

STATE OF COLORADO

John W. Hickenlooper, Governor
Christopher E. Urbina, MD, MPH
Executive Director and Chief Medical Officer

WATER QUALITY CONTROL COMMISSION

<http://www.cdphe.state.co.us/op/wqcc/index.html>

4300 Cherry Creek Dr. South
Denver, Colorado 80246-1530
Phone (303) 692-3463
Fax (303) 691-7702



**Colorado
Department
of Public Health
and Environment**

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

SUBJECT:

For consideration of the adoption of revisions to (1) the list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads and (2) Colorado's Monitoring and Evaluation List, Regulation #93 (5 CCR 1002-93). Revisions to Regulation #93 proposed by the Water Quality Control Division (the Division) as staff to the Commission, along with proposed Statement of Basis, Specific Statutory Authority, and Purpose, are attached to this Notice as Exhibit 1. Revisions to Regulation #93 proposed by Western Resource Advocates, along with proposed Statement of Basis, Specific Statutory Authority, and Purpose, are attached to this Notice as Exhibit 2.

For any water segments included on the proposed lists (existing listings or proposed revisions) set forth in Exhibits 1 and 2, this hearing will also consider any alternative proposals that such segments be included on the list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads, on Colorado's Monitoring and Evaluation List, or not included on either list. This hearing will not consider potential listing of water segments not identified in this notice or the exhibits.

HEARING SCHEDULE:

DATE: Monday, December 12, 2011
TIME: 9:30 a.m.
PLACE: Florence Sabin Conference Room
Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado

PUBLIC PARTICIPATION ENCOURAGED:

The Commission encourages all interested persons to provide their opinions or recommendations regarding the matters to be addressed in this rulemaking hearing, either orally at the hearing or in writing prior to or at the hearing. Although oral testimony from those with party status (see below) and other interested persons will be received at the hearing, the time available for such oral testimony may be limited. Written submissions prior to the hearing are encouraged, so that they can be distributed to the Commission for review prior to the hearing. **Also, please note the November 2, 2011 deadline set forth below for the submission of evidence regarding the issues to be addressed in this rulemaking hearing.** Oral testimony at the hearing should primarily summarize written

material previously submitted. The hearing will emphasize Commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status or mailing list status (see below) generally will not be permitted.

The Commission encourages informal discussions between the parties, the Water Quality Control Division and other interested persons prior to the hearing, in an effort to reach consensus or to develop proposed resolutions of issues and/or narrow the issues potentially in dispute. The Commission strongly encourages that any multi-party/Division proposals for the resolution of issues (including proposed Statement of Basis and Purpose language whenever feasible) be submitted as part of the administrative record as early as possible. To help facilitate discussions, the following contact information is provided:

- Water Quality Control Division: Rebecca Anthony; 303-692-3339;
rebecca.anthony@state.co.us
- Western Resource Advocates: John Barth; 303-774-8868;
barthlawoffice@gmail.com

PARTY STATUS/MAILING LIST STATUS:

Participation as a "party" to this hearing or acquisition of "mailing list status," will require compliance with section 21.4(D) of the Procedural Rules, Regulation #21 (5 CCR 1002-21). Mailing list status will allow receipt of all party documents (except individual exhibits more than five pages in length). It is not necessary to acquire party status or mailing list status in order to testify or comment. **For each request for party status or mailing list status, please provide the organization's name, a contact person, mailing address, phone number, fax number and email address if available.** Written party status or mailing list status requests are due in the Commission Office on or before:

DATE: Tuesday, September 27, 2011
TIME: 5:00 p.m.

A single copy of the party status or mailing list status request may be transmitted as an email attachment to cdphe.wqcc@state.co.us, submitted by fax to 303-691-7702, mailed or otherwise conveyed so as to be received in the Commission Office no later than this deadline. PLEASE NOTE that, as indicated below, parties will have the option of distributing materials to other parties electronically, except in instances where a party has requested receiving hard copies of documents. Therefore, **anyone requesting party or mailing list status that wishes to receive hard copies of documents instead of emailed copies should so indicate in the party status/ mailing list status request so that this information can be included on the list distributed by the Commission Office.**

PREHEARING STATEMENTS AND EVIDENCE:

PLEASE NOTE that for this hearing two separate deadlines for prehearing statements are established:

- (1) An original and 13 copies of **Proponents' Prehearing Statement from the Division, as proponent of the revisions proposed in Exhibit 1 attached to this notice and from Western Resource Advocates as proponent of the revisions proposed in**

Exhibit 2, including written testimony and exhibits providing the basis for the proposal, must be received in the Commission Office no later than **October 4, 2011**; and

(2) an original and 13 copies of a **Responsive Prehearing Statement**, including any exhibits, written testimony, and alternative proposals of the Division or **anyone seeking party status and intending to respond to the proponents' proposals** must be received in the Commission Office no later than **November 2, 2011**. **PLEASE NOTE that those requesting mailing list status and any other interested persons shall provide written evidence regarding any of the noticed proposals, if any evidence is to be offered for the hearing, by this same date.** Any data or other information that is submitted following this deadline will be considered in the next listing cycle.

For each deadline, the required number of hard copies of documents must be received in the Commission office by the specified deadline. These requirements are not satisfied by electronic transmission of a facsimile copy or copies. However, **parties are also strongly encouraged to email a copy of their written documents to the Commission Office**, so that materials received can be posted on the Commission's web site. (Please email to cdphe.wgcc@state.co.us.) In addition, copies of these documents must be mailed or hand-delivered by the specified dates to all persons requesting party status or mailing list status, and to the Attorney General's Office representatives for the Commission and Division, in accordance with a list provided by the Commission Office following the party status/ mailing list status deadline. **Alternatively, parties may email documents to those with party status or mailing list status by the specified dates**, except to those that the list distributed by the Commission Office identifies as requesting hard copies.

Also **note** that the Commission has prepared a document entitled **Information for Parties to Water Quality Control Commission Rulemaking Hearings**. A copy of this document will be mailed or emailed to all persons requesting party status or mailing list status. It is also posted on the Commission's web site at <http://www.cdphe.state.co.us/op/wgcc/PublicParticipation/HBappC.pdf>. Following the suggestions set forth in this document will enhance the effectiveness of parties' input for this proceeding. **Please note the request that all parties submit their hard copies of all hearing documents on three-hole punch paper.**

PREHEARING CONFERENCE:

DATE: Wednesday, November 9, 2011
TIME: 2:00 p.m.
PLACE: Sabin Room
Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado

Attendance at the prehearing conference is mandatory for all persons requesting party status.

REBUTTAL STATEMENTS:

Written rebuttal statements responding to the prehearing statements due on November 1, 2011 may be submitted by the Division or anyone seeking party status or mailing list status. Any such rebuttal statements must be received in the Commission Office by **November 30**,

2011. No new data or other new factual information will be accepted after November 2, 2011, but the rebuttal statements may contain different perspectives regarding what the submitted information shows regarding attainment of standards or the appropriateness of listing specific water segments on the list of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads or on Colorado's Monitoring and Evaluation List.

An original and 13 copies of written rebuttal statements must be received in the Commission Office by this deadline. This requirement is not satisfied by electronic transmission of a facsimile copy or copies. However, please also email a copy to cdphe.wqcc@state.co.us. In addition, copies of these documents must be mailed or hand-delivered by that date to all those requesting party status or mailing list status, and to the Attorney General's Office representatives for the Commission and Division. **Alternatively, parties may email documents to those with party status or mailing list status by this deadline**, except to those that the list distributed by the Commission Office identifies as requesting hard copies. No other documentation, exhibits, or other materials will be accepted following this deadline except for good cause shown.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; C.R.S. provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the Commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

NOTIFICATION OF POTENTIAL MATERIAL INJURY TO WATER RIGHTS:

In accordance with section 25-8-104(2)(d), C.R.S. any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate in the party status request submitted. In order for this potential to be considered fully by the Commission and the other agencies listed in the statute, persons must fully explain the basis for their claim in their prehearing statement which is due in the Commission Office on the date specified above. This explanation should identify and describe the water right(s), and explain how and to what degree the material injury will be incurred.

Dated this 11th day of August, 2011 at Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

Paul D. Frohardt, Administrator

EXHIBIT 1
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION

5 CCR 1002-93

REGULATION #93

**COLORADO'S SECTION 303(D) LIST OF IMPAIRED WATERS AND MONITORING
AND EVALUATION LIST**

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93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

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WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COAR	Arkansas River Basin				
COARFO01a	Fountain Creek and tributaries above Monument Creek	all		<i>E. coli</i> , Se	H/L
COARFO02a	Fountain Creek, Monument Creek to Hwy 47	all	<u>Fe(Trec)</u>	<i>E. coli</i>	H
COARFO02b	Fountain Creek from Hwy 47 to the Arkansas River	all		Se, <i>E.coli</i> (May-October)	L/H
COARFO04	All tribs to Fountain Creek, which are not on National Forest or Air Force Academy Land	all		<i>E.coli</i>	H
<u>COARFO04</u>	<u>All tribs to Fountain Creek, which are not on National Forest or Air Force Academy Land</u>	<u>Sand Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COARFO06	Monument Creek from National Forest to Fountain Creek	Below Mesa Road (for Se only) All (for <i>E. coli</i>)		Se, <i>E. coli</i> (May-October)	L/H
COARFO07a	Pikeview Reservoir, Willow Springs Ponds #1 and #2	Willow Springs Ponds #1 & #2		Aquatic Life Use (PCE FCA)	M
COARLA01a	Arkansas River, Fountain Creek to Colorado Canal headgate	all		Se, SO ₄	L
COARLA01b	Arkansas River, Colorado Canal headgate to John Martin Reservoir	all		Se	L
COARLA01c	Arkansas River, John Martin Reservoir to stateline	all		Se, U	L
COARLA04	Apishapa River, Timpas Creek, Lorencito Canyon	all		Se	L
COARLA04	Apishapa River, Timpas Creek, Lorencito Canyon	Timpas Creek		Fe(Trec)	H
COARLA05a	Purgatoire River from source to I-25	all		Se	L
COARLA05b	Trinidad Reservoir, Long Canyon Reservoir, and Lake Dorothy	Trinidad Reservoir		Aquatic Life Use (Hg FCA-Fish Tissue), D.O. (T temperature)	H
COARLA07	Purgatoire River, I-25 to Arkansas River	all	Sediment	Se	L
COARLA09a	Mainstem of Adobe Creek and Gageby Creek...	all		Se	L
COARLA09a	Mainstem of Adobe Creek and Gageby Creek...	Horse Creek		Fe(Trec)	H
COARLA09a	Mainstem of Adobe Creek and Gageby Creek...	Adobe Creek		<i>E. coli</i>	H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COARLA09b	Apache Creek, Breckenridge Creek, Little Horse Creek, Bob Creek, Wildhorse Creek, Wolf Creek, Big Sandy Creek	all		Se	L
COARLA09c	Rule Creek, Muddy Creek, Caddoa Creek, Clay Creek, Cat Creek...	As specified to right	Zn (Rule Creek)	Fe(Trec), Se (Chicosa Creek)	L
COARLA10	Two Buttes Res., Two Buttes Pond, Hasty Lake, Holbrook Res., Burchfield Lake, Nee-Skah (Queens) Res., Adobe Creek Res., Neeso Pah Res., Nee Nosha Res., Nee Gronda Res.	Adobe Creek Res., Nee Gronda Res		Se	L
COARLA11	John Martin Reservoir	all		Se	L
COARLA12	Lake Henry, Lake Meredith	all		Se	L
COARMA04a	Wildhorse Creek	all	NO ₂	<i>E. coli</i>	H
COARMA06	St. Charles River and tributaries, CF&I diversion to Arkansas River	all	U	Se	L
COARMA07	Greenhorn Creek, including all tributaries, from source to Greenhorn Highline Diversion Dam; Graneros Creek; North Muddy Creek	all	Cu, Zn		
COARMA09	Greenhorn Creek, including tributaries, from Greenhorn Highline Diversion Dam to the St. Charles River	all	Se		
COARMA10	Sixmile Creek	all		Fe(Trec), Se	L
COARMA12	Huerfano River, from Muddy Creek to the Arkansas River	all		Se	L

