

EXHIBIT 15
Water Quality Control Division

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

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

5 CCR 1002-93

93.1 Authority

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

93.2 Purpose

This regulation establishes Colorado's Lists of Impaired Waters. These waters include Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs"), ~~impaired waters that do not require a TMDL~~ Impaired Water Bodies with Approved TMDLs and 4b Plans, and Colorado's Monitoring and Evaluation List.

- (1) The list of Water-Quality-Limited Segments Requiring TMDLs fulfills requirements of section 303(d) of the federal Clean Water Act which requires that states submit to the U.S. Environmental Protection Agency a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards. These segments are included in Section 93.3 with parameters included in the Clean Water Section 303(d) Impairment column.
- (2) Colorado's Monitoring and Evaluation List identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more factors, such as the representative nature of the data. ~~Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List.~~ This Monitoring and Evaluation list is a state-only document that is not subject to EPA approval. These segments are included in Section 93.3 with parameters included in the Colorado's Monitoring and Evaluation column.
- (3) The list of Water-Quality-Limited Segments Not Requiring a TMDL identifies segments where data is available that indicates that at least one classified use is not being supported, but a TMDL is not needed. These segments and parameters are included in Section 93.4.

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93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

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

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

- Waterbody ID and Assessment Unit ID: For each impairment listed in the table, both a Waterbody ID (WBID) and an Assessment Unit ID (AUID) description are provided. The WBID ID describes the entire segment and is derived from basin regulations 32-38. The AUID, which includes an underscore and letter, describes the spatial extent of the impairment listings within the waterbody ID. The AUID is referred to as the "Listed Portion." In situations when the listed portion description matches the segment description, the entire segment is listed.
- Impaired Use: The Impaired Use refers to a designated use that is applied to the water body segment. Standards adopted to protect the referred impaired use are not in attainment.
- Category/List: These categories refer to the Environmental Protection Agency reporting categories associated with waterbody attainment status:
 - 1. Meets all designated uses,
 - 2. Meets some designated uses,
 - 3b. Insufficient data to make a determination (Monitoring and Evaluation List),
 - 4a. Impaired with an approved TMDL,
 - 4b. Impaired with an approved 4b plan,
 - 4c. Impaired due to pollution and
 - 5. Impaired without a TMDL completed.
- Priority: This is the Total Maximum Daily Load development priority. Priority options within Regulation #93 include:
 - H= High Priority
 - M= Medium Priority
 - L= Low Priority

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93.4 Impaired Water Bodies ~~Not Requiring TMDLs with Approved TMDLs and 4b Plans~~

~~Segments may be determined to be impaired if available data and/or information indicate that at least one classified use is not being supported, but a TMDL is not needed. These waters are broken out into three additional subcategories. Impaired water bodies identified below in these lists are not yet attaining water quality standards, as water quality improvement continues through this expected to occur through implementation of either a TMDL or 4b plan, do not require a TMDL for one of the following reasons:~~

- ~~• Segments where a TMDL has been completed and approved but uses are not yet attained;~~
- ~~• Segments where other required control mechanisms are expected to address waterbody/pollutant combinations and will attain water quality standards in a reasonable period of time. (Category 4b Segment/Parameters)~~
- ~~• Segments where the impairment is not caused by a pollutant. (Category 4c Segment/Parameters)~~

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93.4 Impaired Water Bodies Not Requiring TMDLs with Approved TMDLs or 4b Plans					
WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COARMA04a	Mainstem of Wildhorse Creek from source to confluence with the Arkansas river	<i>E. coli</i>			10/24/2018
COARMA18a	Mainstem of Boggs Creek from the source to Pueblo Reservoir.	Se, U		-	3/18/2016
COARUA01a	(McNasser Gulch, South Fork of Lake Creek, and Sayres Gulch) within Mount Massive and Collegiate Peaks Wilderness areas.	Al, Cd, Cu, Zn, pH		-	6/14/2009
COARUA01a	(Graham Gulch, Mountain Boy Gulch, and North Fork of Lake Creek) within Mount Massive and Collegiate Peaks Wilderness areas.	Cu		-	11/30/2010
COARUA01b	E. Fork Arkansas River above Birdseye Gulch	Pb, Zn		-	2/17/2004
COARUA02a	Arkansas River, Birdseye Gulch to California Gulch	Zn		-	6/14/2009
COARUA02b	Arkansas River above Lake Fork	Cd, Zn		-	6/14/2009
COARUA02c	Arkansas River, Lake Fork to Lake Creek	Cd, Zn		-	6/14/2009

