the level of confidence that the parameters were exceeding the standards. Based on the information provided by the Animas River Stakeholders Group, using the confidence interval approach, both dissolved manganese and iron are attaining standards. The commission concluded that dissolved iron, dissolved manganese and sulfate water supply standards based on 2000 conditions are in essence, ambient standards and should be assessed as such. The commission did not include Mineral Creek on the 303(d) list for manganese and iron.

d) Multiple segments in Fountain Creek - Storm Events

The second paragraph in § III.B.7 of the 2018 Listing Methodology states that data collected during or immediately after temporary events influencing the waterbody that are not representative of normal conditions shall typically be discounted in making the listing decision. For example, scouring storm flows which lead to diminished aquatic life use or accidental spills of toxic chemicals would not be a basis upon which to list the affected segment. However, such events may be considered as a basis for listing in instances where nonattainment of standards arises from a reversible source of pollutants.

The commission maintains that storms are a normal part of the hydrologic cycle. If samples collected during a storm event are obtained using established procedures and analyzed using standard methods, those results are representative of conditions within the stream at that time.

The commission acknowledges that changes in the volume of stream flow, such as those caused by precipitation events, can affect water quality indicators. However, assessment procedures are in place to deal with the variation, including those values that might be perceived as outliers within the data set. These procedures include bias removal, the averaging of daily and weekly samples, the use of percentiles to determine ambient concentrations for total and dissolved constituents, and the calculation of the geometric mean for the observed E. coli concentrations. In the latter case, the geometric mean is a statistical description of the central tendency of a set of results and serves to mute the effect of outliers.

The commission concluded that not all high flow events can be automatically considered to be either a substantial storm or scouring event. If such instances are known to exist, then the associated data would be removed. However, a blanket removal of such data should not be expected.

e) All tributary segments

The commission requested that in the next listing methodology work group, that the division further explore the listing of “all tributary” segments, particularly for E.coli, and also consider what happens to “all tributary” segments that are on the 303(d) list when they are resegmented.

PARTIES TO THE RULEMAKING

1. Colorado Parks and Wildlife
2. Colorado Stone, Sand & Gravel Association
3. Eagle River Water and Sanitation District
4. U.S. Environmental Protection Agency
5. Dolores Water Conservancy District
6. Montezuma Valley Irrigation Company
7. Southwestern Water Conservation District
8. Arkansas Fountain Coalition for Urban River Evaluation
9. City of Black Hawk and Black Hawk Central City Sanitation District
10. Animas River Stakeholders Group
11. Cripple Creek and Victor Gold Mining Company
12. City of Fort Collins
13. Public Service Company of Colorado
14. Tri-Lakes Wastewater Treatment Facility
15. Tri-State Generation and Transmission Association, Inc.
16. Colorado Springs Utilities
17. Ouray Silver Mines, Inc.

93.18 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 2019 RULEMAKING, EFFECTIVE DATE OF MARCH 1, 2020.

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; 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. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the regulation was promulgated in 2006. This list was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

This regulation also updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the regulation was promulgated in 2012.

2. List Development

a. Listing Methodology

The "Section 303(d) Listing Methodology - 2020 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission (commission) administrative action hearing in March 2019.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2020 Section 303(d) List and the 2020 M&E List. However, this methodology was not adopted by the commission as a rule. The commission, therefore, has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

The commission has considered all existing and readily available information in developing the 2020 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(b)(5)(i), (ii) and (iv) and that credible data and information presented in a readily usable format and submitted in reports provided to the Water Quality Control Division (division) as referenced in 40 CFR §130.7(ab)(5)(iii). In addition, the commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2020 listing decisions. Such information will be considered in the next listing cycle.

c. Data Quality

In the division's “Quality Management Plan 2016 for Surface Water Monitoring and Assessment", the division states that "It is the expressed goal of the division to use only those analytical data that are both reliable and have a defined level of quality."