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COARMA13	<u>Mainstem of the Cucharas River, and tributaries from the source to the point of diversion for the Walsenburg public water supply</u>	<u>Wahatoya Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COARMA14	Cucharas River, from Walsenburg PWS diversion to the outlet of Cucharas Reservoir	all		Se	L
COARMA16	Huajatolla Reservoir, Diagre Reservoir, Walsenburg Lower Town Lake, Horseshoe Lake and Martin Lake (Ohem Lake)	Horseshoe Lake		Aquatic Life Use (Hg FCA <u>Fish Tissue</u>)	H
COARMA18a	Boggs Creek	all		Se, Zn, U	H
COARUA05	<u>All tributaries to the Arkansas River from the source to immediately below the confluence with Browns Creek,</u>	<u>Lake Fork, S. Cottonwood Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COARUA08b	Iowa Gulch from ASARCO water supply intake to Paddock #1 Ditch (Iowa Ditch)	all		Cd, Pb, Zn	M
COARUA10	Mainstem of Lake Creek and all tributaries, lakes and reservoirs from source to Arkansas River (including Twin Lakes Reservoir)	all, excluding Twin Lakes Reservoir		pH, D.O., Cu	H
COARUA10	Mainstem of Lake Creek and all tributaries, lakes and reservoirs from source to Arkansas River (including Twin Lakes Reservoir)	Twin Lakes Reservoir	Cu	<u>Cu</u>	<u>H</u>
COARUA14b	Tributaries to the Arkansas River, from Pueblo Reservoir to Colorado Canal headgate	Teller Reservoir		Aquatic Life Use (Hg FCA <u>Fish Tissue</u>)	

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COARUA15	Grape Creek including De Weese Res., Texas, Badger, Hayden, Hamilton, Stout and Big Cottonwood Creeks, Newland Creek	De Weese Reservoir		D.O.	H
<u>COARUA18</u>	<u>Mainstem of Currant Creek (Park County) and tributaries from the source to the confluence with Tallahassee Creek</u>	<u>Currant Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COARUA20	Fourmile Creek and tributaries, Cripple Creek to Arkansas River	North Fork Wilson Creek below Independence Mine	As, Cu		
<u>COARUA21a</u>	<u>Mainstem of Cripple Creek from the source to a point 1.5 miles upstream of the confluence with Fourmile Creek.</u>	<u>all</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COARUA27	Mainstem of Eightmile Creek, including all tributaries, wetlands, lake and reservoirs, from the source to the mouth of Phantom Canyon; Brush Hollow Reservoir	Brush Hollow Reservoir	pH	Aquatic Life Use (Hg Fish Tissue FCA), D.O.	H
COGU	Gunnison River Basin				
COGULG02	Gunnison River, Uncompaghgre River to Colorado River	all	Sediment	Se [*] SO ₄ , E. coli	H <u>L/H</u>
<u>COGULG03</u>	<u>All tributaries to the Gunnison River which are on national forest lands from the outlet of Crystal Reservoir to the confluence with the Colorado River</u>	<u>Eggleston Reservoir</u>	<u>pH, Zn, Fe(Trec)</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGULG04a	Tributaries to Gunnison River, Crystal Reservoir to Colorado River	All Callow Creek	<u>SO₄, E. coli</u>	Se	H
<u>COGULG04a</u>	<u>Tributaries to Gunnison River, Crystal Reservoir to Colorado River</u>	<u>Cummings Gulch</u>	<u>SO₄</u>		
<u>COGULG04a</u>	<u>Tributaries to Gunnison River, Crystal Reservoir to Colorado River</u>	<u>Whitewater Creek</u>	<u>U</u>	<u>SO₄, Mn (WS)</u>	<u>L</u>
<u>COGULG04a</u>	<u>Tributaries to Gunnison River, Crystal Reservoir to Colorado River</u>	<u>Wells Gulch</u>	<u>pH</u>		
<u>COGULG04a</u>	<u>Tributaries to Gunnison River, Crystal Reservoir to Colorado River</u>	<u>Peach Valley Creek</u>		<u>Fe(Trec)</u>	<u>M</u>
<u>COGULG04b</u>	<u>All lakes and reservoirs tributary to the Gunnison River and not on national forest lands from the outlet of Crystal Reservoir to the Colorado River</u>	<u>Kannah Creek</u>	<u>SO₄</u>		
COGULG04b	All lakes and reservoirs tributary to the Gunnison River and not on national forest lands from the outlet of Crystal Reservoir to the Colorado River	Juniata Reservoir		Aquatic Life Use (Hg <u>Fish Tissue FCA</u>)	<u>H</u>
COGULG04b	All lakes and reservoirs tributary to the Gunnison River and not on national forest lands from the outlet of Crystal Reservoir to the Colorado River	Jatz Bottomlands	Se		
COGULG04c	Red Rock Creek within Black Canyon of the Gunnison National Park	all		Se	H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGULG07	Surface, Ward, Tongue, Youngs, and Kiser Creeks not on USFS land	Tongue Creek, Ward Creek	Se	Se, Fe(Trec)	M
COGULG07	Surface, Ward, Tongue, Youngs, and Kiser Creeks not on USFS land	Surface Creek	Fe (Trec) Pb		
COGULG08	Tributaries to Gunnison River, Kannah Creek	Kannah Creek below USGS station 09152000		Se	H
COGULG09	Fruitgrowers Reservoir	all		D.O.	H
COGULG11a	Tributaries to the Smith Fork	Lunch Creek	sediment		
COGULG12	<u>All tributaries to the Smith Fork which are not on national forest lands</u>	<u>Muddy Creek</u>	<u>E. coli</u>		
COGULG13	<u>Crawford Reservoir</u>	<u>all</u>		<u>D.O. (Temperature)</u>	<u>H</u>
COGUNF03	North Fork of the Gunnison from Black Bridge above Paonia to the confluence within the Gunnison	all		Se	H
COGUNF04	<u>All tributaries to the North Fork of the Gunnison River Muddy Creek to Coal Creek; all tributaries to the North Fork of the Gunnison including the Grand Mesa Lakes which are on national forest lands</u>	<u>East Muddy Creek</u>	<u>Pb</u>	<u>Se, Fe(Trec)</u>	<u>H</u>
COGUNF04	<u>All tributaries to the North Fork of the Gunnison River Muddy Creek to Coal Creek; all tributaries to the North Fork of the Gunnison including the Grand Mesa Lakes which are on national forest lands</u>	<u>Muddy Creek</u>	<u>E. coli (May-Oct)</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGUNF04	<u>All tributaries to the North Fork of the Gunnison River Muddy Creek to Coal Creek; all tributaries to the North Fork of the Gunnison including the Grand Mesa Lakes which are on national forest lands</u>	Island Reservoir	pH, Zn		
COGUNF05	Hubbard, Terror, Minnesota and Leroux Creeks from USFS boundary to N. Fork. Mainstem of Jay Creek and mainstem and tribs of Roatcap Creek to the N. Fork	Leroux Creek, Jay Creek,		Se*	H
COGUNF05	<u>Hubbard, Terror, Minnesota and Leroux Creeks from USFS boundary to N. Fork. Mainstem of Jay Creek and mainstem and tribs of Roatcap Creek to the N. Fork</u>	<u>Leroux Creek</u>	<u>E. coli</u>		
COGUNF06a	Tributaries to N. Fork of Gunnison River not on USFS property	Short-Draw		Se	H
COGUNF06a	<u>Tributaries to N. Fork of Gunnison River not on USFS property</u>	<u>Unnamed tributary to North Fork Gunnison River near Hotchkiss</u>	<u>Se</u>		
COGUNF06a	Tributaries to the North Fork of the Gunnison not on USFS lands	Coal Gulch, Hawksnest Creek, Gribble Gulch	Fe(Trec)		
COGUNF06b	Bear, Reynolds, Bell, McDonald, Cottonwood, Love, Cow, Dever, German and Miller Creeks, Stevens, Big, Stingley and Alum gulch not on USFS property	Big Gulch	Se		H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGUNF06b	Bear Creek, Reynolds Creek, Bell Creek, McDonald Creek, Cottonwood Creek, Love Gulch, Cow Creek, Dever Creek, German Creek, Miller Creek, Stevens Gulch, Big Gulch, Stingley Gulch and Alum Gulch not on national forest lands from the source to the North Fork of the Gunnison River	Cottonwood Creek	Fe(Trec)	Se	H
COGUNF06b	<u>Bear Creek, Reynolds Creek, Bell Creek, McDonald Creek, Cottonwood Creek, Love Gulch, Cow Creek, Dever Creek, German Creek, Miller Creek, Stevens Gulch, Big Gulch, Stingley Gulch and Alum Gulch not on national forest lands from the source to the North Fork of the Gunnison River</u>	<u>Alum Gulch</u>		<u>SO₄, Fe(Trec)</u>	<u>M</u>
COGUNF07	<u>Paonia Reservoir</u>	<u>all</u>	<u>Zn</u>		
COGUSM02	<u>Tributaries to the San Miguel River from the source to Leopard Creek</u>	<u>Bilk Creek</u>	<u>Cd</u>		
COGUSM02	<u>Tributaries to the San Miguel River from the source to Leopard Creek</u>	<u>Bear Creek</u>	<u>Pb</u>	<u>Cd, Zn(sc)</u>	<u>H</u>
COGUSM02	<u>Tributaries to the San Miguel River from the source to Leopard Creek</u>	<u>Cornet Creek</u>	<u>Pb</u>		
COGUSM02	<u>Tributaries to the San Miguel River from the source to Leopard Creek</u>	<u>Howard Fork above Swamp Canyon</u>		<u>pH, D.O., Aquatic Life</u>	<u>H</u>
COGUSM03a	<u>San Miguel River, Bridal Veil & Ingram Creek to Marshall Creek</u>	<u>below Idarado Mine</u>	<u>Cd</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COGUSM03b</u>	<u>Mainstem of the San Miguel River Marshall Creek to South Fork San Miguel River.</u>	<u>all</u>	<u>Pb</u>		
<u>COGUSM04a</u>	<u>Mainstem of the San Miguel River from the South Fork of the San Miguel to below the CC ditch.</u>	<u>From South Fork San Miguel to confluence with Leopard Creek</u>	<u>Pb</u>		
<u>COGUSM04b</u>	<u>Mainstem of the San Miguel River from below the CC ditch to Naturita Creek.</u>	<u>all</u>		<u>pH, Se</u>	<u>H</u>
<u>COGUSM06a</u>	<u>Ingram Creek, source to San Miguel River</u>	<u>all</u>	<u>Cd, Mn, Cu</u>		
<u>COGUSM06b</u>	<u>Marshall Creek, source to San Miguel River</u>	<u>all</u>	<u>Cd, Cu, Pb</u>		
<u>COGUSM07a</u>	<u>Mainstem of Howard Fork and tributaries Swamp Gulch the South Fork of the San Miguel.</u>	<u>Chapman Creek</u>	<u>Fe(Trec)</u>		
<u>COGUSM07a</u>	<u>Mainstem of Howard Fork and tributaries Swamp Gulch the South Fork of the San Miguel.</u>	<u>Iron Bog Creek</u>	<u>pH, D.O.</u>		
<u>COGUSM08</u>	<u>Mainstem of South Fork of San Miguel River from the Howard and Lake Forks to the San Miguel River.</u>	<u>all</u>	<u>Mn(WS)</u>		
<u>COGUSM10</u>	<u>Mainstem of Naturita Creek from the Uncompahgre National Forest boundary to its confluence with the San Miguel River, and Gurley Reservoir; Tabeguache Creek from its source to the confluence with San Miguel River.</u>	<u>Naturita Creek</u>	<u>D.O., E. coli</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COGUSM11</u>	<u>West Fork of Naturita Creek, Miramonte Reservoir, the mainstem of Beaver, Horsefly and Saltado Creeks from the Uncompahgre National Forest boundary to their confluence with the San Miguel River.</u>	<u>Miramonte Reservoir</u>		<u>D.O.</u> (Temperature)	<u>H</u>
<u>COGUSM12</u>	<u>All tributaries to the San Miguel River from the confluence of Leopard Creek to the Dolores</u>	<u>Mesa Creek</u>	<u>Se</u>		
<u>COGUSM12</u>	<u>All tributaries to the San Miguel River from the confluence of Leopard Creek to the Dolores</u>	<u>Calamity Draw, Specie Creek</u>	<u>D.O.</u>		
<u>COGUSM12</u>	<u>All tributaries to the San Miguel River from the confluence of Leopard Creek to the Dolores</u>	<u>Maverick Draw</u>		<u>Aquatic Life</u> (provisional)	<u>M</u>
<u>COGUUG04</u>	<u>Mainstem of the Taylor River from the source to the confluence with the Gunnison River</u>	<u>Taylor River</u>	<u>Pb</u>		
<u>COGUUG06b</u>	<u>Cement Creek and all its tributaries and all lakes, reservoirs, and wetlands in the East River Drainage tributary to Segment 6a.</u>	<u>Cement Creek</u>		<u>Aquatic Life</u> (provisional)	<u>M</u>
<u>COGUUG07</u>	<u>Slate River from source to Coal Creek</u>	<u>Below Oh-Be-Joyful Creek</u>	<u>Cd</u>	<u>Zn(sculpin)</u>	<u>H</u>
<u>COGUUG08</u>	<u>Slate River, Coal Creek to East River</u>	<u>all</u>	<u>Pb</u>	<u>Cd, Zn, Aquatic Life</u>	<u>H</u>
<u>COGUUG09</u>	<u>All tributaries to the Slate River</u>	<u>Coal Creek</u>		<u>As</u>	<u>H</u>