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93.4 Impaired Water Bodies Not Requiring TMDLs with Approved TMDLs or 4b Plans					
WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COARUA03	Arkansas River, Lake Creek to the Chaffee/Fremont County line.	Cd, Zn		-	6/14/2009
COARUA04a	Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.	Cd, Zn		-	6/14/2009
COARUA04b	Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.	Cd, Zn		-	6/14/2009
COARUA05	Halfmoon Creek	Cd, Pb		-	6/14/2009
COARUA07	Evans Gulch	Zn		-	6/14/2009
COARUA08b	Iowa Gulch	Cd, Pb, Zn		-	10/26/2012
COARUA10	Lake Creek	Cu		-	11/30/2010
COARUA11	Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.	Al, Cd, Cu, Zn, pH		-	6/14/2009
COARUA12a	Chalk Creek	Pb, Zn		-	6/14/2009
COGULG01	Gunnison River below N. Fork	Se		-	2/14/2011
COGULG02	Gunnison River	Se		-	2/14/2011
COGULG04a	Gunnison River tributaries	Se		-	2/14/2011
COGULG04b	Mainstem of Kannah Creek. All tributaries to Reeder, Hollenbeck and Juniata Reservoirs	Se		-	2/14/2011
COGULG04c	Red Rock Creek	Se		-	2/14/2011
COGULG09	Fruitgrowers Reservoir	DO		-	2/14/2013
COGUNF03	Lower N. Fork Gunnison River	Se		-	2/14/2011
COGUNF05a	Leroux Creek, Jay Creek	Se		-	2/14/2011
COGUNF06b	Short Draw, Cottonwood Creek	Se		-	2/14/2011
COGUSM03a	San Miguel River below Idarado	Zn		-	9/17/2008

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93.4 Impaired Water Bodies Not Requiring TMDLs with Approved TMDLs or 4b Plans					
WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COGUSM03a	San Miguel River below Idarado	Cd		---	8/3/2010
COGUSM03b	San Miguel River, Marshall Creek to South Fork San Miguel River	Cd, Zn		---	9/17/2008
COGUSM03b	San Miguel River below Idarado	sediment		---	8/3/2010
COGUSM06a	Ingram Creek	Zn		---	9/17/2008
COGUSM06a	Ingram Creek	Cd		---	8/3/2010
COGUSM06b	Marshall Creek	Zn		---	9/17/2008
COGUSM06b	Marshall Creek	Cd		---	8/3/2010
COGUUG30	Henson Creek	Cd, Zn		---	7/29/2010
COGUUG31	Palmetto Gulch	Cd, Zn		---	6/15/2010
COGUUN02	Uncompahgre River, source to Red Mountain Creek	Cd, Cu, Zn		---	1/5/2010
COGUUN03a, b, c, d, e	Uncompahgre River, Red Mountain Creek to Montrose	Cd, Cu, Fe (trec)		---	1/5/2010
COGUUN04b, c	Uncompahgre River, Delta to Colorado River	Se		---	2/14/2011
COGUUN06a	Red Mountain Creek, source to East Fork Red Mountain Creek	Zn(sc)		---	1/5/2010
COGUUN12	Uncompahgre River tributaries	Se		---	2/14/2011
CORGAL03a	Alamosa River, Alum Creek to Wightman Fork	Al, Cu, Zn pH		---	9/21/2007
CORGAL03b	Alamosa River, Wightman Fork to Fern Creek	Al, Cu, Zn, pH		---	9/21/2007
CORGAL03c	Alamosa River, Fern Creek to Ranger Creek	Al, Cu, Zn, pH		---	9/21/2007
CORGAL03d	Alamosa River, Ranger Creek to Terrace Reservoir	Cu, Zn, pH		---	9/21/2007
CORGAL05	Wightman Fork above Summitville	pH		---	9/21/2007
CORGAL08	Terrace Reservoir	Cu		---	9/21/2007
CORGAL08	Terrace Reservoir	Fe(Trec)		---	2/14/2013
CORGAL09	Alamosa River, Terrace Reservoir to Hwy 15	Cu		---	9/21/2007

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
CORGCB08	Mainstem of Brewery Creek from source to Kerber Creek, and the mainstem of Elkhorn Gulch. Mainstem of Kerber Creek, including all tributaries and wetlands from the source to a point immediately above the Cocomongo Mill site. Mainstem of Squirrel Creek from the source to immediately above Bear Creek.	Ag, Cd, Pb		---	9/17/2008
CORGCB09a	Kerber Creek above Brewery Creek	Ag, Cd, Pb		---	9/17/2008
CORGCB09b	Kerber Creek, Brewery Creek to San Luis Creek	Cd, Cu, Zn		---	9/17/2008
CORGRG04a, b	Rio Grande River below Willow Creek	Cd, Zn		---	9/23/2008
CORGRG37	Sanchez Reservoir	Hg		---	9/29/2008
COSJAF02	Animas River & tributaries, Denver Lake to Maggie Gulch	Al, Cd, Cu, Fe, Pb		---	12/6/2002
COSJAF03b	Animas River, Cement Creek to Mineral Creek	Al, Cd, Cu, Fe, Pb		---	12/6/2002
COSJAF04a	Animas River, Mineral Creek to Elk Creek	pH, Cu, Fe, Zn		---	12/6/2002
COSJAF04b	Animas River, Elk Creek to Junction Creek	Zn		---	12/6/2002
COSJAF05a	Mainstem of the Animas River, including wetlands, from Bakers Bridge to Dry Gulch.	Zn		---	12/6/2002
COSJAF06	Middle Fork of Mineral Creek, Mill Creek, Porohyry Gulch, and Big Horn Gulch	Al, Cd, Cu, Pb, Fe		---	12/6/2002
COSJAF07	Cement Creek, source to Animas River	Al, Cd, Cu, Pb, Fe		---	12/6/2002
COSJAF08	Mineral Creek, source to South Mineral Creek	Al, Cd, Cu, Pb, Fe		---	12/6/2002
COSJAF09	Mineral Creek, South Mineral Creek to Animas River	pH, Cu, Fe, Zn		---	12/6/2002
COSJDO04b	McPhee Reservoir	Hg (Phase 1)		---	2/14/2004