3. Prioritization

The objective of prioritization is to identify those segments where the division and the public should concentrate their resources. Priorities of High, Medium, and Low were established according to section IV. of the 2020 Section 303(d) Listing Methodology.

The division remains committed to establishing a plan for monitoring and evaluating water bodies on the M&E List prior to the list submission date for the subsequent listing cycle. Further, the commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Regulation #93 Introductory Language Regarding Pollution and Pollutants

During the 2018 303(d) listing cycle, the division identified inconsistent language between Regulation #93 and the 2018 Listing Methodology. The introduction in Regulation #93.2(2) states:

> *“Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List.”*

The 2018 303(d) Listing Methodology section II.f stated:

> *“Before placing impaired waterbody segments into Category 4c, thorough monitoring and assessment needs to be performed on the segment to confirm that no pollutants are contributing to the waterbody’s failure to meet water quality standards. If adequate monitoring and assessment is not performed to rule out pollutant(s) as a cause, then the impaired waterbody should be placed on the 303(d) List (Category 5)”.*

In the 2018 rulemaking hearing for Regulation #93, the commission’s approach to a temperature listing was to defer to the regulation language even though it was in conflict with the language in the listing methodology. Based on this approach, the commission moved the existing Lower Dolores segment 02 temperature 303(d) listing to the M&E List because the cause of the impairment had not been determined. The commission then directed the division to propose changes to the regulatory language during the 2020 Regulation #93 rulemaking hearing process to better reflect the current commission policy decision and provide consistency between the regulatory language and the 303(d) Listing Methodology.

In 2018, the EPA partially approved the 2018 303(d) List. The EPA cited the change from the 303(d) List to the M&E List for segment COGULD02 as a reason for this partial approval, instead of full approval. The 2020 Listing Methodology workgroup considered this topic. The division proposed to remove language in Regulation #93.2(2):

> *“Colorado’s Monitoring and Evaluation List identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more factors, such as the representative nature of the data. ~~Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List.~~ This Monitoring and Evaluation list is a state-only document that is not subject to EPA approval. These segments are included in Section 93.3 with parameters included in the Colorado’s Monitoring and Evaluation column.”*

When the removal of this language was discussed in the 2020 Listing Methodology workgroup, there was no opposition to this proposal. The division proposed this change to Regulation #93 during the 2020 Rulemaking Hearing process and the commission adopted this language modification to align Regulation #93 with the most recent policy decisions, as reflected in the Listing Methodology.

5. Temperature Assessments

The 2020 303(d) Listing Methodology requires that the party proposing a temperature listing is responsible for investigating the temperature excursions defined in Regulation #31, Table 1, Footnote 5c. This footnote includes three allowable excursions to exceedances of the temperature standard. These include an air temperature excursion, a low flow excursion, and a winter shoulder season excursion. These excursions require a significant investment in resources to assess. Due to resource limitations, the division deprioritized temperature assessments and no excursions were investigated. Therefore, the commission carried existing temperature 303(d) and M&E listings forward to the 2020 303(d) List. Segment COGULD02 is an exception. This segment was reassessed to address EPAs concerns cited in their partial approval of the 2018 303(d) List.

6. Assessment Values Used for Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, dissolved manganese and sulfate, the less restrictive of the following two options apply as the numeric standard: existing quality as of January 1, 2000, or the table value criteria in Regulation #31, Tables II and III. For dissolved iron, the table value standard (TVS) is 300 ug/l. For dissolved manganese, the TVS is 50 ug/l. For sulfate, TVS is 250 mg/l.

For the 2016 303(d) Listing Methodology, the commission included additional language regarding the determination of existing quality from the year 2000 (EQ 2000). This includes a minimum data requirement and the ability to use data collected after the year 2000 when characterizing existing quality from 2000. The utilization of data collected past the year 2000 is contingent upon there being no known new or increased sources of these parameters in the segment being assessed since 2000.