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGUUG10	Oh-Be-Joyful Creek and tributaries from wilderness to Slate River	all		Cd, Cu, Pb, Zn	H
<u>COGUUG10</u>	<u>Oh-Be-Joyful Creek and tributaries from wilderness to Slate River</u>	<u>Redwell Creek</u>	<u>pH</u>		
COGUUG11	Coal Creek from Elk Creek to Crested Butte water supply intake, plus Elk Creek	All <u>Elk Creek</u>		Cd, Pb, Zn, <u>As</u>	H
<u>COGUUG11</u>	<u>Coal Creek from Elk Creek to Crested Butte water supply intake, plus Elk Creek</u>	<u>Coal Creek</u>		<u>Cd, Zn, As, Mn(WS)</u>	<u>H</u>
COGUUG12	Coal Creek and tributaries from Crested Butte water supply intake to Slate River	Coal Creek		Cd, Zn, <u>Cu</u>	H
<u>COGUUG15</u>	<u>Tributaries to the Gunnison River from the confluence of the East and Taylor Rivers to the inlet of Blue Mesa Reservoir</u>	<u>S. Beaver Creek</u>	<u>D.O., Mn (WS), Fe (Dis), Fe(Trec),</u>	<u>Aquatic Life (provisional)</u>	<u>M</u>
COGUUG16	Ohio Creek and tributaries source to Gunnison River	all	<u>Zn(sculpin), <i>E. coli</i></u>		
COGUUG17	Antelope Creek and tributaries source to Gunnison River	all	<u>D.O., Mn (WS), <i>E. coli</i></u>		
COGUUG18	Tomichi Creek source to Gunnison River	all	<u><i>E. coli</i></u>		
<u>COGUUG23</u>	<u>Mainstem of Cochetopa Creek and tributaries, from the source to a point immediately below the confluence with West Pass Creek</u>	<u>Stewart Creek</u>	<u>Fe(Trec)</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COGUUG23</u>	<u>Mainstem of Cochetopa Creek and tributaries, from the source to a point immediately below the confluence with West Pass Creek</u>	<u>Cochetopa Creek</u>	<u>Fe(Dis)</u>		
<u>COGUUG24</u>	<u>Mainstem of Cochetopa Creek from West Pass Creek to Tomichi Creek</u>	<u>Cochetopa Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
<u>COGUUG26</u>	<u>All tributaries, from the source, to those waters described in segment 25 including all lakes, reservoirs (including Silver Jack Reservoir), and wetlands, which are on Gunnison and Uncompahgre National Forest lands or which flow into or are present within Curecanti National Recreation Area</u>	<u>Cimarron River</u>	<u>Pb</u>		
<u>COGUUG26</u>	<u>All tributaries, from the source, to those waters described in segment 25 including all lakes, reservoirs (including Silver Jack Reservoir), and wetlands, which are on Gunnison and Uncompahgre National Forest lands or which flow into or are present within Curecanti National Recreation Area</u>	<u>Mesa Creek</u>	<u>Cu</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COGUUG26</u>	<u>All tributaries, from the source, to those waters described in segment 25 including all lakes, reservoirs (including Silver Jack Reservoir), and wetlands, which are on Gunnison and Uncompahgre National Forest lands or which flow into or are present within Curecanti National Recreation Area</u>	<u>Blue Creek</u>		<u>Cu</u>	<u>H</u>
<u>COGUUG26</u>	<u>All tributaries, from the source, to those waters described in segment 25 including all lakes, reservoirs (including Silver Jack Reservoir), and wetlands, which are on Gunnison and Uncompahgre National Forest lands or which flow into or are present within Curecanti National Recreation Area</u>	<u>Beaver Creek</u>	<u>Mn(WS)</u>	<u>Aquatic Life (provisional)</u>	<u>H</u>
COGUUG29a	Lake Fork of the Gunnison River and tributaries from source to Blue Mesa Reservoir	Deadman <u>Creek Gulch</u>		pH, Cd, Cu, Mn, Zn	H
<u>COGUUG29a</u>	<u>Mainstem of the Lake Fork of the Gunnison and tributaries from the source to Blue Mesa Reservoir</u>	<u>Lake Fork of the Gunnison</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COGUUG30	Henson Creek mainstem and tribs	all	<u>Pb,</u>	<u>Cd, Zn(sculpin)</u> <u>pH, Cu, Fe(Trec), Mn (WS), Fe(Dis)</u>	H
COGUUG31	Palmetto Gulch	all	<u>Cu, Ag</u>	<u>Cd, Zn</u>	<u>M</u>
COGUUG32	North Fork of Henson Creek and tributaries from source to Henson Creek	all	<u>Pb,</u> <u>Zn(sculpin)</u>	<u>Mn (WS)</u>	<u>L</u>

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGUUN02	<u>Mainstem of the Uncompahgre River from the source at Como Lake to a point immediately above the confluence with Red Mountain Creek.</u>	all	Pb	Mn (WS)	L
COGUUN03b	<u>Ridgway Reservoir</u>	all	Pb, Zn		
COGUUN04a	Uncompahgre River, HWY 90 to La Salle Road	all	sediment		
COGUUN04b	Uncompahgre River, La Salle Road to Confluence Park	all	sediment	Se*	H
COGUUN04c	Uncompahgre River, Confluence Park to Gunnison River	all	sediment	Se* <u>Fe(Trec)</u>	H
COGUUN06a	<u>Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.</u>	all		<u>Ag, Cu</u>	<u>M</u>
COGUUN07	Gray Copper Gulch from source to Red Mountain Creek	all	Fe(Trec)	<u>Cu</u>	<u>M</u>
COGUUN08	Mineral Creek, source to Uncompahgre River	all	Cd , Cu, Zn		
COGUUN09	Canyon Creek, Imogene Creek, Sneffels <u>Sneffels</u> Creek	All <u>Sneffels Creek</u>	Zn	<u>Cd, Zn</u>	<u>H</u>
COGUUN09	Canyon Creek, Imogene Creek, Sneffels <u>Sneffels</u> Creek	Canyon Creek	Pb		
COGUUN10	All tributaries to the Uncompahgre River from Dexter Creek to the South Canal	Alkali Creek	Se		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGUUN11	Coal, Dallas, Cow, Billy, Onion, Beaton, Beaver and Pleasant Valley Creeks	Billy Creek, Onion Creek	Se		
<u>COGUUN11</u>	<u>Coal, Dallas, Cow, Billy, Onion, Beaton, Beaver and Pleasant Valley Creeks</u>	<u>Deer Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
<u>COGUUN11</u>	<u>Coal, Dallas, Cow, Billy, Onion, Beaton, Beaver and Pleasant Valley Creeks</u>	<u>Cow Creek</u>	<u>SO₄</u>		
COGUUN12	Tributaries to Uncompahgre River, South Canal to Gunnison River	all		Se	H
<u>COGUUN12</u>	<u>Tributaries to Uncompahgre River, South Canal to Gunnison River</u>	<u>Dry Creek, Loutzenhizer Arroyo</u>		<u>Fe(Trec)</u>	<u>H</u>
COGUUN14	Sweitzer Lake	all	D.O.	Se*	H
COGUUN15b	Dry Creek from East and West Forks to Coalbank Canyon Creek	Dry Creek Watershed	sediment		
COGULD01	Dolores River from Bradfield Ranch to Little Gypsum Valley bridge	All From Disappointment Creek to San Miguel Co. Line	Temperature	Fe(Trec)	H
COGULD02	Dolores River from Little Gypsum Valley bridge to Colorado/Utah border	all	<u>E. coli</u>	Fe(Trec)	H
<u>COGULD03a</u>	<u>All tributaries to the Dolores River from the bridge at Bradfield Ranch to the Colorado/Utah border.</u>	<u>Disappointment Creek</u>		<u>Se, E. coli</u>	<u>M</u>

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COGULD04	<u>Mainstem of West Paradox Creek from the source to the confluence with the Dolores River. Mainstem and all tributaries to Blue Creek from the source to the confluence with the Dolores River.</u>	<u>West Paradox Creek</u>	<u>E. coli, Fe(Trec)</u>		
COGULD05	<u>Mainstem of West Creek from the source to the confluence with the Dolores River; Roc Creek; La Sal Creek and Mesa Creek from their sources to their confluences with Dolores River.</u>	<u>Roc Creek</u>	<u>E. coli</u>	<u>Cu, Fe(Trec)</u>	<u>H</u>
COLC	Lower Colorado River Basin				
COLCLC01	Colorado River, Roaring Fork River to-Rifle Creek	all	sediment		
COLCLC02a	Colorado River, Rifle Creek to Rapid Creek	all	sediment		
COLCLC02b	Colorado River, Rapid Creek to Gunnison River	Humphrey Backwater area		Se	M
COLCLC02b	Colorado River, Rapid Creek to Gunnison River	all	Sediment, Se		M
COLCLC03	Colorado River, Gunnison River to state line	all		Se	M
COLCLC04a	Tributaries to Colorado River, Roaring Fork to Parachute Creek except for specific segments	all		Se	M
COLCLC04a	Tributaries to Colorado River, Roaring Fork to Parachute Creek Exc. specific segments	Alkali Creek	<i>E.coli</i> , Cu, Fe(Trec), Pb, Zn		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COLCLC04b	South Canyon Hot Springs	all	D.O., <u>Pb</u>		
COLCLC04c	South Canyon Creek	all	Cu, Se, <i>E. coli</i> (May-Oct)		
COLCLC10	East Rifle Creek, West Rifle Creek and Rifle Creek, including tributaries from Rifle Gap to the Colorado River	West Rifle Creek	Fe(Trec)		
COLCLC10	East Rifle Creek, West Rifle Creek and Rifle Creek, including tributaries from Rifle Gap to the Colorado River	all	<i>E.coli</i>	Se	L
COLCLC13b	Tributaries to Colorado River from Government Highline Canal Diversion to Salt Creek	Salt Creek		sediment	L
COLCLC13b	Tributaries to Colorado River from Government Highline Canal Diversion to Salt Creek	all		Se	M
COLCLC13b	Tributaries to Colorado River from Government Highline Canal Diversion to Salt Creek	Adobe Creek, <u>Leach Creek</u>		<i>E.coli</i> , Fe(Trec)	H
COLCLC13b	Tributaries to Colorado River, Government Highline Canal to Salt Creek Exc. specific segments	Indian Wash	Fe(Trec)		
COLCLC13c	Walker Wildlife Area Ponds	all		Se	M
COLCLC14b	Clear Creek from Tom Creek to Roan Creek, Roan Creek, including tributaries from Clear Creek to the Kimball Creek	all	<i>E.coli</i> , Fe(Trec)		
COLCLC14c	Mainstem of Roan Creek including all tributaries from Kimball Creek to the Colorado River	Dry Fork		Se	L