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COSJDO09	Silver Creek from Rico's diversion to Dolores River	Zn, Cd		---	8/22/2008
COSJLP04a	Box Canyon Creek	sediment		---	8/30/2000
COSJLP04a	East Fork Mancos River	Cu, Mn		---	7/27/2012
COSJLP11	Narraquinnep Reservoir	Hg (Phase 1)		---	2/14/2004
COSPBD01	Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River	E. coli		---	9/28/2016
COSPBO02b	Boulder Creek	E. coli		---	9/27/2011
COSPBO04a	Gamble Gulch	Cu, Zn, pH		---	6/30/2009
COSPBO04a	Gamble Gulch	Cd, Zn		---	8/12/2010
COSPBO09	Boulder Creek, South Boulder Creek to Coal Creek	NH ₃		---	7/14/2003
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	NH ₃		---	7/14/2003
COSPCL02a, b, c	Clear Creek, Silver Plume to Argo Tunnel	Cu, Pb, Zn		---	9/18/2008
COSPCL03a	Lower Cabin Creek Reservoir to Clear Creek		Aquatic Life	---	1/11/2016
COSPCL03a	South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake	Zn		---	9/18/2008
COSPCL03b	Leavenworth Creek	Pb, Zn		---	9/18/2008
COSPCL09a	Fall River	Cu		---	9/18/2008
COSPCL09b	Trail Creek	Cd, Cu, Pb, Zn		---	9/18/2008
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	Cd, Pb, Zn		---	9/18/2008
COSPCL13b	North Fork Clear Creek	Cd, Fe, Mn, Zn		---	9/18/2008
COSPCP07	North Fork Cache la Poudre River, Hall Reservoir to Cache la Poudre River	sediment		---	7/25/2002
COSPMS01a	South Platte River from Big Dry Creek to St. Vrain Creek		Ammonia & Nitrate	---	8/20/2009
COSPMS04	Barr Lake, Milton Reservoir	DO, pH		---	6/27/2013

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COSPSV03	St. Vrain Creek, Hygiene Road to South Platte River	NH ₃		-	7/14/2003
COSPSV04a	Left Hand Creek Hyw 72 to James Ck	Cd, Cu, Zn, pH		-	9/11/2015
COSPSV04b	Little James Creek	Cd, Fe, Mn, Zn, pH		-	7/17/2002
COSPSV04b	James Creek	Cd, Cu, Pb, Zn		-	9/11/2015
COSPSV04b	Little James Creek	Cd, Cu, Pb, Zn, pH		-	9/11/2015
COSPSV04c	Left Hand Creek below James Creek	Cu		-	9/11/2015
COSPUS01a	South Platte River, source to North Fork South Platte River	sediment		-	7/22/2002
COSPUS02b	Mosquito Creek	Cd, Pb, Zn		-	8/11/2000
COSPUS02c	South Mosquito Creek	Cd, Fe, Mn, Zn		-	8/11/2000
COSPUS04	Hall Valley to Geneva Creek	Cu		-	9/17/2008
COSPUS05a	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		-	9/20/2010
COSPUS05b	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		-	9/20/2010
COSPUS05b	Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	Cu, <u>Zn</u>		-	8/22/2008
COSPUS14	South Platte River, Bowles Avenue to Burlington Ditch	NO ₃		-	6/4/2004
COSPUS14	S. Platte River, Bowles Ave. to Burlington Ditch	<i>E. coli</i>		-	10/30/2007
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek		Ammonia & Nitrate	-	8/20/2009
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	<i>E. coli</i>		-	2/16/2016
COSPUS15	South Platte River, Burlington Ditch to Big Dry Creek	Cd		-	9/8/2006
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	DO		-	7/30/2000
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	Cd		-	7/19/2011

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COUCBL06a	Snake River, source to Dillon Reservoir	Cd, Cu, Pb, Zn, pH		---	9/23/2008
COUCBL07	Peru Creek	Cd, Cu, Pb, Zn, pH, Mn		---	9/23/2008
COUCBL12	Illinois Gulch	Zn		---	2/1/2010
COUCBL12	Illinois Gulch	Cd		---	6/13/2011
COUCBL18	Straight Creek	sediment		---	8/11/2000
COUCEA05a, b, c	Eagle River, Belden to Gore Creek	Cu, Zn		---	8/31/2009
COUCEA07b	Cross Creek, source to Eagle River	Cu, Zn		---	8/31/2009
COUCUC06c	Un-named tributary to Willow Creek	NH ₃		---	7/30/2000

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