Table 1 summarizes the secondary water supply assessment values used for dissolved iron, manganese, and sulfate for 303(d) or M&E Listing actions:

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COLCLC02b_B	Mn-D	M&E	Retain	2000	95-99	34	87.16	ug/L
COLCLC02b_B	SO4	M&E	Retain	2000	95-99	82	1109.5	mg/L
COLCLC04a_A	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC04a_B	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L
COLCLC04a_C	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC04a_D	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC10_B	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COLCLC10_B	SO4	Attaining	M&E Delist	2000	95-04	25	590	mg/L

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COLCLC14c_B	Mn-D	303(d)	Retain	2000	95-99	59	52.6	ug/L
COLCLC14c_C	Mn-D	303(d)	Retain	2000	95-99	59	52.6	ug/L
COLCLY03c_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCLY03c_B	SO4	303(d)	Retain	2000	95-99	13	406	mg/L
COLCLY03c_C	SO4	303(d)	Retain	2000	95-99	13	406	mg/L
COLCLY03e_A	SO4	M&E	Retain	2000	95-99	17	720	mg/L
COLCLY06_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCLY06_A	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCWH09b_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCWH09b_A	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCWH13b_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCWH13b_C	SO4	M&E	Retain	2000	95-99	18	416.8	mg/L
COLCWH20_B	SO4	303(d)	List	2000	N/A	N/A	N/A	mg/L
COSPBO02a_B	Fe-D	Attaining	M&E Delist	2000	95-09	20	341.5	ug/L
COSPBO02a_D	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPBO02a_F	Fe-D	303(d)	Retain	2000	95-09	20	341.5	ug/L
COSPBO02b_E	SO4	M&E	List	TVS	N/A	N/A	250	mg/L
COSPBO02b_F	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPBO07b_B	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBO14_B	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPBO14_B	Mn-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	50	ug/L
COSPBO14_D	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT04a_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT04b_A	Mn-D	303(d)	List	2000	95-04	105	79.48	ug/L
COSPBT07_A	Mn-D	Attaining	M&E Delist	TVS	N/A	N/A	50	ug/L
COSPBT08_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT08_B	SO4	303(d)	Retain	TVS	N/A	N/A	250	mg/L
COSPBT09_A	Mn-D	303(d)	List	2000	95-99	23	89.7	ug/L
COSPCH01_A	Mn-D	303(d)	M&E to 303(d)	2000	95-99	46	86.95	ug/L
COSPCH04a_A	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COSPCH04a_A	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPCH04a_B	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPCL02c_B	Mn-D	303(d)	Retain	2000	95-99	165	203.1	ug/L
COSPCL02c_B	Fe-D	303(d)	Retain	2000	95-99	68	442.25	ug/L
COSPCL02c_E	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COSPCL02c_E	Fe-D	M&E	List	2000	95-99	68	442.25	ug/L
COSPCL03a_C	Fe-D	Attaining	No Action[3]	2000	95-14	29	792	ug/L
COSPCL03a_C	Mn-D	Attaining	No Action[3]	2000	95-14	29	174	ug/L
COSPCL03b_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL05_B	Mn-D	M&E	List	2000	95-99	67	431	ug/L
COSPCL06_C	Fe-D	Attaining	M&E Delist	2000	95-99	58	9995	ug/L
COSPCL06_C	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L
COSPCL09b_A	Mn-D	Attaining	M&E Delist	2000	95-09	14	507.02	ug/L
COSPCL10_A	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPCL12a_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL12a_B	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L
COSPCL12a_B	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPCL12a_B	Mn-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	50	ug/L
COSPCL13a_C	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COSPCL14a_A	Fe-D	M&E	List	2000	95-99	15	397	ug/L
COSPCL14b_A	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPCL14b_A	Mn-D	303(d)	M&E to 303(d)	Site Specific Standard	N/A	N/A	244	ug/L
COSPCL15_B	Mn-D	303(d)	List	2000	95-99	31	315	ug/L
COSPCL15_B	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COSPCL15_C	Mn-D	303(d)	List	2000	95-99	31	315	ug/L