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COLCLC15	Plateau Creek, including tributaries from source to Hwy 330 Bridge. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek and Mesa Creek.	all	Fe(Trec), Se		
COLCLC19	Lakes and reservoirs tributary to the Colorado River, Parachute Creek to the Colorado/Utah border.	See specifics to the right.	Se (Maggio Pond, Peters Ponds 1, 2, 3, & 4)	Se (West Pond Orchard Mesa Wildlife Area)	H
COLCLC20	Rifle Gap Reservoir, Harvey Gap Reservoir and Vega Reservoir	Rifle Gap Reservoir		Aquatic Life Use (Hg <u>Fish Tissue</u> FCA)	H
COLCLY02	Yampa River, Elkhead Creek to Green River	all	sediment	Fe(Trec)	H
COLCLY03c	Milk Creek and tributaries from CR 15 to the Yampa	Stinking Gulch	Cu, Fe(Trec), Se, Zn		
COLCLY03e	Good Spring Creek above Wilson Reservoir	Wilson Creek	Se		
COLCLY05	Fortification Creek from North and South Fork to the Yampa River	all		Se	L
COLCLY07	Little Bear Creek, including all tributaries from source to Dry Creek	all	Cu, Zn		
COLCLY16	Little Snake River from Power Wash to the Yampa River	all	sediment		L
COLCLY18	Slater Creek, including tributaries from source to Second Creek	all	<i>E. coli</i> , Fe (Trec),Se		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COLCLY22c	Vermillion Creek from Hwy 318 Talamantes Creek to Green River	all	<i>E.coli</i> , Fe(Trec)		
<u>COLCLY22c</u>	<u>Vermillion Creek from Hwy 318 Talamantes Creek to Green River</u>	<u>Talamantes Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COLCWH07	Mainstem of the White River from a point above the confluence with Miller Creek to a point immediately above the confluence with Piceance Creek	White River, blw Meeker	Cu		
COLCWH09a	Tributaries to the White River from North and South Forks to Piceance Creek not within the boundary of National Forest lands except segments 9b and 10b.	Strawberry Creek	Cu, Zn		
COLCWH09d	Sulfur Creek and tributaries from Source to White River. Flag Creek and tributaries from the East Fork of Flag Creek to the White River	all		Se	L
COLCWH10b	Mainstem of Big Beaver Creek, Miller Creek, and North Elk Creek, including tributaries, from their boundaries with the National Forest Lands to their confluences with the White River. Mainstem of Coal Creek, including all tributaries from the source to the confluence with the White River	Coal Creek	Se		
COLCWH11	Rio Blanco Reservoir	Rio Blanco Reservoir	pH	<u>pH</u>	<u>H</u>

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COLCWH13b	<u>Mainstem of Yellow Creek from the source to the confluence with Barcus Creek. All tributaries to Yellow Creek from the source to the White River</u>	Duck Creek		<u>Aquatic Life (provisional)</u>	<u>M</u>
COLCWH13c	<u>Mainstem of Yellow Creek from immediately below the confluence with Barcus Creek to the confluence with the White River.</u>	Yellow Creek		<u>Aquatic Life (provisional)</u>	<u>M</u>
COLCWH15	<u>Mainstem of Piceance Creek from Ryan Gulch to the confluence with the White River. The Dry Fork of Piceance Creek, from Little Reigan Gulch to Piceance Creek.</u>	Piceance Creek		<u>Aquatic Life (provisional)</u>	<u>M</u>
COLCWH16	All tributaries to Piceance Creek, including all wetlands, lakes and reservoirs, from the source to the confluence with the White River	Ryan Gulch	<i>E.coli</i>		
COLCWH20	<u>Mainstems of Black Sulphur Creek from the source to Piceance Creek.</u>	<u>Black Sulphur Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COLCWH22	Tributaries to White River, Douglas Creek to Colorado/Utah border	West Evacuation Wash, Douglas Creek		sediment	L
COLCWH23	Mainstem of East Douglas Creek and West Douglas Creek including all tributaries from their sources to the confluence	East Douglas Creek	Fe(Trec)		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COLCWH23</u>	<u>Mainstem of East Douglas Creek and West Douglas Creek including all tributaries from their sources to the confluence</u>	<u>West Douglas Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
CORG	Rio Grande River Basin				
CORGAL02	Alamosa River, from source to confl with Alum Creek	Tribs to lower Iron Ck		pH, Cu, Zn, Fe(Trec)	H
CORGAL02	Alamosa River, from source to confluence with Alum Creek	All, except for the tributaries to Lower Iron Creek	pH, Fe(Trec)		
CORGAL03b	Alamosa River, from Wightman Fork to Fern Creek	Above Jasper Creek	Se	Cd	H
CORGAL03d	Alamosa River, from Ranger Creek to Terrace Res.	all		Al	H
CORGAL08	Terrace Reservoir	all		Fe(Trec)	M
CORGAL11	La Jara Creek including tributaries, wetlands, lakes and reservoirs from source to Hot Creek	La Jara Reservoir	pH, Cu, Se, Zn	D.O.	H
CORGAL13	Hot Creek from source to La Jara Creek	all		Fe(Trec)	H
CORGAL14	Conejos River including tributaries, wetlands, lakes, and reservoirs from source to Fox Creek	Platoro Reservoir	pH		
CORGAL20	Rio Grande, tribs within the Rio Grande Forest	all	pH, Cu, Cd, Fe(Trec), Mn, Zn		
CORGC02	La Garita Creek, source to 38 Rd, Carnero Creek, source to 42 Rd	La Garita Creek	Fe(Trec)		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
CORGCB05	San Luis Creek, from Piney Creek to San Luis Lake	Lower San Luis Creek	D.O.		
CORGCB06	San Luis Lake	all		NH ₃ , Fe(Trec)	H
CORGCB08	Kerber Creek, source to abv Cocomongo Mill Site, Squirrel Creek from source to abv Bear Creek. Brewery Creek from source to Elkhorn Gulch	Squirrel Creek	Cd, Cu, Zn, Fe(Trec)		
CORGRG02	Rio Grande River, source to Willow Creek	South Clear Creek	Fe(Trec)	<u>Aquatic Life (provisional)</u>	<u>H</u>
CORGRG04	Rio Grande River, Willow Creek to Alamosa County line	Del Norte to county line		Cu	H
CORGRG05	All tributaries to the Rio Grande River, abv Willow Creek to Del Norte	Nelson Creek	Cd, Cu, Pb, Mn, Zn, pH		
CORGRG07	West Willow Creek, East Willow Creek, Willow Creek and tributaries	Nelson Creek, West Willow Creek below Nelson Creek to East Willow Creek		pH	H
CORGRG09	South Fork of Rio Grande, from source to Rio Grande	Beaver Creek Reservoir	D.O.		H
<u>CORGRG12</u>	<u>Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to the Old State Bridge east of Lobatos (Conejos County Road G).</u>	<u>all</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
CORGRG13	Rio Grande River, Conejos County Road G to Colorado/New Mexico border	all	sediment		
CORGRG27	Smith Reservoir	Smith Reservoir	pH		
CORGRG28	Rito Seco, from source to Salazar Reservoir	Upper Rito Seco blw Battle Mtn		<i>E.coli</i>	H

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CORGRG30	Culebra Creek, including all tributaries, lakes, and reservoirs from HWY 159 to the Colorado/New Mexico border	Sanchez Reservoir		D.O.	H
COSJ	San Juan River Basin				
<u>COSJAF03c</u>	<u>Arrastra Gulch including all lakes, tributaries, and wetlands from the source to the confluence with the Animas River.</u>	<u>all</u>	<u>Pb</u>	<u>Cd, Zn</u>	<u>M</u>
<u>COSJAF04a</u>	<u>Mainstem of the Animas River from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.</u>	<u>all</u>		<u>Al(Trec)</u>	<u>M</u>
<u>COSJAF05a</u>	<u>Mainstem of the Animas River, including wetlands, from Bakers Bridge to the Southern Ute Indian Reservation boundary.</u>	<u>all</u>	<u>Zn</u>	<u>Mn(WS)</u>	<u>H</u>
<u>COSJAF12a</u>	<u>All tributaries to the Animas River, from a point immediately above the confluence with Elk Cr. to a point immediately below the confluence with Hermosa Cr. All tributaries to the Florida from the source to the outlet of Lemon Reservoir Mainstems of True, Red and Shearer Creeks from their sources to their confluences with the Florida River.</u>	<u>Electra Reservoir</u>	<u>Ag, Zn</u>		
<u>COSJAF13a</u>	<u>Mainstem of Junction Creek including all tributaries, from U.S. Forest Boundary to confluence with Animas River.</u>	<u>Junction Creek</u>	<u>Ag, E. coli</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COSJAF13c	<u>All tributaries to the Animas River from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border; all tributaries to the Florida River from the Southern Indian Reservation boundary to the confluence with the Animas River</u>	<u>Salt Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COSJDO04b	McPhee Reservoir and Summit Reservoir	McPhee Reservoir		<u>Aquatic Life Use(Hg* Fish Tissue FCA)</u>	<u>H</u>
COSJDO11	<u>All tributaries to the Dolores River, from the confluence of the West Dolores River, to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line)</u>	<u>Lost Canyon Creek</u>	<u>E. coli</u>		
COSJLP01	<u>Mainstem of the La Plata River, from the source to the Hay Gulch diversion south of Hesperus</u>			<u>Ag</u>	<u>H</u>
COSJLP03a	All Tributaries to the La Plata River from Hay Gulch to the Southern Ute Indian reservation boundary	Cherry Creek	<u>Cu</u>	Fe(Trec)	<u>H</u>
COSJLP04a	Mancos River and tributaries above HWY 160	E. Mancos River	<u>Pb</u>	<u>Cu,D.O., Mn (WS)</u>	<u>H</u>
COSJLP04a	<u>Mancos River and tributaries above HWY 160</u>	<u>Mancos River</u>	<u>Cu, Pb</u>	<u>D.O.,</u>	<u>H</u>
COSJLP05a	<u>Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation and mainstem of Weber Canyon from source to confluence with Mancos River.</u>	<u>Mancos River</u>	<u>Cd</u>		

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<u>COSJLP06a</u>	<u>All tributaries to the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation</u>	<u>Chicken Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
<u>COSJLP07a</u>	<u>Mainstem of McElmo Creek from the source to the Colorado/Utah border; Mainstem of Yellow Jacket Creek from the source to the confluence with McElmo Creek.</u>	<u>McElmo Creek</u>		<u>Fe-Trec, E. coli</u>	<u>H</u>
<u>COSJLP08a</u>	<u>Tributaries to McElmo Creek</u>	<u>Mud Creek</u>		<u>Se</u>	<u>M</u>
<u>COSJLP08a</u>	<u>Tributaries to McElmo Creek</u>	<u>all Hartman Draw</u>	<u>Fe(Trec)</u>		
<u>COSJLP08a</u>	<u>Tributaries to McElmo Creek</u>	<u>Trail Canyon</u>		<u>Fe(Trec)</u>	<u>M</u>
<u>COSJLP08a</u>	<u>Tributaries to McElmo Creek</u>	<u>all</u>	<u>E. coli</u>		
<u>COSJLP11</u>	<u>Narraguinnep, Puett, and Totten Reservoir</u>	<u>Narraguinnep Reservoir, Totten Reservoir</u>		<u>Aquatic Life Use(Hg* Fish Tissue FGA)</u>	<u>H</u>
<u>COSJPI05</u>	<u>All tributaries to the Piedra River, including all wetlands, lakes and reservoirs, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Devil Creek. Williams Creek Reservoir.</u>	<u>Williams Creek Reservoir</u>	<u>pH, Zn, Fe(Trec), D.O.</u>		
<u>COSJPI05</u>	<u>All tributaries to the Piedra River, from the boundary of the Weminuche Wilderness Area to the confluence with Devil Creek. Williams Creek Reservoir.</u>	<u>Williams Creek</u>	<u>pH, Cu</u>		
<u>COSJPI06a</u>	<u>Tributaries to the Piedra River</u>	<u>Stollsteimer Creek above Southern Ute Boundary</u>	<u>Sediment, E. coli, Fe(Trec), SO₄</u>		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COSJPN01</u>	<u>All tributaries to the Los Pinos River which are within the Weminuche Wilderness Area.</u>	<u>Lost Creek</u>	<u>pH</u>		
COSJPN03	Vallecito Reservoir	Vallecito Reservoir		Aquatic Life Use (Hg <u>Fish Tissue FCA</u>)	H
<u>COSJSJ01</u>	<u>Mainstem of the Navajo River and the Little Navajo River from the boundary of the South San Juan Wilderness Area to the Colorado/New Mexico border</u>	<u>Navajo River</u>	<u>E. coli</u>		
COSJSJ03	Little Navajo River, including tributaries from the San Juan-Chama diversion to the San Juan River	all	<i>E.coli</i>		
<u>COSJSJ05</u>	<u>Mainstem of the San Juan River and the East Fork and West Fork of the San Juan River, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to Fourmile Creek</u>	<u>Mainstem</u>	<u>Pb, E. coli</u>		
<u>COSJSJ06a</u>	<u>San Juan River from Fourmile Creek to Southern Ute Indian Reservation. Mill Creek from source to San Juan River. Echo Canyon Reservoir.</u>	<u>San Juan River</u>	<u>Pb, Cu</u>		
COSJSJ06a	San Juan River from Fourmile Creek to Southern Ute Indian Reservation. Mill Creek from source to San Juan River. Echo Canyon Reservoir.	Echo Canyon Reservoir	<u>pH</u>	<u>D.O. (Temperature)</u> Aquatic Life Use (Hg <u>Fish Tissue FCA</u>)	<u>H</u>
COSJSJ08	Navajo Reservoir	Navajo Reservoir	Aquatic Life Use (Hg <u>Fish Tissue FCA</u>)		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COSJSJ09a</u>	<u>Mainstem of the Rio Blanco from the boundary of South San Juan Wilderness Area to the Southern Ute Indian Reservation boundary</u>		<u>Ag, Pb</u>		
<u>COSJSJ10</u>	<u>Mainstem of the Rio Blanco River from Echo Ditch to the confluence with the Rio Blanco River.</u>		<u>E. coli</u>		
COSP	South Platte River Basin				
COSPBD01	Mainstem of Big Dry Creek, including all tributaries, lakes, reservoirs and wetlands, from the source to the confluence with the South Platte River	all		<i>E. coli</i> , <u>Se (11/1 thru 3/31)</u> <u>(4/1 thru 10/31)</u>	H/L
COSPBD02	Standley Lake	all	D.O.		
<u>COSPBE01a</u>	<u>Mainstem of Bear Creek from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake.</u>	all		<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPBE01c	Bear Creek Reservoir	all	D.O.	Chl-a, phosphorus	H
<u>COSPBE01e</u>	<u>Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.</u>	all		<u>Temperature,</u> <u>Aquatic Life</u>	<u>H</u>
COSPBE02	Bear Creek below Bear Creek Reservoir to South Platte River	Below Kipling Parkway (CO 390)		<i>E.coli</i> (May-Oct), <u>Aquatic Life (provisional)</u>	H
COSPBE05	Swede, Kerr, Sawmill, Troublesome and Cold Springs Gulches and Cub Creek	Swede/Kerr Gulch		<i>E.coli</i>	L
COSPBO01	All tribs to Boulder Creek within the Indian Peaks Wilderness Area	all	Pb, Zn		

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COSPBO02a	Mainstem of Boulder Creek, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek	all	Cd, Cu		
COSPBO02b	Mainstem of Boulder Creek, from below the confluence with North Boulder Creek to above the confluence with South Boulder Creek	below 13 th Street in Boulder		<i>E. coli</i>	H
COSPBO02b	Boulder Creek, from below the confluence with North Boulder Creek to above the confluence with South Boulder Creek	all	Cd, Cu		
COSPBO03	Mainstem of Middle Boulder Creek from source to the outlet of Barker Reservoir	all	Cd, Cu		
COSPBO04a	South Boulder Creek and tributaries from source to outlet of Gross Reservoir	Gamble Gulch		Cd	H
<u>COSPBO04a</u>	<u>South Boulder Creek and tributaries from source to outlet of Gross Reservoir</u>	<u>Gross Reservoir</u>	<u>Aquatic Life Use (Hg Fish Tissue)</u>		
COSPBO07b	Coal Creek, HWY 36 to Boulder Creek	all		<i>E. coli</i> , <u>Aquatic Life (provisional)</u>	H
COSPBO08	All tribs to South Boulder Creek and all tribs to Coal Creek	Rock Creek	<i>E. coli</i>	Se	M
COSPBO09	Mainstem of Boulder Creek, from South Boulder Creek to Coal Creek	all	Aquatic Life , Cd, As	<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	all	Aquatic Life, Cd	<i>E. coli</i>	H

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COSPBO14	Lakes and reservoirs tributary to Boulder Creek from source to South Boulder Creek.	Barker Reservoir	D.O., Cd, Cu		
COSPBT01	Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park.	all		Cu	H
COSPBT02	Big Thompson River and tribs, RMNP to Home Supply Canal diversion	Fish Creek below Marys Lake		pH	H
COSPBT02	Big Thompson River and tribs, RMNP to Home Supply Canal diversion	all	Sulfide	Cu, Cd, Zn, <u>Temperature</u> , <u>Aquatic Life</u>	H
COSPBT03	Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.	all		Cu	M
COSPBT04a	Mainstem of the Big Thompson from the Big Barnes Ditch diversion of the Greeley-Loveland Canal diversion.	all		Se	M
COSPBT04b	Big Thompson River, Greeley-Loveland Canal diversion to CR11H	all		Se	M
COSPBT05	Big Thompson River, I-25 to S. Platte River	all		Se	L
COSPBT06	All tributaries to the Big Thompson River, from Home Supply Canal to the confluence with the South Platte River.	all		Cu	M

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COSPBT06	All Tribs to the Big Thompson River, from Home Supply Canal to the confluence with the South Platte River.	Dry Creek	<i>E. coli</i>		
COSPBT07	Mainstem of the North Fork of the Big Thompson from RMNP to confluence with Big Thompson	North Fork of Big Thompson		Cu	H
COSPBT08	Mainstem of the Little Thompson River, from source to the Culver Ditch diversion.	all		Temperature, D.O	H
<u>COSPBT08</u>	<u>Mainstem of the Little Thompson River, from source to the Culver Ditch diversion.</u>	<u>From source to St. Vrain Supply Canal</u>		<u>SO₄</u>	<u>H</u>
COSPBT09	Little Thompson River, Culver Ditch to Big Thompson River	all		Cu, Se, <i>E. coli</i> (May-October), Aquatic Life Use	M/L/H/M
COSPBT10	Tributaries To the Little Thompson River	Big Hollow		Se	L
COSPBT11	Carter Lake	all	Cu, As	Aquatic Life Use (Hg <u>Fish Tissue</u> FCA), <u>As</u>	H
COSPBT12	Lake Loveland, Horseshoe Lake, Boyd Lake	Boyd Lake		Aquatic Life Use (Hg <u>Fish Tissue</u> FCA)	H
COSPBT12	Lake Loveland, Horseshoe Lake, Boyd Lake	all	D.O.		
COSPBT14	Welch Reservoir, Lonetree Reservoir, Boedecker Lake, Lon Hagler Reservoir	Lon Hagler Reservoir and Lonetree Reservoir	D.O.		
COSPBT14	Welch Reservoir, Lonetree Reservoir, Boedecker Lake, Lon Hagler Reservoir	Lonetree Reservoir	Aquatic Life Use (Hg Fish Tissue)		

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COSPBT16	Lakes and reservoirs tributary to the Big Thompson from RMNP to Home Supply Canal diversion.	Lake Estes	Pb, As	Cu, <u>Pb</u>	H
COSPCH02	Cherry Creek Reservoir	all	D.O.		
COSPCH03	Mainstem of Cherry Creek from Cherry Creek Reservoir to the South Platte.	all		<i>E.coli</i> , Se	H/L
<u>COSPCH03</u>	<u>Mainstem of Cherry Creek from Cherry Creek Reservoir to the South Platte.</u>	<u>From Holly Street to South Platte confluence</u>		<u>Fe(Trec)</u>	<u>M</u>
COSPCH04	Tributaries to Cherry Creek	Goldsmith Gulch, Cottonwood Creek		Se	L
COSPCH06	Lakes and reservoirs in the Cherry Creek watershed within the City and County of Denver.	Lollipop Lake	Se	<u>D.O.</u>	<u>M</u>
<u>COSPCL01</u>	<u>Mainstem of Clear Creek, including all tributaries and wetlands, from the source to the I-70 bridge above Silver Plume.</u>	<u>Kearney Gulch, Grizzly Gulch</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPCL02a	Mainstem of Clear Creek from Silver Plume to West Fork Clear Creek.	all		Cd	H
COSPCL02b	Mainstem of Clear Creek from West Fork Clear <u>Creek</u> to Mill Creek.	all		Cd, Zn	H
COSPCL02c	Mainstem of Clear Creek from Mill Creek to Argo Tunnel.	all		Cd	H
COSPCL03a	Mainstem of S. Clear Creek	all		Cu	H

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COSPCL03b	Leavenworth Creek	all		Cu	M
COSPCL06	West Clear Creek tributaries	Mad Creek	pH	Zn	M
COSPCL06	All tributaries to West Clear Creek.	Hoop Creek	Cd, Pb, Zn		
COSPCL09a	Fall River & tributaries, source to Clear Creek	Fall River	Zn, D.O.		
COSPCL09a	Fall River & tributaries, source to Clear Creek	Silver Creek		Cu, Pb	H
COSPCL09b	Trail Creek & tributaries, source to Clear Creek	all		Cd, pH	H
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	all		Cd	H
COSPCL13b	N. Clear Creek & tributaries, lowest water supply intake to Clear Creek	Mainstem of N. Clear Creek		Cd	M
COSPCL14a	<u>Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to the Denver Water conduit #16 crossing.</u>	<u>all</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COSPCL14b	Clear Creek, Denver Water conduit #16 to Youngfield St.	all	Mn	Aquatic Life Use, organic sediment,	L
COSPCL15	Clear Creek, Youngfield St. to S. Platte River	all	Pb	<i>E. coli</i> (May-October), Aquatic Life Use, organic sediment, <u>Mn (WS)</u>	H/L/L
COSPCL17a	Arvada Reservoir	all		D.O. (<u>T</u> emperature)	H
COSPCL17b	<u>Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.</u>	<u>all</u>		<u>U</u>	<u>H</u>

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COSPCL18a	Ralston Creek and tributaries below Arvada Reservoir	Ralston Creek		<i>E. coli</i>	H
COSPCP06	Mainstem of the North Fork of the Cache La Poudre River, including all tribs from source to Halligan Res.	all	Cu		
COSPCP07	North Fork of the Cache la Poudre from Halligan Reservoir to the Cache la Poudre.	all		Pb, Cd	M
COSPCP08	All tributaries to the North Fork of the Cache La Poudre from Halligan Reservoir to the Cache La Poudre.	all	<i>E. coli</i>		
COSPCP09	Rabbit Creek and Lone Pine Creek	all	Cd, Pb		
COSPCP10	Cache la Poudre River, Monroe Canal to Shields Street	all	Aquatic Life Use	Cu, <u>T</u> emperature	M
COSPCP11	Mainstem of the Cache la Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.	all		Se	L
COSPCP12	Cache la Poudre River, Box Elder Creek to S. Platte River	all		Se, <i>E. coli</i> (May-October)	L/H
COSPCP13a	All tributaries to the Cache la Poudre River, including all wetlands, from the Monroe Gravity Canal to the confluence with the South Platte River.	all		Se	L

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COSPCP13a	All tributaries to the Cache la Poudre River, including all wetlands, from the Monroe Gravity Canal to the confluence with the South Platte River.	Spring Creek and Fossil Creek		<i>E.coli</i> , (May-Oct)	H
COSPCP13b	Boxelder Creek from source to the Cache la Poudre River	all		Se	L
COSPCP14	Horsetooth Reservoir	all	Cu, As, D.O.	Aquatic Life Use (Hg <u>Fish Tissue FCA</u>), <u>Cu, As</u>	H
COSPCP20	Lakes and reservoirs tributary to the North Fork of the Cache la Poudre from Halligan Reservoir to the Cache la Poudre River.	Seaman Reservoir		D.O.	M
COSPLA02a	Mainstem of Laramie River from the source to the NF boundary.	all	pH		
COSPLS01	Mainstem of the South Platte from the Weld/Morgan County line to the Colorado/Nebraska border.	all	Aquatic Life Use	Se, Mn	M
COSPLS02b	Tributaries to S Platte River, Beaver Creek, Bijou Creek and Kiowa Creek	Beaver Creek		Se, <i>E. coli</i>	H
COSPLS03	Jackson, Prewitt, North Sterling, Jumbo, Riverside, Empire and Vancil Reservoirs	North Sterling	D.O.		
COSPLS03	Jackson, Prewitt, North Sterling, Jumbo, Riverside, Empire and Vancil Reservoirs	North Sterling, Jackson and Jumbo Reservoirs	Se, pH		
<u>COSPLS03</u>	<u>Jackson, Prewitt, North Sterling, Jumbo, Riverside, Empire and Vancil Reservoirs</u>	<u>Jackson Reservoir</u>		<u>pH</u>	<u>H</u>