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COSPCL16a_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL17b_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPCP07_B	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COSPCP07_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COSPCP07_C	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COSPCP07_C	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COSPCP09_B	Fe-D	303(d)	List	TVS	N/A	N/A	300	ug/L
COSPCP13a_B	Mn-D	Attaining	303(d) Delist	TVS	N/A	N/A	50	ug/L
COSPCP13a_B	SO4	Attaining	303(d) Delist	2000	95-04	17	2708	mg/L
COSPCP13a_E	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPLA02a_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPLS01_A	Mn-D	Attaining	303(d) Delist	TVS	N/A	N/A	50	ug/L
COSPLS01_A	SO4	303(d)	M&E to 303(d)	2000	95-99	46	553	mg/L
COSPMS01a_A	Mn-D	Attaining	M&E Delist	2000	95-04	248	240	ug/L
COSPMS01b_A	Mn-D	Attaining	303(d) Delist	TVS	N/A	N/A	50	ug/L
COSPSV04a_B	Mn-D	Attaining	M&E Delist	2000	95-18	28	188.2	ug/L
COSPSV04b_A	Mn-D	303(d)	List	2000	95-99	107	57.6	ug/L
COSPSV04b_B	Fe-D	Attaining	TMDL Delist	TVS	N/A	N/A	300	ug/L
COSPSV04b_B	Mn-D	303(d)	List	2000	95-99	107	57.6	ug/L
COSPSV04b_B	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COSPSV05_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPSV05_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COSPSV06_A[2]	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COSPSV06_C[2]	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COSPSV06_D[2]	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COSPUS02c_A	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COSPUS02c_A	Mn-D	TMDL	Retain	2000	95-99	31	235	ug/L
COSPUS02c_C	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L
COSPUS02c_C	Mn-D	TMDL	Retain	2000	95-99	31	235	ug/L
COSPUS02c_D	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L
COSPUS02c_D	Mn-D	TMDL	Retain	2000	95-99	31	235	ug/L
COSPUS03_B	Mn-D	303(d)	Retain	2000	95-99	45	170	ug/L
COSPUS04_E	Mn-D	303(d)	List	2000	95-99	95	100	ug/L
COSPUS05b_B	Mn-D	303(d)	Retain	2000	95-99	153	151.8	ug/L
COSPUS06b_A[4]	Mn-D	Attaining	No Action[3]	2000	95-18	30	62.9	ug/L
COSPUS15_B	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COUCBL02a_A	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCBL02a_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCBL06a_B	Mn-D	Attaining	303(d) Delist	2000	95-99	88	665	ug/L
COUCBL06a_C	Mn-D	Attaining	303(d) Delist	2000	95-99	88	665	ug/L
COUCBL12_B	Mn-D	M&E	Retain	2000	95-04	15	199	ug/L
COUCBL12_C	Mn-D	M&E	Retain	2000	95-04	15	199	ug/L
COUCBL20_B	Fe-D	M&E	Retain	2000	N/A	N/A	N/A	ug/L
COUCEA05a_C	Fe-D	303(d)	List	TVS	N/A	N/A	300	ug/L
COUCEA05c_A	Fe-D	303(d)	Retain	TVS	N/A	N/A	300	ug/L
COUCEA10a_B	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COUCNP03_A	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_B	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04a_E	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04a_F	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COUCNP04a_H	Fe-D	303(d)	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_H	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04b_B	Mn-D	Attaining	M&E Delist	2000	95-04	19	479	ug/L
COUCNP05b_A	Fe-D	303(d)	M&E to 303(d)	2000	95-04	28	359	ug/L
COUCNP05b_A	Mn-D	Attaining	M&E	2000	95-04	28	109.5	ug/L

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.