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COSPMS01a	South Platte River from Big Dry Creek to St. Vrain Creek	all		<i>E.coli</i>	H
COSPMS01b	South Platte River from St. Vrain Creek to Weld/Morgan County Line	all		Se	L
COSPMS04	Barr Lake and Milton Reservoir	all <u>Milton Reservoir</u>		D.O., pH, NH ₃ ,	M/L
COSPMS04	Barr Lake and Milton Reservoir	Barr Lake	D.O.	pH, NH ₃ , <u>D.O.</u>	M
COSPMS07	All lakes and reservoirs trib to the South Platte River below Big Dry Creek to Weld/Morgan County Line	Horse Creek Reservoir	D.O.	pH, NH ₃ ,	L
COSPMS07	All lakes and reservoirs in watershed tributary to the South Platte from Chatfield to Big Dry Creek.	Prospect Lake		D.O., pH, NH ₃	M
COSPRE04	Mainstem of Arikaree River from the confluence of the North and South Forks to the Kansas border.	all		<i>E.coli</i>	H
COSPRE05	Mainstem of the Black Wolf Creek from the source to the confluence with the Arikaree River.	all	<i>E. coli</i> , Se		
COSPSV02a	Mainstem of St. Vrain from Indian Peaks Wilderness Area and RMNP to eastern boundary of Roosevelt Ntl Forest	all		Zn	H
COSPSV02b	St. Vrain Creek, RMNP to Hygiene Road	all		Cu, <u>Temperature</u>	H
COSPSV03	St. Vrain Creek, Hygiene Rd. to S. Platte River	all	Aquatic Life Use,	<u>Aquatic Life Use (provisional)</u>	<u>H</u>

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COSPSV04a	Left Hand Creek, from source to blw confluence with James Creek	pH, Cu, Zn (Hwy 72 to James Ck);		pH, Cu, Zn	M
COSPSV04b	James Creek, Little James Creek	Little James Creek		Cu, Pb	M
COSPSV04c	Left Hand Creek from James Creek to HWY 36	all		Cu, As	H
<u>COSPSV05</u>	<u>Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to the confluence with St. Vrain Creek.</u>	<u>Upstream Lefthand Feeder Canal</u>		<u>Mn (WS)</u>	<u>L</u>
<u>COSPSV05</u>	<u>Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to the confluence with St. Vrain Creek.</u>	<u>Downstream Lefthand Feeder Canal</u>		<u>Cu</u>	<u>M</u>
COSPSV06	Tributaries to the St Vrain River	Dry Creek		<i>E. coli</i>	H
COSPSV06	Tributaries to the St Vrain River	all		Se	L
COSPSV07	Boulder Reservoir, Coot Lake, Left Hand Valley Reservoir	Boulder Reservoir	D.O.		
COSPSV09	All lakes and reservoirs tributary to St. Vrain from sources to Hygiene Road.	Union Reservoir	D.O.		
COSPSV13	All lakes and reservoirs tributary to Left Hand Creek from Hwy 36 to St. Vrain Creek.	Lake Thomas	D.O.		
COSPUS02a	Tributaries to S. Platte River, source to Tarryall Creek	Salt Creek d/s of N. Fork, on USFS Land	<u>T</u> emperature		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COSPUS02a	Tributaries to S. Platte River, source to Tarryall Creek	Twin Creek, on USFS Land	Temperature		
<u>COSPUS02a</u>	<u>Tributaries to S. Platte River, source to Tarryall Creek</u>	<u>S. Fork of S. Platte below Antero Reservoir</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPUS02b	Mosquito Creek from South Mosquito Creek to the Middle Fork of the South Platte.	all		Cd	H
COSPUS02c	South Mosquito Creek from the source to the confluence with Mosquito Creek and No Name Creek from -the source to the confluence with Mosquito Creek	No Name Creek		Cd, Zn	H
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Trout Creek and tributaries on USFS property		sediment* <u>Aquatic Life</u>	<u>MH</u>
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Pine Creek		As	H
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	Pine Creek, on USFS Land	sediment		
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Fourmile Creek		Fe(trec), As, Hg	H
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Sugar Creek, on USFS Land	sediment		
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	Hawkins Gulch	Cd, Se		

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COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	Horse Creek	D.O., Fe(trec)	<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	West Creek	As, Hg		
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	Goose Creek	D.O.		
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N. Fk. S. Platte River	Trail and Wigwam Creeks	Fe(trec)		
COSPUS04	N. Fk. S. Platte River & Tributaries, source to S.Platte R	Hall Valley area to Geneva Ck		pH	H
COSPUS05a	Geneva Creek above Scott Gomer Creek	all		Cd, Cu, Zn	H
COSPUS05b	Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	all		Cd	H
COSPUS05c	Gooseberry Gulch and all tributaries from source to confluence with Elk Creek.	Unnamed Tributary to Gooseberry Creek		NH ₃	M
<u>COSPUS06a</u>	<u>Mainstem of the South Platte River from the outlet of Cheesman Reservoir to the inlet of Chatfield Reservoir.</u>	<u>South Platte River</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPUS07	Tributaries to the South Platte from the North Fork of the South Platte to the outlet of Chatfield Reservoir.	Willow Creek	Fe(Trec), Se		

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COSPUS09	Mainstem of Bear Creek, including all tributaries and wetlands from the source to the inlet of Perry Park Reservoir (Douglas County).	Bear Creek	D.O.		
COSPUS10a	<u>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.</u>	<u>West Plum Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COSPUS11a	Tributaries to East Plum Creek which are not on national forest lands.	all	pH, Fe(Trec)		
COSPUS11a	<u>Tributaries to East Plum Creek which are not on national forest lands.</u>	<u>Cook Creek</u>		<u>Aquatic Life (provisional)</u>	<u>M</u>
COSPUS11b	Tributaries to W. Plum Creek, not on USFS Land	Spring Creek, Bear Creek	Aquatic Life Use		
COSPUS12	Garber and Jackson Creeks	Jackson Creek	Pb		
COSPUS14	S. Platte River	all		As, <u>Aquatic Life</u>	H
COSPUS15	S. Platte River, Burlington Ditch to Big Dry Creek	all		<i>E. coli</i>	H
COSPUS15	S. Platte River, Burlington Ditch to Big Dry Creek	Burlington Ditch to Clear Creek		Cd	H
COSPUS15	<u>S. Platte River, Burlington Ditch to Big Dry Creek</u>	<u>From 160th Avenue to Big Dry Creek confluence</u>	<u>Fe-Trec</u>		
COSPUS16a	Sand Creek	all		Se, <i>E. coli</i>	L/H
COSPUS16b	Aurora Reservoir	all	D.O.		

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COSPUS16c	Tributaries to S. Platte River, Chatfield Reservoir to Big Dry Creek except specific listings	all		Se	L
COSPUS16c	Tributaries to S. Platte River, Chatfield Reservoir to Big Dry Creek except specific listings	Westerly Creek, Dry Creek		<i>E. coli</i>	H
COSPUS16c	Tributaries to S. Platte River, Chatfield Reservoir to Big Dry Creek except specific listings	Weir Gulch, <u>Sanderson Gulch, Humble Creek</u>	<i>E. coli</i>		
COSPUS16c	Tributaries to S. Platte River, Chatfield Reservoir to Big Dry Creek except specific listings	Harvard, Harvard West, and Lakewood Gulches		<i>E. coli</i> (May-Oct)	H
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Berkeley Lake, Rocky Mountain Lake		Aquatic Life Use (Hg <u>Fish Tissue FCA</u>)	H
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Rocky Mountain Lake	pH, Cu	<u>pH, Cu, D.O.</u>	<u>H</u>
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Ferril Lake, Smith Lake	pH	<u>pH</u>	<u>H</u>
<u>COSPUS17a</u>	<u>Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake</u>	<u>Smith Lake</u>		<u>NH₃</u>	<u>H</u>
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Grasmere Lake	Cu		
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Berkeley Lake		D.O., As	<u>LH</u>
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkeley Lake	Duck Lake	pH, NH ₃	D.O., <u>pH, NH₃</u>	<u>MH</u>

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COSPUS17b	Sloan's Lake	all	Fe (Trec)	D.O.	H
COSPUS19	Lakes and reservoirs tributary to the Upper South Platte River from headwaters to Chatfield Reservoir.	Tarryall Reservoir, Cheesman Reservoir, Elevenmile Reservoir, Spinney Mountain Reservoir	D.O.		
COSPUS22	Lakes and reservoirs tributary to the Upper South Platte River from Chatfield Reservoir to Big Dry Creek.	Marston Reservoir, Quincy Reservoir, Horse Creek	D.O.		
COSPUS223	All lakes and reservoirs in watershed tributary to the South Platte from Chatfield to Big Dry Creek.	Barnum Lake		<i>E.coli</i> , D.O.	L
COSPUS23	Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.	Vanderbilt Lake	D.O.		
COSPUS23	Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.	Overland Lake, Parkfield Lake, Rocky Mountain Lake, Houston Lake, Duck Lake, Aqua Golf Lake	pH		
COSPUS23	Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.	Garfield Lake, Harvey Lake, Aqua Golf Lake	Fe(trec)		
COSPUS23	Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.	Duck Lake, Garfield Lake, Harvey Lake, Parkfield Lake, Houston Lake		D.O.	M

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COSPUS23</u>	<u>Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.</u>	<u>Aqua Golf Lake, Huston Lake, Overland Lake, Parkfield Lake</u>		<u>pH</u>	<u>M</u>
<u>COSPUS23</u>	<u>Lakes and reservoirs in the Upper South Platte watershed within the City and County of Denver.</u>	<u>Huston Lake</u>	<u>E. coli</u>		
COUC	Upper Colorado River Basin				
<u>COUCBL02a</u>	<u>Mainstem of the Blue River from the confluence with French Gulch to a point one half mile below Summit County Road 3.</u>	<u>all</u>		<u>Mn(WS)</u>	<u>L</u>
COUCBL04a	All direct tributaries to Dillon Reservoir and all tributaries and wetlands in the Blue River drainage above Dillon Reservoir.	Gold Run Gulch below Jessie Mine	Cd, Zn		
<u>COUCBL12</u>	<u>Illinois Gulch and Fredonia Gulch</u>	<u>Illinois Gulch</u>		<u>Cd</u>	<u>M</u>
<u>COUCBL17</u>	<u>Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.</u>	<u>Blue River</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCBL20	Mainstem of Elliott Creek and Spruce Creek including all tributaries and wetlands from their sources to the confluence with the Blue River	Spruce Creek	Fe(Trec)		
COUCEA05c	Eagle River, Martin Creek to Gore Creek	all		Cd	H
COUCEA06	Tributaries to Eagle River, Belden to Lake Creek, except specific segments	Black Gore Creek, adjacent to I-70		Sediment, <u>Aquatic Life</u>	H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COUCEA06	<u>Tributaries to Eagle River, Belden to Lake Creek, except specific segments</u>	<u>Beaver Creek, Lake Creek, Red Sandstone Creek, Gore Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCEA08	<u>Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.</u>	<u>all</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCEA09a	<u>Mainstem of the Eagle River from Gore Creek to a point immediately below the confluence with Rube Creek.</u>	<u>all</u>		<u>Temperature, Aquatic Life, Sediment</u>	<u>H</u>
COUCEA10a	All tributaries to the Eagle River from Lake Creek to the Colorado River.	Eby Creek	Se		
COUCNP01	Tribes to the N Platte & Encampment Rivers w/in Wilderness Areas	South Fork Big Creek	Cu, <i>E.coli</i>		
COUCNP04a	Tributaries to the North Platte River except those tributaries in Segment 1, 4b, 6, 7a and 7b.	Canadian River	Fe(Dis), <i>E. coli</i>		
COUCNP04a	All tributaries to N. Platte River except segments 4b, 6, 7a and 7b	Grizzly Creek, Little Grizzly Creek	Aquatic Life Use		
COUCNP04a	<u>All tributaries to N. Platte River except segments 4b, 6, 7a and 7b</u>	<u>Snyder Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCNP04a	All tributaries to N. Platte River except segments 4b, 6, 7a and 7b	Little Grizzly Creek	<i>E.coli</i> , Fe(Trec)		
COUCNP04a	All tributaries to N. Platte River except segments 4b, 6, 7a and 7b	Lake Creek	pH, Fe(Trec)		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COUCNP04a</u>	<u>All tributaries to N. Platte River except segments 4b, 6, 7a and 7b</u>	<u>Big Creek Reservoir</u>	<u>Aquatic Life Use (Hg Fish Tissue)</u>		
COUCNP04b	Mainstem of the Illinois and Canadian Rivers, including all tributaries of the Illinois from Indian Creek to Michigan River except for specific listings in Segments 7a and 7b, and all tribs of Canadian entering the mainstem from the Southwest.	Illinois River		Fe (Trec)	M
COUCNP07b	Government Creek, Spring Creek	Spring Creek		D.O.	M
COUCNP09	All lakes and reservoirs tributary to the North Platte and Encampment Rivers	Lake John, North Delaney Lake	pH		
<u>COUCNP09</u>	<u>All lakes and reservoirs tributary to the North Platte and Encampment Rivers</u>	<u>Lake John</u>		<u>D.O.</u>	<u>H</u>
COUCRF03a	Roaring Fork including all tributaries and wetlands from Hunter Creek to the Colorado River except segments 3b through 10	Capitol Creek	Se		
<u>COUCRF03a</u>	<u>Roaring Fork including all tributaries and wetlands from Hunter Creek to the Colorado River</u>	<u>Roaring Fork below Aspen, Cattle Creek, West Sopris Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCRF03b	Red Canyon Creek including all tributaries and wetlands from the source to the Roaring Fork except Landis Creek from source to Hopkins Ditch Diversion	Landis Creek	Fe(Trec)		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
<u>COUCRF04</u>	<u>Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.</u>	<u>Brush Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
<u>COUCRF07</u>	<u>All tributaries to the Fryingpan River</u>	<u>South Fork Frying Pan River</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCRF10	Thompson Creek including all tributaries and wetlands from the source to the Crystal River	Thompson Creek	Fe(Trec)		
<u>COUCUC02</u>	<u>Mainstem of the Colorado River, including all tributaries and wetlands within or flowing into Arapahoe National Recreation Area.</u>	<u>Willow Creek Reservoir</u>		<u>Mn</u>	<u>L</u>
COUCUC03	Mainstem of the Colorado River from Lake Granby to the Roaring Fork River.	From 578 Road Bridge to just above the confluence with the Blue River		Temperature, <u>Mn(WS)</u>	H
COUCUC04	Tributaries to the Colorado River from Lake Granby to the Roaring Fork River which are on National Forest lands.	Ranch Creek		Temperature	H
COUCUC05	Lakes and Reservoirs tributary to the Colorado River from RMNP/ANRA to the Roaring Fork not on National Forest	Wolford Mountain Reservoir	D.O.		
COUCUC06b	Mainstem of unnamed tributary from the headwaters to Willow Creek Reservoir Road	all	D.O.		