Portion ID	Analyte	Category / List	Listing Action	TVS or 2000[1]	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
			Delist					
COUCUC02_H	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COUCUC05_B	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COUCUC07b_E	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COUCUC07b_E	SO4	303(d)	Retain	TVS	N/A	N/A	250	mg/L
COUCUC07b_D	SO4	M&E	List	TVS	N/A	N/A	250	mg/L
COUCUC07b_D	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COUCUC07b_D	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COUCUC07d_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCUC07e_A[2]	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COUCUC10c_A	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COUCUC10c_B	Fe-D	Attaining	303(d) Delist	TVS	N/A	N/A	300	ug/L
COUCUC10c_C	Fe-D	Attaining	303(d) Delist	TVS	N/A	N/A	300	ug/L
COUCUC12_D	Fe-D	Attaining	303(d) Delist	2000	95-18	18	426.25	ug/L
COUCUC12_D	Mn-D	Attaining	303(d) Delist	2000	95-18	12	877.05	ug/L
COUCYA02a_A	Mn-D	Attaining	M&E Delist	2000	95-99	45	128	ug/L
COUCYA03_D	Mn-D	Attaining	M&E Delist	TVS	N/A	N/A	50	ug/L
COUCYA18_B	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COUCYA22_E	Fe-D	303(d)	List	TVS	N/A	N/A	300	ug/L

Footnotes

1) Where this column indicates that the appropriate standard is the existing quality as of the year 2000 (as indicated with '2000' in this column), information for the subsequent columns is only reported where 10 or more samples are available.

2) The water supply use classification was removed from COSPSV06 and from COUCUC07e during the 2015 and 2019 rulemaking hearings, respectively. Therefore there are no standards to memorialize.

3) During the hearing process, it was determined that the 303(d) listing was not appropriate. Assessment values are memorialize for future assessment cycles.

4) Assessment value memorialized in this table applies only to the epilimnion.

7. Policy 10-1 Aquatic Life Use Attainment Update

In 2017, the commission updated Policy 10-1, Aquatic Life Use Attainment, Methodology to Determine Use Attainment for Rivers and Streams. Policy 10-1 provides the commission with a methodology for determining if the Aquatic Life Use is attaining in wadeable streams and rivers. The policy describes a bioassessment Multi-Metric Index (MMI) tool, which provides a direct measurement and characterization of the health of the benthic macroinvertebrate community. The MMI calculates a unitless score that ranges from 0-100. These MMI scores are then compared to biological thresholds, which are located in Table 1 of Policy 10-1.

For the 2017 update of Policy 10-1, the MMI (4.0) tool was updated to provide more precise MMI scores as well as new metrics that describe more detailed attributes of the benthic macroinvertebrate community. The MMI tool was recalibrated with a more robust reference and stressed site dataset. As a result, the MMI scores for reference sites were recalculated, which led to new biotype thresholds. The three biotypes are Biotype 1 (Transition), Biotype 2 (Mountain) and Biotype 3 (Xeric and Plains).

During the 2020 303(d) listing cycle, the division utilized the recalibrated tool to assess MMI scores against the new biotype thresholds. This included newly provided and previously submitted data. These assessments were completed within the South Platte and Upper and Lower Colorado basins.

For the 2020 listing cycle the commission placed 27 new segments on the 303(d) List, removed 18 segments from the 303(d) List, and retained 26 segments on the 303(d) List.

8. Site-specific decisions made by the commission are discussed below

a) COSPCH01 – Dissolved Manganese

Segment COSPCH01 was placed on the M&E List for dissolved manganese at the 2016 Regulation #93 rulemaking. In the current assessment, sampling data shows that Segment COSPCH01 is not in attainment of the water supply standard for dissolved manganese, as the current concentration (101.55 µg/L) exceeds the existing water quality as of January 1, 2000 (86.95 µg/L). Although the division considered the existence of facilities as of January 1, 2000,including Parker Water and Sanitation District's water reclamation facilities, the updated attainment analysis found no evidence of increased sources of dissolved manganese from these facilities between 1999 and 2010. The Division is making no conclusion as to whether such facilities are the source of impairment.