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COUCUC07a	All tribs to the Colorado River, including wetlands from a point abv the confluence with the Blue River to blw confluence with the Roaring Fork, which are not on National Forest Lands except specific listings in segment 7b.	Alkali Slough		Fe (Trec), Se	L
COUCUC07a	<u>All tribs to the Colorado River, from a point abv the confluence with the Blue River to blw confluence with the Roaring Fork, which are not on National Forest Lands</u>	<u>Big Alkali Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCUC07a	All tribs to the Colorado River, including wetlands from a point abv the confluence with the Blue River to blw confluence with the Roaring Fork, which are not on National Forest Lands except specific listings in segment 7b.	Muddy Creek and tribs	Temperature		
COUCUC07b	Muddy Creek from Wolford Mountain Reservoir. Rock Creek, Deep Creek, Sheephorn Creek Sweetwater Creek and Piney River.	Muddy Creek from Wolford Mountain Reservoir to Cow Gulch	Temperature		
COUCUC07b	Muddy Creek from Wolford Mountain Reservoir. Rock Creek, Deep Creek, Sheephorn Creek Sweetwater Creek and Piney River.	Muddy Creek from Cow Gulch to the Colorado River		Temperature	H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COUCUC10a	<u>Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge. All tributaries to the Fraser River, from the source to the the Colorado River</u>	<u>Fraser River, Vasquez Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCUC10a	<u>Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge. All tributaries to the Fraser River, from the source to the the Colorado River</u>	<u>Ranch Creek</u>		<u>Temperature</u>	<u>H</u>
COUCUC10c	Mainstem of the Fraser River from Hammond Ditch to the Colorado River.	all		Temperature	H
COUCUC10c	Mainstem of the Fraser River, from the Hammond Ditch to the confluence with the Colorado River	From the Town of Fraser to the confluence with the Colorado River.	Cu		
<u>COUCUC10c</u>	<u>Mainstem of the Fraser River, from the Hammond Ditch to the confluence with the Colorado River</u>	<u>From the Town of Tabernash to the Town of Granby</u>	<u>Pb</u>	<u>pH</u>	<u>H</u>
COUCUC12	Colorado River and tributaries, wetlands, lakes and reservoirs within Arapahoe National Recreation Area	Shadow Mountain Lake		D.O.	H
COUCUC12	Lakes and Reservoirs within Arapahoe National Recreation Area including Grand Lake, Shadow Mountain Lake and Lake Granby	Lake Granby		Aquatic Life Use (Hg <u>Fish Tissue FGA</u>)	H

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COUCYA02a	Mainstem of the Yampa River from Wheeler Creek to Oak Creek.	Yampa River below Stagecoach Reservoir	Mn, Se		
COUCYA02b	All lakes and reservoirs tributary to the Yampa River, Elkhead Creek, and the Little Snake River.	Elkhead Reservoir, Catamount		Aquatic Life Use (Hg <u>Fish Tissue</u> FCA)	H
COUCYA02b	Stagecoach Reservoir	all	D.O.		
COUCYA02c	Yampa River from Oak Creek to Elkhead Creek	all	<u>T</u> emperature		
COUCYA03	All tributaries to Yampa River except for specific listings, on USFS land	Bushy Creek		Sediment	L
COUCYA03	All tributaries to Yampa River except for specific listings, on USFS land	Walton Creek	Mn		
COUCYA03	All tributaries to Yampa River except for specific listings, on USFS land	Little Morrison Creek	Zn, Fe(dis)		
COUCYA04	Little White Snake Creek, source to Yampa River	all	D.O.		
COUCYA08	Elk River source to Yampa River	Elk River below Morin Ditch		<i>E.coli</i>	H
COUCYA08	Elk River including tributaries and wetlands from the source to Yampa River	Lost Dog Creek	Hg		
COUCYA13b	Foidel Creek and tributaries, Fish Creek, Middle Creek and tributaries	Fish Creek	<i>E.coli</i>		
COUCYA13d	Dry Creek including all wetlands and tributaries from source to the Yampa River	Below Seneca sample location 8 (WSD5)		Se	L

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COUCYA13d	Dry Creek including all tributaries and wetlands from source to the Yampa River	all		Fe(Trec)	L
COUCYA13d	Dry Creek including all tributaries and wetlands from the source to the Yampa River	Dry Creek below Routt County Road 53 (Sec. 22, T6N, R88W)	Pb, <i>E. Coli</i>		
COUCYA13e	Sage Creek, Grassy Creek and tribs	Sage Creek below Routt County Road 51D		Se	M
<u>COUCYA15</u>	<u>Mainstem of Elkhead Creek and tributaries Calf Creek and 80A Road on the Dry Fork of Elkhead Creek, to the confluence with the Yampa River.</u>	<u>Elkhead Creek</u>		<u>Aquatic Life (provisional)</u>	<u>H</u>
COUCYA18	Little Snake River including all tributaries and wetlands from forest boundary to Wyoming border	all	Cu		

WQCD PROPOSED

93.14 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 2011 RULEMAKING, EFFECTIVE DATE OF FEBRUARY 28, 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 and M&E Lists

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 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 promulgated 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 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.

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 11 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 3 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)
- Lower Gunnison Segment 4, Juniata Reservoir (COGULG04)

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 (COUNCP04a)
- Boulder Segment 4a, Gross Reservoir (COSPBO04a)
- Big Thompson Segment 14, Lonetree Reservoir (COSPBT14)

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.

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 determined to be in non-attainment, 32 will be provisionally listed, as there is currently no water quality data available which indicates 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 segments were 303(d) listed for non-attainment of their Aquatic Life Use based on Policy 10-1:

- San Miguel Segment 2, Howard Fork (COGUSM02)
- Upper Gunnison Segment 8, Slate River (COGUUG08)
- Bear Creek Segment 1e, Bear Creek (COSPBE01e)
- Big Thompson Segment 2, Big Thompson River (COSPBT02)
- Upper South Platte Segment 3, Trout Creek (COSPUS03)
- Upper South Platte Segment 14, South Platte River (COSPUS14)
- Eagle River Segment 6, Black Gore Creek (COUCEA06)
- Eagle River Segment 9a, Eagle River (COUCEA09a)

The following segments were provisionally 303(d) listed for non-attainment of their Aquatic Life Use based on Policy 10-1:

- Fountain Creek, Segment 4, Sand Creek (COARFO04)
- Middle Arkansas Segment 13, Wahatoya Creek (COARMA13)
- Upper Arkansas Segment 5, Lake Fork, S. Cottonwood Creek (COARUA05)

- Upper Arkansas Segment 18, Currant Creek (COARUA18)
- 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 (COGUUG24)
- Upper Gunnison Segment 26, Beaver Creek (COGUUG26)
- Upper Gunnison Segment 29a, Lake Fork Gunnison River (COGUUG29a)
- Uncompahgre Segment 11, Deer Creek (COGUUN11)
- Lower Yampa, Segment 22c, Talamantes Creek (COLCLY22c)
- White River Segment 13b, Duck Creek (COLCWH13b)
- White River, Segment 13c, Yellow Creek (COLCWH13c)
- 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 2, South Clear Creek (CORGRG02)
- Rio Grande Segment 12, Rio Grande River (CORGRG12)
- Animas and Florida Segment 13c, Salt Creek (COSJAF13c)
- La Plata Segment 6a, Chicken Creek (COSJLP06a)
- Bear Creek Segment 1a, Bear Creek (COSPBE01a)
- Bear Creek Segment 2, Bear Creek (COSPBE02)
- Boulder Creek Segment 7b, Coal Creek (COSPBO07b)
- Boulder Creek Segment 9, Boulder Creek (COSPBO09)
- Clear Creek Segment 1, Kearney Gulch, Grizzly Gulch (COSPCL01)
- Clear Creek Segment 14a, Clear Creek (COSPCL14a)
- St. Vrain Segment 3, St. Vrain Creek (COSPSV03)
- Upper South Platte Segment 2a, S. Fork South Platte River (COSPUS02a)
- Upper South Platte Segment 3, Horse Creek (COSPUS03)
- Upper South Platte Segment 6a, South Platte River (COSPUS06a)
- Upper South Platte Segment 10a, West Plum Creek (COSPUS10a)
- Upper South Platte Segment 11a, Cook Creek (COSPUS11a)
- Blue River Segment 17, Blue River (COUCBL17)
- Eagle River Segment 6, Beaver Creek, Lake Creek, Red Sandstone Creek, Gore Creek (COUCEA06)
- Eagle River Segment 8, Gore Creek (COUCEA08)
- North Platte Segment 4a, Snyder Creek (COUCNP04a)
- Roaring Fork Segment 3a, Roaring Fork, Cattle Creek, W. Sopris Creek (COUCRF03a)
- Roaring Fork Segment 4, Brush Creek (COUCRF04)
- Roaring Fork Segment 7, South Fork Frying Pan River (COUCRF07)
- Upper Colorado Segment 7a, Big Alkali Creek (COUCUC07a)
- Upper Colorado Segment 10a, Fraser River, Vasquez Creek (COUCUC10a)
- Yampa River Segment 15, Elkhead Creek (COUCYA15)

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 included on the 303(d) list based on exceedances of the standards:

- Lower Gunnison Segment 4a, Whitewater Creek: Manganese, Sulfate (COGULG04a)
- North Fork Segment 6b, Alum Gulch: Sulfate (COGUNF06b)
- Upper Gunnison Segment 11, Coal Creek: Manganese (COGUUG11)
- Upper Gunnison Segment 30, Henson Creek: Manganese, Dissolved Iron (COGUUG30)
- 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)
- Animas and Florida Segment 13b, Falls Creek, True Creek: Manganese (COSJAF13b)
- 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: Sulfate (COGULG04a)
- Lower Gunnison Segment 4b, Kannah Creek: Sulfate (COGULG04b)
- 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)
- Upper Gunnison Segment 26, Beaver Creek: Manganese (COGUUG26)
- Uncompahgre Segment 11, Cow Creek: Sulfate (COGUUN11)

7. Delisting of Segments with Recently Approved TMDLs

The Division submitted 24 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: 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 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:

- 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: NH₃ (COSPMS04)
- South Platte, Upper South Platte Segment 3, Sloan's Lake: D.O. (COSPUS03)

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 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, San Miguel Segment 6b, Marshall Creek: Cu, Pb (COGUSM06b)
- Gunnison, Upper Gunnison Segment 16, Ohio Creek: Zn(sculpin) (COGUUG16)
- 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 (CORCAL11)
- 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)
- 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 (COSPUS23)
- Upper Colorado Segment 5, Wolford Mountain Reservoir (COUCUC05)

The Commission moved the following lake to the 303(d) List for D.O.:

- Middle South Platte Segment 4, Barr Lake (COSPMS04)

The Commission retained the following lakes on the M&E List for D.O.:

- Middle South Platte Segment 7, Horse Creek Reservoir (COSPMS07)
- 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 were added to the 303(d) List due to exceedances of water quality standards not identified above:

- Gunnison River, Lower Gunnison Segment 4a, Peach Valley Creek: Fe(Trec) (COGULG04a)
- Gunnison River, Lower Gunnison Segment 13, Crawford Reservoir: D.O. (Temperature) (COGULG13)
- Gunnison River, North Fork Gunnison Segment 4, East Muddy Creek: Se, Fe(Trec) (COGUNF04)
- Gunnison River, North Fork Gunnison Segment 6b, Alum Gulch: SO₄, 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 4b, San Miguel River: pH, Se (COGUSM04b)
- 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 26, Blue Creek: Cu (COGUUG26)
- Gunnison River, Uncompahgre Segment 6a, Red Mountain Creek: Ag, Cu (COGUUN06a)
- 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 3a, Disappointment Creek: Se, *E. coli* (COGULD03a)
- Gunnison River, Lower Dolores Segment 5, Roc Creek: Cu, Fe(Trec) (COGULD05)
- 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, 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)
- 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: NH₃ (COSPUS17a)
- South Platte, St. Vrain River Segment 5, Left Hand Creek: Cu (COSPSV05)
- Upper Colorado, Eagle River Segment 9a, Eagle River: Temperature, Sediment (COUCEA09a)
- Upper Colorado, North Platte Segment 9, Lake John: D.O. (COUCNP09)
- Upper Colorado, Upper Colorado Segment 2, Willow Creek Reservoir: Mn (COUCUC02)
- Upper Colorado, Upper Colorado Segment 10c, Fraser River: pH (COUCUC10c)

The following segments were added to the M&E List due to exceedances of water quality standards not identified above:

- 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, Whitewater Creek: U (COGULG04a)
- Gunnison River, Lower Gunnison Segment 4a, Wells Gulch: pH (COGULG04a)
- Gunnison River, Lower Gunnison Segment 12, Muddy Creek: *E. coli* (COGULG12)
- Gunnison River, North Fork Gunnison Segment 4, East Muddy Creek: Pb (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 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 15, S. Beaver Creek: D.O., Fe(Trec) (COGUUG15)
- 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 26, Cimarron River: Pb (COGUUG26)
- Gunnison River, Uncompahgre Segment 2, Uncompahgre River: Pb (COGUUN02)
- Gunnison River, Uncompahgre Segment 3b, Ridgway Reservoir: Pb, Zn (COGUUN03b)
- 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)
- San Juan/Dolores Rivers, Animas and Florida Segment 3c, Animas River: Pb (COSJAF03c)
- San Juan/Dolores Rivers, Animas and Florida Segment 5a, Animas River: Zn (COSJAF05a)
- 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 4a, Mancos River: Cu, Pb (COSJLP04a)
- San Juan/Dolores Rivers, La Plata Segment 5a, Mancos River: Cd (COSJLP05a)
- 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 (COSJPI08a)
- San Juan/Dolores Rivers, Los Pinos Segment 1, Lost Creek: pH (COSJPN01)
- 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, *E. coli* (COSJSJ05)
- San Juan/Dolores Rivers, San Juan Segment 6a, San Juan River: Pb, Cu

- (COSJSJ06a)
 - San Juan/Dolores Rivers, San Juan Segment 9a, Rio Blanco: Ag, Pb
- (COSJSJ09a)
 - San Juan/Dolores Rivers, San Juan Segment 10, Rio Blanco: *E. coli*
- (COSJSJ10)
 - South Platte, Upper South Platte Segment 15, South Platte River: Fe(Trec)
- (COSPUS15)
 - South Platte, Upper South Platte Segment 23, Huston Lake: *E. coli* (COSPUS23)
 - 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 Lakes Reservoir: 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, St. Vrain Segment 3, St. Vrain 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, NH₃ (COSPUS17a)
- South Platte, Upper South Platte Segment 23, Overland, Parkfield, and Huston Lakes: pH (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 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 D.O. 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.

Site-specific decisions made by the Commission are discussed below.

EXHIBIT 2
WESTERN RESOURCE ADVOCATES

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION

5 CCR 1002-93

REGULATION #93

**COLORADO'S SECTION 303(D) LIST OF IMPAIRED WATERS AND MONITORING
AND EVALUATION LIST**

.....

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. Listings marked with an asterisk (*) are carryover from the 1998 303(d) List. Consequently they are all high priority.

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
.....					
COLC	Lower Colorado River Basin				
.....					
COLCWH11	Rio Blanco Reservoir	Rio Blanco Reservoir	pH		
COLCWH13b	<u>Mainstem of Yellow Creek including all wetlands from the source to the confluence with Barcus Creek. All tributaries to Yellow Creek from the source to the White River, including wetlands.</u>			<u>Selenium</u>	

WBID	Segment Description	Portion	Colorado's Monitoring & Evaluation Parameter(s)	Clean Water Act Section 303(d) Impairment	303(d) Priority
COLCWH13c	<u>Mainstem of Yellow Creek, including all wetlands from immediately below the confluence with Barcus Creek to the confluence with the White River.</u>			Fe(Trec)	
COLCWH14a	<u>Mainstem of Piceance Creek from the source to a point just below the confluence with Hunter Creek.</u>		Fe(Trec)		
COLCWH14b	<u>Mainstem of Piceance Creek from a point just below the confluence with Hunter Creek to a point just below the confluence with Ryan Gulch.</u>		Fe(Trec)		
COLCWH15	<u>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.</u>			Fe(Trec)	
COLCWH16	All tributaries to Piceance Creek, including all wetlands, lakes and reservoirs, from the source to the confluence with the White River	Ryan Gulch	<i>E. coli</i>		
COLCWH20	<u>Mainstems of Black Sulphur Creek including all tributaries and wetlands from the source to the confluence with Piceance Creek.</u>		Fe(Trec)		
COLCWH22	Tributaries to White River, Douglas Creek to Colorado/Utah border	West Evacuation Wash, Douglas Creek		sediment	L
COLCWH23	Mainstem of East Douglas Creek and West Douglas Creek including all tributaries from their sources to the confluence	East Douglas Creek	Fe(Trec)		
....					

93.4 - 93.9 Reserved

WESTERN RESOURCE ADVOCATES PROPOSED

93.14 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER, 2011 RULEMAKING, EFFECTIVE DATE OF FEBRUARY 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:

Western Resource Advocates proposed certain watershed segments in the White River for listing on the 303(d) list and M & E list. For the reasons stated below, the WQCC adopted WRA's proposals:

1. Selenium (chronic dissolved) at monitoring site CR 449 (segment 13b)

Selenium measurements at monitoring site CR 449 (Duck Creek) support the listing of this site as impaired for dissolved selenium. The 85th percentile of the 15 measurements, all of which are between 1 Oct 2005 and 20 Sep 2010 is 8 ug/L, compared to the chronic standard for dissolved selenium of 4.6 ug/L.

2. Iron (trec) at monitoring site CR 255 (segment 13c)

Iron measurements at monitoring site CR 255 (Yellow Creek near the mouth of the White River) support the listing of this site as impaired for total recoverable iron. The 85th percentile of 21 measurements between 1 Oct 2005 and 20 Sep 2010 is 2680 ug/L compared to the chronic standard for total recoverable iron of 1425 ug/L.

3. Iron (trec) at monitoring site CR 61 (segment 14a)

Iron measurements at monitoring site CR 255 (Piceance Creek upstream of Hunter Creek) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 2 measurements between 1 Oct 2005 and 20 Sep 2010 is 6095 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

With respect to the limited number of measurements, the 2012 303(d) Listing Methodology states:

"Data sets comprised of three or fewer samples that indicate impairment of the chronic standard will result in placement on the M&E List except as noted for lakes and reservoirs below."

Because there are only two measurements at this site, more data needs to be gathered before listing this site as impaired for total recoverable iron.

4. Iron (trec) at monitoring site CR 457 (segment 14b)

Iron measurements at monitoring site CR 457 (Piceance Creek upstream of Ryan Gulch) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 3 measurements between 1 Oct 2005 and 20 Sep 2010 is 6418 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

Because there are only three measurements at this site, more data needs to be gathered before listing this site as impaired for total recoverable iron.

5. Iron (trec) at monitoring sites CR 410 plus CR 222, plus CR 458 (segment 15)

Iron measurements at monitoring site CR 457 (Piceance Creek downstream of Ryan Gulch) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 3 measurements between 1 Oct 2005 and 20 Sep 2010 at site CR 410 is 6418 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

Iron measurements at monitoring site CR 222 (Piceance Creek near Mouth) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 3 measurements between 1 Oct 2005 and 20 Sep 2010 at site CR 410 is 20277 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

Iron measurements at monitoring site CR 458 (Piceance Creek downstream of Dry Fork) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 3 measurements between 1 Oct 2005 and 20 Sep 2010 at site CR 410 is 34170 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

Because there are only three measurements at these sites, the data do not support listing of these sites individually as impaired for total recoverable iron.

With respect to the location of these sites within the same river segment, the 2012 303(d) Listing Methodology states:

“Generally, water quality data from multiple data sources and sampling sites is aggregated by segment for assessment of the segment as a whole. If there is some reason to believe that the impairment may not be representative of the entire segment, the Division will investigate further to determine whether the impairment is widespread or limited to individual portions of the segment such as specific tributaries or reaches. Typically, if all of the data from multiple tributaries within a segment indicate nonattainment, the Division will recommend that the entire segment be listed. Alternately, if data from one or more tributaries indicates attainment, the Division will propose listing of only those tributaries for which data indicates non-attainment. Based upon this assessment, either an entire segment or only a portion thereof may be proposed for listing.”

Monitoring sites CR 410, CR 222, and CR 458 are all within the same river segment (COLCWH15). Therefore, the nine measurements from sites CR 410, CR 222, and CR 458 should be aggregated for an assessment of the segment as a whole. When aggregated, the 85th percentile of total recoverable iron in segment COLCWH15 is 32,440 ug/L.

This data supports the listing of segment COLCWH15 site as impaired for total recoverable iron. With respect to the limited number of measurements, the 2012 303(d) Listing Methodology states:

“Data sets comprised of four to ten samples where there is overwhelming evidence of non-attainment or data is supported by biological or physical evidence indicating nonattainment, or data sets of more than ten samples indicating any degree of nonattainment, will result in inclusion on the 303(d) List unless it is determined that the data is not representative (see paragraph below).

“Overwhelming evidence consists of sufficient and credible data that clearly demonstrate that a water body's designated beneficial uses are impaired. Overwhelming evidence is demonstrated when representative data (data that accounts for temporal and spatial variation) indicates an exceedance of numeric water quality standards by more than 50 percent in magnitude.

There are a total of nine measurements of total recoverable iron for segment COLCWH15 that are all representative data. This representative data indicates an exceedance of the numeric water quality

standard for total recoverable iron by 3244% (an 85th percentile value of 32,440 ug/L compared to the standard of 1000 ug/L.

6. Iron (trec) at monitoring site CR 175 (segment 20)

Iron measurements at monitoring site CR 175 (Black Sulfur Creek near Mouth) support the listing of this site on the 303(d) Monitoring & Evaluation (M&E) list for total recoverable iron. The 85th percentile of 2 measurements between 1 Oct 2005 and 20 Sep 2010 is 10004 ug/L compared to the chronic standard for total recoverable iron of 1000 ug/L.

Because there are only two measurements at this site, more data needs to be gathered before listing this site as impaired for total recoverable iron.