b) COSPUS06b –Total Arsenic

Chatfield Reservoir was placed on the 303(d) List for arsenic, but was assigned a low priority for TMDL development. Statewide, compliance problems are evident, and there is uncertainty regarding the appropriate standard to protect the water supply use for arsenic and the extent to which ambient levels of arsenic are natural/irreversible. Additionally, there has been a delay in the release of the EPA Integrated Risk Information System (IRIS) report for arsenic that is necessary for standards revisions. Therefore, as it relates to arsenic, the division will focus efforts on evaluating feasibility information and revising the arsenic standards. The division will deprioritize the development of TMDL's for arsenic listings until other work has been accomplished.

c) COUCEA05

In the case of the acute and chronic dissolved metal standards for Eagle River Segments 5a, 5b and 5c the division considered available data and used the approach described in the 2020 303(d) Listing Methodology to determine attainment of water quality standards. The commission approved several listing actions within these segements. This included adding paramaters to the 303(d) List, removing paramaters from the 303(d) List and changing listing categories from 4a (approved TMDL) to 1(attaining). Under CERCLA, the EPA determines the nature and extent of contamination (Remedial Investigation), considers cleanup alternatives in a Feasibility Study, and then selects a Final Remedy in a Record of Decision. In the 2013 Focused Feasibility Study, the EPA considered data from 2009 to 2012 and any exceedance of water quality standards resulted in the identification of remediation actions to achieve water quality standards attainment year-round. The 303(d) and CERCLA water quality assessment processes differ slightly and it is possible that they result in differing analysis and conclusions for Eagle River Segment 5. Therefore, some segments that are deemed attaining standards in 303(d) assessment process may still indicate that additional water quality improvements are needed as a part of the Superfund process. In this hearing, the commission decided not to move the upper portion of segment 5a from Category 4a into Category 1 for zinc and instead decided to keep all three of these segments in Category 4a. The commission found that there were factors specific to these circumstances that warranted deviating from the Listing Methodology and exercising best professional judgment. These factors include the unique access constraints associated with a Superfund site designation, such as the fact that only the Hazardous Materials and Waste Management Division is able to collect data from the upper portion of segment 5a, and therefore it is challenging to collect paired data reflecting conditions in the upper portion and the lower portion of this segment on the same day. Another factor was that there was more data available for the lower portion than for the upper portion, and the data for the lower portion demonstrated impairment. The commission was not convinced that if there had been paired data the upper portion would still have been assessed as in attainment. Therefore the commission determined to keep the upper portion of segment 5a in Category 4a for zinc.

d) COUCYA13e_A – Macroinvertebrates

The commission decided to place this segment on the monitoring and evaluation list instead of the 303(d) List for macroinvertebrates because there was only one data point and it was from 2008. While the Listing Methodology indicates that in these circumstances a 303(d) listing is appropriate, in these circumstances the commission determined that a deviation from the Listing Methodology was warranted because when the segment was first evaluated using the prior version of the MMI tool it was considered attaining but when the same data was assessed using the newer version of the MMI tool, it was not in attainment. Therefore, the commission determined that placing this segment on the Monitoring and Evaluation list for macroinvertebrates was warranted in this unique instance.

9. Parties to the rulemaking hearing

Editor's Notes

History

Entire rule eff. 04/30/2008.

Entire rule eff. 04/30/2010.

Rules 93.1, 93.2, 93.3, 93.14 eff. 03/30/2012.

Rules 93.2-93.4, 93.15 eff. 03/01/2016.
Rules 93.3, 93.16 eff. 11/30/2016.
Rules 93.3, 93.4, 93.15 eff. 03/02/2018.
Rules 93.3, 93.18 eff. 03/01/2020.
Rules 93.2, 93.3, 93.4 eff. 06/14/2020.